

## Prof. ALİ ERYILMAZ

### Personal Information

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### International Researcher IDs

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Publons / Web Of Science ResearcherID: C-3398-2013

ScopusID: 6602526009

Yoksis Researcher ID: 164145

### Education Information

Doctorate, Florida Institute of Technology, Fizik Eğitimi , United States Of America 1993 - 1996

Postgraduate, Middle East Technical University, Faculty of Education, Matematik Ve Fen Bilimleri Eğitimi Bölümü, Turkey 1989 - 1992

Undergraduate, Middle East Technical University, Faculty of Education, Matematik Ve Fen Bilimleri Eğitimi Bölümü, Turkey 1984 - 1989

### Research Areas

Social Sciences and Humanities, Education, Education in Natural Sciences, Education in Physics

### Academic Titles / Tasks

Professor, Middle East Technical University, Faculty of Education, Mathematics and Science Education, 2017 - Continues  
Associate Professor, Middle East Technical University, Faculty of Education, Mathematics and Science Education, 2012 - 2017

Assistant Professor, Middle East Technical University, Faculty of Education, Mathematics and Science Education, 2002 - 2012

Lecturer PhD, Middle East Technical University, Faculty of Education, Mathematics and Science Education, 1996 - 2002

Research Assistant, Middle East Technical University, Faculty of Education, Mathematics and Science Education, 1990 - 1996

### Academic and Administrative Experience

Uygulama ve Araştırma Merkezi Yönetim Kurulu Üyesi, Middle East Technical University, Faculty of Education, Mathematics and Science Education, 2014 - Continues

Fakülte Kurulu Üyesi, Middle East Technical University, Faculty of Education, 2020 - 2023

Uygulama ve Araştırma Merkezi Yönetim Kurulu Üyesi, Middle East Technical University, Faculty of Education, Mathematics and Science Education, 2015 - 2019

Fakülte Yönetim Kurulu Üyesi, Middle East Technical University, Faculty of Education, 2015 - 2017

## Advising Theses

- Eryilmaz A., Development of STEM activities for high school physics classes, Postgraduate, N.KARTAL(Student), 2021
- ERYILMAZ A., Secondary analysis of ISA 2018 results: Implications for science education in Bosnia and Herzegovina, Postgraduate, S.Sikira(Student), 2021
- ERYILMAZ A., Development of effective STEM education materials., Postgraduate, C.Tomaç(Student), 2019
- Eryilmaz A., Development of effective stem education materials, Postgraduate, C.TOMAÇ(Student), 2019
- ERYILMAZ A., A modeling study about barriers which anatolian teacher training school physics teachers faced implementing micro-computer based laboratory, Doctorate, F.ALPTEKİN(Student), 2018
- ERYILMAZ A., A Modeling study about barriers which anatolian teacher training school physics teacher faced implementing micro-computer based laboratory, Doctorate, F.Alptekin(Student), 2018
- ERYILMAZ A., The effect of interactive simulation enriched inquiry learning instruction on ninth grade students' achievement in and attitude towards energy, Doctorate, S.YILDIZ(Student), 2017
- ERYILMAZ A., The Effect of interactive simulation enriched inquiry learning instruction on ninth grade students' achievement in and attitude towards energy, Doctorate, S.Yıldız(Student), 2017
- ERYILMAZ A., The effects of a professional development program on physics teachers' classroom practices, Doctorate, Ö.OKTAY(Student), 2015
- ERYILMAZ A., The Effects of a professional development program on physics teachers' classroom practices, Doctorate, Ö.Oktay(Student), 2015
- ERYILMAZ A., The Effect of a professional development program on physics teachers' knowledge and their students' achievement in modern physics unit, Doctorate, N.Balta(Student), 2014
- ERYILMAZ A., The Effect of enriched course materials about motion on ninth grade sighted and totally blind students' achievement, motivation, attitude, perception of learning environment and interaction in inclusive classes, Doctorate, M.Şahin(Student), 2014
- ERYILMAZ A., The effect of enriched course materials about motion on ninth grade sighted and totally blind students' achievement, motivation, attitude, perception of learning environment and interaction in inclusive classes, Doctorate, M.ŞAHİN(Student), 2014
- ÖZDEMİR Ö. F., ERYILMAZ A., The effect of a professional development program on physics teachers' knowledge and their students' achievement in modern physics unit, Doctorate, N.BALTA(Student), 2014
- ERYILMAZ A., Content analysis of 9th grade physics curriculum, textbook, lessons with respect to science process skills, Doctorate, B.YILMAZ(Student), 2013
- ERYILMAZ A., The effect of the instruction based on the epistemologically and metacognitively improved 7E learning cycle on tenth grade students' achievement and epistemological understandings in physics, Doctorate, S.YERDELEN(Student), 2013
- ERYILMAZ A., To what extent is problem-based learning effective as compared to traditional teaching in science education? A meta-analysis study, Doctorate, U.ÜSTÜN(Student), 2012
- ERYILMAZ A., Development and application of a four-tier test to assess pre-service physics teachers' misconceptions about geometrical optics, Doctorate, D.KALTAKÇI(Student), 2012
- ERYILMAZ A., ERKOÇ Ş., Investigation of undergraduate students' mental models about the quantization of physical observables, Doctorate, D.NİLÜFER(Student), 2012
- ERYILMAZ A., The effect of webquest based instruction on ninth grade students' achievement in and attitude towards force and motion, Doctorate, M.SAİT(Student), 2011
- ERYILMAZ A., A modeling study: The interrelationships among elementary students' epistemological beliefs, learning environment perceptions, learning approaches and science achievement, Doctorate, E.UYSAL(Student), 2010
- ERYILMAZ A., Teaching practices enhancing students' affective characteristics related to physics, Doctorate, A.ABAK(Student), 2010
- ERYILMAZ A., A modeling study : the interrelationships among elementary students' epistemological beliefs, learning environment perceptions, learning approaches and science achievement, Doctorate, E.Uysal(Student), 2010

