# PUBLICATION TRENDS OF RESEARCHERS IN TURKEY IN WEB OF SCIENCE EDUCATION AND EDUCATIONAL RESEARCH SUBJECT FIELD: A DESCRIPTIVE TREND ANALYSIS

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# Approval of the thesis:

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#### ABSTRACT

# PUBLICATION TRENDS OF RESEARCHERS IN TURKEY IN WEB OF SCIENCE EDUCATION AND EDUCATIONAL RESEARCH SUBJECT FIELD: A DESCRIPTIVE TREND ANALYSIS

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The main aim of this research was to employ bibliometric analysis methods to understand the general trends of peer-reviewed educational articles indexed under the subject areas of "education and educational research" Web of Science bibliometric databases that is the first and well-known bibliometric databases , between 1968 and 2015. This study analyzed a total of 10,729 documents 6,644 of which were articles based on the journal of publication, author institutional affiliation, and co-author collaboration. The current research applied a modified version of the method used by Zancanaro, Todesco, and Ramos (2015). This method has two main steps: (1) Collecting, filtering, and data standardization (2) Data analysis and synthesis

The results showed that when looking at the annual distribution of the published articles, incentive programs have been shown to be helpful as a means to improving the volume of articles. In summary, 50% of the articles originated from 15 universities and the majority of published journals have an impact value below 1,00. Of the 10% articles were based on authors having collaborated with a researcher whose affiliate

address is located outside of Turkey. The United States of America, the United Kingdom, and Germany were the countries most collaborated with by Turkish academics in their educational research.

Keywords: Education, Bibliometry, Bibliometric Research, Publication Trend, WOS, Research, Co-authorship, Collaboration Trends

# WEB OF SCIENCE VERİ TABANI EĞİTİM & EĞİTİM BİLİMLERİ ALANINDA TÜRKİYE ADRESLİ YAYINLARIN TREND ANALİZİ:TANIMLAYICI TREND ANALİZ CALISMASI

Tür, Nurcan Yüksek Lisans, Bilgisayar ve Öğretim Teknolojileri Öğretmenliği Bölümü Tez Yöneticisi: Prof. Dr. Soner Yıldırım

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Bu çalışma kapsamında; ilk bibliyometrik veri tabanı olma özelliğine sahip ve yaygın olarak kullanılan Web of Science veritabanında 1968-2015 yılları arasında eğitim ve eğitim bilimleri alanında indekslenmiş olan yayınlar; türleri, yayınlandıkları dergiler, yazarların kurumları ve yazarların diğer yazarlar ile yaptıkları iş birlikleri yönünden 6.644'ü makale türünde olmak üzere 10.729 yayın bibliyometrik analiz metodu kullanılarak incelenmiştir. Bu araştırmada Zancanaro, Todesco ve Ramos (2015) tarafından kullanılan metodun çalışmaya uygun şekilde düzenlenmiş hali kullanılmıştır. Araştırma metodu temel olarak iki aşamadan oluşmaktadır: (1) Veri toplama, filtreleme ve standardizasyon (2) Veri analizi ve sentezi

Yapılan çalışma sonucunda uluslararası yayınların artmasına yönelik sağlanan teşviklerin ve yürütülen politikaların etkileri yıllara göre yayın dağılımları dikkate alındığında gözlenebilmektedir. Eğitim bilimleri alanında gerçekleştirilen çalışmaların %50'sinin 15 üniversiteden kaynaklandığı ve yayın yapılan dergilerin çoğunluğunun etki değerlerinin 1,00'in altında olduğu görülmüştür. Ortak yazarlı yayınlar işbirliği yönünden incelendiğinde ise yayınların yaklaşık %10'unda yabancı yazarlar ile çalışıldığı ve en çok Amerika Birleşik Devletleri, İngiltere ve Almanya ile birlikte araştırma çalışmaları yürütüldüğü görülmüştür.

Anahtar Kelimeler: Eğitim, Bibliyometrik Analiz, Trend Analizi, WOS, Bilimsel Yayın, İşbirliği To my grandmother, she will always be in my heart.

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# LIST OF ABBREVIATIONS

5-YIF	5 Year Impact Factor
AIS	Article Influence Score
ВТҮК	The Supreme Council for Science and Technology
CC	Collaboration Coefficency
CEIT	Computer Education and Instructional Technology
CoHE	The Council of Higher Education
ICT	Information and Communications Technology
JCR	Journal Citation Report of Web of Science
JIF	Journal Impact Factor
TÜBİTAK	The Scientific and Technological Research Council of Turkey
ULAKBİM	Turkish Academic Network and Information Center
WOS	Web of Science

#### **CHAPTER 1**

#### **INTRODUCTION**

#### 1.1 Background of the Study

Studies about scientific production date back to the 1920s. However, the 1960s saw the emergence of citation databases like the Science Citation Index (SCI), and a simultaneous academic explosion in this newly emerging field as more researchers moved to address its issues. Over the years, different names have been applied to scientific production studies such as statistical bibliometrics, bibliometrics, science of science, and scientometrics etc. With the rapid improvements seen in technology, new terms have also been added such as webometrics, technometrics, informetrics, and cybermetrics. See Figure 1.1 for an illustration of the various terms by Jacobs (2010).

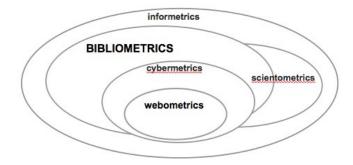


Figure 1.1: Interaction of different metrics (p. 10)

Today, the boundaries of these different terms have become increasingly specified. On the other hand, terms such as scientometrics, bibliometrics, and statistical bibliometrics can be seen used interchangeably in the literature, and any slight boundaries have vanished over the years (Glänzel, 2003). As a whole, this multidisciplinary field of study has taken on the name "information science" under the area of library sciences.

Bibliometrics used wide range of different scopes Okubo (1997, p. 9) grouped them into four categories: "

- the **history of science**, where it elucidates the development of scientific disciplines by tracing the historical movements that are revealed in the results obtained by researchers;
- the **social sciences**, where, by examining scientific literature, it underpins analysis of the scientific community and its structure in a given society, as well as the motivations and networks of researchers;
- **documentation**, where it can count the number of journals per library and identify the journals that constitute the core, secondary sources and periphery of a discipline (by analyzing the quantity of journals needed to cover 50 per cent, 80 per cent or 90 per cent of the information in a given area of science);
- science policy, where it provides indicators to measure productivity and scientific quality, thereby supplying a basis for evaluating and orienting R&D.

" In today's world, information is a powerful tool for both individuals and for countries. The World Bank suggests the following for national policymakers (The World Bank, 2013).

In order to take part in knowledge economy, countries should be aware of these four pillars:

- An educated and skilled population is needed to create, share and use knowledge.
- A dynamic information infrastructure ranging from radio to the Internet is required to facilitate the effective communication, dissemination and processing of information.
- A regulatory and economic environment that enables the free flow of knowledge, supports investment in Information and Communications Technology (ICT), and encourages entrepreneurship is central to the knowledge economy.
- A network of research centers, universities, think tanks, private enterprises and community groups is necessary to tap into the growing stock of global knowledge, assimilate and adapt it to local needs, and create new knowledge.(para.1)

In order to remain in the world's top countries, policymakers should consider the current state of these four pillars and take the necessary precautions and plan for regulatory activities. The third and fourth pillars are directly related with research

productivity, which was defined as "the number of publications per researcher, discipline, department, institution, region or nation" (e.g., Abramo & D'Angelo, 2014, p. 1). As knowledge creation and dissemination is one of the important aspects of knowledge economy, research productivity is also one of the key indicators used in assessing a country's level of development.

National policymakers systematically analyze the scientific and technological growth of the country in order to achieve sustainable growth. In Turkey, the foundation responsible which leads the activity of the Supreme Council for Science and Technology (known in Turkish as BTYK) is TÜBİTAK (The Scientific and Technological Research Council of Turkey). The Turkish Academic Network and Information Center (ULAKBİM) is the responsible institution operating under TÜBİTAK that conducts and publishes bibliometric studies for the measurement of Turkey's performance in the production of international scientific publications (ULAKBIM, 2013).Bibliometric studies are conducted for the purposes of;

- ranking countries for their scientific performance,
- comparing countries,
- understanding the levels of co-operation between countries and/or institutions,
- evaluating the productivity of a person or institution,
- understanding the current state on a subject (Çiftçi et al., 2016; Danışman et al., 2016).

Turkey's vision for 2011-2016 was stated as being, "to produce knowledge and develop technologies which serve the country and mankind by the means of innovative products, processes and services" (TÜBİTAK Bilim Teknoloji ve Yenilik Politikaları Daire Başkanlığı, 2010, p.3). The most productive countries during the period 2010 to 2015 were the United States of America with 3,660,831 publications, China with 1,678,221 publications, and the United Kingdom with 904,456 publications. Turkey was ranked 18<sup>th</sup> for the same period with 204,216 publication (Yetkin, Büyükçınar, & Akıllı, 2015b). When considering just the social sciences, Turkey produced 25,950 publications, and 28.64% of these were classified as Education and Education Re-

search, followed by Economy (9.05%), and Social Sciences–Common Disciplines (7.52%) (Yetkin, Büyükçınar, & Akıllı, 2015a).

Although ULAKBIM prepare these reports periodically, they merely provide generalized data about Turkey's scientific productivity. Therefore, the primary aim of the current research was to conduct a more detailed analysis of peer-reviewed educational research articles indexed in a major scientific research publication index service for the "Education and Educational Research" subject areas, with at least one author's affiliate address located in Turkey.

### 1.2 Purpose of the Study

The purpose of the current study is to describe the current trends of peer-reviewed educational research articles indexed in a major scientific research publication index service under the "education and educational research" subject area, and with at least one author's affiliate address located in Turkey. The study aims to analyze research articles according to their bibliographic information such as journal name, author affiliation (academic institution), title, publication type, and publication year etc. The analysis intends to reveal generalized research profiles, which journals are the most preferred, and the prevalent sample demographics. The results aim to shed light on the educational research area as a scientific endeavor, and on the general trends to extrapolate research policy. Additionally, the study is expected to be useful to novice researchers in setting their research agenda.

### **1.3 Research Questions**

**Main question:** What are the publication and collaboration trends in the field of educational sciences, especially in the Computer Education and Instructional Technology (CEIT) departments?

**Subquestion 1:** What are the general publication trends and bibliometric profiles of publications in the fields of educational sciences?

- a) What is the distribution by year of documents indexed in the Web of Science Core Collection under the "education and educational research" subject, with at least one author's affiliate address located in Turkey?
- b) What is the distribution of documents according to each index?
- c) What is the distribution of research articles according to journals grouped by the 5-Year Impact Factor (5-YIF)?
- d) What is the distribution of research articles according to the authors' institution type?
- e) Which are the top 15 universities according to the numbers of published research articles?

**Subquestion 2:** What are the bibliometric profile of journals originating from the top 15 universities and CEIT departments?

- a) Which are the journals most preferred by the top 15 universities?
- b) Which are the journals most preferred by CEIT departments?

**Subquestion 3:** What are the collaboration trends among researchers from the top 15 universities?

- a) What is the research article co-authorship distribution by country?
- b) What is the research article co-authorship distribution for the top 15 universities?
- c) What is the research article co-authorship distribution by CEIT departments?

### **1.4** Significance of the Study

National bibliometric profiles provide valuable information such as which countries scientifically collaborate, and the effectiveness of their governmental policies etc. Scientifically analyzing national bibliometric profiles is one way in which researchers can reveal the current state of a country, its institutions, or the collaborative patterns (as explained in Section 1.1). In recent years, the popularity of research trend analyses has increased. These studies have been conducted against whole citation indexes (e.g., Al, 2008; Gülgöz, Yedekçioğlu, & Yurtsever, 2002)), based on only a specific topic (e.g., Zancanaro et al., 2015) or based on specific journals (e.g. Günay & Yakın, 2014).

In the literature, there have been bibliographical research studies based on a single subject category as the study scope (e.g. Montero-Díaz, Cobo, Gutiérrez-Salcedo, Segado-Boj, & Herrera-Viedma, 2018). On the other hand, there has been no such research studies based on academic publications originating from Turkey and indexed in the Web of Science Core Collection under the "Education and Education Research" subject category. The current research aims to descriptively analyze publications indexed under the Web of Science Core Collection "Education and Educational Research" subject category that originated from Turkey between 1968 and 2015. This scope provides a sufficiently broad coverage and the opportunity to investigate the general trends in the field of education for scientific productivity and cooperation patterns among institutions.

#### **1.5** Limitations and Assumptions

The research sample and subsequent analysis was limited to;

- publications between 1968 and 2015,
- documents indexed in the Web of Science core databases under the "education and educational research" subject, and with at least one author's affiliate address located in Turkey,
- only the most productive 15 universities were considered for research subquestions 2 - a, 3 - a and 3 - b.

The journals listed under the examined subject areas of the databases were assumed to be related with education. When calculating the most productive institutions, only the number of publication was taken into account.

# **1.6 Definitions and Terms**

**Bibliometrics:** "Quantitative analyses of publication data using document, author, or source (e.g., journal) level data elements to uncover characteristics, patterns, and relationships to demonstrate individual investigator or research team productivity, quality, or impact" (Carpenter, Cone, & Sarli, 2014, p. 1161)

#### **CHAPTER 2**

### LITERATURE REVIEW

As a result of knowledge economy, policymakers should support knowledge production in their respective countries. As mentioned in Chapter1, the creation, dissemination, and usage of knowledge is considered one of the important pillars in knowledge economy. In knowledge production activities, the number of patents, research papers, and research citations reported in bibliometric databases are seen as important indicators. In order to increase these activities, many countries prepare incentive programs to encourage researchers to publish research.

This chapter addresses four main parts; scientific production in Turkey, bibliometrics and the history of bibliometric indexes, bibliometric studies, and criticism about the use of bibliometry.

#### 2.1 Scientific Production in Turkey

Scientific progress is always based on previous studies like a snowball. Sometimes researchers add new information to past studies, and sometimes they refute previously published theories, propose a new one, or attempt to justified existing theories. In this production of scientific information, scholarly communication is the most important phase in order to disseminate the newly produced knowledge to other researchers.

The same worldwide, universities in Turkey are the institutions primarily responsible for the production of scientific knowledge, with other sources being research and development centers or entrepreneurs undertaking research and development (R&D) activities. For each of these actors there are different incentive programs in place. For entrepreneurs, the Ministry of Science and Technology and Turkish Scientific Council (TÜBİTAK) announces calls for proposals. For academicians in Turkey, in addition to TÜBİTAK, The Council of Higher Education (CoHE) and also some universities provide incentives and promotions based on research activities.

One of the most important motivators for publishing research for academicians, apart from the broadcasting of their work and professional notoriety, is its necessity in order to accomplish academic promotion or to support a job application (Demir, Demir, & Özdemir, 2017). The first regulation related to an examination for associate professorship was published in the Turkish Official Gazette on July 11, 1983. One of the conditions set in this regulation was the undertaking of original academic research and publishing research (Başbakanlık Neşriat Daire Başkanlığı, 1983). In order pass the examination for associate professorship, candidates were required to give an exemplary lecture to the examination committee members, and this stayed in place until 2000. On September 1, 2000, the regulations were updated and the exemplary lecture requirement was removed, and the focus on research activity and publications enhanced (Başbakanlık Mevzuatı Geliştirme Yayın Genel Müdürlüğü, 2000). In 2001, it was then made compulsory to have achieved internationally indexed publications (Yavan, 2005). This regulatory change provided an important motivating factor for academicians seeking professional career advancement to publish their work in journals indexed in certain international databases.

In addition to being a criteria for promotion, there are numerous incentive programs in Turkey that encourage academics to publish their works internationally. The Incentive Program for International Scientific Publications (known in Turkish as UBYT) was the first incentive program to promote international publication, and was started in 1993. Incentives are given to authors affiliated to Turkish establishments who publish in journals indexed in the Web of Science Core collection under the following databases:

- Science Citation Index Expanded
- Social Science Citation Index
- Art and Humanities Citation Index

" ...more than 285,000 authors of some 157,000 publications (93% of which were papers / articles) were supported between 1997 and 2015. The total amount of support was about 124 million Turkish Liras (in 2015 current prices; equal to c. 35 million USD). (Tonta, 2017b, p. 24) "

In 2019, the highest incentive amount available is 15,000 TL, with the lowest being 500 TL (ULAKBIM, 2019). According to Tonta (2017a), the UBYT program supports a number of international publications; however, there is no significant evidence on the quality improvement of the publications. According to publication numbers, Turkey was ranked 18th in the world between 2010 and 2015, but mostly in journals with an impact factor below 1.00 (Yetkin et al., 2015b). In addition to the UBYT incentive program, in 2016, academic incentives started to be paid direct to academicians by the Turkish Government. Paid monthly, the incentives are based on points scored from academic studies during the previous year (Okumuş & Yurdakul, 2017).

These are the two main forms of incentives made available to Turkish researchers. However, there are, of course, both positive and negative aspects to these incentive schemes. The main criticism levelled at such schemes is their not promoting the academic quality of publications, just focusing on the numbers (Al & Soydal, 2014; Balcı, 2011; Okumuş & Yurdakul, 2017)

#### 2.2 Bibliometrics and History of Science Citation Index (SCI)

In order to understand the issues related to scientific production, researchers rely on publication data as the data source, and have applied a number of terms to this emerging research method as, science of science, scientometrics, informetrics, and bibliometrics. In the current study, the preferred term used is bibliometrics.

The history of publication counts stretches back to 1817. However, the first formal definition of bibliometrics was offered by Pritchard in 1969 as, "the application of mathematics and statistical methods to books and other media of communication" (p. 2). Over the years, the definition has broadened, and was more recently defined by Carpenter et al. (2014) as "Quantitative analyses of publication data using document, author, or source (e.g., journal) level data elements to uncover characteristics, patterns, and relationships to demonstrate individual investigator or research team

productivity, quality, or impact" (p. 1161).

Bibliometrics can be applied for different aims such as:

- understanding research trends,
- understanding the network of a scientific community,
- analyzing the productivity of a research team, country, or institution,
- determining science policy. (Danışman et al., 2016)

Bibliometric studies gained more attention after the development of the Science Citation Index (SCI), and advancements in technology have made databases more accessible through CD-ROM and web-based applications (Jacobs, 2010). Technology has enabled the databases to be usable by researchers for the conducting of more detailed studies. However, the history of bibliometrics actually predates the development of citation indexing. The idea and concept of these databases originates from the 12th century, with Hebrew Citation Indexes which were early examples of an embedded citation index which was printed in the margins of the Talmud (Weinberg, 1997). Citation indexing originated with "tables of cases cited," which date back to at least 1743. Publication counts have been found in legal writings from as early as 1817 (Shapiro, 1992, p. 337), with the legal system placing significant importance to the recording of cases and their precedent cases.

According to Shapiro (1992), Raymond's Reports is the oldest report, which was written by an English reporter in 1743. Raymond's Reports contained "A Table of the Names of the Cases," with the cited cases written in italics. Over the centuries, there have been other judicial reports and books written such as "Douglas's Report" (1783), and "A Collection of Cases Overruled, Doubted, or Limited in their Application." Sourced from American and English Reports (1821), Henry J. Labatt's "A Table of Cases in California as Affirmed, Overruled, Modified, Commented upon, or Altered by Statutory Enactment" (1860), and "A Table of Cases Affirmed, Reversed or Cited in Any of the Volumes of the Reports of the State of New York" by William Wait (1872). In 1873, Shepard started indexing the Illinois Supreme Court cases and in time expanded it nationally within the United States of America. In 1997, Shepard's

Citations were made available on the Internet and a new term was added to the judicial terminology, "Shepardizing," which is the process by which the validity of a case is evaluated and additional authority located (*Shepard's Citations Information Available on the Internet.*, 1997).

Shepard's Citations therefore has significant importance in bibliometry, as in 1957, William C. Adair, a former Vice President of Shepard's Content parent company, wrote a letter stating that the Shepard's Citations indexing technique could be used for indexing medical literature. At that time, Eugene Garfield had kept in contact with Adair after being fired from the Welch Machine Indexing project in 1953 (Beira, 2010). Adair's letter became a turning point for Garfield and also for bibliometrics.

Eugene Garfield (1925-2017) then founded the Science Citation Index (SCI). He was both a scientist and an entrepreneur. In 1954, Garfield set up DocuMation Inc., and used technology such as computer punch cards, digital computers, and CD Rom technology for the scholarly community as an information service provider. In 1955, he prepared an experimental citation index for patenting. In 1960, the company name changed to the Institute for Scientific Information (ISI). At the same time, the Index Chemicus was launched, which was an integrated chemical compound and reaction database that was fully linked to the citation index, and was supported by the National Science Foundation (NSF). In 1963, the first edition of the Science Citation Index (SCI) was launched, and covered the year 1961. In 1965, the Social Sciences Citation Index (SSCI) was launched. In 1970, the 5 years cumulating between 1965 and 1969 was calculated, and became known as it is today as the "5-year impact factor." In 1975, the Journal Citation Report (JCR) was first published, and included journal impact factors. By 1980, all of these indexes and reports became available in CD-ROM form (Beira, 2010). These different databases then merged into the Web of Science portal, which can be accessed via the Internet (see https://webofknowledge.com), and is sustained by Thomson Reuters.

Today, the Web of Science is not the only citation index; however, it is the first citation index to cover different subjects, and also includes statistical calculations for impact factor assessment. Following the SCI, other citation indexes emerged such as MEDLINE, PsycINFO, Scopus, and Google Scholar etc. Some of these citation indexes include only specific journal types like MEDLINE or PsycINFO. On the other hand, Scopus, Google Scholar, and the Web of Science includes all journal types.

Up until 2004, the WOS was the first and only bibliometric database, but with the opening of Elsevier's Scopus database, the WOS lost its unique status.

The fact that Scopus has emerged as another database that indexes references to scientific publications and has significantly increased the number of publications and citations it has covered in recent years, such as WOS, has attracted the attention of the scientific community. (Karasözen et al., 2011, p.239)

Due to this reason, in 2006 the WOS moved to enlarge its regional coverage, and the number of journals originating from Turkey increased up to 80 (Al & Soydal, 2014). At that time, the WOS did not precisely examine all of the journals when they accepted additional journals as part of their enlargement. There were only seven journals prior to 2005, but then 68 journals were added between 2005 and 2010 (Testa, 2011). However, due to citation abnormalities, almost half of these journals (30 of 65 journals accepted after 2007) were subsequently removed from the index (Al & Soydal, 2014).

After the complications seen following the regional coverage enlargement, the WOS moved instead to partner with regional databases. Today, there are three regional databases indexed through the Web of Science platform (*Web of Science platform: Regional Citation Indexes*, n.d.) which are:

- Russian Science Citation Index
- KCI Korean Journal Database
- SciELO Citation Index

Whilst the Web Of Science is therefore not the only citation database in existence, it is, however, still the most widely used database for incentive programs in Turkey. Due to this reason, this current research was based on data extracted from the Web of Science Portal.

#### 2.3 Educational Faculties and CEIT Departments

In the 1970s, the Turkish Ministry of National Education (MoNE) were the responsible institution for training the nation's teachers. However, a number of critical decision errors were made such as the closure of Teacher Schools without undertaking the necessary planning, degrading the education provided by reducing the period of educational training from 3 years to 3 months, and using letter learning for teacher training degrees all detrimentally affected the quality of the teachers the system produced. Because of these negative practices, in 1982, Law No: 41 removed all teacher training responsibility from the MoNE, with responsibility passed to the universities. Teacher Training Schools were changed to Educational Faculties and their curricula replaced. In 2007, 23% of all undergraduate students in Turkey received their education through a total of 69 education faculties (Kavak, Aydın, & Akbaba ALTUN, 2007)

Within the improvements seen in technology, to develop on the ways to use technology within education, the Computer Education and Instructional Technology (CEIT) departments were established, along with curricula revisions applied to other programs within education faculties. By 2000, these new CEIT departments produced their first graduates (Akkoyunlu, 2010).

When looking at the current statistics from Turkey's Higher Education Council (CoHE), there are 201 universities in Turkey. Of those, 129 (64%) are state universities, with 72 (36%) being foundation (private) universities. When education faculties are examined, a total of 96 universities in Turkey have an education faculty, and 61 of them include the Computer Education and Instructional design field (CoHE, n.d.).

### 2.4 Bibliometrics Studies

As previously mentioned, bibliometric studies are conducted for different aims such as trend analysis, productivity analysis, to aid the defining of scientific policy, or for mapping scientific networks. The current research aims to understand the current research trends in Turkey for the field of education, and to reveal the widespread research profiles, the most preferred journals, and the prevalent sample demographics.

In the literature, the first report which used bibliometric indicators was "Science Indicators," published in 1972 by the National Science Foundation. After that, the NSF periodically published these indicators. It was the first attempt at using bibliometrics for the purposes of forming scientific policy. Today, countries give importance to understanding their current position in general research and development activities. The Organization for Economic Co-operation and Development (OECD), the Japan Science & Technology Agency (JST), and countries such as Australia, Brazil, Italy, the United Kingdom, the Netherlands, and Scandinavian countries have each prepared these kind of science and technology indicator reports for many years (Karasözen, Gökkurt, & Zan, 2009). In Turkey, ULAKBİM, which operates under TÜBİTAK, is the responsible institution that conducts bibliometric analysis related to science and technology. The ULAKBİM Bibliometric Analysis Group prepares reports with different scopes such as publication indicators for countries in different subjects, for universities, for cities, and for journals (ULAKBIM, 2013).

Their latest report included 52 countries and three groups (EU-28, OECD, and BRICKS) for the period 2010 to 2015. The report was based on data taken from the WOS Incites program. Worldwide, between 2010 and 2015, a total of 13,624,437 papers were indexed in the WOS databases. The most productive countries were the United States of America, China, and the United Kingdom. In this report, Turkey was ranked 18th, with 204,216 publications and with a 3.30 impact value having contributed to 1.5% of the world's scientific publications between 2010 and 2015 (Yetkin et al., 2015b). When looking at the social sciences in detail, between 2010 and 2015, Turkey produced 12.27% of the total Social Sciences scientific research with 25,950 publications. The most significant research areas were Education and Educational Research (28.64%), followed by Economics (9.05%), and Social Sciences–Common Disciplines (7.52%) (Yetkin et al., 2015a) Figure 2.1presents an illustration used by (Yetkin et al., 2015a).

It is important to note that in the Education and Educational Research field, Turkey was ranked sixth based on the number of publications. On the other hand, when the impact of these publications are assessed, Turkey was ranked 33rd.



Figure 2.1: Turkey's publication numbers for the top 10 social science subjects

In the literature, the number of bibliometric studies increased after 1990 (Al, 2008) following the SCI being made generally available. Bibliometrics can be applied at the macro and micro levels. Science indicator reports are sample-based at the macro level. Bibliometrics are also widely used for micro level studies such as understanding the current trends of a specific subject or journal.

Research by Bozkaya, Aydın, and Kumtepe (2012), Lee et al. (2007) and Selçuk, Palancı, Kandemir, and Dündar (2014) are all examples of conducting bibliometric analyses based on specific journals. These studies reported on what kind of research papers were published, which institutions had published in that journal, and how the journal quality and impact factor had changed over time. These bibliometric research studies helped researchers to understand the characteristics of the selected journal, and also identified general trends for the journals' subject area.

Using bibliometrics to understand current trends for a specific subject is one of the most common uses of bibliometrics. Yavan (2005) analyzed international publications in the field of geography in Turkey between 1945 and 2005, based on publica-

tions that appeared in journals covered by the SCI and SSCI citation indexes. Koçak (2014) looked at clinical medicine publications, and Karamustafaoğlu (2017)) analyzed Turkish physics publications indexed in the SCI from 1983 to 2003. Fatima and K S (2019) and Hung (2012) both studied e-learning as a subject, whilst Günay and Yakın (2014) chose both the subject area and seven specific journals in order to understand mobile learning trends.

Another area in which bibliometric analysis is significantly used is co-authorship and collaborative research. Zan (n.d.) ) researched cooperation profiles in light of international articles produced by Turkey's Middle East Technical University (generally referred to as METU) and Bilkent University faculty members between 2001 and 2010. Glänzel (2001), Gossart and Özman (2008) and Melin and Persson (1996) also published research studies that looked for collaborative patterns between researchers or institutions.

Macro level studies can also be seen in the literature such as taking one of the databases as a whole and applying bibliometric techniques in order to reach generalized results. For example, Uzun (1998) conducted a bibliometric research for Turkey's social science publications between 1970 and 1999, whilst (Gülgöz et al., 2002) studied a similar timeframe with publications from 1987 to 1996.

The literature shows that bibliometrics can be applied at different aggregation levels. The aim of the current research is to understand the current trends of peer-reviewed articles indexed in the Web of Science Core Collection under the "education and educational research" subject between 1968 and 2015, and with at least one author's affiliate address located in Turkey.

### 2.5 Criticism About Bibliometry

In addition to the aforementioned advantages of bibliometry, there has also been criticism levelled at the use of bibliometrics in determining incentives for academic authors. The misuse or misapplication of bibliometrics have also been shown to have adverse effects, with Haustein and Larivière (2015) reporting on six different adverse effects as;

- Publishing in Journals that Count: Researchers choose journals that count in their incentivization schemes rather than considering the quality of the journal. Balci (2011) explained how this adverse effect is used by some researchers in order to meet the conditions set in their incentive programs for academic achievement and/or progression.
- Salami Publishing and Self-Plagiarism: This is used for increasing publication numbers. Salami publication or segmented publication, as defined by Smolčić (2013) is "a distinct form of redundant publication which is usually characterized by similarity of hypothesis, methodology or results but not text similarity" (p. 1). This has an important unethical adverse effect because it is not easy to understand.
- Honorary Authorship: This is ghost authorship. Listing individuals as authors who do not meet the authorship criteria or not naming the actual authors (Haustein & Larivière, 2015)
- 4. *Self-citations:* To some extent, self-citation is unavoidable; however, it depends on the context of the research. Some researchers use self-citations as a means to mislead bibliometric indicators.
- 5. *Increasing the Journal Impact Factor:* The Journal Impact Factor is an important indicator, but some journals have discovered ways to mislead this indicator using other adverse effects such as journal self-citation. In the peer review process, some editors push authors towards journal self-citation or to cite articles published in the preceding 2 years for the same journal etc.
- 6. *Cumulative or Personal Impact Factors:* These are other adverse effects whereby the journal impact factor is manipulated resulting in the cumulative and personal impact factors also being affected.

Following the enlargement decision of the Web of Science, the number of Turkishoriginating journals increasing; however, some of them were also dropped from the index after approximately 5 years. The reason for these dropouts were mainly due to citation irregularities such as high rates of self-citation or the inclusion of more than 90% Turkish publications (Doğan, DHYI, & Al, 2018) Bibliometry can draw a reliable and detailed picture of academic development at the micro or macro level. On the other hand, it should be considered that certain indicators can be manipulated through unethical practices. Policymakers should make themselves aware of such unethical implications and carefully consider these issues when awarding academic promotions and incentives.

### **CHAPTER 3**

### METHODOLOGY

The current study investigated the current trends of peer-reviewed educational research articles indexed in a major scientific research publication index service, having been submitted by researchers affiliated to institutions within Turkey. The aim of the study was not reach any prediction or explanation, but only to describe the current trends of education research articles where at least one author's affiliate address was located within Turkey.

This section includes detailed information about the design and methodology of the study. Section 3.1 includes the research questions. Section 3.2 details the design of the study. Section 3.3 includes information about the determination of a bibliometrical database and the publication period selected for the published articles. Section 3.4 includes the definition of the search terms applied. Section 3.5 provides information about the data collection methods employed. Section 3.6 includes information about the standardization and organization of the collected data. Finally, Section 3.7 includes information about the analysis and synthesis of the collected data.

### **3.1 Research Questions**

The main research question of the current research is what the publication and collaboration trends are in the field of educational sciences, especially in the Computer Education and Instructional Technology (CEIT) departments. It includes three subquestions: **Subquestion 1:** What are the general publication trends and bibliometric profiles of publications in the fields of educational sciences?

- a) What is the distribution by year of documents indexed in the Web of Science Core Collection under the "education and educational research" subject, with at least one author's affiliate address located in Turkey?
- b) What is the distribution of documents according to each index?
- c) What is the distribution of research articles according to journals grouped by the 5-Year Impact Factor (5-YIF)?
- d) What is the distribution of research articles according to the authors' institution type?
- e) Which are the top 15 universities according to the numbers of published research articles?

**Subquestion 2:** What are the bibliometric profile of journals originating from the top 15 universities and CEIT departments?

- a) Which are the journals most preferred by the top 15 universities?
- b) Which are the journals most preferred by CEIT departments?

**Subquestion 3:** What are the collaboration trends among researchers from the top 15 universities?

- a) What is the research article co-authorship distribution by country?
- b) What is the research article co-authorship distribution for the top 15 universities?
- c) What is the research article co-authorship distribution by CEIT departments?

### 3.2 Design

Bibliometric analytical methods were applied in the study. Definition of bibliometrics highlights that quantitative methods are used in bibliometric research, and the current research applied a modified version of the method used by Zancanaro et al. (2015). Bibliometric analysis has two main steps and a number of sub-steps:

- 1. Collecting, filtering, and data standardization
  - (a) Determination of bibliometrical database(s) and the publication period of the articles
  - (b) Definition of the search terms to be applied
  - (c) Data Collection
  - (d) Organization and standardization of the collected data
- 2. Data analysis and synthesis
  - (a) Analysis of the collected data
  - (b) Analysis and preparation of the final result

# 3.3 Determination of Bibliometrical Database(s) and Publication Period of Articles

In the current research, the population of the study was all scholarly articles submitted under the educational and educational research area. The sampling of the research included research articles indexed in the Web of Science Core Collection under the "education and educational research" subject between the 1968 and 2015, with at least one of the authors having an affiliate address located within Turkey. In the main, there are three bibliometrical, cross-disciplinary databases:

- Google Scholar
- Web of Science (WOS)
- Scopus.

Google scholar is the database which has the broadest coverage (Harzing & Alakangas, 2016); however, it indexes all sources published on the web but without any expert control. Therefore, Google Scholar was excluded from the scope of the current research. Harzing and Alakangas (2016)conducted a longitudinal and crossdisciplinary comparative research study about these three aforementioned databases; concluding that, "all three databases provide sufficient stability of coverage to be used for more detailed cross-disciplinary comparisons" (p. 802).

Despite both the Web of Science and Scopus being used as bibliographical analysis tools and known to provide stability with regards their coverage, it is the Web of Science that is widely used in Turkey, and specifically for TÜBİTAK's Incentivization Program for International Scientific Publications or Academic Incentives Allowance etc. It is for this reason that the sample for the current study was sourced from the Web of Science Core Collection databases.

The focus of the research was to establish the general image of current publication trends, primarily in the field of education. Under the Web of Science Core Collection there are individual 251 subject categories, and each journal indexed in the Web of Science is assigned to at least one subject category (Clarivate, 2018). The list of subject categories can be accessed from this link:Web of Science Categories

### 3.4 Definition of Search Terms

Main aim of this research was to create a picture of the current trends of peer-reviewed research articles that were indexed in a major scientific research publication index service under the "education and educational research" subject, and with at least one author's affiliate address located within Turkey. In order to obtain accurate data from the Web of Science database, the following query was employed: "AD=Turkey AND WC=Education & Educational Research AND PY=(1968-2015)"

### 3.5 Data Collection

The Web of Science databases provide two different means to access indexed publications. The first of these is by utilizing the Web of Knowledge portal, which can be accessed by using this link: www.webofknowledge.com. The second is through a web-service in order to reach data presented via the website. However, rather than a browser, certain protocols are used instead. Using the web-service requires some basic code to be written in order to enter a query and thereby access the results. This method provides researchers with the opportunity to collect data more easily.

In the current research, a MySQL database was utilized in order to store and subsequently analyze the retrieved data. The collected data included metadata information about the research articles indexed in the Web of Science Core Collection under the education and educational research subject between 1968 and 2015, with at least one author's affiliate address located within Turkey. The data records included the following information:

- Wos Id,
- WOS Id,
- Document type,
- Publication year,
- Journal full title,
- Journal short title,
- Issue number,
- Volume number,
- First page number,
- Last page number,
- Authors' names,
- Authors' affiliations,

- DOI,
- Abstract,
- ISSN,
- eISSN.

The data was first extracted from the web service in August 2015, and repeated in November 2016 in order to include all of the records published during 2015. In total, the two extractions provided 10,729 records via the web service that covered in full the publications made between 1968 and 2015. However, the records included all types of documents such as articles, meeting notes, editorials, and reviews etc., but as the focus of the current research was only articles, this condition narrowed down the sample to provide metadata for 6,644 articles for analysis.

### 3.6 Organization and Standardization of Data

The data analysis phase of the study commenced with organization of the data. The data gathered from the web-service was in JSON format, and was subsequently parsed into a single MySQL table using Java programing language. The data also required additional parsing in order to create a relational database so as to be able to see the relationships between the records. For the second parsing process, Python programing language was then utilized.

After creating the relationship schema of the file, the data were then cleansed. Because the data included metadata information about each of the articles, it was not possible to discover the relations without first cleaning the data. Data cleansing formed an important part of this research as bibliometric databases are known to contain data that is not particularly clean. There are various reasons for such problems such as some documents having been digitalized using Optical Character Recognition (OCR) software, which can result in typographical errors, as well as authors or editors potentially submitting incorrect information etc.

One significant issue with the data taken from the bibliometric databases was a lack of identical organization listings, for example, the same addresses of an organization having been written differently on different records. Therefore, without first cleaning the data, it would not be possible to reach a valid answer for Research Question 3. Taşkın (2012) stated having experienced the same issue that caused errors when analyzing university publication rankings through bibliometric analysis, and stated four major reasons as causes for this problem:

- 1. Letter and spelling mistakes
- 2. Indexing errors
- 3. Errors made in English translations of institution names
- 4. Non-standard address usage

All of these same problems were seen in the data of the current research that made cleansing the data prior to analysis unavoidable. In cleaning the data, a MySQL function was used to discover the variations of institution names and a normalization table was created to group the records according to the results.

### 3.7 Analysis and Synthesis of the Collected Data

After standardizing and cleansing the data, the final step was to execute the analytical queries so as to generate tables and images to answer the research questions, as stated in Section 1.3.

### 3.7.1 Collaboration Coefficiency

Understanding the level of academic collaboration among authors was not found to be an easy task using regular methods such as observation, interviews, or questionnaires. "Despite some limitations, bibliographic data containing the names of all the co-authors, offer an unobtrusive indicator for the study of collaboration" (Ajiferuke, Burell, & Tague, 1988).

Various methods have been employed such as Degree of Collaboration, Collaborative Index (Lawani, 1986), and Collaboration Coefficiency (Ajiferuke et al., 1988).Collab-

oration Coefficiency (CC) is shown as a value between 0 and 1, with the greater the number representing a higher level of collaboration. Although each of these methods has certain limitations, intelligible data in the CC method can be interpreted for the purposes of comparison between time periods, or between disciplines or institutions. Based on this approach, the researcher selected the CC method for the current study.

The formula for CC is as follows(Fatima & K S, 2019):

$$CC = 1 - \frac{\sum_{j=1}^{A} (1/j) f_j}{N}$$
(31)

where N is the total number of research papers published in a discipline during the certain period of time, j is the number of authors,  $f_j$  is the number of j-authored research papers published in a discipline during a certain period of time; and A is the greatest number of authors per paper in a discipline.

### 3.8 Data Validation

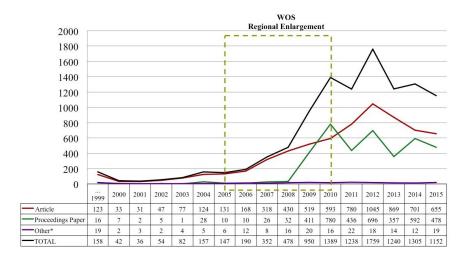
For data validation, the data analysis was conducted using different programs. Primarily, MySQL was used. In addition, the data was also analyzed using Microsoft Excel. As well as using different tools, the queries and database relations were peer reviewed by two computer engineers and an academician from the department of Computer Education and Instructional Technology (CEIT).

### **CHAPTER 4**

### FINDINGS

The main research question of the current study is what the publication and collaboration trends are in the field of educational sciences, especially in the Computer Education and Instructional Technology (CEIT) departments. This chapter precises the summary of findings in the light of three sub-research questions. Section 4.1 details the findings of the general publication t rends and bibliometric profiles of publications in the fields of educational sciences. Section 4.2 includes the findings about bibliometric profile of journals originating from the top 15 universities and CEIT departments. Lastly, Section 4.3 contains the detailed findings of the collaboration trends among researchers from the top 15 universities.

# 4.1 General publication trends and bibliometric profiles of publications in the fields of educational sciences



### 4.1.1 Distribution of documents according to year

Figure 4.1: Distribution of documents by year

In this research, a total of 10,729 research papers were analyzed. The journals included different types of papers including articles, proceedings, abstracts, biographies, book reviews, editorials, letters, news, reviews, and software reviews. Between 1968 and 2015, researchers from Turkey published a total of 6,644 (61.92 %) research articles and 3,887 (36.23 %) proceedings papers.

Figure 4.1 illustrates the distribution of these papers by year of publication. The red line represents the distribution of the articles, the green line represents the proceedings papers and the purple line represents the other documents, which includes abstracts, biographies, book reviews, editorials, letters, news, reviews, and software reviews. Between the years 2005 and 2010, WOS increased the number of journals originating from Turkey within its regional enlargement strategy. The yellow rectangle in Figure 4.1 indicates the years when the WOS enlarge its regional coverage. It was obvious that in that years the number of publications were increased; on the other hand as WOS was not incisively examine the journals most of them extracted from the database because of their citation abnormalities.

### 4.1.2 Distribution of documents according to each index

Abbreviation **Edition full name** SCI Science Citation Index Expanded SSCI Social Sciences Citation Index AHCI Arts & Humanities Citation Index ISTP **Conference Proceedings Citation Index-Science ISSHP Conference Proceedings Citation Index-Social Sciences** IC **Index Chemicus** CCR **Current Chemical Reactions** 

Table 4.1: Full name of Web of Science indexes

In the Web of Science Core Collection there are seven indexes. These indexes are generally known by their abbreviated name – see Table 4.1 for the full name of each index. Index Chemicus (IC) was the first index which was created in 1960. SCI, SSCI and AHCI mainly include articles and ISTP and ISSHP generally include proceedings papers.

Edition	]	Document Typ	e	TOTAL		
Ealfion	Article	Proceedings	Other*	IUIAL		
SSCI	4,219	1	79	4,299		
SCI	1,166	3	76	1,245		
ESCI	69		3	72		
AHCI	8			8		
ISSHP		3,579		3,579		
ISTP		71		71		
2 Index	1,152	233	37	1,422		
3+ Index	30	0	3	33		
TOTAL	6,644	3,887	198	10,729		

Table 4.2: Number of documents per edition

\* Other includes: Abstracts, biographies, Book reviews, editorials, letters, news, reviews, and software reviews

Table 4.2 shows the distribution of the documents by each indexes. While most of the articles were indexed in SSCI and SCI, proceeding papers were mostly indexed in ISSHP. 63.50% of articles indexed in SSCI, 17.55% of articles indexed in SCI. 1,452 (17.34%) articles indexed in 2 or more indexes. These two indexes generally are SSCI and SCI. This situation reveals the eclectic nature of the educational sciences.

# 4.1.3 Distribution of research articles according to journals grouped by the 5-Year Impact Factor (5-YIF)

The articles were published in 839 different journals between 1968 and 2015. When looking at the journals' 5-Year Impact Factors, 752 journals were included in the Web of Science's 2017 JCR list, and 4,711 articles were published in those journals. Of these articles, 36.123% were published in journals with a 5-YIF of less than 1.00. In addition, 1,933 (29.094%) articles were published in journals not included in the 2017 JCR list.

5-YIF Range	# of Journals	# of Articles	% of Articles
4.01 >	58	205	3.085
3.51 - 4.00	33	63	0.948
3.01 - 3.50	53	187	2.815
2.51 - 3.00	88	229	3.447
2.01 - 2.50	132	430	6.472
1.51 - 2.00	146	707	10.641
1.01- 1.50	142	490	7.375
0.51 - 1.00	78	1,563	23.525
0.00 - 0.50	22	837	12.598
No Impact Value	87	1,933	29.094
TOTAL	839	6,644	100.000

Table 4.3: Distribution of articles for journals grouped by JCR 2017 5-YIF

Table 4.3 shows the distribution of articles according to journals grouped by the 2017 JCR 5-Year Impact Factor values. Also, see Appendix A for the full journal list and numbers of articles published that originated from Turkey. 29.094% of the articles were published in the journals that were not included in JCR anymore. These journals had been added to the index during the regional enlargement, yet failed to meet the necessary criteria and were subsequently removed from the index after 2012. 36.123% of the articles were published in Journals that have 5-YIF value less than 1.01. 27.935% of the articles published in the journals which have 5-YIF value between 1.01 and 3.00. Only 6.848% of the articles published in the journals which have 5-YIF value more than 3.01.

### 4.1.4 Distribution of research articles according to authors' institution type

Institution Type	# of Institutions	# of Authors	# of Articles			
University	167	13,457	6,093			
Other*	286	918	463			
Other includes instituti	on types such as the	e Turkish Gover	mment, the Mol			
1	anitala an nuivata a					

Table 4.4: Distribution of articles by institution type

hospitals, or private companies etc.

Upon examining which institutions create knowledge and then share this knowledge through the publication of research articles, it is clear that universities are the main providers, as expected. Table 4.4 shows that most authors are working within universities, and that only 918 authors worked for institutions other than universities such as the Turkish Government, the MoNE, hospitals, or private companies etc.

Table 4.5: Distribution of articles by university type

University Type	# of Universities	# of Authors	# of Articles	Authors/Articles
State University	107	12,353	5,696	2.17
Foundation University	60	1,106	683	1.62

A total of 13,457 authors stated their affiliation as universities. When looking at university type, most authors were affiliated to state universities. However, when the Author-to-Article ratio is examined (see Table 4.5), the average number of authors per article was two (rounded), meaning that university type had no effect on the average number of authors per article.

### 4.1.5 Top 15 universities according to the numbers of published research articles

A subtotal of 3,542 articles (53.31% of the total number of articles) originated from 15 universities according to the stated author affiliations. For this reason, the current research focused more deeply on those universities as the source of published articles. All of the top 15 producing institutions were notes as being state universities.

#	University Type	University	City	# of Articles	# of Authors	% of Articles	Articles/Authors
1	STATE	HACETTEPE UNIVERSITY	Ankara	678	1,233	10.20	.55
2	STATE	GAZI UNIVERSITY	Ankara	440	746	6.62	.59
3	STATE	MIDDLE EAST TECHNICAL UNIVERSITY	Ankara	440	692	6.62	.64
4	STATE	ANKARA UNIVERSITY	Ankara	299	535	4.50	.56
5	STATE	MARMARA UNIVERSITY	Istanbul	248	433	3.73	.57
6	STATE	ANADOLU UNIVERSITY	Eskisehir	235	439	3.54	.54
7	STATE	DOKUZ EYLUL UNIVERSITY	Izmir	234	454	3.52	.52
8	STATE	KARADENIZ TECHNICAL UNIVERSITY	Trabzon	200	378	3.01	.53
9	STATE	ISTANBUL UNIVERSITY	Istanbul	192	422	2.89	.45
10	STATE	EGE UNIVERSITY	Izmir	181	472	2.72	.38
11	STATE	ATATÜRK UNIVERSITY	Erzurum	180	325	2.71	.55
12	STATE	SAKARYA UNIVERSITY	Sakarya	177	279	2.66	.63
13	STATE	PAMUKKALE UNIVERSITY	Denizli	169	284	2.54	.60
14	STATE	ABANT IZZET BAYSAL UNIVERSITY	Bolu	149	206	2.24	.72
15	STATE	AKDENIZ UNIVERSITY	Antalya	148	260	2.23	.57

Table 4.6: Top 15 universities according to published research article numbers

Table 4.6 shows top 15 universities according to published research article numbers. The top four universities were located in Ankara, the capital of Turkey. Other than Ankara, the remaining 11 were located in Istanbul, Eskişehir, Izmir, Trabzon, Erzurum, Sakarya, Denizli, Bolu, Antalya, Konya, and Adana. Hacettepe University had the most articles with (n = 678, 10.20%), followed by Gazi University and Middle East Technical University which both published 440 articles (6.62%).

The Author/Article Ratio reports on the average number of authors who contributed to the articles. Of the top 15 universities, Abant Izzet Baysal University differed with a higher than average ratio of .72. This means that researchers at that university contributed more than researcher's affiliated to other universities. Conversely, the researchers from Ege University contributed the least to their articles with only a .38 Author/Article ratio.

# 4.2 Bibliometric profile of journals originating from the top 15 universities and CEIT departments

### 4.2.1 Journals most preferred by the top 15 universities

Journal Title	#of Articles	5-YIF	JIF	AIS
EGITIM VE BILIM (EDUCATION & SCIENCE)	481	.455	.352	.048
HACETTEPE UNIVERSITESI EGITIM FAKULTESI DERGISI (JOUR-	455	-	-	-
NAL OF HACETTEPE UNIVERSITY FACULTY OF EDUCATION)				
KURAM VE UYGULAMADA EGITIM BILIMLERI (EDUCATIONAL	341	.782	.532	.099
SCIENCES IN THEORY & PRACTICE)				
EGITIM ARASTIRMALAR (EURASIAN JOURNAL OF EDUCATIONAL	183	-	-	-
RESEARCH)				
TURKISH ONLINE JOURNAL OF EDUCATIONAL TECHNOLOGY	110	-	-	-
ENERGY EDUCATION SCIENCE AND TECHNOLOGY PART B-	99	-	-	-
SOCIAL AND EDUCATIONAL STUDIES				
JOURNAL OF BALTIC SCIENCE EDUCATION	78	.617	.638	.07
COMPUTERS & EDUCATION	58	5.568	4.538	1.023
EURASIA JOURNAL OF MATHEMATICS SCIENCE AND TECHNOL-	47	-	-	-
OGY EDUCATION				
EDUCATIONAL SCIENCES-THEORY & PRACTICE	44	.782	.532	.099
EDUCATIONAL TECHNOLOGY & SOCIETY	39	2.326	1.767	.42
COMPUTER APPLICATIONS IN ENGINEERING EDUCATION	39	.973	1.153	.101
OTHER PUBLICATIONS	1,568			
5-YIF: 5 Year Impact Factor JIF: Journal Impact Factor	AIS: Ar	ticle Inf	luence	Score

Table 4.7: Journals most preferred by top 15 universities

Table 4.7 shows the journals in which the most research articles were published by researchers at the top 15 universities. Figure 4.2 clearly shows that 56% of the articles were published in just 12 journals. Of those, 14% of the articles were published in Egitim ve Bilim (Education & Science), 13% in Hacettepe Universitesi Egitim Fakultesi Dergisi (Journal of Hacettepe University Faculty of Education), and 10% of the articles were published in Kuram ve Uygulamada Egitim Bilimleri (Educational Sciences in Theory & Practice). See Appendix B for the full list of journals which the most productive 15 universities preferred.

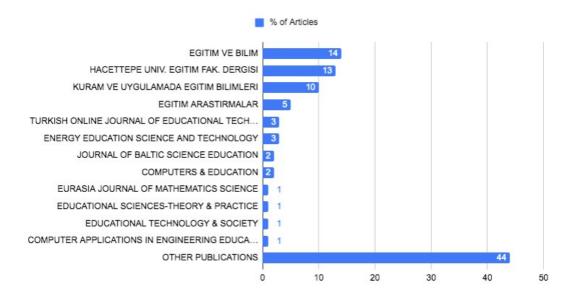


Figure 4.2: Journals most preferred by top 15 universities

### 4.2.2 Journals most preferred by CEIT departments

ISSN	# of Authors	% of Articles	Journal Title	5-YIF	JIF	AIS
1303-0485	46	13	KURAM VE UYGULAMADA EGITIM BILIMLERI (EDUCATIONAL	.782	0.532	0.099
			SCIENCES IN THEORY & PRACTICE)			
0360-1315	46	13	COMPUTERS & EDUCATION	5.568	4.538	1.023
1300-1337	43	12	EGITIM VE BILIM-EDUCATION AND SCIENCE	.455	.352	.048
2146-7242	36	10	TURKISH ONLINE JOURNAL OF EDUCATIONAL TECHNOLOGY	-	-	-
1436-4522	30	9	EDUCATIONAL TECHNOLOGY & SOCIETY	2.326	1.767	.42
1300-5340	22	6	HACETTEPE UNIVERSITESI EGITIM FAKULTESI DERGISI	-	-	-
			(HACETTEPE UNIVERSITY JOURNAL OF EDUCATION)			
0007-1013	13	4	BRITISH JOURNAL OF EDUCATIONAL TECHNOLOGY	3.142	2.729	.559
1302-597X	8	2	EGITIM ARASTIRMALARI (EURASIAN JOURNAL OF EDUCA-	-	-	-
			TIONAL RESEARCH)			
1449-3098	6	2	AUSTRALASIAN JOURNAL OF EDUCATIONAL TECHNOLOGY	-	-	-
1732-6729	6	2	NEW EDUCATIONAL REVIEW	-	-	-
1049-4820	5	1	INTERACTIVE LEARNING ENVIRONMENTS	1.722	1.604	.348
0735-6331	5	1	JOURNAL OF EDUCATIONAL COMPUTING RESEARCH	1.321	1.234	.294
1308-7711	5	1	ENERGY EDUCATION SCIENCE AND TECHNOLOGY PART B-	-	-	-
			SOCIAL AND EDUCATIONAL STUDIES			
1061-3773	5	1	COMPUTER APPLICATIONS IN ENGINEERING EDUCATION	.973	1.153	.101
	70	20	Other 49 Journal			
5-YIF: 5	Year Impa	ct Factor	JIF: Journal Impact Factor AIS: Article	Influe	ence S	core

Table 4.8 details the journals most preferred by CEIT departments with 5-5 Year Impact Factor, Journal Impact Factor and Article Influence Score. A total of 346 articles were published in 64 different publications by authors affiliated to CEIT departments.

As Figure 4.3 shows, almost 50% of these articles were published in just four publications, which were Kuram & Uygulamada Egitim Bilimleri (Educational Sciences in Theory & Practice), Computers & Education, Egitim ve Bilim (Education & Science), and Turkish Online Journal of Educational Technology.

Notably, the Turkish Online Journal of Educational Technology was only included in the JCR list for 2010 and 2011, and has since been removed. Therefore, the 36 articles shown as being published in the Turkish Online Journal of Educational Technology between 2008 and 2012 were in actuality attributed only to 2010-2011 when the journal was indexed in the Web of Science Core Collection.

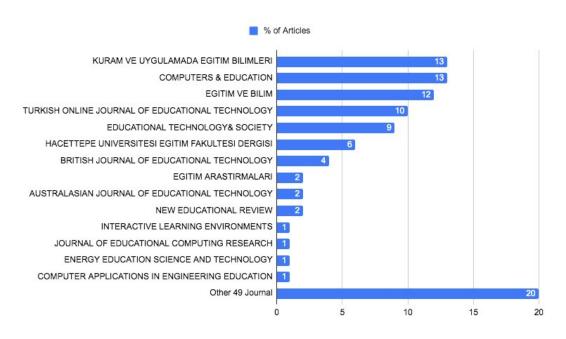


Figure 4.3: Journals most preferred by CEIT Departments

### 4.3 Collaboration trends among researchers from the top 15 universities

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### 4.3.1 Research article co-authorship distribution by country

Figure 4.4: Turkish collaboration map for field of education according to indexed articles in Web of Science Core Collection (1968-2015)

	Related Author Country	# of Articles	# Authors from Turkey	# Institutions from Turkey	# Authors not from Turkey	# Institutions not from Turkey
1	United States	332	539	104	434	152
2	United Kingdom	61	104	41	69	37
3	Germany	27	63	28	33	18
4	Netherlands	25	52	19	48	16
5	Turkish Republic of Northern Cyprus	18	39	16	19	5
6	Slovakia	18	10	8	2	1
7	Israel	17	25	7	10	6
8	New Zealand	16	15	11	14	7
9	Canada	14	21	13	20	13
10	Belgium	11	12	8	19	6
11	Czech Republic	11	17	10	8	6
12	Australia	10	20	13	11	6
13	France	10	12	10	11	6

Table 4.9:	Countries	collaborated	with most
Table 4.9:	Countries	collaborated	with most

A total of 609 articles were co-authored by researchers not affiliated to a Turkish institution, but from 71 other countries. As was expected, most of these authors were from the United States of America, with 332 articles. Of these, 539 authors from 104 Turkish institutions worked in cooperation with 434 authors affiliated to 152 institutions in the United States of America. Second was the United Kingdom, with 69 authors from 37 institutions, and third was Germany with 33 authors from 18 institutions. Figure 4.4 illustrates the Turkish collaboration country map for the field of education according to the indexed articles in the Web of Science Core Collection between 1968 and 2015. Table 4.9 details the distribution of articles for the co-authorship distribution by country.

### 4.3.2 Research article co-authorship distribution for the top 15 universities

University	Total# Articles	Same University	Diffe	rent Institutions in 2	Turkey		Non-Turkish Institutions						
Chiversky	(2+ Authors)	# of Authors	# of Articles	# of Institutions	# of Authors	# of Articles	# of Countries	# of Institutions	# of Authors				
HACETTEPE UNIVERSITY	531	624	230	108	355	58	21	61	91				
MIDDLE EAST TECHNICAL UNIVERSITY	388	412	207	70	256	81	20	75	115				
GAZI UNIVERSITY	330	378	223	127	421	37	13	35	55				
ANKARA UNIVERSITY	239	287	156	107	305	21	11	23	30				
DOKUZ EYLÜL UNIVERSITY	178	229	97	79	202	18	11	20	24				
MARMARA UNIVERSITY	177	218	99	83	168	21	8	17	25				
ANADOLU UNIVERSITY	161	190	56	39	67	20	9	25	33				
İSTANBUL UNIVERSITY	160	206	100	93	229	14	16	33	33				
EGE UNIVERSITY	154	220	70	80	197	18	16	24	28				
KARADENİZ TECHNICAL UNIVERSITY	153	206	71	75	156	14	5	6	14				
ATATÜRK UNIVERSITY	129	152	82	60	138	6	4	7	8				
AKDENİZ UNIVERSITY	123	153	79	78	198	30	19	35	56				
SAKARYA UNIVERSITY	111	131	54	61	110	12	7	13	17				
PAMUKKALE UNIVERSITY	106	137	63	78	147	13	6	15	19				
ABANT İZZET BAYSAL UNIVERSITY	96	105	65	55	107	15	9	16	20				

Table 4.10: Collaboration summary for top 15 universities

A total of 2,607 articles authored by more than one researcher originated from the top 15 universities located in Turkey (see Section 4.1.5. Overall, the articles were written by a total of 5,487 authors from 581 institutions. Some of these articles were written with cooperation from co-authors from 59 countries other than Turkey. The co-authorship pattern of the research articles indicates the knowledge sharing, interaction and collaboration between institutions, and also between countries. Table 4.10 details the distribution of articles for the top 15 universities according to co-authorship patterns. In the current research, co-authorship was deemed to mean the following;

- co-authorship of researchers within the same institution,
- co-authorship between researchers from different institutions in Turkey

• co-authorship between researchers from Turkey and other countries.

When Table 4.10 is examined, it can be seen that Middle East Technical University collaborates with authors from different countries more than the other universities, with 81 articles co-authored with 115 researchers from 75 institutions outside of Turkey. This was followed by Hacettepe University. On the other hand, Gazi University collaborated more with other universities within Turkey.

University News	Number of Authors											Total										
University Name	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	17	20	42	50	80	Total	u
EGE UNIVERSITY	27	36	37	28	16	8	9	4	3	5	1	1	1	1			1	1	1	1	181	.603
İSTANBUL UNIVERSITY	32	42	30	30	25	9	8	5	3		1	2		2			1	1	1		192	.585
AKDENİZ UNIVERSITY	25	38	25	22	13	9	8		1	1	1	1				1		1	1	1	148	.570
MIDDLE EAST TECHNICAL UNIVERSITY	53	206	131	27	12	7	2	1		1											441	.523
ANKARA UNIVERSITY	60	114	47	33	9	13	6	5	3	5			1					1	1	1	299	.507
DOKUZ EYLÜL UNIVERSITY	56	68	36	30	17	12	6	2		3	2							1		1	234	.502
KARADENİZ TECHNICAL UNIVERSITY	47	67	51	12	6	6	2	2	1	3	1		1						1		200	.481
GAZI UNIVERSITY	110	141	88	39	20	16	5	5	2	4	2	2	1		1		1	1	1	1	440	.480
HACETTEPE UNIVERSITY	147	303	111	41	20	18	16	9	2	3	2	1	2	1			1			1	678	.473
ATATÜRK UNIVERSITY	51	53	31	21	9	5	4	1	3		1			1							180	.462
MARMARA UNIVERSITY	71	70	53	20	10	9	4	6	1	3			1								248	.460
ANADOLU UNIVERSITY	74	88	37	18	3	5	6	2			1		1								235	.415
ABANT İZZET BAYSAL UNIVERSITY	53	41	28	11	7	2	3	3					1								149	.408
PAMUKKALE UNIVERSITY	63	41	31	11	7	6	2	4	1	1								1	1		169	.408
SAKARYA UNIVERSITY	66	55	28	15	8	2		1			1								1		177	.386

Table 4.11: Collaboration Coefficient for Top 15 Universities

The higher the Collaboration Coefficient (CC) value, the higher the level of collaboration between researchers. CC values approaching 1 denote significant levels of collaboration between authors. When looking at 4.11 CC values changed between .6 to .4, signifying a medium level of collaboration. Some articles had more than 20 authors listed, but these mainly medical-related articles that included information about adult learning related with disease and health.

In order not to misinterpret the results, the researcher reran the same analysis, but excluded 1,134 articles which had at least one author affiliated from an institution related to the medical sciences. Due to the nature of medical studies, there can often be a high number of collaborative authors for a single article. Table 4.12 therefore presents the CC values for collaborations that exclude medical-related articles. When the medical articles were excluded, the CC values of the universities changed. The resultant lower CC values shown in Table 4.12 range from .520 to .312.

Table 4.12: Collaboration Coefficient for	Top 15 Universities that Exclude Medical-
related Articles	

University Name	Number of Authors												- Total	СС		
		2	3	4	5	6	7	8	9	10	12	13	14	17	· Iotai	u
MIDDLE EAST TECHNICAL UNIVERSITY	53	203	132	26	11	7	1	1		1					435	.520
AKDENİZ UNIVERSITY	23	26	19	9	8	4	2		1		1			1	94	.496
EGE UNIVERSITY	22	25	21	8	4	1	1		1			1			84	.467
KARADENİZ TECHNICAL UNIVERSITY	47	66	49	10	3		1	1				1			178	.439
ANKARA UNIVERSITY	55	86	31	21	4	4	2	1				1			205	.436
ATATÜRK UNIVERSITY	44	42	27	16	9	1	2	1							142	.434
İSTANBUL UNIVERSITY	22	16	14	7	3		1						1		64	.418
HACETTEPE UNIVERSITY	142	265	91	21	9	4	3	1				1			537	.417
GAZI UNIVERSITY	108	126	69	29	8	2	1	1			1	1			346	.412
ANADOLU UNIVERSITY	74	88	36	17	3	5	5	2				1			231	.408
DOKUZ EYLÜL UNIVERSITY	55	53	27	11	6	3									155	.387
ABANT İZZET BAYSAL UNIVERSITY	53	38	25	7	7			2				1			133	.370
MARMARA UNIVERSITY	69	61	38	8		3		1							180	.362
SAKARYA UNIVERSITY	65	54	26	11	5	1									162	.354
PAMUKKALE UNIVERSITY	63	41	24	4		1		1	1						135	.312

### 4.3.3 Research article co-authorship distribution by CEIT departments

In order to establish co-author relationships from the extracted data, analysis was conducted based on the address information declared by each author. A total of 346 articles were written from authors from CEIT departments in 64 of the publications. It should be kept in mind that some authors did not mention their department, and therefore such articles could not be included as having originated from a CEIT department.Table 4.13 and Table 4.14 show which universities' CEIT departments had more than five articles published as it was impossible to determine patterns of collaboration with such limited numbers of articles.

Table 4.13: Collaboration summary for CEIT departments that published 5 or more articles

University	Total# Articles	Same University	Diffe	rent Institutions in 1	Non-Turkish Institutions				
Chiveshy	(2+ Authors)	# of Authors	# of Articles	# of Institutions	# of Authors	# of Articles	# of Countries	# of Institutions	# of Authors
MIDDLE EAST TECHNICAL UNIVERSITY	43	50	24	17	30	11	4	9	15
HACETTEPE UNIVERSITY	38	42	12	8	15	3	1	1	3
ATATÜRK UNIVERSITY	22	25	18	14	26	1	1	1	1
GAZI UNIVERSITY	18	19	15	15	21	1	1	1	1
ANADOLU UNIVERSITY	17	26	5	5	5	0	0	0	0
ANKARA UNIVERSITY	15	17	11	10	11	0	0	0	0
KARADENİZ TECHNICAL UNIVERSITY	10	15	7	6	9	0	0	0	0
BAŞKENT UNIVERSITY	9	11	5	5	6	0	0	0	0
DOKUZ EYLÜL UNIVERSITY	9	11	7	7	10	0	0	0	0
KOCAELİ UNIVERSITY	8	11	2	2	3	1	1	1	1
NEAR EAST UNIVERSITESI	7	8	3	2	4	0	0	0	0
ULUDAĞ UNIVERSITY	7	13	2	2	2	2	1	1	2
YILDIZ TEKNİK UNIVERSITY	7	8	4	4	4	0	0	0	0
SAKARYA UNIVERSITY	6	8	2	2	2	0	0	0	0
KIRIKKALE UNIVERSITY	6	13	2	2	2	0	0	0	0
EGE UNIVERSITY	5	5	3	4	5	0	0	0	0
AKDENİZ UNIVERSITY	5	6	5	5	8	0	0	0	0
SELÇUK UNIVERSITY	5	8	2	2	2	1	1	1	1

Table 4.13 summarizes the collaboration pattern of CEIT departments that published 5 or more articles. It can be seen that researchers from Middle East Technical University published more articles in collaboration with authors from nine other countries. Different than the top 15 universities, when considering only the CEIT departments, it can be seen that Atatürk University originated 22 articles indexed in the Web of Science Core collection, ranking the university in third place.

Table 4.14: Collaboration Co-efficiency (CC) for CEIT departments that published 5 or more articles

Theiropatity	N	umbe	er of	Aut	hor	Total Asticles	СС		
University	1	2	3	4	5	6	7	Total Articles	u
AKDENİZ UNIVERSITY			3	1	1			5	.710
ATATÜRK UNIVERSITY	1	3	8	4	5		2	23	.676
MIDDLE EAST TECHNICAL UNIVERSITY	3	22	13	3	5			46	.563
KOCAELİ UNIVERSITY		6	1		1			8	.558
ULUDAĞ UNIVERSITY	1	3	2		1	1		8	.558
NEAR EAST UNIVERSITESI	1	4	1	1		1		8	.531
KARADENİZ TECHNICAL UNIVERSITY	2	4	5		1			12	.511
YILDIZ TEKNİK UNIVERSITY	1	4	3					8	.500
HACETTEPE UNIVERSITY	5	26	9	2	1			43	.495
ANKARA UNIVERSITY	1	14	1					16	.479
KIRIKKALE UNIVERSITY	2	2	3		1			8	.475
BAŞKENT UNIVERSITY	2	5	4					11	.470
ABANT İZZET BAYSAL UNIVERSITY	1	2	2					5	.467
EGE UNIVERSITY	2	2	2		1			7	.448
DOKUZ EYLÜL UNIVERSITY	3	6	1	2				12	.431
GAZI UNIVERSITY	7	9	8	1				25	.423
ANADOLU UNIVERSITY	8	9	3	2		2	1	25	.421
ÇUKUROVA UNIVERSITY	2	1	1		1			5	.393
BAHÇEŞEHİR UNIVERSITY	2	3	1					6	.361
SELÇUK UNIVERSITY	4	2	2			1		9	.352
SAKARYA UNIVERSITY	6	4	2					12	.278
SÜLEYMAN DEMİREL UNIVERSITY	4	2	1					7	.238

Table 4.14 presents the CC values for CEIT departments that published 5 or more articles. It can be seen that there are Akdeniz University CEIT department originated only 5 articles however these articles have at least 3 or more authors. Due to this reason, Akdeniz University has the greatest CC values. Ataturk University ranking in the second place, with 22 articles and .676 CC values. Middle East Technical University ranking in the third place with 46 articles and .563 CC values.