ERYILMAZ A., An aptitude treatment interaction study: The effect of inquiry-based instruction and lecture instruction on high school students' physics achievement, Doctorate, H.CAN(Student), 2010

ERYILMAZ A., The effect of instructional comics on sixth grade students' achievement in heat transfer, Doctorate, E.ÖZDEMİR(Student), 2010

ERYILMAZ A., An aptitude treatment interaction study: the effect of inquiry based instruction and lecture instruction on high school students' physics achievement, Doctorate, H.Can(Student), 2010

ERYILMAZ A., The effect of problem based learning instruction on 7th grade students' science achievement, attitude toward science and scientific process skills, Doctorate, G.SERİN(Student), 2009

ERYILMAZ A., An analysis of the problem-based instruction in engineering education, Doctorate, Ö.ATEŞ(Student), 2009

ERYILMAZ A., Multiple case study on how physics teachers' characteristics affect students' motivation in physics, Doctorate, F.KORUR(Student), 2008

ERYILMAZ A., Needs assessment with special emphasis on individual differences based on teaching and assessment methods in science and technology classes by primary school teachers, Doctorate, P.Özdemir(Student), 2007

ERYILMAZ A., Finding anchoring analogies to help students' misconceptions in physics, Doctorate, S.YILMAZ(Student), 2007

ERYILMAZ A., The effects of conceptual approach and combined reading study strategy on students' achievement and attitudes towards physics, Doctorate, E.TAŞLIDERE(Student), 2007

ERYILMAZ A., Assessing tenth grade students' difficulties about kinematics graphs by a three-tier test, Postgraduate, Ö.AYDIN(Student), 2007

ERYILMAZ A., The effect of peer instruction on sixth grade students' science achievement and attitudes, Doctorate, S.SENCAR(Student), 2007

ERYILMAZ A., A needs analysis to develop an astronomy program for Turkish elementary and secondary schools, Postgraduate, O.Kahraman(Student), 2006

ERYILMAZ A., Analysis of issues related to education of pre-service physics teachers in Turkey, Postgraduate, M.TAM(Student), 2006

ERYILMAZ A., A needs analysis to develop an astronomy program for turkish elementary and secondary schools, Postgraduate, O.KAHRAMAN(Student), 2006

ERYILMAZ A., Analysis of high school physics textbooks, Postgraduate, S.KAVAZ(Student), 2006

ERYILMAZ A., Developing a three-tier test to assess high school students' misconceptions concerning force and motion, Postgraduate, F.TÜRKER(Student), 2005

ERYILMAZ A., Explaining the relationship between high school students' selected affective characteristics and their physics achievement, Postgraduate, Ö.Doğan(Student), 2005

ERYILMAZ A., Development of a three-tier to assess ninth grade students' misconceptions about simple electric circuits, Postgraduate, H.PEŞMAN(Student), 2005

ERYILMAZ A., Diagnosis of eleventh grade students' misconceptions about geometric optic by a three-tier test, Postgraduate, Y.KUTLUAY(Student), 2005

ERYILMAZ A., Explaining the relationship between high school students' selected affective characteristics and their physics achievement, Postgraduate, Ö.DOĞAN(Student), 2005