Years	Nu	mber	of A	uth	ors	- Total Articles	CC			
Tears	1	2	3	4	5	6	7	Total Articles	cc	
2000-2003	2	0	0	0	0	0	0	2	0	
2004-2006	1	2	2	0	0	0	0	5	.467	
2007-2009	21	35	12	4	2	1	1	76	.418	
2010-2012	41	53	24	3	4	2	2	129	.398	
2013-2015	23	53	41	7	8	1	1	134	.501	

Table 4.15: Collaboration Coeffciency (CC) distribution by year

Table 4.15 showed the yearly distribution of the Collaboration Coefficiency. It was seen that articles were started to written after 2000; as it was the year that CEIT departments gave their first graduates. In Years, when the graduate student numbers were increase, the interaction between authors from CEIT departments increases gradually. In addition, in 2002 CoHE have started the Faculty Development Programme (ÖYP). This program also increase the collboration between academicians in CEIT departments.

### **CHAPTER 5**

### **CONCLUSION AND DISCUSSION**

Bibliometric analysis methods were used in the current study to understand the current trends in the educational research field in Turkey. The research questions were formulated primarily to focus on the publication demographics, institutional contributions to the field of education, and co-author collaborative writing activities. In this chapter, the results are discussed based on the findings presented in Chapter 4.

### 5.1 Results

# 5.1.1 General Publication Trends and Bibliometric Profiles of Research Documents and Journals

The result of the general publication trends and bibliometric profiles of publications included the distribution of documents according to year, according to each index, according to journals grouped by the 5-Year Impact Factor (5-YIF) and according to authors' institution type. Figure 4.1 showed the clear effect of the Web of Science' enlargement decision. After 2006, the number of articles increased incrementally; on the other hand, after 2012, the number of items published started to decline. The most significant reason for this decrease was that WOS was not precisely examining all of the journals and accepted more journals following their enlargement decision, but was then forced to largely abandon that course. As mentioned previously, there were only seven journals originally, and then between 2005 and 2010 a total of 68 journals were added to the Web of Science databases (Testa, 2011).

Distribution of documents according to each index examined how the research doc-

uments were distributed between the various indexes. Academic documents were mostly indexed in the SSCI database, and secondly in the SCI database, which was as expected. On the other hand, there were also documents indexed in other databases or that had been indexed in more than one database. This result was ascribed to the eclectic nature of the educational research field.

The researcher analyzed the characteristics of the journals where Education and Educational Research articles had been published by academics affiliated to Turkey. Table4.3showed that 30% of the journals were no longer included in the JCR list. Mostly, these journals had been added to the index during the regional enlargement, yet failed to meet the necessary criteria and were subsequently removed from the index after 2012. Looking at Table A.1 in Appendix A, it is clear that three journals in the top five, in terms of numbers of articles published, were not placed on the JCR list.

Although yearly distribution of the documents showed an increase in number of publications, the quality of research emanating from Turkey was questionable as the articles had mostly been published in journals which had low or even no calculated impact value. In knowledge economy, reaching and disseminating new technology and information is considered a valuable asset. Policymakers should consider this issue and take the necessary precautions if their country wishes to be seen as well-placed in the knowledge world.

### 5.1.2 Results According to Authors' Institution

Table 4.4 showed the distribution of the authors' institutions. Accordingly, 93.61% of authors were from universities, with just 6.39% from other institutions like the Turkish Government, the Ministry of National Education, hospitals, and private companies. According to Tezcan and Yanıktepe (2006)

73.12% of the researchers in Turkey is from higher education in spite of that around 40% of researcher in EU-25 (Science and technology in Europe, 2006, ISSN 1725-5821, Office for Official Publications of the European Communities). Comparing the values between EU-25 and TR, It is obvious that the number of researchers in private sectors in TR is quite lower than EU-25. This is because of the low level of awareness for science and technology within private sector. Parallel to this, the companies are not

considering the R&D and innovation activities as their major source of competitiveness. (p. 273)

In the current study, from the field of education, the percentage of researchers from the private sector, the MoNE, or the Turkish Government was found to be much less than reported by Tezcan and Yanıktepe (2006). In the private sector, Table 4.5 showed how small the impact was of foundation universities in the educational research field between 1968 and 2015 when compared to that of the state universities, with only 1,106 out of 13,457 researchers affiliated to foundation (private) universities. However, the Author/Article ratio, which represents the number of authors per article, showed that foundation university researchers worked on publication writing more than researchers from state universities.

Table 4.6 showed that the top four universities were located in Ankara, indicating that the heart of the educational research field in Turkey is based in Ankara. One reason for this may be that the Ministry of National Education (MoNE) is situated in Ankara, which perhaps helped researchers to conduct their research easier and to follow-up applications for research permission more readily. The Higher Education Law, which was enacted on November 6, 1981 (Law No: 2547), moved teacher education away from the MoNE to the responsibility of universities. Also, most of these top 15 academic research producing universities were considered to be important resources of teacher training prior to 1982, and this state of affairs is still largely the case.

# 5.1.3 Bibliometric Profile of Journals Originating from the Top 15 Universities and CEIT Departments

Journals most preferred by the top 15 universities and CEIT departments addressed the bibliographic profile of the journals published from the Top 15 Universities and CEIT departments, in terms of the volume of academic research published. Analysis showed that in both cases, the publications were limited to a low number of journals and that the impact values of those journals were either low, had a zero impact value, or were journals having since been removed from the JCR listing. Out of 40 countries, Turkey was placed fifth in terms of the number of articles published in the field of instructional design and technology between 2007 and 2017 (Bodily, Leary, & West, 2019).

Actually, the overall trend for Turkey in the educational research field has seen an impressive improvement in numerical terms. Incentive programs that have focused more on the quantity of articles rather than their quality can clearly be seen. On the other hand, as shown in Figure ??, after 2012, a downward trend has been seen in the numbers of articles being published. In order to halt this downward trend, policymakers should take the necessary action in order to improve not only the quantity, but also the quality of the articles being published by academicians in Turkey.

### 5.1.4 Collaboration

Collaboration trends among researchers related to collaborative research patterns in the education and educational research subject field in Turkey. According to Yetkin et al. (2015a), the top three countries which cooperated academically with Turkey in the social sciences field between 2010 and 2015 were the United States of America, the United Kingdom, and the Netherlands.

Distribution of co-authorship by country showed that in the Education and Educational Research subject area, this trend has not changed. Table 4.9 showed that the top three most common sources of co-authors in the current study were from the United States of America, the United Kingdom, and from Germany, with the Netherlands in fourth place. It is important to note that the report by Yetkin et al. (2015b) also stated that 15.73% of scientific publications in the social sciences had been produced with the cooperation of other countries. However, in the current study, for the education and educational research subject field, only 9.1% of the articles were prepared with the cooperation with authors from countries other than Turkey.

### 5.2 Limitation of the Study

Bibliometric studies always effected from the advers effects of bibliometry. These adverse effect listed in Section. 2.5 as

- Publishing in Journals that Count
- Salami Publishing and Self-Plagiarism
- Honorary Authorship
- Self-citations
- Increasing the Journal Impact Factor
- Cumulative or Personal Impact Factors

In addition to these adverse effects, the researcher's productivity is also affected by the academic load of academicians, number of different courses given by one academician, number of academic staff in the faculty, their motivations, etc. Please consider this data with the lenses which we believe these issues have great impact on researchers' productivity. The current study are not taking into account all these aspects. Only the number of articles were used when determining productive universities and departments.

### 5.3 Suggestions for Further Research

In the current study, citation data were excluded from the research design scope. Based on this, the international impact of the published articles was not analyzed in the current study, with the data having been descriptively examined only. Including citation data would provide additional information about the impact of the educational articles originating from Turkey. Moreover, in the current research, other bibliometrical sources such as Scopus or Google Scholar were purposely excluded (see Section 3.3). These have become more widely used in recent years, and it could therefore be suggested to conduct the same research also including the other bibliometric sources in order to show a more comprehensive picture of educational research trends in Turkey.

In addition, the researcher grouped the published articles according to the authors' stated departmental affiliations, and analyzed only 346 articles which originated from CEIT departments. Due to research time restraints, the researcher was unable to apply

text mining methods, instead relying upon the raw data extracted from the indexing databases, albeit with a certain degree of data cleansing applied (see Section 3.6). It was clear that some authors had not affiliated their departments. Therefore, further research using text mining methods to improve the classification of instructional technology-related articles would likely produce a more accurate analysis about the current instructional technology research trends in Turkey.

Finally, in addition to considering the use of text mining techniques, it could also be pertinent to conduct content analysis along with text mining methods in order to analyze the research design patterns to highlight researchers' academic tendencies in their studies of the instructional design field.

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#### Appendix A

### **APPENDIX** A

Table A.1presents the list of journals that were searched for articles originating from Turkey. The "# of Articles" column indicates the total number of articles published in the respective journals between 1968 and 2015. Table A.1 also shows the JCR 2017 values for 5-year Impact Factor (5-YIF), Journal Impact Factor (JIF), and Article Influence Score (AIS).

The use of "-" indicates a journal not included in the JCR 2017 list.

ISSN	Journal Title	# of Article	5-YIF	JIF	AIS
1303-0485	EDUCATIONAL SCIENCES-THEORY & PRACTICE	825	.782	.532	.099
1300-1337	EGITIM VE BILIM-EDUCATION AND SCIENCE	735	.455	.352	.048
1303-0485	KURAM VE UYGULAMADA EĞİTİM BİLİMLERİ	711	.782	.532	.099
1300-5340	HACETTEPE UNIVERSITESI EGITIM FAKULTESI DERGISI-HACETTEPE UNIVERSITY JOUR-	665	-	-	-
	NAL OF EDUCATION				
1308-7711	ENERGY EDUCATION SCIENCE AND TECHNOLOGY PART B-SOCIAL AND EDUCATIONAL	330	-	-	-
	STUDIES				
1302-597X	EGITIM ARASTIRMALARI-EURASIAN JOURNAL OF EDUCATIONAL RESEARCH	322	-	-	-
1648-3898	JOURNAL OF BALTIC SCIENCE EDUCATION	132	.617	.638	.07
1303-6521	TURKISH ONLINE JOURNAL OF EDUCATIONAL TECHNOLOGY	116	-	-	-
0360-1315	COMPUTERS & EDUCATION	98	5.568	4.538	1.023
1061-3773	COMPUTER APPLICATIONS IN ENGINEERING EDUCATION	95	.973	1.153	.101
1305-8215	EURASIA JOURNAL OF MATHEMATICS SCIENCE AND TECHNOLOGY EDUCATION	88	-	-	-
2146-7242	TURKISH ONLINE JOURNAL OF EDUCATIONAL TECHNOLOGY	67	-	-	-
1436-4522	EDUCATIONAL TECHNOLOGY & SOCIETY	59	2.326	1.767	.42
1732-6729	NEW EDUCATIONAL REVIEW	56	-	-	-
0950-0693	INTERNATIONAL JOURNAL OF SCIENCE EDUCATION	54	1.936	1.325	.496
0949-149X	INTERNATIONAL JOURNAL OF ENGINEERING EDUCATION	52	.663	.575	.1
0260-6917	NURSE EDUCATION TODAY	51	2.434	2.067	.439
1513-7368	ASIAN PACIFIC JOURNAL OF CANCER PREVENTION	50	-	-	-
1848-5189	CROATIAN JOURNAL OF EDUCATION-HRVATSKI CASOPIS ZA ODGOJ I OBRAZOVANJE	47	.182	.158	.022
1109-4028	CHEMISTRY EDUCATION RESEARCH AND PRACTICE	41	1.846	1.621	.395
1059-0145	JOURNAL OF SCIENCE EDUCATION AND TECHNOLOGY	40	1.84	1.375	.488
1598-1037	ASIA PACIFIC EDUCATION REVIEW	40	.89	.861	.166
1571-0068	INTERNATIONAL JOURNAL OF SCIENCE AND MATHEMATICS EDUCATION	37	1.314	1.086	.328
0021-9584	JOURNAL OF CHEMICAL EDUCATION	35	1.57	1.758	.202
0007-1013	BRITISH JOURNAL OF EDUCATIONAL TECHNOLOGY	33	3.142	2.729	.559
0157-244X	RESEARCH IN SCIENCE EDUCATION	33	1.914	1.568	.525
			Cor	ntinued on n	ext page

ISSN	Journal Title	# of Article	5-YIF	JIF	AIS
0119-5646	ASIA-PACIFIC EDUCATION RESEARCHER	30	.753	.633	.15
0020-7209	INTERNATIONAL JOURNAL OF ELECTRICAL ENGINEERING EDUCATION	29	.383	.593	.05
0261-9768	EUROPEAN JOURNAL OF TEACHER EDUCATION	28	1.724	1.239	.28
0143-0807	EUROPEAN JOURNAL OF PHYSICS	27	.701	.642	.17
0738-0593	INTERNATIONAL JOURNAL OF EDUCATIONAL DEVELOPMENT	26	1.677	1.403	.47
0305-5698	EDUCATIONAL STUDIES	26	.93	.629	.21
0742-051X	TEACHING AND TEACHER EDUCATION	25	3.335	2.473	.6
0346-251X	SYSTEM	25	1.826	1.547	.42
0033-2941	PSYCHOLOGICAL REPORTS	25	.933	.667	.26
1492-3831	INTERNATIONAL REVIEW OF RESEARCH IN OPEN AND DISTANCE LEARNING	23	2.609	1.826	.35
0031-5125	PERCEPTUAL AND MOTOR SKILLS	23	.826	.703	.20
0885-8195	JOURNAL OF CANCER EDUCATION	22	1.628	1.547	.4
0041-1345	TRANSPLANTATION PROCEEDINGS	20	.938	.806	.24
0022-0671	JOURNAL OF EDUCATIONAL RESEARCH	19	1.951	1.239	.50
0018-9359	IEEE TRANSACTIONS ON EDUCATION	19	1.88	1.6	.40
1037-2911	AUSTRALIAN JOURNAL OF GUIDANCE AND COUNSELLING	18	-		-
2154-1647	EDUCATION AND TRAINING IN AUTISM AND DEVELOPMENTAL DISABILITIES	18	1.294	1	.30
0263-5143	RESEARCH IN SCIENCE & TECHNOLOGICAL EDUCATION	18	1.129	.513	.28
0256-0100	SOUTH AFRICAN JOURNAL OF EDUCATION	18	.915	.74	.20
0041-4301	TURKISH JOURNAL OF PEDIATRICS	18	.526	.187	.05
0957-7572	INTERNATIONAL JOURNAL OF TECHNOLOGY AND DESIGN EDUCATION	16	1.257	1.339	.21
0022-0337	JOURNAL OF DENTAL EDUCATION	16	1.235	1.102	.21
1547-0350	EDUCATION AND TRAINING IN DEVELOPMENTAL DISABILITIES	15	-	-	-
0022-4308	JOURNAL OF RESEARCH IN SCIENCE TEACHING	15	4.132	3.21	1.3
0002-9505	AMERICAN JOURNAL OF PHYSICS	15	1.162	1.034	.35
0021-9266	JOURNAL OF BIOLOGICAL EDUCATION	15	.898	.633	.2
1476-8062	INTERNATIONAL JOURNAL OF ART & DESIGN EDUCATION	15	.687	.339	.09
0142-159X	MEDICAL TEACHER	14	2.871	2.45	.83
0018-1560	HIGHER EDUCATION	14	2.659	1.937	.58
1362-5187	EUROPEAN JOURNAL OF CONTRACEPTION AND REPRODUCTIVE HEALTH CARE	14	1.557	1.558	.57
0735-6331	JOURNAL OF EDUCATIONAL COMPUTING RESEARCH	14	1.321	1.234	.29
1449-3098	AUSTRALASIAN JOURNAL OF EDUCATIONAL TECHNOLOGY	13	-	-	-
1302-9967	CUKUROVA UNIVERSITY FACULTY OF EDUCATION JOURNAL	13	-	-	-
1835-517X	AUSTRALIAN JOURNAL OF TEACHER EDUCATION	13	-	-	-
1328-8067	PEDIATRICS INTERNATIONAL	13	.977	.86	.28
0379-5284	SAUDI MEDICAL JOURNAL	13	.96	1.055	.20
1049-2275	JOURNAL OF CRANIOFACIAL SURGERY	13	.861	.772	.21
1471-2458	BMC PUBLIC HEALTH	12	3.039	2.42	.95
0891-4222	RESEARCH IN DEVELOPMENTAL DISABILITIES	12	2.344	1.82	.6
0951-0893	ELT JOURNAL	12	1.486	1.276	.28
0165-5876	INTERNATIONAL JOURNAL OF PEDIATRIC OTORHINOLARYNGOLOGY	12	1.422	1.305	.39
0926-7220	SCIENCE & EDUCATION	12	1.066	1.265	.28
0001-8449	ADOLESCENCE	11	-	-	-
0036-8326	SCIENCE EDUCATION	11	4.367	3.035	1.2
1043-4046	ADVANCES IN PHYSIOLOGY EDUCATION	11	2.248	1.981	.52
0962-1067	JOURNAL OF CLINICAL NURSING	11	1.98	1.635	.48
0360-1277	EDUCATIONAL GERONTOLOGY	11	.927	.674	.20
1750-9467	RESEARCH IN AUTISM SPECTRUM DISORDERS	10	2.499	1.675	.20
1049-4820	INTERACTIVE LEARNING ENVIRONMENTS	10	1.722	1.604	.74
1049-4820 1350-293X	EUROPEAN EARLY CHILDHOOD EDUCATION RESEARCH JOURNAL	10	1.322	1.004	.20
0030-9982	JOURNAL OF THE PAKISTAN MEDICAL ASSOCIATION	10	.82	.723	.17
017-995X	ACTA ORTHOPAEDICA ET TRAUMATOLOGICA TURCICA	10	.723	.637	.19
0266-4909	JOURNAL OF COMPUTER ASSISTED LEARNING	9	3.055	1.859	.6
1042-1629	ETR&D-EDUCATIONAL TECHNOLOGY RESEARCH AND DEVELOPMENT	9	2.396	1.728	.49
0969-7330	NURSING ETHICS	9	2.199	1.876	.43
0020-8132	INTERNATIONAL NURSING REVIEW	9	1.898	1.496	.40
1470-3297	INNOVATIONS IN EDUCATION AND TEACHING INTERNATIONAL	9	1.23	1.106	
0020-739X	International Journal of Mathematical Education in Science and Technology	8	-	-	-
2146-796X	YUKSEKOGRETIM DERGISI	8	-	-	-
0350-6134	COLLEGIUM ANTROPOLOGICUM	8	_	_	

ISSN	Journal Title	# of Article	5-YIF	JIF	AIS
1350-4622	ENVIRONMENTAL EDUCATION RESEARCH	8	3.027	2.595	.44
0010-440X	COMPREHENSIVE PSYCHIATRY	8	2.526	2.128	.73
0958-8221	COMPUTER ASSISTED LANGUAGE LEARNING	8	2.366	1.928	.46
0020-7594	INTERNATIONAL JOURNAL OF PSYCHOLOGY	8	2.287	1.867	.71
1741-1432	EDUCATIONAL MANAGEMENT ADMINISTRATION & LEADERSHIP	8	1.893	1.542	.27
0144-3410	EDUCATIONAL PSYCHOLOGY	8	1.817	1.344	.53
0033-3506	PUBLIC HEALTH	8	1.752	1.441	.56
1356-2517	TEACHING IN HIGHER EDUCATION	8	1.719	1.316	.35
0353-9504	CROATIAN MEDICAL JOURNAL	8	1.563	1.422	.43
0040-8727	TOHOKU JOURNAL OF EXPERIMENTAL MEDICINE	8	1.502	1.422	.43
0307-4412	BIOCHEMICAL EDUCATION	7	-	-	.57
			-		-
1459-0255	JOURNAL OF FOOD AGRICULTURE & ENVIRONMENT	7	-	-	-
0738-3991	PATIENT EDUCATION AND COUNSELING	7	3.311	2.785	.99
0138-9130	SCIENTOMETRICS	7	2.389	2.173	.50
0022-3980	JOURNAL OF PSYCHOLOGY	7	2.282	1.519	.68
1354-0602	TEACHERS AND TEACHING	7	2.103	2.378	.41
0272-7757	ECONOMICS OF EDUCATION REVIEW	7	1.981	1.293	1.13
0301-2115	EUROPEAN JOURNAL OF OBSTETRICS GYNECOLOGY AND REPRODUCTIVE BIOLOGY	7	1.958	1.809	.56
0020-6539	INTERNATIONAL DENTAL JOURNAL	7	1.72	1.389	.40
0969-9546	EUROPEAN JOURNAL OF EMERGENCY MEDICINE	7	1.587	1.729	.46
1040-1334	TEACHING AND LEARNING IN MEDICINE	7	1.4	1.292	.51
0021-9320	JOURNAL OF BIOSOCIAL SCIENCE	7	1.314	1.217	.42
1846-1204	ODGOJNE ZNANOSTI-EDUCATIONAL SCIENCES	6	-	-	-
0043-3144	WEST INDIAN MEDICAL JOURNAL	6	-	-	-
1527-6546	JOURNAL OF NURSING SCHOLARSHIP	6	3.036	2.662	.75
1064-8011	JOURNAL OF STRENGTH AND CONDITIONING RESEARCH	6	2.694	2.325	.55
1525-5050	EPILEPSY & BEHAVIOR	6	2.655	2.6	.66
0165-1781	PSYCHIATRY RESEARCH	6	2.572	2.223	.00
0167-4943	ARCHIVES OF GERONTOLOGY AND GERIATRICS	6	2.449	2.225	.68
1462-3889	EUROPEAN JOURNAL OF ONCOLOGY NURSING	6	2.286	1.812	.68
0020-7292	INTERNATIONAL JOURNAL OF GYNECOLOGY & OBSTETRICS	6	2.043	2.072	.67
1359-866X	ASIA-PACIFIC JOURNAL OF TEACHER EDUCATION	6	1.582	1.032	.24
0013-1881	EDUCATIONAL RESEARCH	6	1.5	1.566	.38
1473-8376	JOURNAL OF HOSPITALITY LEISURE SPORT & TOURISM EDUCATION	6	1.468	1.265	.1
0013-1954	EDUCATIONAL STUDIES IN MATHEMATICS	6	1.438	1.1	.23
1360-3116	INTERNATIONAL JOURNAL OF INCLUSIVE EDUCATION	6	1.281	1.144	.23
0017-8969	HEALTH EDUCATION JOURNAL	6	1.085	1.008	.2
1470-8175	BIOCHEMISTRY AND MOLECULAR BIOLOGY EDUCATION	6	1.013	1.036	.21
0896-3746	INFANTS AND YOUNG CHILDREN	6	.966	.667	.25
0125-1562	SOUTHEAST ASIAN JOURNAL OF TROPICAL MEDICINE AND PUBLIC HEALTH	6	.864	.817	.20
1306-696X	ULUSAL TRAVMA VE ACIL CERRAHI DERGISI-TURKISH JOURNAL OF TRAUMA & EMER- GENCY SURGERY	6	.635	.525	.13
2051-0969	JOURNAL FOR CRITICAL EDUCATION POLICY STUDIES	5	-	-	-
0013-1237	EDUCATION AND TRAINING IN DEVELOPMENTAL DISABILITIES	5	-	-	-
1096-7516	INTERNET AND HIGHER EDUCATION	5	6.571	5.847	1.2
2152-2715	CYBERPSYCHOLOGY BEHAVIOR AND SOCIAL NETWORKING	5	3.948	2.689	1.0
0905-6157	PEDIATRIC ALLERGY AND IMMUNOLOGY	5	3.816	4.137	1.0
0145-2134	CHILD ABUSE & NEGLECT	5	3.583	2.899	1.0
0958-3440	RECALL	5	3.444	2.206	.81
0885-2006	EARLY CHILDHOOD RESEARCH QUARTERLY	5	3.415	2.364	1.1
0933-7954	SOCIAL PSYCHIATRY AND PSYCHIATRIC EPIDEMIOLOGY	5	3.215	2.918	1.0
0741-238X	ADVANCES IN THERAPY	5	2.97	3.085	.83
0039-8322	TESOL QUARTERLY	5	2.828	2.256	.94
0273-5024	JOURNAL OF TEACHING IN PHYSICAL EDUCATION	5	2.658	1.731	.35
0020-4277	INSTRUCTIONAL SCIENCE	5	2.62	1.922	.82
0886-2605	JOURNAL OF INTERPERSONAL VIOLENCE	5	2.511	2.443	.79
0260-2938	ASSESSMENT & EVALUATION IN HIGHER EDUCATION	5	2.358	1.877	.39
0162-220X	CANCER NURSING	5	2.29	1.844	.7
1931-7204	JOURNAL OF SURGICAL EDUCATION	5	2.286	2.302	.78
	INTERNATIONAL JOURNAL OF ORAL AND MAXILLOFACIAL SURGERY	5	2.235	2.164	.58

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0022-4391	JOURNAL OF SCHOOL HEALTH	5	2.172	1.935	.624
)340-6199	EUROPEAN JOURNAL OF PEDIATRICS	5	2.106	2.242	.657
)305-0068	COMPARATIVE EDUCATION	5	2.034	1.579	.561
1871-1871	THINKING SKILLS AND CREATIVITY	5	1.951	1.333	.37
1472-6920	BMC MEDICAL EDUCATION	5	1.938	1.511	.529
1441-0745	NURSING & HEALTH SCIENCES	5	1.929	1.237	.454
0301-0546	ALLERGOLOGIA ET IMMUNOPATHOLOGIA	5	1.726	1.644	.411
0020-7454	INTERNATIONAL JOURNAL OF NEUROSCIENCE	5	1.71	1.848	.434
0148-4834	JOURNAL OF NURSING EDUCATION	5	1.523	1.185	.302
0883-9417	ARCHIVES OF PSYCHIATRIC NURSING	5	1.45	1.133	.37
0022-1198	JOURNAL OF FORENSIC SCIENCES	5	1.381	1.184	.384
0042-1138	UROLOGIA INTERNATIONALIS	5	1.359	1.508	.30
1396-5883	EUROPEAN JOURNAL OF DENTAL EDUCATION	5	1.35	1.343	.25
1322-7114	INTERNATIONAL JOURNAL OF NURSING PRACTICE	5	1.306	1.142	.30
015-718X	FOREIGN LANGUAGE ANNALS	5	1.286	.802	.30
378-7346	GYNECOLOGIC AND OBSTETRIC INVESTIGATION	5	1.255	1.183	.36
1052-3928	JOURNAL OF PROFESSIONAL ISSUES IN ENGINEERING EDUCATION AND PRACTICE	5	1.251	1.313	.18
1059-8405	JOURNAL OF SCHOOL NURSING	5	1.251	1.446	.35
748-321X	JOURNAL OF VETERINARY MEDICAL EDUCATION	5	1.209	.85	.16
1210-7778	CENTRAL EUROPEAN JOURNAL OF PUBLIC HEALTH	5	.958	.8	.22
138-7416	SPANISH JOURNAL OF PSYCHOLOGY	5	.944	.629	.26
1682-3206	EDUCATION AS CHANGE	5	.6	.518	.1
697-7467	PORTA LINGUARUM	5	.559	.457	.07
)374-9096	MIKROBIYOLOJI BULTENI	5	.546	.493	.09
1079-2104	ORAL SURGERY ORAL MEDICINE ORAL PATHOLOGY ORAL RADIOLOGY AND ENDODON-	4	-	-	-
	TOLOGY				
)969-7950	BRITISH JOURNAL OF DEVELOPMENTAL DISABILITIES	4	-	-	-
302-8723	ANADOLU KARDIYOLOJI DERGISI-THE ANATOLIAN JOURNAL OF CARDIOLOGY	4	-	-	-
260-9991	JOURNAL OF ART & DESIGN EDUCATION	4	-	-	-
0300-4279	EDUCATION 3-13	4	-	-	-
1094-9313	CYBERPSYCHOLOGY & BEHAVIOR	4	-	-	-
0308-0110	MEDICAL EDUCATION	4	4.883	4.405	1.66
148-396X	NEUROSURGERY	4	4.248	4.475	1.3
)195-6663	APPETITE	4	3.691	3.174	.98
134-3478	COMUNICAR	4	3.285	2.838	.28
1382-4996	ADVANCES IN HEALTH SCIENCES EDUCATION	4	3.234	2.552	1.1
1368-9800	PUBLIC HEALTH NUTRITION	4	3.05	2.485	.93
1556-1607	INTERNATIONAL JOURNAL OF COMPUTER-SUPPORTED COLLABORATIVE LEARNING	4	2.903	3.273	.53
309-2402	JOURNAL OF ADVANCED NURSING	4	2.759	2.267	.68
0741-9325	REMEDIAL AND SPECIAL EDUCATION	4	2.709	1.648	.86
323-1316	PSYCHIATRY AND CLINICAL NEUROSCIENCES	4	2.66	3.199	.74
0882-2786	INTERNATIONAL JOURNAL OF ORAL & MAXILLOFACIAL IMPLANTS	4	2.626	1.699	.7
660-4601	INTERNATIONAL JOURNAL OF ENVIRONMENTAL RESEARCH AND PUBLIC HEALTH	4	2.608	2.145	.65
0889-5406	AMERICAN JOURNAL OF ORTHODONTICS AND DENTOFACIAL ORTHOPEDICS	4	2.461	1.842	.64
0022-0973	JOURNAL OF EXPERIMENTAL EDUCATION	4	2.451	1.867	.93
362-4393	SPINAL CORD	4	2.438	1.936	.60
0305-1862	CHILD CARE HEALTH AND DEVELOPMENT	4	2.346	1.699	.69
1878-8750	WORLD NEUROSURGERY	4	2.326	1.924	.58
963-8288	DISABILITY AND REHABILITATION	4	2.277	2.042	.63
267-6583	SECOND LANGUAGE RESEARCH	4	2.137	1.239	.8
475-1585	JOURNAL OF ENGLISH FOR ACADEMIC PURPOSES	4	2.093	1.42	.60
268-1153	HEALTH EDUCATION RESEARCH	4	2.054	1.479	.68
278-2391	JOURNAL OF ORAL AND MAXILLOFACIAL SURGERY	4	1.948	1.779	.50
091-8369	JOURNAL OF HOMOSEXUALITY	4	1.874	1.277	.5
172-8172	RHEUMATOLOGY INTERNATIONAL	4	1.803	1.952	.51
475-939X	TECHNOLOGY PEDAGOGY AND EDUCATION	4	1.735	1.58	.28
475-333A	CLINICAL ANATOMY	4	1.67	1.908	.20
	EUROPEAN ARCHIVES OF OTO-RHINO-LARYNGOLOGY	4	1.647	1.546	.43
937-4477		-7	1.04/	1.540	.+.)
)937-4477 )267-1522	RESEARCH PAPERS IN EDUCATION	4	1.584	1.475	.38

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0271-1214	TOPICS IN EARLY CHILDHOOD SPECIAL EDUCATION	4	1.538	1.125	
0885-6257	EUROPEAN JOURNAL OF SPECIAL NEEDS EDUCATION	4	1.244	.851	
0033-6572	QUINTESSENCE INTERNATIONAL	4	1.203	1.088	
0026-4075	MILITARY MEDICINE	4	1.19	.782	
0311-6999	AUSTRALIAN EDUCATIONAL RESEARCHER	4	1.11	1.104	
1344-6304	JAPANESE JOURNAL OF INFECTIOUS DISEASES	4	1.095	1.014	
0255-7614	INTERNATIONAL JOURNAL OF MUSIC EDUCATION	4	1.074	.877	
1602-1622	ORAL HEALTH & PREVENTIVE DENTISTRY	4	1.054	.96	
0099-1767	JOURNAL OF EMERGENCY NURSING	4	1.046	.662	
0333-7308	ISRAEL JOURNAL OF PSYCHIATRY AND RELATED SCIENCES	4	.872	.431	
1019-5149	TURKISH NEUROSURGERY	4	.846	.775	
		4			
0027-9684	JOURNAL OF THE NATIONAL MEDICAL ASSOCIATION		.839	.477	
1300-2163	TURK PSIKIYATRI DERGISI	4	.771	.548	
1534-8458	JOURNAL OF LANGUAGE IDENTITY AND EDUCATION	4	.721	.511	
0049-4755	TROPICAL DOCTOR	4	.642	.565	
1684-5315	AFRICAN JOURNAL OF BIOTECHNOLOGY	3	-	-	
1837-6290	ISSUES IN EDUCATIONAL RESEARCH	3	-	-	
1537-744X	THESCIENTIFICWORLDJOURNAL	3	-	-	
0302-2838	EUROPEAN UROLOGY	3	15.655	17.581	
0959-4752	LEARNING AND INSTRUCTION	3	5.695	3.967	
0048-9697	SCIENCE OF THE TOTAL ENVIRONMENT	3	4.984	4.61	
0333-1024	CEPHALALGIA	3	4.971	3.886	
0009-921X	CLINICAL ORTHOPAEDICS AND RELATED RESEARCH	3	4.273	4.091	
0004-0002	ARCHIVES OF SEXUAL BEHAVIOR	3	3.626	3.223	
1129-2369	JOURNAL OF HEADACHE AND PAIN	3	3.586	3.403	
0022-3492	JOURNAL OF PERIODONTOLOGY	3	3.522	3.392	
8750-7587	JOURNAL OF APPLIED PHYSIOLOGY	3	3.465	3.256	
1007-9327	WORLD JOURNAL OF GASTROENTEROLOGY	3	3.387	3.3	
0023-8333	LANGUAGE LEARNING	3	3.297	1.655	
0143-2885	INTERNATIONAL ENDODONTIC JOURNAL	3	3.251	3.015	
0378-5122	MATURITAS	3	3.244	3.315	
1072-4133	EUROPEAN EATING DISORDERS REVIEW	3	3.235	3.201	
0017-8748	HEADACHE	3	2.993	3.091	
1072-3714	MENOPAUSE-THE JOURNAL OF THE NORTH AMERICAN MENOPAUSE SOCIETY	3	2.98	2.673	
1101-1262	EUROPEAN JOURNAL OF PUBLIC HEALTH	3	2.902	2.782	
0031-6970	EUROPEAN JOURNAL OF CLINICAL PHARMACOLOGY	3	2.841	2.679	
1053-8569	PHARMACOEPIDEMIOLOGY AND DRUG SAFETY	3	2.838	2.314	
0023-852X	LARYNGOSCOPE	3	2.583	2.442	
0002-8177	JOURNAL OF THE AMERICAN DENTAL ASSOCIATION	3	2.52	2.486	
0094-730X	JOURNAL OF FLUENCY DISORDERS	3	2.508	1.727	
0009-9120	CLINICAL BIOCHEMISTRY	3	2.445	2.584	
1356-336X	EUROPEAN PHYSICAL EDUCATION REVIEW	3	2.413	2.422	
0300-9734	UPSALA JOURNAL OF MEDICAL SCIENCES	3	2.355	1.971	
0022-3913	JOURNAL OF PROSTHETIC DENTISTRY	3	2.352	2.347	
1368-5031	INTERNATIONAL JOURNAL OF CLINICAL PRACTICE	3	2.35	2.5 17	
0744-8481	JOURNAL OF AMERICAN COLLEGE HEALTH	3	2.313	1.326	
1973-9087	EUROPEAN JOURNAL OF PHYSICAL AND REHABILITATION MEDICINE	3	2.28	2.208	
	FORENSIC SCIENCE INTERNATIONAL	3		1.974	
0379-0738			2.271		
0266-6138	MIDWIFERY	3	2.262	1.787	
1081-4159	JOURNAL OF DEAF STUDIES AND DEAF EDUCATION	3	2.216	1.611	
0919-8172	INTERNATIONAL JOURNAL OF UROLOGY	3	2.097	1.941	
1472-0205	EMERGENCY MEDICINE JOURNAL	3	2.007	2.046	
1478-5951	INTERNATIONAL JOURNAL OF MEDICAL ROBOTICS AND COMPUTER ASSISTED SURGERY	3	1.95	1.472	
0032-5473	POSTGRADUATE MEDICAL JOURNAL	3	1.941	2.078	
1606-0997	JOURNAL OF HEALTH POPULATION AND NUTRITION	3	1.88	1.532	
0026-4695	MINERVA	3	1.873	1.784	
0940-9602	ANNALS OF ANATOMY-ANATOMISCHER ANZEIGER	3	1.865	1.852	
1449-5554	AUSTRALASIAN JOURNAL OF EDUCATIONAL TECHNOLOGY	3	1.818	1.396	
1040-9289	EARLY EDUCATION AND DEVELOPMENT	3	1.804	1.377	

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0363-0242	WOMEN & HEALTH	3	1.72	1.307	.596
1087-2981	MEDICAL EDUCATION ONLINE	3	1.693	1.44	.5
0161-4681	TEACHERS COLLEGE RECORD	3	1.688	1.072	.606
0036-5564	SCANDINAVIAN JOURNAL OF PSYCHOLOGY	3	1.657	1.331	.498
0022-4545	JOURNAL OF SOCIAL PSYCHOLOGY	3	1.645	1.227	.5
0301-486X	MYCOPATHOLOGIA	3	1.641	1.476	.380
0301-4460	ANNALS OF HUMAN BIOLOGY	3	1.611	1.531	.520
0734-0664	GERODONTOLOGY	3	1.603	1.439	.409
0967-5868	JOURNAL OF CLINICAL NEUROSCIENCE	3	1.573	1.64	.44
0955-9930	INTERNATIONAL JOURNAL OF IMPOTENCE RESEARCH	3	1.495	1.517	.404
0342-5282	INTERNATIONAL JOURNAL OF REHABILITATION RESEARCH	3	1.485	1.432	.38
0748-1187	DEATH STUDIES	3	1.472	1.16	.39
1359-8139	HIGH ABILITY STUDIES	3	1.388	.92	.24
0256-7040	CHILDS NERVOUS SYSTEM	3	1.325	1.235	.37
1107-0625	JOURNAL OF BUON	3	1.321	1.766	.22
0022-4707	JOURNAL OF SPORTS MEDICINE AND PHYSICAL FITNESS	3	1.3	1.12	.33
0142-6338	JOURNAL OF TROPICAL PEDIATRICS	3	1.27	1.187	.41:
0269-9206	CLINICAL LINGUISTICS & PHONETICS	3	1.256	1.191	.35
1341-8076	JOURNAL OF OBSTETRICS AND GYNAECOLOGY RESEARCH	3	1.243	1.091	.32
0737-1209	PUBLIC HEALTH NURSING	3	1.202	1.163	.31
1053-8127	JOURNAL OF BACK AND MUSCULOSKELETAL REHABILITATION	3	1.184	.982	.28
0253-7613	INDIAN JOURNAL OF PHARMACOLOGY	3	1.182	.902	.24
1538-2931	CIN-COMPUTERS INFORMATICS NURSING	3	1.13	1.056	.25
0091-2174	INTERNATIONAL JOURNAL OF PSYCHIATRY IN MEDICINE	3	1.108	.681	.30
1753-8157	INFORMATICS FOR HEALTH & SOCIAL CARE	3	1.102	1.137	.26
1077-4114	JOURNAL OF PEDIATRIC HEMATOLOGY ONCOLOGY	3	1.088	1.06	.32
0260-7476	JOURNAL OF EDUCATION FOR TEACHING	3	1.084	.911	.22
0736-8046	PEDIATRIC DERMATOLOGY	3	1.081	1.041	.31
591-996X	EUROPEAN JOURNAL OF PAEDIATRIC DENTISTRY	3	.969	.893	.20
0013-1857	EDUCATIONAL PHILOSOPHY AND THEORY	3	.968	.864	.19
0895-7347	APPLIED MEASUREMENT IN EDUCATION	3	.896	.864	.38
0332-3315	IRISH EDUCATIONAL STUDIES	3	.868	.405	.24
0039-3746	STUDIES IN PHILOSOPHY AND EDUCATION	3	.734	.618	.19
1300-0144	TURKISH JOURNAL OF MEDICAL SCIENCES	3	.605	.641	.12
0738-7989	JOURNAL OF MATERIALS EDUCATION	3	.603	.5	.10
2047-3869	INTERNATIONAL JOURNAL OF DEVELOPMENTAL DISABILITIES	3	.55	.5	.17
0002-7685	AMERICAN BIOLOGY TEACHER	3	.338	.271	.05
1015-8146	GENETIC COUNSELING	3	.275	.14	.10
0883-0355	INTERNATIONAL JOURNAL OF EDUCATIONAL RESEARCH	3	0	1.138	0
0044-0728	YOUNG CHILDREN	2	_	_	_
0353-1392	DIDACTICA SLOVENICA-PEDAGOSKA OBZORJA	2	-	-	-
2334-9182	JOURNAL OF TEACHING ENGLISH FOR SPECIFIC AND ACADEMIC PURPOSES	2	-	-	-
0090-3019	SURGICAL NEUROLOGY	2	-	-	-
0012-835X	EAST AFRICAN MEDICAL JOURNAL	2	-	-	-
0145-6296	VETERINARY AND HUMAN TOXICOLOGY	2	-	-	-
0020-8566	INTERNATIONAL REVIEW OF EDUCATION	2	-	-	-
0928-1231	PHARMACY WORLD & SCIENCE	2	-	-	-
0306-3674	BRITISH JOURNAL OF SPORTS MEDICINE	2	7.462	7.867	2.07
0300-9572	RESUSCITATION	2	5.244	5.863	1.4
0954-7894	CLINICAL AND EXPERIMENTAL ALLERGY	2	4.887	5.158	1.4
0022-4871	JOURNAL OF TEACHER EDUCATION	2	4.787	3.18	1.24
022-7489	INTERNATIONAL JOURNAL OF NURSING STUDIES	2	4.32	3.656	1.2
362-3613	AUTISM	2	4.297	3.906	1.3
464-4096	BJU INTERNATIONAL	2	3.915	4.688	1.1
038-0407	SOCIOLOGY OF EDUCATION	2	3.832	2.9	1.1
038-0407	PREVENTIVE MEDICINE	2	3.754	3.483	1.9
018-8827	EUROPEAN CHILD & ADOLESCENT PSYCHIATRY	2	3.699	3.553	1.4
)706-7437	CANADIAN JOURNAL OF PSYCHIATRY-REVUE CANADIENNE DE PSYCHIATRIE	2	3.656	3.612	1.12
)706-7437 )899-9007	CANADIAN JOURNAL OF PSYCHIAI RY-REVUE CANADIENNE DE PSYCHIAI RIE NUTRITION	2	3.656	3.612	.92
0954-6111	RESPIRATORY MEDICINE	2	3.611	3.23	1.0

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1352-0504	JOURNAL OF VIRAL HEPATITIS	2	3.557	4.237	
0942-2056	KNEE SURGERY SPORTS TRAUMATOLOGY ARTHROSCOPY	2	3.506	3.21	
1010-7940	EUROPEAN JOURNAL OF CARDIO-THORACIC SURGERY	2	3.432	3.504	
0362-2436	SPINE	2	3.389	2.792	
0168-8227	DIABETES RESEARCH AND CLINICAL PRACTICE	2	3.168	2.548	
0885-6230	INTERNATIONAL JOURNAL OF GERIATRIC PSYCHIATRY	2	3.134	2.94	
0364-2313	WORLD JOURNAL OF SURGERY	2	3.052	2.766	
1028-3153	JOURNAL OF STUDIES IN INTERNATIONAL EDUCATION	2	3.051	2.255	
0886-3350	JOURNAL OF CATARACT AND REFRACTIVE SURGERY	2	3.037	2.68	
1661-8556	INTERNATIONAL JOURNAL OF PUBLIC HEALTH	2	3.008	2.617	
0307-5079	STUDIES IN HIGHER EDUCATION	2	2.996	2.321	
		2			
0934-0874	TRANSPLANT INTERNATIONAL	2	2.913	3.196	
1063-3995	CLINICAL PSYCHOLOGY & PSYCHOTHERAPY		2.898	2.508	
0042-0859	URBAN EDUCATION	2	2.867	2.1	
1096-6218	JOURNAL OF PALLIATIVE MEDICINE	2	2.764	2.49	
1472-6882	BMC COMPLEMENTARY AND ALTERNATIVE MEDICINE	2	2.732	2.109	
0010-7824	CONTRACEPTION	2	2.729	2.894	
0964-2633	JOURNAL OF INTELLECTUAL DISABILITY RESEARCH	2	2.723	2.026	
0385-2407	JOURNAL OF DERMATOLOGY	2	2.689	2.788	
1357-0560	MEDICAL ONCOLOGY	2	2.672	2.92	
1059-1311	SEIZURE-EUROPEAN JOURNAL OF EPILEPSY	2	2.609	2.839	
1369-7137	CLIMACTERIC	2	2.558	2.807	
1098-3007	JOURNAL OF POSITIVE BEHAVIOR INTERVENTIONS	2	2.552	2.41	
0931-041X	PEDIATRIC NEPHROLOGY	2	2.542	2.627	
0022-510X	JOURNAL OF THE NEUROLOGICAL SCIENCES	2	2.536	2.448	
1362-1688	LANGUAGE TEACHING RESEARCH	2	2.536	2.086	
0001-706X	ACTA TROPICA	2	2.525	2.509	
1018-2438	INTERNATIONAL ARCHIVES OF ALLERGY AND IMMUNOLOGY	2	2.451	2.437	
0305-182X	JOURNAL OF ORAL REHABILITATION	2	2.437	2.051	
1530-5627	TELEMEDICINE AND E-HEALTH	2	2.418	2.165	
0148-5598	JOURNAL OF MEDICAL SYSTEMS	2	2.398	2.098	
0803-5253	ACTA PAEDIATRICA	2	2.333	2.58	
1934-9491	INTELLECTUAL AND DEVELOPMENTAL DISABILITIES	2	2.319	1.29	
0887-8994	PEDIATRIC NEUROLOGY	2	2.295	2.398	
1554-9178	PHYSICAL REVIEW SPECIAL TOPICS-PHYSICS EDUCATION RESEARCH	2	2.268	2.582	
0954-0121	AIDS CARE-PSYCHOLOGICAL AND SOCIO-MEDICAL ASPECTS OF AIDS/HIV	2	2.238	1.994	
0142-5692	BRITISH JOURNAL OF SOCIOLOGY OF EDUCATION	2	2.256	1.504	
0227-5910	CRISIS-THE JOURNAL OF CRISIS INTERVENTION AND SUICIDE PREVENTION	2	2.119	1.583	
		2			
0141-0423	JOURNAL OF RESEARCH IN READING	2	2.119	1.673	
0936-8051	ARCHIVES OF ORTHOPAEDIC AND TRAUMA SURGERY		2.111	1.967	
0770-3198	CLINICAL RHEUMATOLOGY	2	2.1	2.141	
1095-0680	JOURNAL OF ECT	2	2.091	1.896	
1010-5182	JOURNAL OF CRANIO-MAXILLOFACIAL SURGERY	2	2.059	1.96	
1353-3452	SCIENCE AND ENGINEERING ETHICS	2	2.038	1.859	
0141-5387	EUROPEAN JOURNAL OF ORTHODONTICS	2	2.037	2.033	
0305-764X	CAMBRIDGE JOURNAL OF EDUCATION	2	1.993	1.793	
0277-0903	JOURNAL OF ASTHMA	2	1.96	2.014	
0932-0067	ARCHIVES OF GYNECOLOGY AND OBSTETRICS	2	1.952	2.236	
0032-5481	POSTGRADUATE MEDICINE	2	1.921	2.057	
0361-3666	DISASTERS	2	1.88	1.596	
0198-7569	INTERNATIONAL JOURNAL OF PERIODONTICS & RESTORATIVE DENTISTRY	2	1.804	1.249	
1071-5754	JOURNAL OF WOUND OSTOMY AND CONTINENCE NURSING	2	1.795	1.586	
0941-1291	SURGERY TODAY	2	1.792	2.501	
0284-1851	ACTA RADIOLOGICA	2	1.768	1.823	
0960-3271	HUMAN & EXPERIMENTAL TOXICOLOGY	2	1.766	1.84	
8755-7223	JOURNAL OF PROFESSIONAL NURSING	2	1.751	1.256	
0141-8211	EUROPEAN JOURNAL OF EDUCATION	2	1.747	.918	
1524-9042	PAIN MANAGEMENT NURSING	2	1.742	1.252	
0803-9488	NORDIC JOURNAL OF PSYCHIATRY	2	1.736	1.764	
	Nondre Joennie of Infernanci	2	1.750	1.704	

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1874-8597	EDUCATIONAL ASSESSMENT EVALUATION AND ACCOUNTABILITY	2	1.705	1.303	.40
1076-9242	DYSLEXIA	2	1.699	1.186	.49
1600-4469	DENTAL TRAUMATOLOGY	2	1.689	1.414	.31
0272-1716	IEEE COMPUTER GRAPHICS AND APPLICATIONS	2	1.673	1.64	.57
0019-8366	INDUSTRIAL HEALTH	2	1.628	1.115	.43
0947-7349	EXPERIMENTAL AND CLINICAL ENDOCRINOLOGY & DIABETES	2	1.622	1.623	.42
0303-8467	CLINICAL NEUROLOGY AND NEUROSURGERY	2	1.602	1.736	.43
0960-7439	INTERNATIONAL JOURNAL OF PAEDIATRIC DENTISTRY	2	1.595	1.383	.4
1121-7138	NEW MICROBIOLOGICA	2	1.592	1.412	.3
0022-4006	JOURNAL OF PUBLIC HEALTH DENTISTRY	2	1.573	1.436	.49
0306-624X	INTERNATIONAL JOURNAL OF OFFENDER THERAPY AND COMPARATIVE CRIMINOLOGY	2	1.556	1.452	.4
		2			.4
1476-7058	JOURNAL OF MATERNAL-FETAL & NEONATAL MEDICINE		1.551	1.493	
1308-5727	JOURNAL OF CLINICAL RESEARCH IN PEDIATRIC ENDOCRINOLOGY	2	1.536	1.163	.3
0364-216X	AESTHETIC PLASTIC SURGERY	2	1.526	1.484	.4
1972-2680	JOURNAL OF INFECTION IN DEVELOPING COUNTRIES	2	1.459	1.33	.38
1011-7571	MEDICAL PRINCIPLES AND PRACTICE	2	1.454	1.536	.33
1081-3004	JOURNAL OF ADOLESCENT & ADULT LITERACY	2	1.452	1.177	.25
0305-7925	COMPARE-A JOURNAL OF COMPARATIVE AND INTERNATIONAL EDUCATION	2	1.442	1.828	.30
0147-8389	PACE-PACING AND CLINICAL ELECTROPHYSIOLOGY	2	1.436	1.441	.5
1397-3142	PEDIATRIC TRANSPLANTATION	2	1.43	1.377	.4
1366-8250	JOURNAL OF INTELLECTUAL & DEVELOPMENTAL DISABILITY	2	1.425	1.176	.3
1232-1087	INTERNATIONAL JOURNAL OF OCCUPATIONAL MEDICINE AND ENVIRONMENTAL HEALTH	2	1.422	1.367	.3
1082-6084	SUBSTANCE USE & MISUSE	2	1.417	1.132	.4
1381-4788	EUROPEAN JOURNAL OF GENERAL PRACTICE	2	1.416	1.41	.4
0367-0244	ECOLOGY OF FOOD AND NUTRITION	2	1.406	1.343	.3
0300-0605	JOURNAL OF INTERNATIONAL MEDICAL RESEARCH	2	1.379	1.023	.3
1037-6178	CONTEMPORARY NURSE	2	1.365	.673	.30
0031-3831	SCANDINAVIAN JOURNAL OF EDUCATIONAL RESEARCH	2	1.354	1.167	.3
0790-8318	LANGUAGE CULTURE AND CURRICULUM	2	1.316	1.658	.4
0736-4679	JOURNAL OF EMERGENCY MEDICINE	2	1.303	1.207	.4
		2			
0147-958X	CLINICAL AND INVESTIGATIVE MEDICINE		1.255	.832	.3:
0300-8916	TUMORI	2	1.235	1.304	.29
0888-0018	PEDIATRIC HEMATOLOGY AND ONCOLOGY	2	1.217	1.154	.34
0022-1325	JOURNAL OF GENETIC PSYCHOLOGY	2	1.207	.918	.42
0125-877X	ASIAN PACIFIC JOURNAL OF ALLERGY AND IMMUNOLOGY	2	1.189	.976	.27
0004-9441	AUSTRALIAN JOURNAL OF EDUCATION	2	1.185	.8	.25
0930-1038	SURGICAL AND RADIOLOGIC ANATOMY	2	1.18	1.003	.29
1195-9479	CANADIAN JOURNAL OF UROLOGY	2	1.167	1.352	.3
0309-3646	PROSTHETICS AND ORTHOTICS INTERNATIONAL	2	1.166	1.103	.20
1034-912X	INTERNATIONAL JOURNAL OF DISABILITY DEVELOPMENT AND EDUCATION	2	1.16	.947	.2
0306-9877	MEDICAL HYPOTHESES	2	1.152	1.12	.2
1461-3808	MUSIC EDUCATION RESEARCH	2	1.128	.828	.13
0305-7240	JOURNAL OF MORAL EDUCATION	2	1.087	.825	.34
1742-7932	JAPAN JOURNAL OF NURSING SCIENCE	2	1.068	1.062	.24
0265-539X	COMMUNITY DENTAL HEALTH	2	1.043	.956	.2
1509-409X	ACTA OF BIOENGINEERING AND BIOMECHANICS	2	1.022	.964	.1:
0038-4348	SOUTHERN MEDICAL JOURNAL	2	.964	.854	.3
		2			
0019-5456	INDIAN JOURNAL OF PEDIATRICS		.901	1.046	.2
0254-8704	JOURNAL OF ENVIRONMENTAL BIOLOGY	2	.812	.727	.1:
1303-2712	TURKISH JOURNAL OF FISHERIES AND AQUATIC SCIENCES	2	.764	.482	.1
1119-3077	NIGERIAN JOURNAL OF CLINICAL PRACTICE	2	.758	.717	.1
0030-9230	PAEDAGOGICA HISTORICA	2	.654	.7	.2
1739-4341	KEDI JOURNAL OF EDUCATIONAL POLICY	2	.247	.167	.0
0267-4874	ADVANCES IN CONTRACEPTION	1	-	-	
0750-7658	ANNALES FRANCAISES D ANESTHESIE ET DE REANIMATION	1	-	-	
1046-7890	JOURNAL OF CLINICAL ETHICS	1	-	-	
1234-1010	MEDICAL SCIENCE MONITOR	1	-	-	-
2013-9144	DIGITAL EDUCATION REVIEW	1	-	-	
0021-3667	JOURNAL OF GENERAL EDUCATION	1	-	-	

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0946-7211	MINIMALLY INVASIVE NEUROSURGERY	1	-	-
1395-3907	ACTA OPHTHALMOLOGICA SCANDINAVICA	1	-	-
1542-8877	OPHTHALMIC SURGERY LASERS & IMAGING	1	-	-
1824-2979	EUROPEAN JOURNAL OF COMPARATIVE ECONOMICS	1	-	-
0010-7476	CONTEMPORARY EDUCATION	1	-	-
0022-264X	JOURNAL OF MENTAL DEFICIENCY RESEARCH	1	-	-
0143-0815	CLINICAL PHYSICS AND PHYSIOLOGICAL MEASUREMENT	1	-	-
0260-7417	JOURNAL OF EDUCATIONAL TELEVISION	1	-	-
1118-0021	JOURNAL OF HOME ECONOMICS RESEARCH	1	_	_
1464-5165	DISABILITY AND REHABILITATION	1		
0040-0912	EDUCATION AND TRAINING	1		
0274-9483	RESEARCH AND PRACTICE FOR PERSONS WITH SEVERE DISABILITIES	1	-	-
0274-9483	INTERNATIONAL JOURNAL OF SPECIAL EDUCATION	1	-	-
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1050-6586	AMERICAN JOURNAL OF RHINOLOGY	1	-	-
1279-8517	SURGICAL AND RADIOLOGIC ANATOMY	1	-	-
1530-4086	ANNALS OF OPHTHALMOLOGY	1	-	-
1735-7179	IRANIAN JOURNAL OF ARTHROPOD-BORNE DISEASES	1	-	-
2014-6418	QUALITATIVE RESEARCH IN EDUCATION	1	-	-
0003-9950	ARCHIVES OF OPHTHALMOLOGY	1	-	-
0021-9789	JOURNAL OF COLLEGE STUDENT DEVELOPMENT	1	-	-
0952-3383	BRITISH JOURNAL OF SPECIAL EDUCATION	1	-	-
1090-1027	JOURNAL OF EARLY CHILDHOOD TEACHER EDUCATION	1	-	-
1826-6223	JOURNAL OF E-LEARNING AND KNOWLEDGE SOCIETY	1	-	-
0022-4103	JOURNAL OF READING	1	-	-
0378-5165	INTERNATIONAL JOURNAL OF POLITICAL EDUCATION	1	-	-
1221-9118	CHIRURGIA	1	-	-
1305-3825	DIAGNOSTIC AND INTERVENTIONAL RADIOLOGY	1	-	-
1492-6156	CANADIAN JOURNAL OF SCIENCE MATHEMATICS AND TECHNOLOGY EDUCATION	1	-	-
1698-4447	MEDICINA ORAL PATOLOGIA ORAL Y CIRUGIA BUCAL	1	-	-
1071-7323	OBESITY RESEARCH	1	-	-
1355-8005	INNOVATIONS IN EDUCATION AND TRAINING INTERNATIONAL	1	-	-
1743-5234	INTERNATIONAL JOURNAL OF EDUCATION THROUGH ART	1	-	-
0004-0010	ARCHIVES OF SURGERY	1	-	-
0022-1422	JOURNALS OF GERONTOLOGY	1	-	-
0095-6562	AVIATION SPACE AND ENVIRONMENTAL MEDICINE	1	-	-
0966-8519	JOURNAL OF HEART VALVE DISEASE	1	-	-
1648-5831	INFORMATICS IN EDUCATION	1	_	_
2304-9650	EUROPEAN JOURNAL OF CONTEMPORARY EDUCATION	1		
0040-0459	JOURNAL OF THE BRITISH ASSOCIATION OF TEACHERS OF THE DEAF	1	-	-
		-	-	-
0148-7299	AMERICAN JOURNAL OF MEDICAL GENETICS	1	-	-
0300-5771	INTERNATIONAL JOURNAL OF EPIDEMIOLOGY	1	1.177	8.36
0046-1520	EDUCATIONAL PSYCHOLOGIST	1	8.096	4.488
1098-3600	GENETICS IN MEDICINE	1	7.875	9.937
0021-9630	JOURNAL OF CHILD PSYCHOLOGY AND PSYCHIATRY AND ALLIED DISCIPLINES	1	7.675	6.486
0956-7976	PSYCHOLOGICAL SCIENCE	1	7.37	6.128
1747-938X	EDUCATIONAL RESEARCH REVIEW	1	7.053	4.973
0393-2990	EUROPEAN JOURNAL OF EPIDEMIOLOGY	1	6.772	7.023
0105-4538	ALLERGY	1	6.549	6.048
0965-2140	ADDICTION	1	6.076	6.048
1198-743X	CLINICAL MICROBIOLOGY AND INFECTION	1	5.824	5.394
0278-0062	IEEE TRANSACTIONS ON MEDICAL IMAGING	1	5.546	6.131
0956-053X	WASTE MANAGEMENT	1	5.262	4.723
0360-3016	INTERNATIONAL JOURNAL OF RADIATION ONCOLOGY BIOLOGY PHYSICS	1	5.119	5.554
1040-2446	ACADEMIC MEDICINE	1	5.1	4.801
0905-6947	INDOOR AIR	1	5.098	4.396
0167-8140	RADIOTHERAPY AND ONCOLOGY	1	4.987	4.942
0268-1161	HUMAN REPRODUCTION	1	4.95	4.99
1545-9683	NEUROREHABILITATION AND NEURAL REPAIR	1	4.844	4.711
1476-069X	ENVIRONMENTAL HEALTH	1	4.817	4.376
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1355-6215	ADDICTION BIOLOGY	1	4.676	5.578	1.43
0905-7161	CLINICAL ORAL IMPLANTS RESEARCH	1	4.613	4.305	1.09
0077-8923	COMMUNICATION WITH THE CANCER PATIENT: INFORMATION AND TRUTH	1	4.603	4.277	1.59
0034-0553	RESEARCH QUARTERLY	1	4.496	2.739	1.68
1438-4639	INTERNATIONAL JOURNAL OF HYGIENE AND ENVIRONMENTAL HEALTH	1	4.481	4.848	1.03
0022-3085	JOURNAL OF NEUROSURGERY	1	4.449	4.319	1.23
0163-4453	JOURNAL OF INFECTION	1	4.4	4.603	1.52
0004-8674	AUSTRALIAN AND NEW ZEALAND JOURNAL OF PSYCHIATRY	1	4.309	5.084	1.23
1556-1623	METACOGNITION AND LEARNING	1	4.278	3.706	1.44
0938-7994	EUROPEAN RADIOLOGY	1	4.276	4.027	1.44
0167-5273	INTERNATIONAL JOURNAL OF CARDIOLOGY	1	4.270	4.027	1.21
	BRITISH JOURNAL OF CARDIOLOGY	1	4.207	3.838	1.3
0306-5251	EXCEPTIONAL CHILDREN	1	4.188	3.34	1.20
0014-4029					
0278-6133	HEALTH PSYCHOLOGY	1	4.122	3.177	1.54
1351-5101	EUROPEAN JOURNAL OF NEUROLOGY	1	4.04	4.621	1.29
0165-0327	JOURNAL OF AFFECTIVE DISORDERS	1	4.035	3.786	1.18
0012-1622	DEVELOPMENTAL MEDICINE AND CHILD NEUROLOGY	1	4.033	3.289	1.2
937-941X	OSTEOPOROSIS INTERNATIONAL	1	4.011	3.857	1.1
0924-9338	EUROPEAN PSYCHIATRY	1	4.006	4.129	1.2
1527-6465	LIVER TRANSPLANTATION	1	4.005	3.756	1.29
)304-324X	GERONTOLOGY	1	4	3.532	1.2
0095-1137	JOURNAL OF CLINICAL MICROBIOLOGY	1	3.962	4.054	1.2
1076-1551	MOLECULAR MEDICINE	1	3.956	3.34	1.13
0022-4405	JOURNAL OF SCHOOL PSYCHOLOGY	1	3.913	2.299	1.3
1069-4730	JOURNAL OF ENGINEERING EDUCATION	1	3.888	1.976	1.0
0039-6060	SURGERY	1	3.801	3.574	1.2
0032-1052	PLASTIC AND RECONSTRUCTIVE SURGERY	1	3.798	3.621	.97
0887-6185	JOURNAL OF ANXIETY DISORDERS	1	3.789	3.481	1.2
)376-8716	DRUG AND ALCOHOL DEPENDENCE	1	3.72	3.322	1.2
0001-5555	ACTA DERMATO-VENEREOLOGICA	1	3.718	3.127	1.1
	INFECTION CONTROL AND HOSPITAL EPIDEMIOLOGY	1		3.084	
899-823X			3.716		1.3
1083-4389	HELICOBACTER	1	3.685	4.123	.89
0926-9959	JOURNAL OF THE EUROPEAN ACADEMY OF DERMATOLOGY AND VENEREOLOGY	1	3.665	4.287	1.0
0363-0234	SUICIDE AND LIFE-THREATENING BEHAVIOR	1	3.584	2.984	1.2
0269-5022	PAEDIATRIC AND PERINATAL EPIDEMIOLOGY	1	3.582	2.508	1.3
1861-0684	CLINICAL RESEARCH IN CARDIOLOGY	1	3.581	4.455	1.0
1521-6543	IUBMB LIFE	1	3.555	3.236	.98
1740-8989	PHYSICAL EDUCATION AND SPORT PEDAGOGY	1	3.538	2.928	.56
0007-0998	BRITISH JOURNAL OF EDUCATIONAL PSYCHOLOGY	1	3.328	2.057	1.1
190-535X	ONCOLOGY NURSING FORUM	1	3.323	1.785	.98
0954-3007	EUROPEAN JOURNAL OF CLINICAL NUTRITION	1	3.293	2.954	.99
0742-0528	CHRONOBIOLOGY INTERNATIONAL	1	3.293	2.643	.84
0021-8251	JOURNAL FOR RESEARCH IN MATHEMATICS EDUCATION	1	3.292	2.5	.84
1018-9068	JOURNAL OF INVESTIGATIONAL ALLERGOLOGY AND CLINICAL IMMUNOLOGY	1	3.288	3.457	.69
1081-1206	ANNALS OF ALLERGY ASTHMA & IMMUNOLOGY	1	3.263	3.263	.89
499-4046	JOURNAL OF NUTRITION EDUCATION AND BEHAVIOR	1	3.249	2.571	1.0
0250-6807	ANNALS OF NUTRITION AND METABOLISM	1	3.234	3.051	.99
1420-8008	DEMENTIA AND GERIATRIC COGNITIVE DISORDERS	1	3.23	2.886	.96
001-4575	ACCIDENT ANALYSIS AND PREVENTION	1	3.209	2.584	.90
)271-5317	NUTRITION RESEARCH	1	3.209	2.384	.81
279-7707	JOURNAL OF NUTRITION HEALTH & AGING	1	3.199	2.868	.76
476-0711	ANNALS OF CLINICAL MICROBIOLOGY AND ANTIMICROBIALS	1	3.179	3.155	.86
250-8095	AMERICAN JOURNAL OF NEPHROLOGY	1	3.162	2.884	1.0
021-9762	JOURNAL OF CLINICAL PSYCHOLOGY	1	3.149	2.33	.94
471-244X	BMC PSYCHIATRY	1	3.148	2.419	.93
743-6095	JOURNAL OF SEXUAL MEDICINE	1	3.139	3.339	.81
520-4391	HEMATOLOGY-AMERICAN SOCIETY OF HEMATOLOGY EDUCATION PROGRAM	1	3.128	2.238	1.1
0195-6701	JOURNAL OF HOSPITAL INFECTION	1	3.109	3.354	.99
0163-8343	GENERAL HOSPITAL PSYCHIATRY	1	3.082	2.989	.98
		1	3.059	2.446	.76