ERYILMAZ A., Development of a three-tier test to assess ninth grade students' misconceptions about simple electric circuits, Postgraduate, H.Peşman(Student), 2005

ERYILMAZ A., A survey about the opinions of student physics teachers, supervisors and mentors on practice teaching course, Postgraduate, N.ÇETİN(Student), 2005

ERYILMAZ A., The effects of activities based on role-play on ninth grade students' achievement and attitudes towards simple electric circuits, Postgraduate, Y.Küçükker(Student), 2004

ERYILMAZ A., The effect of activities based on role-play on ninth grade students' achievement and attitudes towards simple electric circuits, Postgraduate, Y.KÜÇÜKER(Student), 2004

ERYILMAZ A., The effects of textbook style and reading strategy on students' achievement and attitudes towards heat and temperature, Postgraduate, V.Akyüz(Student), 2004

ERYILMAZ A., The effects of textbook style and reading strategy on students' achievements and attitudes towards heat and temperature, Postgraduate, V.AKYÜZ(Student), 2004

ERYILMAZ A., GEBAN Ö., The effect of peer instruction on high school students' achievement and attitudes toward

physics, Doctorate, H.ERYILMAZ(Student), 2004

ERYILMAZ A., The relationships between seventh and tenth grade students' self-estimated intelligence dimensions and their science or physics achievement, Postgraduate, E.UYSAL(Student), 2004

ERYILMAZ A., The effect of gender on different categories of students' misconceptions about force and motion, Postgraduate, D.Temizkan(Student), 2003

ERYILMAZ A., Modeling the relationship between university students' selected affective characteristics and their physics achievement, Postgraduate, A.ABAK(Student), 2003

ERYILMAZ A., The effects of gender on different categories of students' misconceptions about force and motion, Postgraduate, D.TEMİZKAN(Student), 2003

ERYILMAZ A., Development and evaluation of a programmable simulation tool for learning physics, Postgraduate, E.Tunca(Student), 2003

ERYILMAZ A., The effects of hands-on activities on ninth grade students' achievement and attitudes towards physics, Postgraduate, Ö.HARDAL(Student), 2003

ERYILMAZ A., The effect of multiple intelligences based instruction on students physics achievement, Doctorate, D.GÜRÇAY(Student), 2003

ERYILMAZ A., Development and evaluation of a programmable simulation tool for learning physics, Postgraduate, E.TUNCA(Student), 2003

ERYILMAZ A., The effect of conceptual approach on students' achievement and attitudes toward physics., Postgraduate, E.Taşlıdere(Student), 2002

ERYILMAZ A., The Effect of conceptual approach on students' achievement and attitudes toward physics, Postgraduate, E.TAŞLIDERE(Student), 2002

ERYILMAZ A., GEBAN Ö., The effects of bridging analogies on high school students misconceptions in mechanics, Postgraduate, S.Yılmaz(Student), 2001

GEBAN Ö., ERYILMAZ A., The Effects of bridging analogies on high school students' misconceptions in mechanics, Postgraduate, S.YILMAZ(Student), 2001

ERYILMAZ A., The effects of teachers characteristics on high school students physics achievement motivation and attitudes, Postgraduate, F.KORUR(Student), 2001

ERYILMAZ A., The Effect of gender on different categories of ninth grade students' misconceptions concerning simple electric circuits, Postgraduate, S.SENCAR(Student), 2001

## Published journal articles indexed by SCI, SSCI, and AHCI

- I. **Promoting Conceptual Understanding with Explicit Epistemic Intervention in Metacognitive Instruction: Interaction Between the Treatment and Epistemic Cognition**  
Yerdelen-Damar S., ERYILMAZ A.  
Research in Science Education, vol.51, no.2, pp.547-575, 2021 (SSCI)
- II. **Development and application of a four-tier test to assess pre-service physics teachers' misconceptions about geometrical optics**  
Kaltakci-Gurel D., ERYILMAZ A., MCDERMOTT L. C.  
RESEARCH IN SCIENCE & TECHNOLOGICAL EDUCATION, vol.35, no.2, pp.238-260, 2017 (SSCI)
- III. **Counterintuitive Dynamics Test**  
BALTA N., ERYILMAZ A.  
INTERNATIONAL JOURNAL OF SCIENCE AND MATHEMATICS EDUCATION, vol.15, no.3, pp.411-431, 2017 (SSCI)
- IV. **Effects of the Integrated Online Advance Organizer Teaching Materials on Students' Science Achievement and Attitude**  
Korur F., TOKER S., ERYILMAZ A.  
JOURNAL OF SCIENCE EDUCATION AND TECHNOLOGY, vol.25, no.4, pp.628-640, 2016 (SCI-Expanded)
- V. **Identifying pre-service physics teachers' misconceptions and conceptual difficulties about geometrical optics**  
Kaltakci-Gurel D., ERYILMAZ A., MCDERMOTT L. C.