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0031-9155	PHYSICS IN MEDICINE AND BIOLOGY	1	3.049	2.665	
1357-3322	SPORT EDUCATION AND SOCIETY	1	3.018	2.769	
1094-3501	LANGUAGE LEARNING & TECHNOLOGY	1	3.008	2.113	
0953-6205	EUROPEAN JOURNAL OF INTERNAL MEDICINE	1	3.006	3.282	
0944-1344	ENVIRONMENTAL SCIENCE AND POLLUTION RESEARCH	1	2.989	2.8	
0002-9483	AMERICAN JOURNAL OF PHYSICAL ANTHROPOLOGY	1	2.984	2.901	
1078-1439	UROLOGIC ONCOLOGY-SEMINARS AND ORIGINAL INVESTIGATIONS	1	2.968	3.397	
1471-2334	BMC INFECTIOUS DISEASES	1	2.949	2.62	
0006-8993	BRAIN RESEARCH	1	2.929	3.125	
1201-9712	INTERNATIONAL JOURNAL OF INFECTIOUS DISEASES	1	2.927	3.202	
0954-0261	INTERNATIONAL REVIEW OF PSYCHIATRY	1	2.926	2.732	
1477-7525	HEALTH AND QUALITY OF LIFE OUTCOMES	1	2.911	2.278	
0021-9290	JOURNAL OF BIOMECHANICS	1	2.907	2.431	
0963-6625	PUBLIC UNDERSTANDING OF SCIENCE	1	2.88	2.452	
0361-0365	RESEARCH IN HIGHER EDUCATION	1	2.876	1.792	
0196-206X	JOURNAL OF DEVELOPMENTAL AND BEHAVIORAL PEDIATRICS	1	2.870	2.199	
0278-2626	BRAIN AND COGNITION	1	2.864	2.574	
0941-4355	SUPPORTIVE CARE IN CANCER	1	2.846	2.676	
0169-2607	COMPUTER METHODS AND PROGRAMS IN BIOMEDICINE	1	2.84	2.674	
0893-0341	ALZHEIMER DISEASE & ASSOCIATED DISORDERS	1	2.833	1.94	
1877-7821	CANCER EPIDEMIOLOGY	1	2.828	2.888	
0720-048X	EUROPEAN JOURNAL OF RADIOLOGY	1	2.824	2.843	
0029-6554	NURSING OUTLOOK	1	2.768	2.425	
0022-1546	JOURNAL OF HIGHER EDUCATION	1	2.762	2.283	
0002-9637	AMERICAN JOURNAL OF TROPICAL MEDICINE AND HYGIENE	1	2.758	2.564	
0022-4669	JOURNAL OF SPECIAL EDUCATION	1	2.755	2.262	
1743-9191	INTERNATIONAL JOURNAL OF SURGERY	1	2.728	2.693	
1439-6319	EUROPEAN JOURNAL OF APPLIED PHYSIOLOGY	1	2.724	2.401	
0022-3891	JOURNAL OF PERSONALITY ASSESSMENT	1	2.696	2.339	
1369-3786	MEDICAL MYCOLOGY	1	2.687	2.799	
1041-6102	INTERNATIONAL PSYCHOGERIATRICS	1	2.669	2.261	
1090-820X	AESTHETIC SURGERY JOURNAL	1	2.668	2.824	
0163-2116	DIGESTIVE DISEASES AND SCIENCES	1	2.663	2.819	
0940-5429	ACTA DIABETOLOGICA	1	2.657	3.126	
0192-415X	AMERICAN JOURNAL OF CHINESE MEDICINE	1	2.635	3.12	
0885-6222	HUMAN PSYCHOPHARMACOLOGY-CLINICAL AND EXPERIMENTAL	1	2.623	2.806	
0009-398X	CHILD PSYCHIATRY & HUMAN DEVELOPMENT	1	2.603	2.225	
1471-2377	BMC NEUROLOGY	1	2.598	2.17	
0924-3453	SCHOOL EFFECTIVENESS AND SCHOOL IMPROVEMENT	1	2.597	1.468	
1076-0512	DERMATOLOGIC SURGERY	1	2.587	2.471	
0168-8510	HEALTH POLICY	1	2.581	2.293	
1545-5009	PEDIATRIC BLOOD & CANCER	1	2.58	2.646	
1071-1007	FOOT & ANKLE INTERNATIONAL	1	2.569	2.653	
1432-6981	CLINICAL ORAL INVESTIGATIONS	1	2.553	2.386	
0091-2700	JOURNAL OF CLINICAL PHARMACOLOGY	1	2.551	2.881	
1449-1907	INTERNATIONAL JOURNAL OF MEDICAL SCIENCES	1	2.551	2.284	
0022-5142	JOURNAL OF THE SCIENCE OF FOOD AND AGRICULTURE	1	2.537	2.379	
1529-9732	JOURNAL OF TRAUMA & DISSOCIATION	1	2.532	2.606	
0965-2299	COMPLEMENTARY THERAPIES IN MEDICINE	1	2.511	2.000	
1475-9276	INTERNATIONAL JOURNAL FOR EQUITY IN HEALTH	1	2.499	1.71	
	-	1			
0933-7407 8756-5641	MYCOSES	1	2.495	2.793	
	DEVELOPMENTAL NEUROPSYCHOLOGY		2.483	2.333	
0301-5661	COMMUNITY DENTISTRY AND ORAL EPIDEMIOLOGY	1	2.462	1.992	
1027-3719	INTERNATIONAL JOURNAL OF TUBERCULOSIS AND LUNG DISEASE	1	2.459	2.392	
0269-9052	BRAIN INJURY	1	2.444	2.061	
1467-6370	INTERNATIONAL JOURNAL OF SUSTAINABILITY IN HIGHER EDUCATION	1	2.443	1.876	
0090-502X	MEMORY & COGNITION	1	2.435	1.911	
1479-9723	CHRONIC RESPIRATORY DISEASE	1	2.422	2.275	
0197-3851	PRENATAL DIAGNOSIS	1	2.414	2.779	
1063-8652	JOURNAL OF AGING AND PHYSICAL ACTIVITY	1	2.396	2.038	

Table A.1 – continued from previous page	Table	A.1 -	continued	from	previous	page	
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ISSN	Journal Title	# of Article	5-YIF	JIF	AIS
1018-8665	DERMATOLOGY	1	2.387	1.958	.709
0090-4295	UROLOGY	1	2.385	2.3	.678
0300-8126	INFECTION	1	2.383	2.773	.739
1155-5645	PEDIATRIC ANESTHESIA	1	2.381	2.389	.547
0961-5423	EUROPEAN JOURNAL OF CANCER CARE	1	2.37	2.409	.706
0896-4289	BEHAVIORAL MEDICINE	1	2.368	2.442	.756
0167-482X	JOURNAL OF PSYCHOSOMATIC OBSTETRICS AND GYNECOLOGY	1	2.364	1.9	.727
0378-3782	EARLY HUMAN DEVELOPMENT	1	2.361	2.025	.752
0163-4984	BIOLOGICAL TRACE ELEMENT RESEARCH	1	2.325	2.361	.424
1167-1122	EUROPEAN JOURNAL OF DERMATOLOGY	1	2.307	1.944	.628
0144-6665	BRITISH JOURNAL OF SOCIAL PSYCHOLOGY	1	2.304	1.775	1.00
2164-5515	HUMAN VACCINES & IMMUNOTHERAPEUTICS	1	2.301	2.229	.73
0731-5724	JOURNAL OF THE AMERICAN COLLEGE OF NUTRITION	1	2.294	2.175	.62
0729-4360	HIGHER EDUCATION RESEARCH & DEVELOPMENT	1	2.293	2.006	.45
1756-1841	INTERNATIONAL JOURNAL OF RHEUMATIC DISEASES	1	2.29	2.423	.65
0895-6111	COMPUTERIZED MEDICAL IMAGING AND GRAPHICS	1	2.286	2.435	.56
0141-1926	BRITISH EDUCATIONAL RESEARCH JOURNAL	1	2.285	1.696	.65
1420-4096	KIDNEY & BLOOD PRESSURE RESEARCH	1	2.267	3	.43
0894-9115	AMERICAN JOURNAL OF PHYSICAL MEDICINE & REHABILITATION	1	2.266	1.843	.62
1531-7129	OTOLOGY & NEUROTOLOGY	1	2.264	2.182	.58
0003-3197	ANGIOLOGY	1	2.25	3.022	.49
0895-3988	BIOMEDICAL AND ENVIRONMENTAL SCIENCES	1	2.231	2.518	.54
0378-6323	INDIAN JOURNAL OF DERMATOLOGY VENEREOLOGY & LEPROLOGY	1	2.226	2.229	.54
0140-0118	MEDICAL& BIOLOGICAL ENGINEERING & COMPUTING	1	2.224	1.971	.56
0092-623X	JOURNAL OF SEX & MARITAL THERAPY	1	2.205	1.832	.73
1650-1977	JOURNAL OF REHABILITATION MEDICINE	1	2.202	1.802	.63
0025-7974	MEDICINE	1	2.193	2.028	.58
0300-7839	HUMAN ECOLOGY	1	2.188	1.642	.60
0932-0113	PARASITOLOGY RESEARCH	1	2.159	2.558	.50
0250-832X	DENTOMAXILLOFACIAL RADIOLOGY	1	2.157	1.848	.56
1472-6874	BMC WOMENS HEALTH	1	2.151	1.806	.65
0145-4455	BEHAVIOR MODIFICATION	1	2.149	2.024	.63
0803-7051	BLOOD PRESSURE	1	2.143	2.107	.63
0003-9969	ARCHIVES OF ORAL BIOLOGY	1	2.137	2.05	.49
0022-3018	JOURNAL OF NERVOUS AND MENTAL DISEASE	1	2.137	1.94	.66
0001-6268	ACTA NEUROCHIRURGICA	1	2.132	1.929	.54
1543-3080	JOURNAL OF PHYSICAL ACTIVITY & HEALTH	1	2.132	1.723	.67
0013-5984	ELEMENTARY SCHOOL JOURNAL	1	2.131	1.393	.81
0214-6282	INTERNATIONAL JOURNAL OF DEVELOPMENTAL BIOLOGY	1	2.11	1.579	.68
1424-7860	SWISS MEDICAL WEEKLY	1	2.099	1.928	.59
0950-2688	EPIDEMIOLOGY AND INFECTION	1	2.094	2.044	.74
1359-1053	JOURNAL OF HEALTH PSYCHOLOGY	1	2.09	2.039	.6
1361-3324	RACE ETHNICITY AND EDUCATION	1	2.09	1.202	.53
1083-3188	JOURNAL OF PEDIATRIC AND ADOLESCENT GYNECOLOGY	1	2.088	1.752	.54
0002-9459	AMERICAN JOURNAL OF PHARMACEUTICAL EDUCATION	1	2.085	1.495	.23
0341-2040	LUNG	1	2.063	2.101	.56
0305-4985	OXFORD REVIEW OF EDUCATION	1	2.06	1.393	.61
0271-3586	AMERICAN JOURNAL OF INDUSTRIAL MEDICINE	1	2.049	1.729	.61
)302-282X	NEUROPSYCHOBIOLOGY	1	2.045	1.421	.60
0140-1963	JOURNAL OF ARID ENVIRONMENTS	1	2.042	1.989	.54
0892-7790	JOURNAL OF ENDOUROLOGY	1	2.035	2.038	.51
)959-3993	WORLD JOURNAL OF MICROBIOLOGY & BIOTECHNOLOGY	1	2.031	2.1	.42
352-4658	BEHAVIOURAL AND COGNITIVE PSYCHOTHERAPY	1	2.022	1.633	.59
025-5842	COMPUTER METHODS IN BIOMECHANICS AND BIOMEDICAL ENGINEERING	1	2.021	1.974	.5
1752-6981	CLINICAL RESPIRATORY JOURNAL	1	2.021	2.211	.48
)167-6369	ENVIRONMENTAL MONITORING AND ASSESSMENT	1	2.021	1.804	.39
0965-8211	MEMORY	1	2.02	1.873	.68
1590-1874	NEWOKI NEUROLOGICAL SCIENCES	1	2.02	2.285	.08
0263-2136	FAMILY PRACTICE	1	2.019	1.675	.40
					.70
0899-9546	AIDS EDUCATION AND PREVENTION	1	2.005	1.756	./

	Journal Title		5-YIF	JIF	
0890-765X	JOURNAL OF RURAL HEALTH	1	1.987	1.762	
1877-0568	ORTHOPAEDICS & TRAUMATOLOGY-SURGERY & RESEARCH	1	1.986	1.413	
0022-3468	JOURNAL OF PEDIATRIC SURGERY	1	1.982	2.128	
1567-2018	CURRENT DRUG DELIVERY	1	1.973	2.078	
1559-047X	JOURNAL OF BURN CARE & RESEARCH	1	1.972	1.923	
0938-8982	LEARNING DISABILITIES RESEARCH & PRACTICE	1	1.966	1.147	
0905-4383	PHOTODERMATOLOGY PHOTOIMMUNOLOGY & PHOTOMEDICINE	1	1.958	1.938	
0734-242X	WASTE MANAGEMENT & RESEARCH	1	1.955	1.631	
1472-6831	BMC ORAL HEALTH	1	1.949	1.602	
0040-5841	THEORY INTO PRACTICE	1	1.925	1.178	
1059-7700	JOURNAL OF GENETIC COUNSELING	1	1.925	1.698	
		1			
1042-0533	AMERICAN JOURNAL OF HUMAN BIOLOGY		1.904	1.575	
0362-028X	JOURNAL OF FOOD PROTECTION	1	1.882	1.51	
0003-3219	ANGLE ORTHODONTIST	1	1.878	1.592	
0731-9487	LEARNING DISABILITY QUARTERLY	1	1.874	2.132	
0899-8493	PEDIATRIC EXERCISE SCIENCE	1	1.859	1.353	
0065-2598	BIOMATERIALS: FROM MOLECULES TO ENGINEERED TISSUES	1	1.857	1.76	
1040-5488	OPTOMETRY AND VISION SCIENCE	1	1.854	1.499	
1527-7941	ADVANCES IN SKIN & WOUND CARE	1	1.846	1.377	
0094-5145	JOURNAL OF COMMUNITY HEALTH	1	1.806	1.53	
0968-8080	REPRODUCTIVE HEALTH MATTERS	1	1.777	1.421	
0283-9318	SCANDINAVIAN JOURNAL OF CARING SCIENCES	1	1.767	1.318	
0028-2685	NEOPLASMA	1	1.763	1.696	
1055-3290	JANAC-JOURNAL OF THE ASSOCIATION OF NURSES IN AIDS CARE	1	1.749	1.418	
0964-7058	ASIA PACIFIC JOURNAL OF CLINICAL NUTRITION	1	1.746	1.335	
1678-9199	JOURNAL OF VENOMOUS ANIMALS AND TOXINS INCLUDING TROPICAL DISEASES	1	1.74	1.782	
1678-7757	JOURNAL OF APPLIED ORAL SCIENCE	1	1.723	1.709	
0033-8362	RADIOLOGIA MEDICA	1	1.722	1.819	
0276-4741	MOUNTAIN RESEARCH AND DEVELOPMENT	1	1.712	1.216	
0928-6586	OPHTHALMIC EPIDEMIOLOGY	1	1.709	1.297	
0301-4851	MOLECULAR BIOLOGY REPORTS	1	1.707	1.889	
0022-0272	JOURNAL OF CURRICULUM STUDIES	1	1.707	1.12	
1351-0126	JOURNAL OF PSYCHIATRIC AND MENTAL HEALTH NURSING	1	1.705	1.702	
0300-9009	ACTA NEUROLOGICA BELGICA	1	1.693	2.072	
0960-3123	INTERNATIONAL JOURNAL OF ENVIRONMENTAL HEALTH RESEARCH	1	1.69	1.433	
0900-3123	INTERNATIONAL JOURNAL OF HEMATOLOGY	1	1.675	1.942	
	AUSTRALIAN & NEW ZEALAND JOURNAL OF OBSTETRICS & GYNAECOLOGY	1			
0004-8666			1.674	1.766	
0303-4569	ANDROLOGIA	1	1.663	1.588	
0962-7480	OCCUPATIONAL MEDICINE-OXFORD	1	1.654	1.482	
1844-4172	MEDICAL ULTRASONOGRAPHY	1	1.651	1.512	
1034-4810	JOURNAL OF PAEDIATRICS AND CHILD HEALTH	1	1.649	1.449	
0895-9048	EDUCATIONAL POLICY	1	1.648	1.586	
1357-650X	LATERALITY	1	1.633	1.388	
0894-1912	JOURNAL OF CONTINUING EDUCATION IN THE HEALTH PROFESSIONS	1	1.632	1.088	
0387-7604	BRAIN & DEVELOPMENT	1	1.631	1.544	
0016-9862	GIFTED CHILD QUARTERLY	1	1.613	1.179	
1877-5756	SEXUAL & REPRODUCTIVE HEALTHCARE	1	1.608	1.255	
1076-1608	JCR-JOURNAL OF CLINICAL RHEUMATOLOGY	1	1.603	1.974	
1386-0291	CLINICAL HEMORHEOLOGY AND MICROCIRCULATION	1	1.603	1.914	
1807-5932	CLINICS	1	1.591	1.245	
0034-8082	REVISTA DE EDUCACION	1	1.584	1.783	
0020-7640	INTERNATIONAL JOURNAL OF SOCIAL PSYCHIATRY	1	1.575	1.613	
1053-8151	JOURNAL OF EARLY INTERVENTION	1	1.566	1.241	
1536-8378	ELECTROMAGNETIC BIOLOGY AND MEDICINE	1	1.553	1.36	
0741-7136	ADULT EDUCATION QUARTERLY	1	1.547	1.257	
0100-879X	BRAZILIAN JOURNAL OF MEDICAL AND BIOLOGICAL RESEARCH	1	1.541	1.492	
1053-8712	JOURNAL OF CHILD SEXUAL ABUSE	1	1.52	1.133	
0862-8408 0001-6357	PHYSIOLOGICAL RESEARCH	1	1.504	1.324	
	ACTA ODONTOLOGICA SCANDINAVICA	1	1.496	1.522	

ISSN	Journal Title	# of Article	5-YIF	JIF	AIS
1057-3631	JOURNAL OF NURSING CARE QUALITY	1	1.486	1.191	.39
1056-6163	IMPLANT DENTISTRY	1	1.485	1.307	.39
1025-6016	ISOTOPES IN ENVIRONMENTAL AND HEALTH STUDIES	1	1.433	1.527	.38
	EPILEPTIC DISORDERS	1		1.527	
1294-9361			1.471		.41
0913-8668	JOURNAL OF ANESTHESIA	1	1.455	1.454	.33
0300-9831	INTERNATIONAL JOURNAL FOR VITAMIN AND NUTRITION RESEARCH	1	1.443	1.421	.30
1976-1317	ASIAN NURSING RESEARCH	1	1.439	.918	.35
0003-4894	ANNALS OF OTOLOGY RHINOLOGY AND LARYNGOLOGY	1	1.437	1.513	.43
1367-4935	JOURNAL OF CHILD HEALTH CARE	1	1.425	1.107	.32
0160-6972	JOURNAL OF ORAL IMPLANTOLOGY	1	1.422	1.212	.3
0363-8715	JOURNAL OF COMPUTER ASSISTED TOMOGRAPHY	1	1.409	1.292	.38
0735-6757	AMERICAN JOURNAL OF EMERGENCY MEDICINE	1	1.408	1.29	.42
0897-5264	JOURNAL OF COLLEGE STUDENT DEVELOPMENT	1	1.405	.952	.33
1120-6721	EUROPEAN JOURNAL OF OPHTHALMOLOGY	1	1.395	1.897	.40
0890-5096	ANNALS OF VASCULAR SURGERY	1	1.368	1.363	.41
1899-5276	ADVANCES IN CLINICAL AND EXPERIMENTAL MEDICINE	1	1.358	1.262	.29
0363-3624	NURSE EDUCATOR	1	1.345	1.245	.25
0261-1929	ATLA-ALTERNATIVES TO LABORATORY ANIMALS	1	1.323	1.865	.25
0273-1223	WATER SCIENCE AND TECHNOLOGY	1	1.312	1.247	.24
0825-8597	JOURNAL OF PALLIATIVE CARE	1	1.306	.882	.42
1708-8569	WORLD JOURNAL OF PEDIATRICS	1	1.304	1.228	.34
0010-3853	COMMUNITY MENTAL HEALTH JOURNAL	1	1.297	1.159	.37
1445-6354	RURAL AND REMOTE HEALTH	1	1.297	1.096	.35
0034-0561	READING TEACHER	1	1.297	.782	.26
1749-8090	JOURNAL OF CARDIOTHORACIC SURGERY	1	1.294	1.117	.38
1539-0136	JOURNAL FOR SPECIALISTS IN PEDIATRIC NURSING	1	1.289	.872	.35
0749-6753	INTERNATIONAL JOURNAL OF HEALTH PLANNING AND MANAGEMENT	1	1.281	.977	.39
0954-4119	PROCEEDINGS OF THE INSTITUTION OF MECHANICAL ENGINEERS PART H-JOURNAL OF	1	1.276	1.124	.3
	ENGINEERING IN MEDICINE				
0268-8697	BRITISH JOURNAL OF NEUROSURGERY	1	1.245	1.238	.33
0749-5161	PEDIATRIC EMERGENCY CARE	1	1.242	1.066	.42
1098-6065	MATHEMATICAL THINKING AND LEARNING	1	1.215	1.393	.33
1613-4141	IRAL-INTERNATIONAL REVIEW OF APPLIED LINGUISTICS IN LANGUAGE TEACHING	1	1.2	1.242	.39
		1		1.596	
0366-6999	CHINESE MEDICAL JOURNAL		1.196		.26
0886-9634	CRANIO-THE JOURNAL OF CRANIOMANDIBULAR PRACTICE	1	1.192	1.094	.24
0309-8265	JOURNAL OF GEOGRAPHY IN HIGHER EDUCATION	1	1.188	1.213	.22
0886-022X	RENAL FAILURE	1	1.187	1.44	.2
0161-7761	ANTHROPOLOGY & EDUCATION QUARTERLY	1	1.183	.708	.4
0265-0517	BRITISH JOURNAL OF MUSIC EDUCATION	1	1.176	.944	.18
0742-2822	ECHOCARDIOGRAPHY-A JOURNAL OF CARDIOVASCULAR ULTRASOUND AND ALLIED TECHNIQUES	1	1.165	1.197	.35
1752-928X	JOURNAL OF FORENSIC AND LEGAL MEDICINE	1	1.157	1.103	.3
0972-9062	JOURNAL OF VECTOR BORNE DISEASES	1	1.148	.886	.3
1230-1485	POLISH JOURNAL OF ENVIRONMENTAL STUDIES	1	1.146	1.12	.10
0001-5792	ACTA HAEMATOLOGICA	1	1.144	1.307	.10
1677-5538	INTERNATIONAL BRAZ J UROL	1	1.132	.976	.2
0011-3891	CURRENT SCIENCE	1	1.127	.883	.2
0165-2176	VETERINARY QUARTERLY	1	1.126	1.492	.2
1010-5395	ASIA-PACIFIC JOURNAL OF PUBLIC HEALTH	1	1.12	1.013	.3
1024-5332	HEMATOLOGY	1	1.105	1.315	.2
0946-1965	INTERNATIONAL JOURNAL OF CLINICAL PHARMACOLOGY AND THERAPEUTICS	1	1.1	1.11	.2
064-7406	FACIAL PLASTIC SURGERY CLINICS OF NORTH AMERICA	1	1.091	1.133	.2
0885-1158	MEDICAL PROBLEMS OF PERFORMING ARTISTS	1	1.084	.91	.1:
0017-9078	HEALTH PHYSICS	1	1.082	.993	.3
1745-7300	INTERNATIONAL JOURNAL OF INJURY CONTROL AND SAFETY PROMOTION	1	.996	.955	.2
0191-3913	JOURNAL OF PEDIATRIC OPHTHALMOLOGY & STRABISMUS	1	.989	.979	.3
1047-9511	CARDIOLOGY IN THE YOUNG	1	.989	.978	.3
0043-5325	WIENER KLINISCHE WOCHENSCHRIFT	1	.967	1.003	.2:
1066-2936 1565-1088	UNDERSEA AND HYPERBARIC MEDICINE	1	.961	.636	.20
	ISRAEL MEDICAL ASSOCIATION JOURNAL	1	.938	.817	.20

Table A.1 – continued from previous page							
ISSN	Journal Title	# of Article	5-YIF	JIF	AIS		
1940-5901	INTERNATIONAL JOURNAL OF CLINICAL AND EXPERIMENTAL MEDICINE	1	.926	.833	.19		
0022-2151	JOURNAL OF LARYNGOLOGY AND OTOLOGY	1	.922	.967	.254		
0144-8420	RADIATION PROTECTION DOSIMETRY	1	.899	.822	.238		
1735-1308	UROLOGY JOURNAL	1	.893	.88	.195		
0030-2228	OMEGA-JOURNAL OF DEATH AND DYING	1	.864	.87	.227		
1061-4303	WATER ENVIRONMENT RESEARCH	1	.852	.825	.155		
1305-8282	EKLEM HASTALIKLARI VE CERRAHISI-JOINT DISEASES AND RELATED SURGERY	1	.849	1.292	.131		
1300-4948	TURKISH JOURNAL OF GASTROENTEROLOGY	1	.839	.869	.19		
0002-726X	AMERICAN ANNALS OF THE DEAF	1	.835	.571	.156		
0026-4946	MINERVA PEDIATRICA	1	.83	.947	.188		
0195-7910	AMERICAN JOURNAL OF FORENSIC MEDICINE AND PATHOLOGY	1	.828	.643	.24		
0001-5385	ACTA CARDIOLOGICA	1	.813	.876	.259		
0013-1245	EDUCATION AND URBAN SOCIETY	1	.81	.658	.282		
0003-3847	ANNALES BOTANICI FENNICI	1	.788	.872	.236		
1053-4512	INTERVENTION IN SCHOOL AND CLINIC	1	.776	.578	.161		
1341-1098	ANNALS OF THORACIC AND CARDIOVASCULAR SURGERY	1	.766	.94	.179		
0887-9311	HOLISTIC NURSING PRACTICE	1	.739	.606	.143		
1051-9815	WORK-A JOURNAL OF PREVENTION ASSESSMENT & REHABILITATION	1	.724	.902	.153		
1175-8708	ENGLISH TEACHING-PRACTICE AND CRITIQUE	1	.678	.442	.152		
0024-7758	JOURNAL OF REPRODUCTIVE MEDICINE	1	.667	.452	.199		
0141-6200	BRITISH JOURNAL OF RELIGIOUS EDUCATION	1	.621	.579	.317		
0015-5659	FOLIA MORPHOLOGICA	1	.557	.497	.149		
1443-1394	AUSTRALIAN JOURNAL OF ADULT LEARNING	1	.535	.4	.057		
1022-386X	JCPSP-JOURNAL OF THE COLLEGE OF PHYSICIANS AND SURGEONS PAKISTAN	1	.489	.439	.11		
0031-7217	PHI DELTA KAPPAN	1	.48	.284	.12		
0013-1784	EDUCATIONAL LEADERSHIP	1	.465	.258	.103		
0353-9466	ACTA CLINICA CROATICA	1	.452	.366	.082		
1130-1473	NEUROCIRUGIA	1	.392	.31	.084		
0139-3006	ACTA ALIMENTARIA	1	.383	.384	.065		
0019-5464	INDIAN JOURNAL OF PHARMACEUTICAL EDUCATION AND RESEARCH	1	.366	.351	.038		
0044-3247	ZEITSCHRIFT FUR PADAGOGIK	1	.336	.263	.082		
0004-0614	ARCHIVOS ESPANOLES DE UROLOGIA	1	.323	.465	.07		
1122-5165	CADMO	1	.135	.115	.061		
1471-5953	NURSE EDUCATION IN PRACTICE	1	0	1.313	0		
)191-491X	STUDIES IN EDUCATIONAL EVALUATION	1	0	1.099	0		
0964-3397	INTENSIVE AND CRITICAL CARE NURSING	1	0	1.653	0		
1744-3881	COMPLEMENTARY THERAPIES IN CLINICAL PRACTICE	1	0	1.701	0		
1469-7874	ACTIVE LEARNING IN HIGHER EDUCATION	1	0	1.969	0		

Table A.1 – continued from previous page

# Appendix B

### **APPENDIX B**

## Table B.1: Most preferred journals by top 15 universities

Univ Name	Publication Title	# of Article
Abant Izzet Baysal Univ	ACTA RADIOLOGICA	1
Abant Izzet Baysal Univ	AFRICAN JOURNAL OF BIOTECHNOLOGY	1
Abant Izzet Baysal Univ	ARCHIVES OF GERONTOLOGY AND GERIATRICS	1
Abant Izzet Baysal Univ	ASSESSMENT & EVALUATION IN HIGHER EDUCATION	1
Abant Izzet Baysal Univ	AUSTRALIAN EDUCATIONAL RESEARCHER	1
Abant Izzet Baysal Univ	AUSTRALIAN JOURNAL OF EDUCATION	1
Abant Izzet Baysal Univ	CAMBRIDGE JOURNAL OF EDUCATION	1
Abant Izzet Baysal Univ	CANADIAN JOURNAL OF SCIENCE MATHEMATICS AND TECHNOLOGY EDUCATION	1
Abant Izzet Baysal Univ	CANCER NURSING	1
Abant Izzet Baysal Univ	CHRONIC RESPIRATORY DISEASE	1
Abant Izzet Baysal Univ	CROATIAN JOURNAL OF EDUCATION-HRVATSKI CASOPIS ZA ODGOJ I OBRAZOVANJE	1
Abant Izzet Baysal Univ	CYBERPSYCHOLOGY BEHAVIOR AND SOCIAL NETWORKING	1
bant Izzet Baysal Univ	DIDACTICA SLOVENICA-PEDAGOSKA OBZORJA	1
Abant Izzet Baysal Univ	ECONOMICS OF EDUCATION REVIEW	1
bant Izzet Baysal Univ	EDUCATION AS CHANGE	1
bant Izzet Baysal Univ	EDUCATIONAL GERONTOLOGY	1
bant Izzet Baysal Univ	EDUCATIONAL RESEARCH REVIEW	1
bant Izzet Baysal Univ	ENERGY EDUCATION SCIENCE AND TECHNOLOGY PART B-SOCIAL AND EDUCATIONAL STUDIES	1
bant Izzet Baysal Univ	EUROPEAN ARCHIVES OF OTO-RHINO-LARYNGOLOGY	1
bant Izzet Baysal Univ	EUROPEAN JOURNAL OF PHYSICS	1
bant Izzet Baysal Univ	EUROPEAN JOURNAL OF TEACHER EDUCATION	1
bant Izzet Baysal Univ	INTERNATIONAL JOURNAL OF NURSING STUDIES	1
bant Izzet Baysal Univ	INTERNATIONAL JOURNAL OF SPECIAL EDUCATION	1
bant Izzet Baysal Univ	INTERNATIONAL REVIEW OF RESEARCH IN OPEN AND DISTANCE LEARNING	1
bant Izzet Baysal Univ	INTERNET AND HIGHER EDUCATION	1
bant Izzet Baysal Univ	JOURNAL OF CHEMICAL EDUCATION	1
bant Izzet Baysal Univ	JOURNAL OF EDUCATIONAL COMPUTING RESEARCH	1
bant Izzet Baysal Univ	JOURNAL OF EXPERIMENTAL EDUCATION	1
bant Izzet Baysal Univ	PAEDAGOGICA HISTORICA	1
bant Izzet Baysal Univ	PEDIATRIC EXERCISE SCIENCE	1
bant Izzet Baysal Univ	RECALL	1
bant Izzet Baysal Univ	SOUTH AFRICAN JOURNAL OF EDUCATION	1
bant Izzet Baysal Univ	TEACHING IN HIGHER EDUCATION	1
bant Izzet Baysal Univ	TURKISH ONLINE JOURNAL OF EDUCATIONAL TECHNOLOGY	1
bant Izzet Baysal Univ	ACTA ORTHOPAEDICA ET TRAUMATOLOGICA TURCICA	2
Abant Izzet Baysal Univ	ASIA-PACIFIC EDUCATION RESEARCHER	2
Abant Izzet Baysal Univ	AUSTRALASIAN JOURNAL OF EDUCATIONAL TECHNOLOGY	2
abant Izzet Baysal Univ	BRITISH JOURNAL OF EDUCATIONAL TECHNOLOGY	2
Abant Izzet Baysal Univ	CLINICAL PSYCHOLOGY & PSYCHOTHERAPY	2
Abant Izzet Baysal Univ	EURASIA JOURNAL OF MATHEMATICS SCIENCE AND TECHNOLOGY EDUCATION	2
bant Izzet Baysal Univ	INTERNATIONAL JOURNAL OF SCIENCE AND MATHEMATICS EDUCATION	2
bant Izzet Baysal Univ	INTERNATIONAL JOURNAL OF SCIENCE EDUCATION	2

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Univ Name	Table B.1 – continued from previous page Publication Title	# of Article
Abant Izzet Baysal Univ	JOURNAL OF BIOLOGICAL EDUCATION	2
bant Izzet Baysal Univ	PERCEPTUAL AND MOTOR SKILLS	2
bant Izzet Baysal Univ	RESEARCH IN SCIENCE EDUCATION	2
bant Izzet Baysal Univ	WEST INDIAN MEDICAL JOURNAL	2
bant Izzet Baysal Univ	ASIAN PACIFIC JOURNAL OF CANCER PREVENTION	3
bant Izzet Baysal Univ	INTERNATIONAL JOURNAL OF PEDIATRIC OTORHINOLARYNGOLOGY	3
bant Izzet Baysal Univ	RESEARCH IN SCIENCE & TECHNOLOGICAL EDUCATION	3
Abant Izzet Baysal Univ	TEACHING AND TEACHER EDUCATION	3
Abant Izzet Baysal Univ	COMPUTER APPLICATIONS IN ENGINEERING EDUCATION	5
Abant Izzet Baysal Univ	EGITIM ARASTIRMALARI-EURASIAN JOURNAL OF EDUCATIONAL RESEARCH	5
Abant Izzet Baysal Univ	JOURNAL OF BALTIC SCIENCE EDUCATION	5
Abant Izzet Baysal Univ	EDUCATIONAL SCIENCES-THEORY & PRACTICE	6
Abant Izzet Baysal Univ	HACETTEPE UNIVERSITESI EGITIM FAKULTESI DERGISI-HACETTEPE UNIVERSITY JOURNAL OF EDUCATION	13
Abant Izzet Baysal Univ	EGITIM VE BILIM-EDUCATION AND SCIENCE	21
Abant Izzet Baysal Univ	KURAM VE UYGULAMADA EGITIM BILIMLERI	24
Akdeniz Univ	ACTA DIABETOLOGICA	1
Akdeniz Univ	ACTA NEUROLOGICA BELGICA	1
Akdeniz Univ	ADVANCES IN HEALTH SCIENCES EDUCATION	1
Akdeniz Univ	AIDS CARE-PSYCHOLOGICAL AND SOCIO-MEDICAL ASPECTS OF AIDS/HIV	1
Akdeniz Univ	ALLERGOLOGIA ET IMMUNOPATHOLOGIA	1
Akdeniz Univ	ANADOLU KARDIYOLOJI DERGISI-THE ANATOLIAN JOURNAL OF CARDIOLOGY	1
Akdeniz Univ	ANNALS OF CLINICAL MICROBIOLOGY AND ANTIMICROBIALS	1
Akdeniz Univ	ARCHIVOS ESPANOLES DE UROLOGIA	1
Akdeniz Univ	AUSTRALASIAN JOURNAL OF EDUCATIONAL TECHNOLOGY	1
Akdeniz Univ	BIOCHEMISTRY AND MOLECULAR BIOLOGY EDUCATION	1
Akdeniz Univ	CANCER EPIDEMIOLOGY	1
Akdeniz Univ	CANCER NURSING	1
Akdeniz Univ	CHILD ABUSE & NEGLECT	1
Akdeniz Univ	CLINICAL ANATOMY	1
Akdeniz Univ	COMPARATIVE EDUCATION	1
Akdeniz Univ	CROATIAN JOURNAL OF EDUCATION-HRVATSKI CASOPIS ZA ODGOJ I OBRAZOVANJE	1
Akdeniz Univ	CYBERPSYCHOLOGY BEHAVIOR AND SOCIAL NETWORKING	1
Akdeniz Univ	EDUCATIONAL SCIENCES-THEORY & PRACTICE	1
Akdeniz Univ	EDUCATIONAL TECHNOLOGY & SOCIETY	1
Akdeniz Univ	EPILEPSY & BEHAVIOR	1
Akdeniz Univ	EUROPEAN JOURNAL OF ONCOLOGY NURSING	1
Akdeniz Univ	EUROPEAN JOURNAL OF SPECIAL NEEDS EDUCATION	1
Akdeniz Univ	EUROPEAN JOURNAL OF TEACHER EDUCATION	1
Akdeniz Univ	HIGH ABILITY STUDIES	1
Akdeniz Univ	INFANTS & YOUNG CHILDREN	1
Akdeniz Univ	INFORMATICS FOR HEALTH & SOCIAL CARE	1
Akdeniz Univ	INTERNATIONAL JOURNAL OF OCCUPATIONAL MEDICINE AND ENVIRONMENTAL HEALTH	1
Akdeniz Univ	INTERNATIONAL JOURNAL OF PSYCHOLOGY	1
Akdeniz Univ	INTERNATIONAL JOURNAL OF UROLOGY	1
Akdeniz Univ	JOURNAL OF ADVANCED NURSING	1
Akdeniz Univ	JOURNAL OF AGING AND PHYSICAL ACTIVITY	1
Akdeniz Univ	JOURNAL OF BUON	1
Akdeniz Univ	JOURNAL OF CANCER EDUCATION	1
Akdeniz Univ	JOURNAL OF CATARACT AND REFRACTIVE SURGERY	1
Akdeniz Univ	JOURNAL OF CHEMICAL EDUCATION	1
Akdeniz Univ	JOURNAL OF CHILD HEALTH CARE	1
Akdeniz Univ	JOURNAL OF CONTINUING EDUCATION IN THE HEALTH PROFESSIONS	1
Akdeniz Univ	JOURNAL OF EDUCATION FOR TEACHING	1
Akdeniz Univ	JOURNAL OF INTELLECTUAL DISABILITY RESEARCH	1
Akdeniz Univ	JOURNAL OF INVESTIGATIONAL ALLERGOLOGY AND CLINICAL IMMUNOLOGY	1
Akdeniz Univ	JOURNAL OF NURSING EDUCATION	1
Akdeniz Univ	JOURNAL OF ORAL REHABILITATION	1
Akdeniz Univ	JOURNAL OF SEX & MARITAL THERAPY	1
Akdeniz Univ	JOURNAL OF THE PAKISTAN MEDICAL ASSOCIATION	1
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Univ Name	Publication Title	# of Ar
Akdeniz Univ	MEDICAL ONCOLOGY	1
Akdeniz Univ	MIDWIFERY	1
Akdeniz Univ	NEW EDUCATIONAL REVIEW	1
Akdeniz Univ	ODGOJNE ZNANOSTI-EDUCATIONAL SCIENCES	1
Akdeniz Univ	OPHTHALMIC SURGERY LASERS & IMAGING	1
Akdeniz Univ	PATIENT EDUCATION AND COUNSELING	1
Akdeniz Univ	PERCEPTUAL AND MOTOR SKILLS	1
Akdeniz Univ	PORTA LINGUARUM	1
Akdeniz Univ	RECALL	1
Akdeniz Univ	SAUDI MEDICAL JOURNAL	1
Akdeniz Univ	TEACHING AND LEARNING IN MEDICINE	1
Akdeniz Univ	TEACHING AND TEACHER EDUCATION	1
Akdeniz Univ	AUSTRALIAN JOURNAL OF GUIDANCE AND COUNSELLING	2
Akdeniz Univ	BRITISH JOURNAL OF SPORTS MEDICINE	2
Akdeniz Univ	ENERGY EDUCATION SCIENCE AND TECHNOLOGY PART B-SOCIAL AND EDUCATIONAL STUDIES	2
		2
Akdeniz Univ	ENVIRONMENTAL EDUCATION RESEARCH	
Akdeniz Univ	EURASIA JOURNAL OF MATHEMATICS SCIENCE AND TECHNOLOGY EDUCATION	2
Akdeniz Univ	INTERNATIONAL JOURNAL OF SCIENCE AND MATHEMATICS EDUCATION	2
Akdeniz Univ	INTERNATIONAL JOURNAL OF SCIENCE EDUCATION	2
Akdeniz Univ	JOURNAL OF SCIENCE EDUCATION AND TECHNOLOGY	2
Akdeniz Univ	POSTGRADUATE MEDICINE	2
Akdeniz Univ	RESEARCH IN DEVELOPMENTAL DISABILITIES	2
Akdeniz Univ	SCIENTOMETRICS	2
Akdeniz Univ	TURKISH ONLINE JOURNAL OF EDUCATIONAL TECHNOLOGY	2
Akdeniz Univ	COMPUTERS & EDUCATION	3
Akdeniz Univ	EDUCATIONAL GERONTOLOGY	3
Akdeniz Univ	NURSE EDUCATION TODAY	3
Akdeniz Univ	ASIA PACIFIC EDUCATION REVIEW	4
Akdeniz Univ	EGITIM ARASTIRMALARI-EURASIAN JOURNAL OF EDUCATIONAL RESEARCH	4
Akdeniz Univ	JOURNAL OF FOOD AGRICULTURE & ENVIRONMENT	4
Akdeniz Univ	ADVANCES IN PHYSIOLOGY EDUCATION	5
Akdeniz Univ	HACETTEPE UNIVERSITESI EGITIM FAKULTESI DERGISI-HACETTEPE UNIVERSITY JOURNAL OF EDUCATION	5
Akdeniz Univ	JOURNAL OF BALTIC SCIENCE EDUCATION	6
Akdeniz Univ	EGITIM VE BILIM-EDUCATION AND SCIENCE	14
Akdeniz Univ	KURAM VE UYGULAMADA EGITIM BILIMLERI	16
Anadolu Univ	ASSESSMENT & EVALUATION IN HIGHER EDUCATION	1
Anadolu Univ	ATLA-ALTERNATIVES TO LABORATORY ANIMALS	1
Anadolu Univ	AUSTRALASIAN JOURNAL OF EDUCATIONAL TECHNOLOGY	1
Anadolu Univ	AUTISM	1
Anadolu Univ	BRAIN INJURY	1
Anadolu Univ	BRITISH JOURNAL OF EDUCATIONAL TECHNOLOGY	1
Anadolu Univ	CLINICAL HEMORHEOLOGY AND MICROCIRCULATION	1
Anadolu Univ	COMUNICAR	1
Anadolu Univ	CYBERPSYCHOLOGY & BEHAVIOR	1
Anadolu Univ	CYBERPSYCHOLOGY BEHAVIOR AND SOCIAL NETWORKING	1
Anadolu Univ	DISABILITY AND REHABILITATION	1
Anadolu Univ	DISASTERS	1
Anadolu Univ	ENVIRONMENTAL SCIENCE AND POLLUTION RESEARCH	1
Anadolu Univ	EURASIA JOURNAL OF MATHEMATICS SCIENCE AND TECHNOLOGY EDUCATION	1
Anadolu Univ	GIFTED CHILD QUARTERLY	1
Anadolu Univ	HIGH ABILITY STUDIES	1
Anadolu Univ	HIGHER EDUCATION	1
Anadolu Univ	INFANTS & YOUNG CHILDREN	1
Anadolu Univ	INVAVIS & FOUND EMILIARIAN	1
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Anadolu Univ	INSTRUCTIONAL SCIENCE	1
Anadolu Univ	INTELLECTUAL AND DEVELOPMENTAL DISABILITIES	1
Anadolu Univ	INTERNATIONAL JOURNAL OF DISABILITY DEVELOPMENT AND EDUCATION	1
Anadolu Univ	INTERNATIONAL JOURNAL OF ELECTRICAL ENGINEERING EDUCATION	1
Anadolu Univ	INTERNATIONAL JOURNAL OF ENVIRONMENTAL RESEARCH AND PUBLIC HEALTH	1
Anadolu Univ	INTERNATIONAL JOURNAL OF INCLUSIVE EDUCATION	1

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Univ Name	Publication Title	# of Art
Anadolu Univ	INTERNATIONAL JOURNAL OF MATHEMATICAL EDUCATION IN SCIENCE AND TECHNOLOGY	1
Anadolu Univ	JOURNAL OF BALTIC SCIENCE EDUCATION	1
Anadolu Univ	JOURNAL OF POSITIVE BEHAVIOR INTERVENTIONS	1
Anadolu Univ	JOURNAL OF SPECIAL EDUCATION	1
Anadolu Univ	NEW EDUCATIONAL REVIEW	1
Anadolu Univ	PSYCHOLOGICAL REPORTS	1
Anadolu Univ	REMEDIAL AND SPECIAL EDUCATION	1
Anadolu Univ	RESEARCH AND PRACTICE FOR PERSONS WITH SEVERE DISABILITIES	1
Anadolu Univ	RESEARCH IN AUTISM SPECTRUM DISORDERS	1
Anadolu Univ	RESEARCH IN DEVELOPMENTAL DISABILITIES	1
Anadolu Univ	SYSTEM	1
Anadolu Univ	TEACHING AND TEACHER EDUCATION	1
Anadolu Univ	EDUCATION AND TRAINING IN MENTAL RETARDATION AND DEVELOPMENTAL DISABILITIES	2
Anadolu Univ	EDUCATIONAL STUDIES IN MATHEMATICS	2
Anadolu Univ	EDUCATIONAL TECHNOLOGY & SOCIETY	2
Anadolu Univ	INTERACTIVE LEARNING ENVIRONMENTS	2
Anadolu Univ	INTERNATIONAL REVIEW OF RESEARCH IN OPEN AND DISTRIBUTED LEARNING	2
Anadolu Univ	JOURNAL OF COMPUTER ASSISTED LEARNING	2
Anadolu Univ	JOURNAL OF EDUCATIONAL COMPUTING RESEARCH	2
Anadolu Univ	SCIENCE OF THE TOTAL ENVIRONMENT	2
Anadolu Univ	THINKING SKILLS AND CREATIVITY	2
Anadolu Univ	CLINICAL LINGUISTICS & PHONETICS	3
Anadolu Univ	JOURNAL OF FLUENCY DISORDERS	3
Anadolu Univ	TOPICS IN EARLY CHILDHOOD SPECIAL EDUCATION	3
Anadolu Univ	INTERNATIONAL REVIEW OF RESEARCH IN OPEN AND DISTANCE LEARNING	4
Anadolu Univ	COMPUTERS & EDUCATION	9
Anadolu Univ	EDUCATIONAL SCIENCES-THEORY & PRACTICE	9
Anadolu Univ	EDUCATION AND TRAINING IN DEVELOPMENTAL DISABILITIES	13
Anadolu Univ	EGITIM ARASTIRMALARI-EURASIAN JOURNAL OF EDUCATIONAL RESEARCH	13
Anadolu Univ	TURKISH ONLINE JOURNAL OF EDUCATIONAL TECHNOLOGY	15
Anadolu Univ	HACETTEPE UNIVERSITESI EGITIM FAKULTESI DERGISI-HACETTEPE UNIVERSITY JOURNAL OF EDUCATION	16
Anadolu Univ	EDUCATION AND TRAINING IN AUTISM AND DEVELOPMENTAL DISABILITIES	17
Anadolu Univ	EGITIM VE BILIM-EDUCATION AND SCIENCE	28
Anadolu Univ	KURAM VE UYGULAMADA EGITIM BILIMLERI	47
Ankara Univ	ACTA ORTHOPAEDICA ET TRAUMATOLOGICA TURCICA	1
Ankara Univ	ADVANCES IN SKIN & WOUND CARE	1
Ankara Univ	AIDS EDUCATION AND PREVENTION	1
Ankara Univ	AMERICAN JOURNAL OF CHINESE MEDICINE	1
Ankara Univ	ANNALS OF ALLERGY ASTHMA & IMMUNOLOGY	1
Ankara Univ	ANNALS OF CLINICAL MICROBIOLOGY AND ANTIMICROBIALS	1
Ankara Univ	ANNALS OF HUMAN BIOLOGY	1
Ankara Univ	ARCHIVES OF PSYCHIATRIC NURSING	1
Ankara Univ	ASIA PACIFIC EDUCATION REVIEW	1
Ankara Univ	AUSTRALIAN EDUCATIONAL RESEARCHER	1
Ankara Univ	BLOOD PRESSURE	1
Ankara Univ	BRITISH JOURNAL OF DEVELOPMENTAL DISABILITIES	1
Ankara Univ	BRITISH JOURNAL OF EDUCATIONAL TECHNOLOGY	1
Ankara Univ	BRITISH JOURNAL OF RELIGIOUS EDUCATION	1
Ankara Univ	CAMBRIDGE JOURNAL OF EDUCATION	1
Ankara Univ	CANCER EPIDEMIOLOGY	1
Ankara Univ	CHILD CARE HEALTH AND DEVELOPMENT	1
Ankara Univ	CHIRURGIA	1
Ankara Univ	CLINICAL ORAL IMPLANTS RESEARCH	1
Ankara Univ	COMMUNITY DENTAL HEALTH	1
Ankara Univ	COMPUTER APPLICATIONS IN ENGINEERING EDUCATION	1
Ankara Univ	CRISIS-THE JOURNAL OF CRISIS INTERVENTION AND SUICIDE PREVENTION	1
Ankara Univ	CROATIAN JOURNAL OF EDUCATION-HRVATSKI CASOPIS ZA ODGOJ I OBRAZOVANJE	1
	CYBERPSYCHOLOGY & BEHAVIOR	1
Ankara Univ		1
Ankara Univ Ankara Univ	DENTAL TRAUMATOLOGY	1

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Ankara Univ	DEVELOPMENTAL NEUROPSYCHOLOGY	1
Ankara Univ	DISASTERS	1
Ankara Univ	EDUCATIONAL MANAGEMENT ADMINISTRATION & LEADERSHIP	1
Ankara Univ	EDUCATIONAL STUDIES	1
Ankara Univ	EUROPEAN JOURNAL OF OBSTETRICS GYNECOLOGY AND REPRODUCTIVE BIOLOGY	1
Ankara Univ	EUROPEAN JOURNAL OF OPHTHALMOLOGY	1
Ankara Univ	FAMILY PRACTICE	1
Ankara Univ	FORENSIC SCIENCE INTERNATIONAL	1
Ankara Univ	HEMATOLOGY	1
Ankara Univ	HIGHER EDUCATION	1
Ankara Univ	INFANTS AND YOUNG CHILDREN	1
Ankara Univ	INTERNATIONAL JOURNAL OF ART & DESIGN EDUCATION	1
Ankara Univ	INTERNATIONAL JOURNAL OF EDUCATIONAL DEVELOPMENT	1
Ankara Univ	INTERNATIONAL JOURNAL OF ENGINEERING EDUCATION	1
Ankara Univ	INTERNATIONAL JOURNAL OF HEALTH PLANNING AND MANAGEMENT	1
Ankara Univ	INTERNATIONAL JOURNAL OF PUBLIC HEALTH	1
Ankara Univ	INTERNATIONAL JOURNAL OF SPECIAL EDUCATION	1
Ankara Univ	INTERNATIONAL REVIEW OF EDUCATION	1
Ankara Univ	INTERNATIONAL REVIEW OF RESEARCH IN OPEN AND DISTRIBUTED LEARNING	1
Ankara Univ	INTERNET AND HIGHER EDUCATION	1
Ankara Univ	JOURNAL OF CHEMICAL EDUCATION	1
Ankara Univ	JOURNAL OF CLINICAL NURSING	1
Ankara Univ	JOURNAL OF CRANIOFACIAL SURGERY	1
Ankara Univ	JOURNAL OF DEVELOPMENTAL AND BEHAVIORAL PEDIATRICS	1
Ankara Univ	JOURNAL OF EARLY CHILDHOOD TEACHER EDUCATION	1
Ankara Univ	JOURNAL OF FOOD AGRICULTURE & ENVIRONMENT	1
Ankara Univ	JOURNAL OF GENETIC COUNSELING	1
Ankara Univ	JOURNAL OF MATERNAL-FETAL & NEONATAL MEDICINE	1
Ankara Univ	JOURNAL OF NURSING SCHOLARSHIP	1
Ankara Univ	JOURNAL OF ORAL AND MAXILLOFACIAL SURGERY	1
Ankara Univ	JOURNAL OF ORAL REHABILITATION	1
Ankara Univ	JOURNAL OF RESEARCH IN READING	1
Ankara Univ	JOURNAL OF RESEARCH IN SCIENCE TEACHING	1
Ankara Univ	JOURNAL OF TROPICAL PEDIATRICS	1
Ankara Univ	JOURNAL OF VETERINARY MEDICAL EDUCATION	1
Ankara Univ	LARYNGOSCOPE	1
Ankara Univ	LATERALITY	1
Ankara Univ	MEDICAL EDUCATION ONLINE	1
Ankara Univ	MEDICAL ONCOLOGY	1
Ankara Univ	MEDICAL TEACHER	1
Ankara Univ	MOUNTAIN RESEARCH AND DEVELOPMENT	1
Ankara Univ	NURSING ETHICS	1
Ankara Univ	ORAL HEALTH & PREVENTIVE DENTISTRY	1
Ankara Univ	PEDIATRIC ALLERGY AND IMMUNOLOGY	1
Ankara Univ	PEDIATRICS INTERNATIONAL	1
Ankara Univ	PHARMACOEPIDEMIOLOGY AND DRUG SAFETY	1
Ankara Univ	RADIOLOGIA MEDICA	1
Ankara Univ	RESEARCH IN SCIENCE EDUCATION	1
Ankara Univ	SAUDI MEDICAL JOURNAL	1
Ankara Univ	SCIENCE AND ENGINEERING ETHICS	1
Ankara Univ	TEACHING AND LEARNING IN MEDICINE	1
Ankara Univ	TECHNOLOGY PEDAGOGY AND EDUCATION	1
Ankara Univ	TOPICS IN EARLY CHILDHOOD SPECIAL EDUCATION	1
Ankara Univ	URBAN EDUCATION	1
Ankara Univ	UROLOGIC ONCOLOGY-SEMINARS AND ORIGINAL INVESTIGATIONS	1
Ankara Univ	ASIAN PACIFIC JOURNAL OF CANCER PREVENTION	2
Ankara Univ	COMPARATIVE EDUCATION	2
Ankara Univ	CUKUROVA Univ FACULTY OF EDUCATION JOURNAL	2
Ankara Univ	ECOLOGY OF FOOD AND NUTRITION	2
Ankara Univ	ENERGY EDUCATION SCIENCE AND TECHNOLOGY PART B-SOCIAL AND EDUCATIONAL STUDIES	2

Univ Name	Publication Title	# of Arti
Ankara Univ	GENDER AND EDUCATION	2
Ankara Univ	INFANTS & YOUNG CHILDREN	2
Ankara Univ	JOURNAL FOR CRITICAL EDUCATION POLICY STUDIES	2
Ankara Univ	NEUROSURGERY	2
Ankara Univ	TRANSPLANTATION PROCEEDINGS	2
Ankara Univ	WORLD NEUROSURGERY	2
Ankara Univ	AUSTRALIAN JOURNAL OF GUIDANCE AND COUNSELLING	3
Ankara Univ	CHILD ABUSE & NEGLECT	3
Ankara Univ	COMPUTERS & EDUCATION	3
Ankara Univ	EDUCATIONAL SCIENCES-THEORY & PRACTICE	3
Ankara Univ	EDUCATIONAL TECHNOLOGY & SOCIETY	3
Ankara Univ	INTERNATIONAL REVIEW OF RESEARCH IN OPEN AND DISTANCE LEARNING	3
Ankara Univ	JOURNAL OF DEAF STUDIES AND DEAF EDUCATION	3
Ankara Univ	JOURNAL OF DENTAL EDUCATION	3
Ankara Univ	PERCEPTUAL AND MOTOR SKILLS	3
Ankara Univ	PSYCHOLOGICAL REPORTS	3
Ankara Univ	RESEARCH IN AUTISM SPECTRUM DISORDERS	3
Ankara Univ	TURKISH ONLINE JOURNAL OF EDUCATIONAL TECHNOLOGY	3
Ankara Univ	JOURNAL OF CANCER EDUCATION	4
Ankara Univ	EGITIM ARASTIRMALARI-EURASIAN JOURNAL OF EDUCATIONAL RESEARCH	13
Ankara Univ	HACETTEPE UNIVERSITESI EGITIM FAKULTESI DERGISI-HACETTEPE UNIVERSITY JOURNAL OF EDUCATION	27
Ankara Univ	KURAM VE UYGULAMADA EGITIM BILIMLERI	36
Ankara Univ	EGITIM VE BILIM-EDUCATION AND SCIENCE	80
Ataturk Univ	AUSTRALASIAN JOURNAL OF EDUCATIONAL TECHNOLOGY	1
Ataturk Univ	BMC MEDICAL EDUCATION	1
Ataturk Univ	COLLEGIUM ANTROPOLOGICUM	1
Ataturk Univ	COMPREHENSIVE PSYCHIATRY	1
Ataturk Univ	COMUNICAR	1
Ataturk Univ	CONTEMPORARY NURSE	1
Ataturk Univ	EDUCATIONAL SCIENCES-THEORY & PRACTICE	1
Ataturk Univ	EDUCATIONAL STUDIES	1
Ataturk Univ	ETR&D-EDUCATIONAL TECHNOLOGY RESEARCH AND DEVELOPMENT	1
Ataturk Univ	FOLIA MORPHOLOGICA	1
Ataturk Univ	INTERNATIONAL JOURNAL OF DEVELOPMENTAL DISABILITIES	1
Ataturk Univ	INTERNATIONAL JOURNAL OF EPIDEMIOLOGY	1
Ataturk Univ	INTERNATIONAL JOURNAL OF MATHEMATICAL EDUCATION IN SCIENCE AND TECHNOLOGY	1
Ataturk Univ	INTERNATIONAL JOURNAL OF PAEDIATRIC DENTISTRY	1
Ataturk Univ	INTERNATIONAL JOURNAL OF PEDIATRIC OTORHINOLARYNGOLOGY	1
Ataturk Univ	INTERNATIONAL JOURNAL OF SCIENCE EDUCATION	1
Ataturk Univ	INTERNATIONAL JOURNAL OF TECHNOLOGY AND DESIGN EDUCATION	1
Ataturk Univ	INTERNATIONAL NURSING REVIEW	1
Ataturk Univ	INTERNATIONAL REVIEW OF RESEARCH IN OPEN AND DISTANCE LEARNING	1
Ataturk Univ	JCPSP-JOURNAL OF THE COLLEGE OF PHYSICIANS AND SURGEONS PAKISTAN	1
Ataturk Univ	JOURNAL OF BIOLOGICAL EDUCATION	1
Ataturk Univ	JOURNAL OF CLINICAL NURSING	1
Ataturk Univ	JOURNAL OF EXPERIMENTAL EDUCATION	1
Ataturk Univ	JOURNAL OF INFECTION IN DEVELOPING COUNTRIES	1
Ataturk Univ	JOURNAL OF PEDIATRIC AND ADOLESCENT GYNECOLOGY	1
Ataturk Univ	JOURNAL OF RESEARCH IN SCIENCE TEACHING	1
Ataturk Univ	JOURNAL OF THE SCIENCE OF FOOD AND AGRICULTURE	1
Ataturk Univ	LEARNING AND INSTRUCTION	1
Ataturk Univ	OSTEOPOROSIS INTERNATIONAL	1
	PATIENT EDUCATION AND COUNSELING	1
Ataturk Univ	PATIENT EDUCATION AND COUNSELING PERCEPTUAL AND MOTOR SKILLS	1
Ataturk Univ		
Ataturk Univ	PUBLIC HEALTH NURSING	1
Ataturk Univ	SAUDI MEDICAL JOURNAL	1
Ataturk Univ Ataturk Univ	SCIENCE & EDUCATION	1
	SCIENTOMETRICS	1
Ataturk Univ	TEACHERS AND TEACHING	1

Univ Name	Publication Title	# of Article
Ataturk Univ	ASIA PACIFIC EDUCATION REVIEW	2
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Hacettepe Univ	EDUCATIONAL PSYCHOLOGIST	1
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Hacettepe Univ	ENERGY EDUCATION SCIENCE AND TECHNOLOGY PART B-SOCIAL AND EDUCATIONAL STUDIES	1
Hacettepe Univ	ENVIRONMENTAL EDUCATION RESEARCH	1
Hacettepe Univ	EUROPEAN ARCHIVES OF OTO-RHINO-LARYNGOLOGY	1
Hacettepe Univ	EUROPEAN JOURNAL OF CONTRACEPTION AND REPRODUCTIVE HEALTH CARE	1
Hacettepe Univ	EUROPEAN JOURNAL OF OBSTETRICS GYNECOLOGY AND REPRODUCTIVE BIOLOGY	1
Hacettepe Univ	EUROPEAN JOURNAL OF PHYSICAL AND REHABILITATION MEDICINE	1
Hacettepe Univ	EUROPEAN PHYSICAL EDUCATION REVIEW	1
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Hacettepe Univ	GENETIC COUNSELING	1
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Hacettepe Univ	INTERNATIONAL JOURNAL OF EDUCATIONAL RESEARCH	1
Hacettepe Univ	INTERNATIONAL JOURNAL OF ENGINEERING EDUCATION	1
Hacettepe Univ	INTERNATIONAL JOURNAL OF GYNECOLOGY & OBSTETRICS	1
Hacettepe Univ	International Journal of Mathematical Education in Science and Technology	1
Hacettepe Univ	INTERNATIONAL JOURNAL OF OFFENDER THERAPY AND COMPARATIVE CRIMINOLOGY	1
Hacettepe Univ	INTERNATIONAL JOURNAL OF ORAL & MAXILLOFACIAL IMPLANTS	1
Hacettepe Univ	INTERNATIONAL JOURNAL OF SCIENCE AND MATHEMATICS EDUCATION	1
Hacettepe Univ	INTERNATIONAL NURSING REVIEW	1
Hacettepe Univ	INTERNET AND HIGHER EDUCATION	1
Hacettepe Univ	JAPANESE JOURNAL OF INFECTIOUS DISEASES	1
Hacettepe Univ	JOURNAL OF ADVANCED NURSING	1
Hacettepe Univ	JOURNAL OF ASTHMA	1
Hacettepe Univ	JOURNAL OF BIOLOGICAL EDUCATION	1
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Hacettepe Univ	JOURNAL OF CLINICAL ETHICS	1
Hacettepe Univ	JOURNAL OF DEVELOPMENTAL AND BEHAVIORAL PEDIATRICS	1
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Hacettepe Univ	JOURNAL OF EARLY CHILDHOOD TEACHER EDUCATION	1
Hacettepe Univ	JOURNAL OF ECT	1
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Hacettepe Univ	JOURNAL OF EDUCATIONAL COMPUTING RESEARCH	1
Hacettepe Univ	JOURNAL OF EDUCATIONAL RESEARCH	1
Hacettepe Univ	JOURNAL OF GENERAL EDUCATION	1
Hacettepe Univ	JOURNAL OF INVESTIGATIONAL ALLERGOLOGY AND CLINICAL IMMUNOLOGY	1
Hacettepe Univ	JOURNAL OF NURSING EDUCATION	1
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Hacettepe Univ	MEDICAL EDUCATION	1
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Hacettepe Univ	MIKROBIYOLOJI BULTENI	1
Hacettepe Univ	MILITARY MEDICINE	1
Hacettepe Univ	NURSE EDUCATION TODAY	1
Hacettepe Univ	NURSING ETHICS	1
Hacettepe Univ	OMEGA-JOURNAL OF DEATH AND DYING	1
Hacettepe Univ	ORAL SURGERY ORAL MEDICINE ORAL PATHOLOGY ORAL RADIOLOGY AND ENDODONTOLOGY	1
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Hacettepe Univ	PEDIATRIC NEUROLOGY	1
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Hacettepe Univ	TESOL QUARTERLY	1
Hacettepe Univ	WASTE MANAGEMENT	1
Hacettepe Univ	WORLD JOURNAL OF PEDIATRICS	1
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Hacettepe Univ	ASIA-PACIFIC EDUCATION RESEARCHER	2
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Hacettepe Univ	CANCER NURSING	2
Hacettepe Univ	CENTRAL EUROPEAN JOURNAL OF PUBLIC HEALTH	2
Hacettepe Univ	EUROPEAN JOURNAL OF EMERGENCY MEDICINE	2
Hacettepe Univ	HEALTH EDUCATION JOURNAL	2
Hacettepe Univ	INTERNATIONAL JOURNAL OF NURSING STUDIES	2
Hacettepe Univ	INTERNATIONAL JOURNAL OF PEDIATRIC OTORHINOLARYNGOLOGY	2
Hacettepe Univ	INTERNATIONAL JOURNAL OF PERIODONTICS & RESTORATIVE DENTISTRY	2
Hacettepe Univ	JOURNAL OF APPLIED PHYSIOLOGY	2
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Hacettepe Univ	JOURNAL OF SURGICAL EDUCATION	2
Hacettepe Univ	JOURNAL OF THE NATIONAL MEDICAL ASSOCIATION	2
Hacettepe Univ	MEDICAL EDUCATION ONLINE	2
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Hacettepe Univ	PEDIATRIC ALLERGY AND IMMUNOLOGY	2
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Hacettepe Univ	SOUTH AFRICAN JOURNAL OF EDUCATION	2
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Istanbul Univ	ACTA NEUROLOGICA BELGICA	1
Istanbul Univ	ALZHEIMER DISEASE & ASSOCIATED DISORDERS	1
Istanbul Univ	AMERICAN JOURNAL OF ORTHODONTICS AND DENTOFACIAL ORTHOPEDICS	1
Istanbul Univ	ANADOLU KARDIYOLOJI DERGISI-THE ANATOLIAN JOURNAL OF CARDIOLOGY	1
Istanbul Univ	ANNALES FRANCAISES D ANESTHESIE ET DE REANIMATION	1
Istanbul Univ	ANNALS OF CLINICAL MICROBIOLOGY AND ANTIMICROBIALS	1
Istanbul Univ	ARCHIVES OF GERONTOLOGY AND GERIATRICS	1
Istanbul Univ	ARCHIVES OF SURGERY	1
Istanbul Univ	ASIAN PACIFIC JOURNAL OF ALLERGY AND IMMUNOLOGY	1
Istanbul Univ	AUTISM	1
Istanbul Univ	BMC INFECTIOUS DISEASES	1
Istanbul Univ	CANCER EPIDEMIOLOGY	1
		1
Istanbul Univ	CANCER NURSING	1
Istanbul Univ	CENTRAL EUROPEAN JOURNAL OF PUBLIC HEALTH	1
Istanbul Univ	CHILD CARE HEALTH AND DEVELOPMENT	1
Istanbul Univ	CLIMACTERIC	1
Istanbul Univ	CLINICAL ANATOMY	1
Istanbul Univ	CLINICAL BIOCHEMISTRY	1
Istanbul Univ	CLINICAL NEUROLOGY AND NEUROSURGERY	1
Istanbul Univ	CLINICAL RESPIRATORY JOURNAL	1
Istanbul Univ	COMPUTERS & EDUCATION	1
Istanbul Univ	CONTRACEPTION	1
Istanbul Univ	CRANIO-THE JOURNAL OF CRANIOMANDIBULAR PRACTICE	1
Istanbul Univ	CYBERPSYCHOLOGY & BEHAVIOR	1
Istanbul Univ	DYSLEXIA	1
Istanbul Univ	EATING AND WEIGHT DISORDERS-STUDIES ON ANOREXIA BULIMIA AND OBESITY	1
Istanbul Univ	EDUCATIONAL PSYCHOLOGY	1
Istanbul Univ	EDUCATIONAL SCIENCES-THEORY & PRACTICE	1
Istanbul Univ	EDUCATIONAL STUDIES	1
Istanbul Univ	EDUCATIONAL TECHNOLOGY & SOCIETY	1
Istanbul Univ	EURASIA JOURNAL OF MATHEMATICS SCIENCE AND TECHNOLOGY EDUCATION	1
Istanbul Univ	EUROPEAN EATING DISORDERS REVIEW	1
Istanbul Univ	EUROPEAN JOURNAL OF CARDIO-THORACIC SURGERY	1
Istanbul Univ	EUROPEAN JOURNAL OF CLINICAL NUTRITION	1
Istanbul Univ	EUROPEAN JOURNAL OF CLINICAL PHARMACOLOGY	1
Istanbul Univ	EUROPEAN JOURNAL OF PHYSICAL AND REHABILITATION MEDICINE	1
Istanbul Univ	EUROPEAN JOURNAL OF TEACHER EDUCATION	1
Istanbul Univ	EUROPEAN UROLOGY	1
Istanbul Univ	HUMAN VACCINES & IMMUNOTHERAPEUTICS	1
Istanbul Univ	INDIAN JOURNAL OF PEDIATRICS	1
Istanbul Univ	INDIAN JOURNAL OF PHARMACEUTICAL EDUCATION AND RESEARCH	1
Istanbul Univ	INDIAN JOURNAL OF PHARMACEU HEAL EDUCATION AND RESEARCH INFORMATICS FOR HEALTH & SOCIAL CARE	1
Istanbul Univ	INTERNATIONAL JOURNAL OF ENGINEERING EDUCATION	1
Istanbul Univ	INTERNATIONAL JOURNAL OF ORAL AND MAXILLOFACIAL SURGERY	1
Istanbul Univ	INTERNATIONAL JOURNAL OF PEDIATRIC OTORHINOLARYNGOLOGY	1
Istanbul Univ	INTERNATIONAL JOURNAL OF POLITICAL EDUCATION	1
Istanbul Univ	INTERNATIONAL JOURNAL OF RHEUMATIC DISEASES	1
Istanbul Univ	INTERNATIONAL JOURNAL OF SCIENCE EDUCATION	1
Istanbul Univ	INTERNATIONAL JOURNAL OF TUBERCULOSIS AND LUNG DISEASE	1
Istanbul Univ	INTERNATIONAL REVIEW OF RESEARCH IN OPEN AND DISTANCE LEARNING	1
Istanbul Univ	ISRAEL MEDICAL ASSOCIATION JOURNAL	1
Istanbul Univ	IUBMB LIFE	1
Istanbul Univ	JANAC-JOURNAL OF THE ASSOCIATION OF NURSES IN AIDS CARE	1
Istanbul Univ	JOURNAL OF ADVANCED NURSING	1
Istanbul Univ	JOURNAL OF AFFECTIVE DISORDERS	1
Istanbul Univ	JOURNAL OF BALTIC SCIENCE EDUCATION	1