EUROPEAN JOURNAL OF PHYSICS, vol.37, no.4, 2016 (SCI-Expanded)

- VI. **The influence of instructional interactions on students' mental models about the quantization of physical observables: a modern physics course case**  
Korhasan N. D., ERYILMAZ A., ERKOC Ş.  
EUROPEAN JOURNAL OF PHYSICS, vol.37, no.1, 2016 (SCI-Expanded)
- VII. **A Review and Comparison of Diagnostic Instruments to Identify Students' Misconceptions in Science**  
Gurel D. K., Eryilmaz A., MCDERMOTT L. C.  
EURASIA JOURNAL OF MATHEMATICS SCIENCE AND TECHNOLOGY EDUCATION, vol.11, no.5, pp.989-1008, 2015 (SSCI)
- VIII. **Investigating students' mental models about the quantization of light, energy, and angular momentum**  
Didis N., ERYILMAZ A., ERKOC Ş.  
PHYSICAL REVIEW SPECIAL TOPICS-PHYSICS EDUCATION RESEARCH, vol.10, no.2, 2014 (SCI-Expanded)
- IX. **A Research Methodology to Conduct Effective Research Syntheses**  
ÜSTÜN U., ERYILMAZ A.  
Egitim Ve Bilim-Education And Science, vol.39, pp.1-32, 2014 (SSCI)
- X. **A Content Analysis of Physics Textbooks as a Probable Source of Misconceptions in Geometric Optics**  
Kaltakci Gurel D., ERYILMAZ A.  
HACETTEPE UNIVERSITESI EGITIM FAKULTESI DERGISI-HACETTEPE UNIVERSITY JOURNAL OF EDUCATION, vol.28, no.2, pp.234-245, 2013 (SSCI)
- XI. **Teachers' and Students' Perceptions of Effective Physics Teacher Characteristics**  
Korur F., ERYILMAZ A.  
EGITIM ARASTIRMALARI-EURASIAN JOURNAL OF EDUCATIONAL RESEARCH, vol.12, no.46, pp.101-120, 2012 (SSCI)
- XII. **The Relative Effectiveness of Integrated Reading Study Strategy and Conceptual Physics Approach**  
Taslidere E., ERYILMAZ A.  
RESEARCH IN SCIENCE EDUCATION, vol.42, no.2, pp.181-199, 2012 (SSCI)
- XIII. **Applying beliefs and resources frameworks to the psychometric analyses of an epistemology survey**  
Yerdelen-Damar S., ELBY A., ERYILMAZ A.  
PHYSICAL REVIEW SPECIAL TOPICS-PHYSICS EDUCATION RESEARCH, vol.8, no.1, 2012 (SCI-Expanded)
- XIV. **Integrating Gender and Group Differences into Bridging Strategy**  
YILMAZ S., ERYILMAZ A.  
JOURNAL OF SCIENCE EDUCATION AND TECHNOLOGY, vol.19, no.4, pp.341-355, 2010 (SCI-Expanded)
- XV. **Development and Application of Three-Tier Heat and Temperature Test: Sample of Bachelor and Graduate Students**  
Eryilmaz A.  
EGITIM ARASTIRMALARI-EURASIAN JOURNAL OF EDUCATIONAL RESEARCH, vol.10, no.40, pp.53-76, 2010 (SSCI)
- XVI. **Questions About Physics: The Case of a Turkish 'Ask a Scientist' Website**  
YERDELEN-DAMAR S., ERYILMAZ A.  
RESEARCH IN SCIENCE EDUCATION, vol.40, no.2, pp.223-238, 2010 (SSCI)
- XVII. **Development of a Three-Tier Test to Assess Misconceptions About Simple Electric Circuits**  
Pesman H., ERYILMAZ A.  
JOURNAL OF EDUCATIONAL RESEARCH, vol.103, no.3, pp.208-222, 2010 (SSCI)
- XVIII. **Alternative to Traditional Physics Instruction: Effectiveness of Conceptual Physics Approach**  
TASLIDERE E., ERYILMAZ A.  
EGITIM ARASTIRMALARI-EURASIAN JOURNAL OF EDUCATIONAL RESEARCH, vol.9, no.35, pp.109-128, 2009 (SSCI)
- XIX. **THE DEVELOPMENT OF ANCHORING ANALOGY DIAGNOSTIC TEST**  
YILMAZ S., ERYILMAZ A.  
HACETTEPE UNIVERSITESI EGITIM FAKULTESI DERGISI-HACETTEPE UNIVERSITY JOURNAL OF EDUCATION, no.37, pp.243-256, 2009 (SSCI)