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Istanbul Univ	JOURNAL OF CARDIOTHORACIC SURGERY	1
stanbul Univ	JOURNAL OF CATARACT AND REFRACTIVE SURGERY	1
lstanbul Univ	JOURNAL OF CHEMICAL EDUCATION	1
Istanbul Univ	JOURNAL OF CLINICAL NEUROSCIENCE	1
Istanbul Univ	JOURNAL OF CLINICAL NURSING	1
Istanbul Univ	JOURNAL OF CLINICAL PHARMACOLOGY	1
Istanbul Univ	JOURNAL OF CRANIOFACIAL SURGERY	1
Istanbul Univ	JOURNAL OF ENVIRONMENTAL BIOLOGY	1
Istanbul Univ	JOURNAL OF LANGUAGE IDENTITY AND EDUCATION	1
Istanbul Univ	JOURNAL OF NURSING SCHOLARSHIP	1
Istanbul Univ	JOURNAL OF OBSTETRICS AND GYNAECOLOGY RESEARCH	1
Istanbul Univ	JOURNAL OF ORAL AND MAXILLOFACIAL SURGERY	1
Istanbul Univ	JOURNAL OF ORAL IMPLANTOLOGY	1
Istanbul Univ	JOURNAL OF PROSTHETIC DENTISTRY	1
Istanbul Univ	JOURNAL OF THE PAKISTAN MEDICAL ASSOCIATION	1
Istanbul Univ	JOURNAL OF TRAUMA & DISSOCIATION	1
Istanbul Univ	LEARNING DISABILITIES RESEARCH & PRACTICE	1
Istanbul Univ	MEDICAL HYPOTHESES	1
Istanbul Univ	MENOPAUSE-THE JOURNAL OF THE NORTH AMERICAN MENOPAUSE SOCIETY	1
Istanbul Univ	MINERVA PEDIATRICA	1
Istanbul Univ	MOLECULAR MEDICINE	1
Istanbul Univ	NEUROSURGERY	1
Istanbul Univ	NURSE EDUCATION IN PRACTICE	1
Istanbul Univ	NURSING & HEALTH SCIENCES	1
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Istanbul Univ	OCCUPATIONAL MEDICINE-OXFORD	1
Istanbul Univ	OSTEOPOROSIS INTERNATIONAL	1
Istanbul Univ	PEDIATRIC DERMATOLOGY	1
Istanbul Univ	PSYCHIATRY AND CLINICAL NEUROSCIENCES	1
Istanbul Univ	PSYCHIATRY RESEARCH	1
Istanbul Univ	PSYCHOLOGICAL REPORTS	1
Istanbul Univ	REPRODUCTIVE HEALTH MATTERS	1
Istanbul Univ	RESEARCH IN AUTISM SPECTRUM DISORDERS	1
Istanbul Univ	RESEARCH IN SCIENCE EDUCATION	1
Istanbul Univ	SAUDI MEDICAL JOURNAL	1
Istanbul Univ	SCIENTIFIC WORLD JOURNAL	1
Istanbul Univ	SEIZURE-EUROPEAN JOURNAL OF EPILEPSY	1
Istanbul Univ	SPINAL CORD	1
Istanbul Univ	THINKING SKILLS AND CREATIVITY	1
Istanbul Univ	TURK PSIKIYATRI DERGISI	1
Istanbul Univ	TURKISH JOURNAL OF FISHERIES AND AQUATIC SCIENCES	1
Istanbul Univ	UNDERSEA AND HYPERBARIC MEDICINE	1
Istanbul Univ	UROLOGIA INTERNATIONALIS	1
Istanbul Univ	COMPREHENSIVE PSYCHIATRY	2
Istanbul Univ	CONTEMPORARY NURSE	2
Istanbul Univ	EUROPEAN JOURNAL OF DENTAL EDUCATION	2
Istanbul Univ	EUROPEAN JOURNAL OF ONCOLOGY NURSING	2
Istanbul Univ	EUROPEAN JOURNAL OF PEDIATRICS	2
Istanbul Univ	ISRAEL JOURNAL OF PSYCHIATRY AND RELATED SCIENCES	2
Istanbul Univ	JOURNAL OF TROPICAL PEDIATRICS	2
Istanbul Univ	NEW EDUCATIONAL REVIEW	2
Istanbul Univ	RESEARCH IN SCIENCE & TECHNOLOGICAL EDUCATION	2
Istanbul Univ	TURKISH JOURNAL OF PEDIATRICS	2
Istanbul Univ	ASIAN PACIFIC JOURNAL OF CANCER PREVENTION	3
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Istanbul Univ	JOURNAL OF DENTAL EDUCATION	4
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Istanbul Univ	EGITIM VE BILIM-EDUCATION AND SCIENCE	7
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Istanbul Univ	KURAM VE UYGULAMADA EGITIM BILIMLERI	9
Istanbul Univ	NURSE EDUCATION TODAY	9
Karadeniz Tech Univ	ALLERGOLOGIA ET IMMUNOPATHOLOGIA	1
Karadeniz Tech Univ	AMERICAN JOURNAL OF PHYSICS	1
Karadeniz Tech Univ	ANNALS OF CLINICAL MICROBIOLOGY AND ANTIMICROBIALS	1
Karadeniz Tech Univ	AUSTRALASIAN JOURNAL OF EDUCATIONAL TECHNOLOGY	1
Karadeniz Tech Univ	AUSTRALIAN JOURNAL OF TEACHER EDUCATION	1
Karadeniz Tech Univ	BRITISH JOURNAL OF EDUCATIONAL TECHNOLOGY	1
Karadeniz Tech Univ	CLINICAL AND EXPERIMENTAL ALLERGY	1
Karadeniz Tech Univ	COLLEGIUM ANTROPOLOGICUM	1
Karadeniz Tech Univ	CUKUROVA Univ FACULTY OF EDUCATION JOURNAL	1
Karadeniz Tech Univ	CYBERPSYCHOLOGY BEHAVIOR AND SOCIAL NETWORKING	1
Karadeniz Tech Univ	DIDACTICA SLOVENICA-PEDAGOSKA OBZORJA	1
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Karadeniz Tech Univ	JOURNAL OF BIOLOGICAL EDUCATION	1
Karadeniz Tech Univ	JOURNAL OF COMMUNITY HEALTH	1
Karadeniz Tech Univ	JOURNAL OF COMPUTER ASSISTED LEARNING	1
Karadeniz Tech Univ	JOURNAL OF COMPONENTIAL ELEMANNO	1
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Karadeniz Tech Univ	JOURNAL OF INVESTIGATIONAL ALLERGOLOGY AND CLINICAL IMMUNOLOGY	1
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Karadeniz Tech Univ	MEDICAL ONCOLOGY	1
Karadeniz Tech Univ	OBESITY RESEARCH	1
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Karadeniz Tech Univ	PSYCHOLOGICAL REPORTS	1
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Marmara Univ	AMERICAN JOURNAL OF INDUSTRIAL MEDICINE	1
Marmara Univ	AMERICAN JOURNAL OF ORTHODONTICS AND DENTOFACIAL ORTHOPEDICS	1
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Marmara Univ	BMC COMPLEMENTARY AND ALTERNATIVE MEDICINE	
Marmara Univ	BRITISH EDUCATIONAL RESEARCH JOURNAL	1
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Marmara Univ	COMMUNITY MENTAL HEALTH JOURNAL	1
Marmara Univ	COMPUTERS & EDUCATION	1
Marmara Univ	CURRENT DRUG DELIVERY	1
Marmara Univ	CYBERPSYCHOLOGY BEHAVIOR AND SOCIAL NETWORKING	1
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Marmara Univ	EUROPEAN JOURNAL OF DENTAL EDUCATION	1
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Marmara Univ	FORENSIC SCIENCE INTERNATIONAL	1
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Marmara Univ	INDIAN JOURNAL OF PEDIATRICS	1
Marmara Univ	INTELLECTUAL AND DEVELOPMENTAL DISABILITIES	1
Marmara Univ	INTERNATIONAL ENDODONTIC JOURNAL	1
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Marmara Univ Marmara Univ	INTERNATIONAL JOURNAL OF PUBLIC HEALTH	1
	ISSUES IN EDUCATIONAL RESEARCH	1
Marmara Univ	JAPANESE JOURNAL OF INFECTIOUS DISEASES	1
Marmara Univ	JOURNAL OF BUON	1
Marmara Univ	JOURNAL OF CLINICAL NURSING	1
Marmara Univ	JOURNAL OF EARLY INTERVENTION	1
Marmara Univ	JOURNAL OF FORENSIC SCIENCES	1
Marmara Univ	JOURNAL OF LANGUAGE IDENTITY AND EDUCATION	1
Marmara Univ	JOURNAL OF MEDICAL ETHICS	1
Marmara Univ	JOURNAL OF PAEDIATRICS AND CHILD HEALTH	1
Marmara Univ	JOURNAL OF RESEARCH IN SCIENCE TEACHING	1
Marmara Univ	JOURNAL OF SCHOOL NURSING	1
Marmara Univ	JOURNAL OF SCHOOL PSYCHOLOGY	1
Marmara Univ	JOURNAL OF SURGICAL EDUCATION	1
Marmara Univ	JOURNAL OF THE AMERICAN COLLEGE OF NUTRITION	1
Marmara Univ	JOURNAL OF THE PAKISTAN MEDICAL ASSOCIATION	1
Marmara Univ	KNEE SURGERY SPORTS TRAUMATOLOGY ARTHROSCOPY	1

Table B.1 – continued from previous page	
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Univ Name	Publication Title	# of Art
Marmara Univ	LARYNGOSCOPE	1
Marmara Univ	MENOPAUSE-THE JOURNAL OF THE NORTH AMERICAN MENOPAUSE SOCIETY	1
Marmara Univ	NURSE EDUCATION TODAY	1
Marmara Univ	OPTOMETRY AND VISION SCIENCE	1
Marmara Univ	ORAL HEALTH & PREVENTIVE DENTISTRY	1
Marmara Univ	PEDIATRIC ANESTHESIA	1
Marmara Univ	PEDIATRIC HEMATOLOGY AND ONCOLOGY	1
Marmara Univ	PEDIATRICS INTERNATIONAL	1
Marmara Univ	PHARMACOEPIDEMIOLOGY AND DRUG SAFETY	1
Marmara Univ	PHARMACY WORLD & SCIENCE	1
Marmara Univ	PSYCHIATRY AND CLINICAL NEUROSCIENCES	1
Marmara Univ	RESEARCH IN SCIENCE EDUCATION	1
Marmara Univ	SCANDINAVIAN JOURNAL OF EDUCATIONAL RESEARCH	1
Marmara Univ	SEIZURE-EUROPEAN JOURNAL OF EPILEPSY	1
Marmara Univ	TOPICS IN EARLY CHILDHOOD SPECIAL EDUCATION	1
Marmara Univ	TRANSPLANTATION PROCEEDINGS	1
Marmara Univ	TURK PSIKIYATRI DERGISI	1
Marmara Univ	TURKISH JOURNAL OF FISHERIES AND AQUATIC SCIENCES	1
Marmara Univ	TURKISH JOURNAL OF GASTROENTEROLOGY	1
Marmara Univ	ASIAN PACIFIC JOURNAL OF CANCER PREVENTION	2
Marmara Univ	BMC MEDICAL EDUCATION	2
Marmara Univ	EUROPEAN EARLY CHILDHOOD EDUCATION RESEARCH JOURNAL	2
Marmara Univ	EUROPEAN JOURNAL OF TEACHER EDUCATION	2
Marmara Univ	GERODONTOLOGY	2
Marmara Univ	JOURNAL OF BALTIC SCIENCE EDUCATION	2
Marmara Univ	JOURNAL OF SCIENCE EDUCATION AND TECHNOLOGY	2
Marmara Univ	NEW EDUCATIONAL REVIEW	2
Marmara Univ	RESEARCH IN SCIENCE & TECHNOLOGICAL EDUCATION	2
Marmara Univ	SCIENCE & EDUCATION	2
Marmara Univ	TEACHERS AND TEACHING	2
		2
Marmara Univ	EDUCATIONAL STUDIES	
Marmara Univ	EUROPEAN JOURNAL OF CLINICAL PHARMACOLOGY	3
Marmara Univ	JOURNAL OF CANCER EDUCATION	3
Marmara Univ	MEDICAL TEACHER	3
Marmara Univ	SCIENCE EDUCATION	3
Marmara Univ	EDUCATIONAL SCIENCES-THEORY & PRACTICE	4
Marmara Univ	ENERGY EDUCATION SCIENCE AND TECHNOLOGY PART B-SOCIAL AND EDUCATIONAL STUDIES	4
Marmara Univ	INTERNATIONAL JOURNAL OF SCIENCE AND MATHEMATICS EDUCATION	4
Marmara Univ	INTERNATIONAL JOURNAL OF SCIENCE EDUCATION	4
Marmara Univ	JOURNAL OF CHEMICAL EDUCATION	4
Marmara Univ	EURASIA JOURNAL OF MATHEMATICS SCIENCE AND TECHNOLOGY EDUCATION	5
Marmara Univ	EGITIM ARASTIRMALARI-EURASIAN JOURNAL OF EDUCATIONAL RESEARCH	7
Marmara Univ	INTERNATIONAL JOURNAL OF ENGINEERING EDUCATION	7
Marmara Univ	COMPUTER APPLICATIONS IN ENGINEERING EDUCATION	8
Marmara Univ	TURKISH ONLINE JOURNAL OF EDUCATIONAL TECHNOLOGY	9
Marmara Univ	EGITIM VE BILIM-EDUCATION AND SCIENCE	17
Marmara Univ	HACETTEPE UNIVERSITESI EGITIM FAKULTESI DERGISI-HACETTEPE UNIVERSITY JOURNAL OF EDUCATION	21
Marmara Univ	KURAM VE UYGULAMADA EGITIM BILIMLERI	46
METU	AUSTRALIAN JOURNAL OF TEACHER EDUCATION	1
METU	BEHAVIOURAL AND COGNITIVE PSYCHOTHERAPY	1
METU	BIOCHEMICAL EDUCATION	1
METU	BIOMATERIALS: FROM MOLECULES TO ENGINEERED TISSUES	1
METU	CHILD CARE HEALTH AND DEVELOPMENT	1
METU	CLINICAL PSYCHOLOGY & PSYCHOTHERAPY	1
METU	COMPARE-A JOURNAL OF COMPARATIVE AND INTERNATIONAL EDUCATION	1
METU	COMPUTER APPLICATIONS IN ENGINEERING EDUCATION	1
METU	COMPUTER ASSISTED LANGUAGE LEARNING	1
METU	CUKUROVA Univ FACULTY OF EDUCATION JOURNAL	1
METU	CYBERPSYCHOLOGY & BEHAVIOR	1
		1

Table B.1 – continu	ed from previous page
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Univ Name	Publication Title	# of Artic
METU	EDUCATION 3-13	1
METU	EDUCATIONAL MANAGEMENT ADMINISTRATION & LEADERSHIP	1
METU	EDUCATIONAL RESEARCH	1
METU	ELT JOURNAL	1
METU	ENERGY EDUCATION SCIENCE AND TECHNOLOGY PART B-SOCIAL AND EDUCATIONAL STUDIES	1
METU	EUROPEAN EATING DISORDERS REVIEW	1
METU	EUROPEAN JOURNAL OF PHYSICS	1
METU	EUROPEAN PHYSICAL EDUCATION REVIEW	1
METU	HEALTH PSYCHOLOGY	1
METU	INTERNATIONAL JOURNAL OF ELECTRICAL ENGINEERING EDUCATION	1
METU	INTERNATIONAL JOURNAL OF INCLUSIVE EDUCATION	1
METU	INTERNATIONAL JOURNAL OF OFFENDER THERAPY AND COMPARATIVE CRIMINOLOGY	1
METU	INTERNATIONAL JOURNAL OF SOCIAL PSYCHIATRY	1
METU	INTERNATIONAL JOURNAL OF TECHNOLOGY AND DESIGN EDUCATION	1
METU	INTERNET AND HIGHER EDUCATION	1
METU	JOURNAL FOR RESEARCH IN MATHEMATICS EDUCATION	1
METU	JOURNAL OF AMERICAN COLLEGE HEALTH	1
METU	JOURNAL OF ANXIETY DISORDERS	1
METU	JOURNAL OF CHILD PSYCHOLOGY AND PSYCHIATRY AND ALLIED DISCIPLINES	1
METU	JOURNAL OF COLLEGE STUDENT DEVELOPMENT	1
METU	JOURNAL OF CURRICULUM STUDIES	1
METU	JOURNAL OF EDUCATION FOR TEACHING	1
METU	JOURNAL OF PHYSICAL ACTIVITY & HEALTH	1
METU	JOURNAL OF TEACHING IN PHYSICAL EDUCATION	1
METU	LARYNGOSCOPE	1
METU	MEDICAL & BIOLOGICAL ENGINEERING & COMPUTING	1
METU	MEMORY	1
METU	OMEGA-JOURNAL OF DEATH AND DYING	1
METU	PATIENT EDUCATION AND COUNSELING	1
METU	PHYSICS IN MEDICINE AND BIOLOGY	1
METU	PORTA LINGUARUM	1
METU	RECALL	1
METU	RESEARCH IN HIGHER EDUCATION	1
METU	RESUSCITATION	1
METU	SCANDINAVIAN JOURNAL OF EDUCATIONAL RESEARCH	1
METU	SCIENTOMETRICS	1
METU	SOCIAL PSYCHIATRY AND PSYCHIATRIC EPIDEMIOLOGY	1
METU	TEACHERS COLLEGE RECORD	1
METU	URBAN EDUCATION	1
METU	WASTE MANAGEMENT	1
METU	ASSESSMENT & EVALUATION IN HIGHER EDUCATION	2
METU	AUSTRALASIAN JOURNAL OF EDUCATIONAL TECHNOLOGY	2
METU	AUSTRALIAN JOURNAL OF GUIDANCE AND COUNSELLING	2
METU	BIOCHEMISTRY AND MOLECULAR BIOLOGY EDUCATION	2
METU	EARLY CHILDHOOD RESEARCH QUARTERLY	2
METU	ECONOMICS OF EDUCATION REVIEW	2
METU	EDUCATIONAL GERONTOLOGY	2
METU	EDUCATIONAL PSYCHOLOGY	2
METU	EDUCATIONAL SCIENCES-THEORY & PRACTICE	2
METU	EDUCATIONAL TECHNOLOGY RESEARCH AND DEVELOPMENT	2
METU	FOREIGN LANGUAGE ANNALS	2
METU	INSTRUCTIONAL SCIENCE	2
METU	INSTRUCTIONAL SCIENCE INTERNATIONAL JOURNAL OF ENGINEERING EDUCATION	2
METU	INTERNATIONAL JOURNAL OF ENGINEERING EDUCATION INTERNATIONAL REVIEW OF RESEARCH IN OPEN AND DISTANCE LEARNING	2
METU	JOURNAL OF BIOLOGICAL EDUCATION	2
	JOURNAL OF BIOLOGICAL EDUCATION JOURNAL OF DENTAL EDUCATION	2
METU		
METU	JOURNAL OF EDUCATIONAL COMPUTING RESEARCH	2
METU	JOURNAL OF EXPERIMENTAL EDUCATION	2
METU	JOURNAL OF PROFESSIONAL ISSUES IN ENGINEERING EDUCATION AND PRACTICE	2
METU	JOURNAL OF SOCIAL PSYCHOLOGY	2

Univ Name	Publication Title	# of Artic				
METU	PHYSICAL REVIEW SPECIAL TOPICS-PHYSICS EDUCATION RESEARCH					
METU	TEACHING IN HIGHER EDUCATION	2				
METU	ADOLESCENCE	3				
METU	DEATH STUDIES	3				
METU	INNOVATIONS IN EDUCATION AND TEACHING INTERNATIONAL	3				
METU	JOURNAL OF CHEMICAL EDUCATION	3				
METU	JOURNAL OF HOMOSEXUALITY	3				
METU	RESEARCH IN SCIENCE & TECHNOLOGICAL EDUCATION	3				
METU	SCIENCE EDUCATION	3				
	SYSTEM	3				
METU		4				
METU	CROATIAN JOURNAL OF EDUCATION-HRVATSKI CASOPIS ZA ODGOJ I OBRAZOVANJE					
METU METU	INTERACTIVE LEARNING ENVIRONMENTS	4				
	INTERNATIONAL JOURNAL OF PSYCHOLOGY					
METU	JOURNAL OF RESEARCH IN SCIENCE TEACHING	4				
METU	SCIENCE & EDUCATION	4				
METU	SPANISH JOURNAL OF PSYCHOLOGY	4				
METU	BRITISH JOURNAL OF EDUCATIONAL TECHNOLOGY	5				
METU	EUROPEAN JOURNAL OF TEACHER EDUCATION	5				
METU	INTERNATIONAL JOURNAL OF SCIENCE AND MATHEMATICS EDUCATION	5				
METU	JOURNAL OF PSYCHOLOGY	5				
METU	TEACHING AND TEACHER EDUCATION	5				
METU	EDUCATIONAL STUDIES	6				
METU	JOURNAL OF EDUCATIONAL RESEARCH	6				
METU	PERCEPTUAL AND MOTOR SKILLS	6				
METU	PSYCHOLOGICAL REPORTS	6				
METU	CHEMISTRY EDUCATION RESEARCH AND PRACTICE	7				
METU	ENVIRONMENTAL EDUCATION RESEARCH	7				
METU	EURASIA JOURNAL OF MATHEMATICS SCIENCE AND TECHNOLOGY EDUCATION	7				
METU	HIGHER EDUCATION	7				
METU	JOURNAL OF SCIENCE EDUCATION AND TECHNOLOGY	7				
METU	TURKISH ONLINE JOURNAL OF EDUCATIONAL TECHNOLOGY	7				
METU	URNAL OF BALTIC SCIENCE EDUCATION					
METU	NEW EDUCATIONAL REVIEW	8				
METU	RESEARCH IN SCIENCE EDUCATION	8				
METU	ASIA PACIFIC EDUCATION REVIEW	9				
METU	ASIA-PACIFIC EDUCATION RESEARCHER	9				
METU	INTERNATIONAL JOURNAL OF EDUCATIONAL DEVELOPMENT	10				
METU	KURAM VE UYGULAMADA EGITIM BILIMLERI	10				
METU	INTERNATIONAL JOURNAL OF SCIENCE EDUCATION	13				
METU	COMPUTERS & EDUCATION	15				
METU	EDUCATIONAL TECHNOLOGY & SOCIETY	20				
METU	EGITIM ARASTIRMALARI-EURASIAN JOURNAL OF EDUCATIONAL RESEARCH	20				
METU	HACETTEPE UNIVERSITESI EGITIM FAKULTESI DERGISI-HACETTEPE UNIVERSITY JOURNAL OF EDUCATION	32				
METU	EGITIM VE BILIM-EDUCATION AND SCIENCE	44				
amukkale Univ	ACTA PAEDIATRICA	1				
amukkale Univ	ADVANCES IN THERAPY	1				
amukkale Univ	ANNALS OF CLINICAL MICROBIOLOGY AND ANTIMICROBIALS	1				
amukkale Univ	ASIAN PACIFIC JOURNAL OF ALLERGY AND IMMUNOLOGY	1				
amukkale Univ	ASSESSMENT & EVALUATION IN HIGHER EDUCATION	1				
amukkale Univ	AUSTRALIAN JOURNAL OF GUIDANCE AND COUNSELLING	1				
amukkale Univ	BMC PSYCHIATRY	1				
amukkale Univ	CANCER EPIDEMIOLOGY	1				
amukkale Univ	CENTRAL EUROPEAN JOURNAL OF PUBLIC HEALTH	1				
amukkale Univ	CLINICAL HEMORHEOLOGY AND MICROCIRCULATION	1				
amukkale Univ	COMPUTER ASSISTED LANGUAGE LEARNING	1				
amukkale Univ	CROATIAN MEDICAL JOURNAL	1				
amukkale Univ	DIDACTICA SLOVENICA-PEDAGOSKA OBZORJA	1				
amukkale Univ	EARLY EDUCATION AND DEVELOPMENT	1				
amukkale Univ	EDUCATIONAL PSYCHOLOGY	1				
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Table B.1 – continued from previous page

	Publication Title	# of Articl
Pamukkale Univ	EDUCATIONAL STUDIES	1
Pamukkale Univ	EDUCATIONAL STUDIES IN MATHEMATICS	1
Pamukkale Univ	EDUCATIONAL TECHNOLOGY & SOCIETY	1
Pamukkale Univ	EKLEM HASTALIKLARI VE CERRAHISI-JOINT DISEASES AND RELATED SURGERY	1
Pamukkale Univ	EMERGENCY MEDICINE JOURNAL	1
Pamukkale Univ	EUROPEAN JOURNAL OF OBSTETRICS & GYNECOLOGY AND REPRODUCTIVE BIOLOGY	1
Pamukkale Univ	EUROPEAN PHYSICAL EDUCATION REVIEW	1
Pamukkale Univ	GENETICS IN MEDICINE	1
Pamukkale Univ	HEADACHE	1
Pamukkale Univ	INDIAN JOURNAL OF PEDIATRICS	1
Pamukkale Univ	INFANTS & YOUNG CHILDREN	1
Pamukkale Univ	INTERNATIONAL JOURNAL OF EDUCATIONAL RESEARCH	1
Pamukkale Univ	INTERNATIONAL JOURNAL OF GYNECOLOGY & OBSTETRICS	1
Pamukkale Univ	INTERNATIONAL JOURNAL OF PEDIATRIC OTORHINOLARYNGOLOGY	1
Pamukkale Univ	INTERNATIONAL JOURNAL OF PSYCHOLOGY	1
Pamukkale Univ	INTERNATIONAL REVIEW OF RESEARCH IN OPEN AND DISTANCE LEARNING	1
Pamukkale Univ	JOURNAL OF BIOSOCIAL SCIENCE	1
Pamukkale Univ	JOURNAL OF CANCER EDUCATION	1
Pamukkale Univ	JOURNAL OF EDUCATIONAL RESEARCH	1
Pamukkale Univ	JOURNAL OF EMERGENCY NURSING	1
Pamukkale Univ	JOURNAL OF ENGLISH FOR ACADEMIC PURPOSES	1
Pamukkale Univ	JOURNAL OF MORAL EDUCATION	1
Pamukkale Univ	JOURNAL OF PALLIATIVE CARE	1
Pamukkale Univ	JOURNAL OF SCIENCE EDUCATION AND TECHNOLOGY	1
Pamukkale Univ	MATHEMATICAL THINKING AND LEARNING	1
Pamukkale Univ	MEDICAL SCIENCE MONITOR	1
Pamukkale Univ	METACOGNITION AND LEARNING	1
Pamukkale Univ	MIKROBIYOLOJI BULTENI	1
Pamukkale Univ	MINERVA PEDIATRICA	1
Pamukkale Univ	NEUROLOGICAL SCIENCES	1
Pamukkale Univ	NURSING ETHICS	1
Pamukkale Univ	PEDIATRIC NEUROLOGY	1
Pamukkale Univ	RESEARCH IN DEVELOPMENTAL DISABILITIES	1
Pamukkale Univ	RESEARCH IN SCIENCE EDUCATION	1
Pamukkale Univ	RESEARCH PAPERS IN EDUCATION	1
Pamukkale Univ	SAUDI MEDICAL JOURNAL	1
Pamukkale Univ	SOUTH AFRICAN JOURNAL OF EDUCATION	1
Pamukkale Univ	TEACHERS AND TEACHING	1
Pamukkale Univ	TOPICS IN EARLY CHILDHOOD SPECIAL EDUCATION	1
Pamukkale Univ	ULUSAL TRAVMA VE ACIL CERRAHI DERGISI-TURKISH JOURNAL OF TRAUMA & EMERGENCY SURGERY	1
Pamukkale Univ	WORLD NEUROSURGERY	1
Pamukkale Univ	ADVANCES IN PHYSIOLOGY EDUCATION	2
Pamukkale Univ	EUROPEAN EARLY CHILDHOOD EDUCATION RESEARCH JOURNAL	2
Pamukkale Univ	EUROPEAN JOURNAL OF TEACHER EDUCATION	2
Pamukkale Univ	JOURNAL OF TEACHING IN PHYSICAL EDUCATION	2
Pamukkale Univ	EDUCATIONAL SCIENCES-THEORY & PRACTICE	3
Pamukkale Univ	JOURNAL OF BALTIC SCIENCE EDUCATION	3
Pamukkale Univ	COMPUTER APPLICATIONS IN ENGINEERING EDUCATION	4
Pamukkale Univ	EURASIA JOURNAL OF MATHEMATICS SCIENCE AND TECHNOLOGY EDUCATION	4
Pamukkale Univ	TEACHING AND TEACHER EDUCATION	4
Pamukkale Univ	ENERGY EDUCATION SCIENCE AND TECHNOLOGY PART B-SOCIAL AND EDUCATIONAL STUDIES	7
Pamukkale Univ	EGITIM VE BILIM-EDUCATION AND SCIENCE	17
Pamukkale Univ	HACETTEPE UNIVERSITESI EGITIM FAKULTESI DERGISI-HACETTEPE UNIVERSITY JOURNAL OF EDUCATION	17
Pamukkale Univ	KURAM VE UYGULAMADA EGITIM BILIMLERI	21
Pamukkale Univ	EGITIM ARASTIRMALARI-EURASIAN JOURNAL OF EDUCATIONAL RESEARCH	24
Sakarya Univ	ANNALS OF CLINICAL MICROBIOLOGY AND ANTIMICROBIALS	1
Sakarya Univ	ASIA-PACIFIC EDUCATION RESEARCHER	1
Sakarya Univ	CARDIOLOGY IN THE YOUNG	1
Sakarya Univ	CHRONOBIOLOGY INTERNATIONAL	1
		1

Univ Name	Publication Title				
Sakarya Univ	EDUCATIONAL TECHNOLOGY & SOCIETY	1			
Sakarya Univ	EURASIA JOURNAL OF MATHEMATICS SCIENCE AND TECHNOLOGY EDUCATION				
Sakarya Univ	EUROPEAN JOURNAL OF SPECIAL NEEDS EDUCATION	1			
Sakarya Univ	GYNECOLOGIC AND OBSTETRIC INVESTIGATION	1			
Sakarya Univ	IGHER EDUCATION RESEARCH & DEVELOPMENT				
Sakarya Univ	IEEE TRANSACTIONS ON EDUCATION	1			
Sakarya Univ	INTERNATIONAL JOURNAL OF SCIENCE EDUCATION	1			
Sakarya Univ	JOURNAL OF BIOLOGICAL EDUCATION	1			
Sakarya Univ	JOURNAL OF INTELLECTUAL & DEVELOPMENTAL DISABILITY	1			
Sakarya Univ	JOURNAL OF MATERIALS EDUCATION	1			
Sakarya Univ	JOURNAL OF STRENGTH AND CONDITIONING RESEARCH	1			
Sakarya Univ	JOURNAL OF THE PAKISTAN MEDICAL ASSOCIATION	1			
Sakarya Univ	LANGUAGE LEARNING	1			
Sakarya Univ	LANGUAGE TEACHING RESEARCH	1			
Sakarya Univ	NEW EDUCATIONAL REVIEW	1			
Sakarya Univ	PACE-PACING AND CLINICAL ELECTROPHYSIOLOGY	1			
Sakarya Univ	RESEARCH AND PRACTICE FOR PERSONS WITH SEVERE DISABILITIES	1			
Sakarya Univ	RESEARCH IN AUTISM SPECTRUM DISORDERS	1			
Sakarya Univ	SCIENTOMETRICS				
Sakarya Univ	SPANISH JOURNAL OF PSYCHOLOGY				
Sakarya Univ	FURKISH JOURNAL OF MEDICAL SCIENCES				
Sakarya Univ	WATER ENVIRONMENT RESEARCH				
Sakarya Univ	COMPUTER APPLICATIONS IN ENGINEERING EDUCATION				
Sakarya Univ	COMPUTERS & EDUCATION				
Sakarya Univ	CROATIAN JOURNAL OF EDUCATION-HRVATSKI CASOPIS ZA ODGOJ I OBRAZOVANJE				
Sakarya Univ	INTERNATIONAL JOURNAL OF ENGINEERING EDUCATION	2			
Sakarya Univ	JAPANESE JOURNAL OF INFECTIOUS DISEASES	2			
Sakarya Univ	PSYCHOLOGICAL REPORTS	2			
Sakarya Univ	RESEARCH IN DEVELOPMENTAL DISABILITIES	2			
Sakarya Univ	TECHNOLOGY PEDAGOGY AND EDUCATION	2			
Sakarya Univ	EDUCATIONAL SCIENCES-THEORY & PRACTICE	3			
Sakarya Univ	INTERNATIONAL REVIEW OF RESEARCH IN OPEN AND DISTANCE LEARNING	3			
Sakarya Univ	ASIAN PACIFIC JOURNAL OF CANCER PREVENTION	4			
Sakarya Univ	EGITIM ARASTIRMALARI-EURASIAN JOURNAL OF EDUCATIONAL RESEARCH	7			
Sakarya Univ	ENERGY EDUCATION SCIENCE AND TECHNOLOGY PART B-SOCIAL AND EDUCATIONAL STUDIES	10			
Sakarya Univ	JOURNAL OF BALTIC SCIENCE EDUCATION	11			
Sakarya Univ	HACETTEPE UNIVERSITESI EGITIM FAKULTESI DERGISI-HACETTEPE UNIVERSITY JOURNAL OF EDUCATION	12			
Sakarya Univ	EGITIM VE BILIM-EDUCATION AND SCIENCE	21			
Sakarya Univ	TURKISH ONLINE JOURNAL OF EDUCATIONAL TECHNOLOGY	29			
Sakarya Univ	KURAM VE UYGULAMADA EGITIM BILIMLERI	34			

# Appendix C

### **APPENDIX C**

## Table C.1: Journals preferred by CEIT departments

University	# of Articles	ISSN	Publication Title
EASTERN MEDITERANEAN UNIVERSITY	1	1061-3773	COMPUTER APPLICATIONS IN ENGINEERING EDUCATION
EASTERN MEDITERANEAN UNIVERSITY	1	0949-149X	INTERNATIONAL JOURNAL OF ENGINEERING EDUCATION
EASTERN MEDITERANEAN UNIVERSITY	1	1648-3898	JOURNAL OF BALTIC SCIENCE EDUCATION
EASTERN MEDITERANEAN UNIVERSITY	1	1732-6729	NEW EDUCATIONAL REVIEW
EUROPEAN UNIV LEFKE	1	1302-597X	EGITIM ARASTIRMALARI-EURASIAN JOURNAL OF EDUCATIONAL RE
			SEARCH
NEAR EAST UNIVERSITY	2	1598-1037	ASIA PACIFIC EDUCATION REVIEW
NEAR EAST UNIVERSITY	1	1037-2911	AUSTRALIAN JOURNAL OF GUIDANCE AND COUNSELLING
NEAR EAST UNIVERSITY	1	1848-5189	CROATIAN JOURNAL OF EDUCATION-HRVATSKI CASOPIS ZA ODGOJ
			OBRAZOVANJE
NEAR EAST UNIVERSITY	1	1300-1337	EGITIM VE BILIM-EDUCATION AND SCIENCE
NEAR EAST UNIVERSITY	1	0266-4909	JOURNAL OF COMPUTER ASSISTED LEARNING
RIZE UNIVERSITY	1	0007-1013	BRITISH JOURNAL OF EDUCATIONAL TECHNOLOGY
ABANT İZZET BAYSAL UNIVERSITY	2	1300-1337	EGITIM VE BILIM-EDUCATION AND SCIENCE
ABANT İZZET BAYSAL UNIVERSITY	1	1449-3098	AUSTRALASIAN JOURNAL OF EDUCATIONAL TECHNOLOGY
ABANT İZZET BAYSAL UNIVERSITY	1	0007-1013	BRITISH JOURNAL OF EDUCATIONAL TECHNOLOGY
ABANT İZZET BAYSAL UNIVERSITY	1	1356-2517	TEACHING IN HIGHER EDUCATION
ADNAN MENDERES UNIVERSITY	2	1303-0485	KURAM VE UYGULAMADA EGITIM BILIMLERI
AHİ EVRAN UNIVERSITY	1	1300-1337	EGITIM VE BILIM-EDUCATION AND SCIENCE
AHİ EVRAN UNIVERSITY	1	1303-6521	TURKISH ONLINE JOURNAL OF EDUCATIONAL TECHNOLOGY
AKDENİZ UNIVERSITY	2	0360-1315	COMPUTERS & EDUCATION
AKDENİZ UNIVERSITY	1	1300-1337	EGITIM VE BILIM-EDUCATION AND SCIENCE
AKDENİZ UNIVERSITY	1	0958-3440	RECALL
AKDENİZ UNIVERSITY	1	0138-9130	SCIENTOMETRICS
AMASYA UNIVERSITY	1	0119-5646	ASIA-PACIFIC EDUCATION RESEARCHER
AMASYA UNIVERSITY	1	1303-0485	KURAM VE UYGULAMADA EGITIM BILIMLERI
AMASYA UNIVERSITY	1	2146-7242	TURKISH ONLINE JOURNAL OF EDUCATIONAL TECHNOLOGY
ANADOLU UNIVERSITY	6	0360-1315	COMPUTERS & EDUCATION
ANADOLU UNIVERSITY	5	1303-6521	TURKISH ONLINE JOURNAL OF EDUCATIONAL TECHNOLOGY
ANADOLU UNIVERSITY	2	0735-6331	JOURNAL OF EDUCATIONAL COMPUTING RESEARCH
ANADOLU UNIVERSITY	2	1303-0485	KURAM VE UYGULAMADA EGITIM BILIMLERI
ANADOLU UNIVERSITY	2	2146-7242	TURKISH ONLINE JOURNAL OF EDUCATIONAL TECHNOLOGY
ANADOLU UNIVERSITY	1	0260-2938	ASSESSMENT & EVALUATION IN HIGHER EDUCATION
ANADOLU UNIVERSITY	1	1449-3098	AUSTRALASIAN JOURNAL OF EDUCATIONAL TECHNOLOGY
ANADOLU UNIVERSITY	1	2152-2715	CYBERPSYCHOLOGY BEHAVIOR AND SOCIAL NETWORKING
ANADOLU UNIVERSITY	1	1300-1337	EGITIM VE BILIM-EDUCATION AND SCIENCE
ANADOLU UNIVERSITY	1	1300-5340	HACETTEPE UNIVERSITESI EGITIM FAKULTESI DERGISI-HACETTEP
			UNIVERSITY JOURNAL OF EDUCATION
ANADOLU UNIVERSITY	1	1355-8005	INNOVATIONS IN EDUCATION AND TRAINING INTERNATIONAL
ANADOLU UNIVERSITY	1	0020-4277	INSTRUCTIONAL SCIENCE
ANADOLU UNIVERSITY	1	1049-4820	INTERACTIVE LEARNING ENVIRONMENTS

University	# of Articles	ISSN	Publication Title
ANKARA UNIVERSITY	5	1300-5340	HACETTEPE UNIVERSITESI EGITIM FAKULTESI DERGISI-HACETTEPE
			UNIVERSITY JOURNAL OF EDUCATION
ANKARA UNIVERSITY	3	1300-1337	EGITIM VE BILIM-EDUCATION AND SCIENCE
ANKARA UNIVERSITY	2	0360-1315	COMPUTERS & EDUCATION
ANKARA UNIVERSITY	1	1848-5189	CROATIAN JOURNAL OF EDUCATION-HRVATSKI CASOPIS ZA ODGOJ
			OBRAZOVANJE
ANKARA UNIVERSITY	1	1436-4522	EDUCATIONAL TECHNOLOGY & SOCIETY
ANKARA UNIVERSITY	1	1096-7516	INTERNET AND HIGHER EDUCATION
ANKARA UNIVERSITY	1	1303-0485	KURAM VE UYGULAMADA EGITIM BILIMLERI
ANKARA UNIVERSITY	1	1475-939X	TECHNOLOGY PEDAGOGY AND EDUCATION
ANKARA UNIVERSITY	1	1303-6521	TURKISH ONLINE JOURNAL OF EDUCATIONAL TECHNOLOGY
ATATÜRK UNIVERSITY	6	0360-1315	COMPUTERS & EDUCATION
ATATÜRK UNIVERSITY	6	1303-0485	KURAM VE UYGULAMADA EGITIM BILIMLERI
ATATÜRK UNIVERSITY	3	1300-1337	EGITIM VE BILIM-EDUCATION AND SCIENCE
ATATÜRK UNIVERSITY	2	1436-4522	EDUCATIONAL TECHNOLOGY & SOCIETY
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ATATÜRK UNIVERSITY	1	1134-3478	COMUNICAR
ATATÜRK UNIVERSITY	1	0957-7572	INTERNATIONAL JOURNAL OF TECHNOLOGY AND DESIGN EDUCA
			TION
ATATÜRK UNIVERSITY	1	0260-6917	NURSE EDUCATION TODAY
ATATÜRK UNIVERSITY	1	0138-9130	SCIENTOMETRICS
BAHÇEŞEHİR UNIVERSITY	4	1303-0485	KURAM VE UYGULAMADA EGITIM BILIMLERI
BAHÇEŞEHİR UNIVERSITY	2	1300-1337	EGITIM VE BILIM-EDUCATION AND SCIENCE
BALIKESİR UNIVERSITY	2	1461-3808	MUSIC EDUCATION RESEARCH
BALIKESİR UNIVERSITY	1	1598-1037	ASIA PACIFIC EDUCATION REVIEW
BALIKESİR UNIVERSITY	1	0265-0517	BRITISH JOURNAL OF MUSIC EDUCATION
3ARTIN UNIVERSITY	1	0360-1315	COMPUTERS & EDUCATION
BARTIN UNIVERSITY	1	1300-5340	HACETTEPE UNIVERSITESI EGITIM FAKULTESI DERGISI-HACETTEPI
			UNIVERSITY JOURNAL OF EDUCATION
BARTIN UNIVERSITY	1	2146-7242	TURKISH ONLINE JOURNAL OF EDUCATIONAL TECHNOLOGY
3AŞKENT UNIVERSITY	3	1303-6521	TURKISH ONLINE JOURNAL OF EDUCATIONAL TECHNOLOGY
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BAŞKENT UNIVERSITY	1	0360-1315	COMPUTERS & EDUCATION
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			SEARCH
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			UNIVERSITY JOURNAL OF EDUCATION
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			TIVE LEARNING
30ĞAZİÇİ UNIVERSITY	1	0022-4871	JOURNAL OF TEACHER EDUCATION
30ĞAZİÇİ UNIVERSITY	1	0157-244X	RESEARCH IN SCIENCE EDUCATION
BÜLENT ECEVİT UNIVERSITY	1	0949-149X	INTERNATIONAL JOURNAL OF ENGINEERING EDUCATION
BÜLENT ECEVİT UNIVERSITY	1	1303-0485	KURAM VE UYGULAMADA EGITIM BILIMLERI
ÇANAKKALE 18 MART UNIVERSITY	1	1303-0485	KURAM VE UYGULAMADA EGITIM BILIMLERI
ÇUKUROVA UNIVERSITY	1	1471-244X	BMC PSYCHIATRY
ÇUKUROVA UNIVERSITY	1	0360-1315	COMPUTERS & EDUCATION
ÇUKUROVA UNIVERSITY	1	1436-4522	EDUCATIONAL TECHNOLOGY & SOCIETY
CUKUROVA UNIVERSITY	1	1302-597X	EGITIM ARASTIRMALARI-EURASIAN JOURNAL OF EDUCATIONAL RE
			SEARCH
CUKUROVA UNIVERSITY	1	1303-6521	TURKISH ONLINE JOURNAL OF EDUCATIONAL TECHNOLOGY
CUMHURİYET UNIVERSITY	1	0360-1315	COMPUTERS & EDUCATION
CUMHURİYET UNIVERSITY	1	0305-5698	EDUCATIONAL STUDIES
CYPRUS INT. UNIVERSITY	2	2146-7242	TURKISH ONLINE JOURNAL OF EDUCATIONAL TECHNOLOGY
CYPRUS INT. UNIVERSITY	1	1300-5340	HACETTEPE UNIVERSITESI EGITIM FAKULTESI DERGISI-HACETTEPI
			UNIVERSITY JOURNAL OF EDUCATION
CYPRUS INT. UNIVERSITY	1	1303-0485	KURAM VE UYGULAMADA EGITIM BILIMLERI
DİCLE UNIVERSITY	1	1300-1337	EGITIM VE BILIM-EDUCATION AND SCIENCE
DOKUZ EYLÜL UNIVERSITY	2	1436-4522	EDUCATIONAL TECHNOLOGY & SOCIETY

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DOKUZ EYLÜL UNIVERSITY	2	1059-0145	JOURNAL OF SCIENCE EDUCATION AND TECHNOLOGY
DOKUZ EYLÜL UNIVERSITY	1	0007-1013	BRITISH JOURNAL OF EDUCATIONAL TECHNOLOGY
DOKUZ EYLÜL UNIVERSITY	1	1302-597X	EGITIM ARASTIRMALARI-EURASIAN JOURNAL OF EDUCATIONAL RE-
			SEARCH
DOKUZ EYLÜL UNIVERSITY	1	1648-3898	JOURNAL OF BALTIC SCIENCE EDUCATION
DOKUZ EYLÜL UNIVERSITY	1	1303-0485	KURAM VE UYGULAMADA EGITIM BILIMLERI
DOKUZ EYLÜL UNIVERSITY	1	1303-6521	TURKISH ONLINE JOURNAL OF EDUCATIONAL TECHNOLOGY
DOKUZ EYLÜL UNIVERSITY	1	2146-7242	TURKISH ONLINE JOURNAL OF EDUCATIONAL TECHNOLOGY
EGE UNIVERSITY	3	1303-0485	EDUCATIONAL SCIENCES-THEORY & PRACTICE
EGE UNIVERSITY	1	1302-597X	EGITIM ARASTIRMALARI-EURASIAN JOURNAL OF EDUCATIONAL RE
			SEARCH
EGE UNIVERSITY	1	0018-9359	IEEE TRANSACTIONS ON EDUCATION
EGE UNIVERSITY	1	0949-149X	INTERNATIONAL JOURNAL OF ENGINEERING EDUCATION
EGE UNIVERSITY	1	1303-6521	TURKISH ONLINE JOURNAL OF EDUCATIONAL TECHNOLOGY
ERCİYES UNIVERSITY	1	1300-5340	HACETTEPE UNIVERSITESI EGITIM FAKULTESI DERGISI-HACETTEPE
			UNIVERSITY JOURNAL OF EDUCATION
ERCİYES UNIVERSITY	1	1303-0485	KURAM VE UYGULAMADA EGITIM BILIMLERI
ERCİYES UNIVERSITY	1	0034-8082	REVISTA DE EDUCACION
ERZİNCAN UNIVERSITY	1	1300-1337	EGITIM VE BILIM-EDUCATION AND SCIENCE
ERZİNCAN UNIVERSITY	1	1059-0145	JOURNAL OF SCIENCE EDUCATION AND TECHNOLOGY
EKZİNCAN ÜNIVERSITI ESKİŞEHİR OSMANGAZİ UNIVERSITY	1	0360-1315	COMPUTERS & EDUCATION
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,	1		EUROPEAN JOURNAL OF CONTEMPORARY EDUCATION
FATÌH UNIVERSITY	1	2304-9650	
FIRAT UNIVERSITY	1	0360-1315	COMPUTERS & EDUCATION
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FIRAT UNIVERSITY	1	1302-597X	EGITIM ARASTIRMALARI-EURASIAN JOURNAL OF EDUCATIONAL RE SEARCH
FIRAT UNIVERSITY	1	1300-1337	EGITIM VE BILIM-EDUCATION AND SCIENCE
GAZİ UNIVERSITY	7	0360-1315	COMPUTERS & EDUCATION
GAZİ UNIVERSITY	7	1300-1337	EGITIM VE BILIM-EDUCATION AND SCIENCE
GAZİ UNIVERSITY	2	0007-1013	BRITISH JOURNAL OF EDUCATIONAL TECHNOLOGY
GAZİ UNIVERSITY	2	1300-5340	HACETTEPE UNIVERSITESI EGITIM FAKULTESI DERGISI-HACETTEPH UNIVERSITY JOURNAL OF EDUCATION
GAZİ UNIVERSITY	1	1449-3098	AUSTRALASIAN JOURNAL OF EDUCATIONAL TECHNOLOGY
GAZİ UNIVERSITY	1	1061-3773	COMPUTER APPLICATIONS IN ENGINEERING EDUCATION
GAZİ UNIVERSITY	1	0300-4279	EDUCATION 3-13
GAZİ UNIVERSITY	1	0949-149X	INTERNATIONAL JOURNAL OF ENGINEERING EDUCATION
GAZİ UNIVERSITY	1	0957-7572	INTERNATIONAL JOURNAL OF TECHNOLOGY AND DESIGN EDUCA
GAZİ UNIVERSITY	1	1303-0485	KURAM VE UYGULAMADA EGITIM BILIMLERI
GAZİ UNIVERSITY	1	1303-6521	TURKISH ONLINE JOURNAL OF EDUCATIONAL TECHNOLOGY
GAZIANTEP UNIVERSITY	1	1303-0485	KURAM VE UYGULAMADA EGITIM BILIMLERI
GAZİOSMANPAŞA UNIVERSITY	1	0007-1013	BRITISH JOURNAL OF EDUCATIONAL TECHNOLOGY
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HACETTEPE UNIVERSITY	12	1300-1337	EGITIM VE BILIM-EDUCATION AND SCIENCE
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HACETTEPE UNIVERSITY	4	1436-4522	EDUCATIONAL TECHNOLOGY & SOCIETY
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HACETTEPE UNIVERSITY	3	1303-6521	TURKISH ONLINE JOURNAL OF EDUCATIONAL TECHNOLOGY
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HACETTEPE UNIVERSITY	1	0007-1013	BRITISH JOURNAL OF EDUCATIONAL TECHNOLOGY
HACETTEPE UNIVERSITY	1	1302-597X	EGITIM ARASTIRMALARI-EURASIAN JOURNAL OF EDUCATIONAL RE SEARCH
HACETTEPE UNIVERSITY	1	0883-0355	INTERNATIONAL JOURNAL OF EDUCATIONAL RESEARCH

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HACETTEPE UNIVERSITY	1	1826-6223	JOURNAL OF E-LEARNING AND KNOWLEDGE SOCIETY
HACETTEPE UNIVERSITY	1	1303-0485	KURAM VE UYGULAMADA EGITIM BILIMLERI
HACETTEPE UNIVERSITY	1	0267-1522	RESEARCH PAPERS IN EDUCATION
HACETTEPE UNIVERSITY	1	0191-491X	STUDIES IN EDUCATIONAL EVALUATION
İHSAN DOĞRAMACI BİLKENT UNIVER-	2	0360-1315	COMPUTERS & EDUCATION
SITY			
İSTANBUL UNIVERSITY	1	0360-1315	COMPUTERS & EDUCATION
İSTANBUL UNIVERSITY	1	0260-6917	NURSE EDUCATION TODAY
KARADENIZ TECHNICAL UNIVERSITY	3	1303-6521	TURKISH ONLINE JOURNAL OF EDUCATIONAL TECHNOLOGY
KARADENIZ TECHNICAL UNIVERSITY	2	1300-1337	EGITIM VE BILIM-EDUCATION AND SCIENCE
KARADENIZ TECHNICAL UNIVERSITY	2	1303-0485	KURAM VE UYGULAMADA EGITIM BILIMLERI
KARADENIZ TECHNICAL UNIVERSITY	1	0360-1315	COMPUTERS & EDUCATION
KARADENIZ TECHNICAL UNIVERSITY	1	1308-7711	ENERGY EDUCATION SCIENCE AND TECHNOLOGY PART B-SOCIAL AND EDUCATIONAL STUDIES
KARADENIZ TECHNICAL UNIVERSITY	1	0266-4909	JOURNAL OF COMPUTER ASSISTED LEARNING
KARADENIZ TECHNICAL UNIVERSITY	1	0256-0100	SOUTH AFRICAN JOURNAL OF EDUCATION
KARADENIZ TECHNICAL UNIVERSITY	1	2146-7242	TURKISH ONLINE JOURNAL OF EDUCATIONAL TECHNOLOGY
KARAELMAS UNIVERSITESI	2	0360-1315	COMPUTERS & EDUCATION
KIRIKKALE UNIVERSITY	2	1308-7711	ENERGY EDUCATION SCIENCE AND TECHNOLOGY PART B-SOCIAI
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KIRIKKALE UNIVERSITY	1	0958-8221	COMPUTER ASSISTED LANGUAGE LEARNING
KIRIKKALE UNIVERSITY	1	1302-597X	EGITIM ARASTIRMALARI-EURASIAN JOURNAL OF EDUCATIONAL RE
			SEARCH
KIRIKKALE UNIVERSITY	1	1300-1337	EGITIM VE BILIM-EDUCATION AND SCIENCE
KIRIKKALE UNIVERSITY	1	0017-8969	HEALTH EDUCATION JOURNAL
KIRIKKALE UNIVERSITY	1	1303-0485	KURAM VE UYGULAMADA EGITIM BILIMLERI
KIRIKKALE UNIVERSITY	1	2146-7242	TURKISH ONLINE JOURNAL OF EDUCATIONAL TECHNOLOGY
KOCAELİ UNIVERSITY	3	1303-0485	KURAM VE UYGULAMADA EGITIM BILIMLERI
KOCAELİ UNIVERSITY	2	1061-3773	COMPUTER APPLICATIONS IN ENGINEERING EDUCATION
KOCAELİ UNIVERSITY	2	1300-1337	EGITIM VE BILIM-EDUCATION AND SCIENCE
KOCAELİ UNIVERSITY	1	0305-5698	EDUCATIONAL STUDIES
MALTEPE UNIVERSITY	1	2146-7242	TURKISH ONLINE JOURNAL OF EDUCATIONAL TECHNOLOGY
MANCHESTER UNIVERSITY	1	1360-3116	INTERNATIONAL JOURNAL OF INCLUSIVE EDUCATION
MARMARA UNIVERSITY	1	0007-1013	BRITISH JOURNAL OF EDUCATIONAL TECHNOLOGY
MARMARA UNIVERSITY	1	0360-1315	COMPUTERS & EDUCATION
MARMARA UNIVERSITY	1	1303-0485	KURAM VE UYGULAMADA EGITIM BILIMLERI
MEHMET AKİF ERSOY UNIVERSITY	1	0360-1315	COMPUTERS & EDUCATION
MERSİN UNIVERSITY	1	1449-3098	AUSTRALASIAN JOURNAL OF EDUCATIONAL TECHNOLOGY
MERSİN UNIVERSITY	1	0305-5698	EDUCATIONAL STUDIES
MERSİN UNIVERSITY	1	1436-4522	EDUCATIONAL TECHNOLOGY & SOCIETY
MERSİN UNIVERSITY	1	1303-0485	KURAM VE UYGULAMADA EGITIM BILIMLERI
MEVLANA UNIVERSITY	1	0360-1315	COMPUTERS & EDUCATION
MEVLANA UNIVERSITY	1	1308-7711	ENERGY EDUCATION SCIENCE AND TECHNOLOGY PART B-SOCIAL
			AND EDUCATIONAL STUDIES
MEVLANA UNIVERSITY	1	0735-6331	JOURNAL OF EDUCATIONAL COMPUTING RESEARCH
MEVLANA UNIVERSITY	1	2146-7242	TURKISH ONLINE JOURNAL OF EDUCATIONAL TECHNOLOGY
MUĞLA SITKI KOÇMAN UNIVERSITY	1	0360-1315	COMPUTERS & EDUCATION
MUŞ ALPARSLAN UNIVERSITY	1	1303-0485	KURAM VE UYGULAMADA EGITIM BILIMLERI
NEAR EAST UNIVERSITESI	2	0360-1315	COMPUTERS & EDUCATION
NECMETTİN ERBAKAN UNIVERSITY	1	1300-1337	EGITIM VE BILIM-EDUCATION AND SCIENCE
NECMETTİN ERBAKAN UNIVERSITY	1	1303-0485	KURAM VE UYGULAMADA EGITIM BILIMLERI
NECMETTIN ERBAKAN UNIVERSITY	1	0036-5564	SCANDINAVIAN JOURNAL OF PSYCHOLOGY
NİĞDE UNIVERSITY	1	1300-5340	HACETTEPE UNIVERSITESI EGITIM FAKULTESI DERGISI-HACETTEP UNIVERSITY JOURNAL OF EDUCATION
ONDOKUZ MAYIS UNIVERSITY	1	1598-1037	ASIA PACIFIC EDUCATION REVIEW
ONDOKUZ MAYIS UNIVERSITY	1	0360-1315	COMPUTERS & EDUCATION
ONDOKUZ MAYIS UNIVERSITY	1	0266-4909	JOURNAL OF COMPUTER ASSISTED LEARNING
ONDOKUZ MAYIS UNIVERSITY	1	1303-0485	KURAM VE UYGULAMADA EGITIM BILIMLERI
MIDDLE EAST TECHNICAL UNIVERSITY	14	1436-4522	EDUCATIONAL TECHNOLOGY & SOCIETY
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MIDDLE EAST TECHNICAL UNIVERSITY	4	1049-4820	INTERACTIVE LEARNING ENVIRONMENTS
MIDDLE EAST TECHNICAL UNIVERSITY	3	0007-1013	BRITISH JOURNAL OF EDUCATIONAL TECHNOLOGY
MIDDLE EAST TECHNICAL UNIVERSITY	3	1300-1337	EGITIM VE BILIM-EDUCATION AND SCIENCE
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			SEARCH
MIDDLE EAST TECHNICAL UNIVERSITY	2	1732-6729	NEW EDUCATIONAL REVIEW
MIDDLE EAST TECHNICAL UNIVERSITY	2	1303-6521	TURKISH ONLINE JOURNAL OF EDUCATIONAL TECHNOLOGY
MIDDLE EAST TECHNICAL UNIVERSITY	1	0119-5646	ASIA-PACIFIC EDUCATION RESEARCHER
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MIDDLE EAST TECHNICAL UNIVERSITY	1	0305-5698	EDUCATIONAL STUDIES
MIDDLE EAST TECHNICAL UNIVERSITY	1	1042-1629	ETR&D-EDUCATIONAL TECHNOLOGY RESEARCH AND DEVELOPM
MIDDLE EAST TECHNICAL UNIVERSITY	1	1300-5340	HACETTEPE UNIVERSITESI EGITIM FAKULTESI DERGISI-HACETT
	1	1500 5540	UNIVERSITY JOURNAL OF EDUCATION
MIDDLE EAST TECHNICAL UNIVERSITY	1	1470-3297	INNOVATIONS IN EDUCATION AND TEACHING INTERNATIONAL
MIDDLE EAST TECHNICAL UNIVERSITY	1	0735-6331	JOURNAL OF EDUCATIONAL COMPUTING RESEARCH
MIDDLE EAST TECHNICAL UNIVERSITY	1	0958-3440	RECALL
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MIDDLE EAST TECHNICAL UNIVERSITY		2146-7242	TURKISH ONLINE JOURNAL OF EDUCATIONAL TECHNOLOGY
PAMUKKALE UNIVERSITY	1	0305-7240	JOURNAL OF MORAL EDUCATION
RECEP TAYYIP ERDOĞAN UNIVERSITY	1	0007-1013	BRITISH JOURNAL OF EDUCATIONAL TECHNOLOGY
RECEP TAYYIP ERDOĞAN UNIVERSITY	1	1300-1337	EGITIM VE BILIM-EDUCATION AND SCIENCE
SAKARYA UNIVERSITY	5	1303-0485	KURAM VE UYGULAMADA EGITIM BILIMLERI
SAKARYA UNIVERSITY	4	2146-7242	TURKISH ONLINE JOURNAL OF EDUCATIONAL TECHNOLOGY
SAKARYA UNIVERSITY	1	1061-3773	COMPUTER APPLICATIONS IN ENGINEERING EDUCATION
SAKARYA UNIVERSITY	1	1848-5189	CROATIAN JOURNAL OF EDUCATION-HRVATSKI CASOPIS ZA ODO
			OBRAZOVANJE
SAKARYA UNIVERSITY	1	1475-939X	TECHNOLOGY PEDAGOGY AND EDUCATION
SELÇUK UNIVERSITY	1	0360-1315	COMPUTERS & EDUCATION
SELÇUK UNIVERSITY	1	1436-4522	EDUCATIONAL TECHNOLOGY & SOCIETY
SELÇUK UNIVERSITY	1	1308-7711	ENERGY EDUCATION SCIENCE AND TECHNOLOGY PART B-SOC
			AND EDUCATIONAL STUDIES
SELÇUK UNIVERSITY	1	0735-6331	JOURNAL OF EDUCATIONAL COMPUTING RESEARCH
SELÇUK UNIVERSITY	1	1303-0485	KURAM VE UYGULAMADA EGITIM BILIMLERI
SELÇUK UNIVERSITY	1	0959-4752	LEARNING AND INSTRUCTION
SELÇUK UNIVERSITY	1	0033-2941	PSYCHOLOGICAL REPORTS
SELÇUK UNIVERSITY	1	0036-5564	SCANDINAVIAN JOURNAL OF PSYCHOLOGY
SELÇUK UNIVERSITY	1	1303-6521	TURKISH ONLINE JOURNAL OF EDUCATIONAL TECHNOLOGY
SİİRT UNIVERSITY	1	1300-1337	EGITIM VE BILIM-EDUCATION AND SCIENCE
SÜLEYMAN DEMİREL UNIVERSITY	1	1469-7874	ACTIVE LEARNING IN HIGHER EDUCATION
SÜLEYMAN DEMİREL UNIVERSITY	1	1449-3098	AUSTRALASIAN JOURNAL OF EDUCATIONAL TECHNOLOGY
SÜLEYMAN DEMİREL UNIVERSITY	1	0360-1315	COMPUTERS & EDUCATION
SÜLEYMAN DEMİREL UNIVERSITY	1	2152-2715	CYBERPSYCHOLOGY BEHAVIOR AND SOCIAL NETWORKING
SÜLEYMAN DEMİREL UNIVERSITY	1	1436-4522	EDUCATIONAL TECHNOLOGY & SOCIETY
SÜLEYMAN DEMİREL UNIVERSITY	1	1300-1337	EGITIM VE BILIM-EDUCATION AND SCIENCE
SÜLEYMAN DEMİREL UNIVERSITY	1	0742-051X	TEACHING AND TEACHER EDUCATION
TRAKYA UNIVERSITY	1	0360-1315	COMPUTERS & EDUCATION
TRAKYA UNIVERSITY	1	1848-5189	CROATIAN JOURNAL OF EDUCATION-HRVATSKI CASOPIS ZA ODO
			OBRAZOVANJE
TRAKYA UNIVERSITY	1	1303-0485	KURAM VE UYGULAMADA EGITIM BILIMLERI
ULUDAĞ UNIVERSITY	3	1303-0485	KURAM VE UYGULAMADA EGITIM BILIMLERI
ULUDAĞ UNIVERSITY	2	1300-5340	HACETTEPE UNIVERSITESI EGITIM FAKULTESI DERGISI-HACETT
			UNIVERSITY JOURNAL OF EDUCATION
ULUDAĞ UNIVERSITY	2	1732-6729	NEW EDUCATIONAL REVIEW
ULUDAĞ UNIVERSITY	1	0360-1315	COMPUTERS & EDUCATION
UŞAK UNIVERSITY	1	1303-0485	EDUCATIONAL SCIENCES-THEORY & PRACTICE
UTAH STATE UNIVERSITY	1	1436-4522	EDUCATIONAL TECHNOLOGY & SOCIETY
VIRGINIA TECH	1	1682-3206	EDUCATIONAL TECHNOLOGY & SOCIETY EDUCATION AS CHANGE
YEDİTEPE UNIVERSITY	2	1300-1337	EGITIM VE BILIM-EDUCATION AND SCIENCE
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YILDIZ TECHNICAL UNIVERSITY	1	1303-0485	KURAM VE UYGULAMADA EGITIM BILIMLERI		
YILDIZ TECHNICAL UNIVERSITY	1	1732-6729	NEW EDUCATIONAL REVIEW		
YÜZÜNCÜ YIL UNIVERSITY	1	0260-2938	ASSESSMENT & EVALUATION IN HIGHER EDUCATION		

## Appendix D

### **APPENDIX D**

#### Table D.1: Countries collaborated with most

	Related Author Country	# of Articles	# Authors from Turkey	# Institutions from Turkey	# Authors not from Turkey	# Institutions not from Turkey
1	United States	332	539	104	434	152
2	United Kingdom	61	104	41	69	37
3	Germany	27	63	28	33	18
4	Netherlands	25	52	19	48	16
5	Cyprus	18	39	16	19	5
6	Slovakia	18	10	8	2	1
7	Israel	17	25	7	10	6
8	New Zealand	16	15	11	14	7
9	Canada	14	21	13	20	13
10	Belgium	11	12	8	19	6
11	Czech Republic	11	17	10	8	6
12	Australia	10	20	13	11	6
13	France	10	12	10	11	6
14	Portugal	9	14	11	11	7
15	South Korea	9	10	10	9	7
16	Byelarus	8	2	1	4	1
17	Scotland	8	6	4	11	2
18	Peoples R China	7	10	7	7	6
19	Italy	6	10	8	6	6
20	Poland	6	6	6	5	3
21	Saudi Arabia	6	10	5	5	3
22	Spain	6	6	6	10	8
23	Switzerland	6	17	9	8	4
24	Egypt	5	4	4	4	3
25	Greece	5	7	5	7	4
26	Romania	5	10	5	4	4
27	Slovenia	5	7	6	8	2
28	Taiwan	5	6	5	6	5
29	Croatia	4	4	4	4	2
30	Finland	4	6	5	6	3
31	Japan	4	6	5	7	6
32	Lithuania	4	5	5	2	2
33	Sweden	4	12	7	4	4
34	Austria	3	5	2	4	1
35	Estonia	3	6	5	4	1
36	India	3	3	3	3	3
37	Iran	3	3	3	4	4
38	Ireland	3	5	3	3	2
39	Jamaica	3	1	1	1	- 1
40	Singapore	3	3	3	5	2
41	Venezuela	3	4	3	1	1
42	Argentina	2	2	2	2	2
	. ngonunu	-	-	-	-	Continued on next page

	Table D.1 – continued from previous page							
	<b>Related Author Country</b>	# of Articles	# Authors from Turkey	# Institutions from Turkey	# Authors not from Turkey	# Institutions not from Turkey		
43	Brazil	2	2	2	2	2		
44	Bulgaria	2	3	3	2	1		
45	Denmark	2	7	3	3	3		
46	Lebanon	2	4	4	2	1		
47	Malaysia	2	2	2	2	2		
48	Morocco	2	4	4	3	2		
49	Pakistan	2	4	4	2	2		
50	Rep of Georgia	2	1	1	1	1		
51	South Africa	2	1	1	2	2		
52	UK	2	3	2	3	2		
53	Algeria	1	2	2	1	1		
54	Bangladesh	1	1	1	1	1		
55	Colombia	1	2	1	1	1		
56	FED REP GER	1	1	1	2	1		
57	Hungary	1	1	1	1	1		
58	Iceland	1	1	1	1	1		
59	Jordan	1	2	2	1	1		
60	Latvia	1	1	1	1	1		
61	Luxembourg	1	1	1	2	1		
62	Macedonia	1	2	2	1	1		
63	Mexico	1	1	1	2	1		
64	Norway	1	1	1	1	1		
65	Philippines	1	2	1	1	1		
66	Qatar	1	1	1	1	1		
67	Serbia	1	2	2	2	2		
68	Thailand	1	1	1	1	1		
69	Tunisia	1	2	2	1	1		
70	U Arab Emirates	1	2	2	3	2		
71	Vietnam	1	1	1	2	1		