- XX. **The relationship of freshmen's physics achievement and their related affective characteristics**  
GUNGOR A. (., Eryilmaz A., Fakioglu T.  
JOURNAL OF RESEARCH IN SCIENCE TEACHING, vol.44, no.8, pp.1036-1056, 2007 (SSCI)
- XXI. **Factors mediating the effect of gender on ninth-grade Turkish students' misconceptions concerning electric circuits**  
SENCAR S., Eryilmaz A.  
JOURNAL OF RESEARCH IN SCIENCE TEACHING, vol.41, no.6, pp.603-616, 2004 (SSCI)
- XXII. **Effects of conceptual assignments and conceptual change discussions on students' misconceptions and achievement regarding force and motion**  
Eryilmaz A.  
JOURNAL OF RESEARCH IN SCIENCE TEACHING, vol.39, no.10, pp.1001-1015, 2002 (SSCI)
- XXIII. **Effects of gender cognitive development and socioeconomic status on physics achievement**  
YILDIRIM U., ERYILMAZ A.  
Hacettepe Universitesi Egitim Fakultesi Dergisi-Hacettepe University Journal Of Education, vol.15, pp.121-126, 1999 (SSCI)

### Articles Published in Other Journals

- I. **Increasing the presence of Einsteinian physics in high school: the impact of a professional development program on teacher knowledge and practice**  
Balta N., Eryilmaz A., Oliveira A. W.  
TEACHER DEVELOPMENT, vol.26, no.2, pp.166-188, 2022 (ESCI)
- II. **Analysis of a Content-based Needs Assessment Survey for Physics Teachers**  
OKTAY Ö., ERYILMAZ A.  
HACETTEPE UNIVERSITESI EGITIM FAKULTESI DERGISI-HACETTEPE UNIVERSITY JOURNAL OF EDUCATION, vol.35, no.2, pp.387-403, 2020 (ESCI)
- III. **Investigating the Impact of Long-term Professional Development through Teacher Evaluation**  
OKTAY Ö., ERYILMAZ A.  
JOURNAL OF EDUCATION AND FUTURE-EGITIM VE GELECEK DERGISI, no.18, pp.83-94, 2020 (ESCI)
- IV. **The effect of the 'teacher-led PD for teachers' professional development program on students' achievement: an experimental study**  
Balta N., ERYILMAZ A.  
TEACHER DEVELOPMENT, vol.23, no.5, pp.588-608, 2019 (ESCI)
- V. **Fizik ve Kimya Disiplinleri için İlgi Çekici olan Bağlamların Bağlam Disiplin İlişkisi Kapsamında Belirlenmesi**  
BÜLBÜL M. Ş., ELMAS R., ERYILMAZ A.  
Mehmet Akif Ersoy Üniversitesi Eğitim Fakültesi Dergisi, no.50, pp.451-479, 2019 (Peer-Reviewed Journal)
- VI. **Comics in Science Teaching: A Case of Speech Balloon Completing Activity for Heat Related Concepts**  
ÖZDEMİR E., ERYILMAZ A.  
Journal of Inquiry Based Activities, vol.9, no.1, pp.37-51, 2019 (Peer-Reviewed Journal)
- VII. **Interaction between Students' Motivation and Physics Teachers' Characteristics: Multiple Case Study**  
KORUR F., ERYILMAZ A.  
QUALITATIVE REPORT, vol.23, no.12, pp.3054-3083, 2018 (ESCI)
- VIII. **Analysis of Finnish Education System to question the reasons behind Finnish success in PISA**  
ÜSTÜN U., ERYILMAZ A.  
Studies in Educational Research and Development, vol.2, no.2, pp.93-114, 2018 (Peer-Reviewed Journal)
- IX. **The role of metacognition in students' mental models of the quantization**  
DİDİŞ KÖRHASAN N., ERYILMAZ A., ERKOÇ Ş.  
Science Education International, vol.29, no.3, pp.183-191, 2018 (Peer-Reviewed Journal)
- X. **The Impact of The Metacognitive 7E Learning Cycle on Students Epistemological Understandings**

YERDELEN DAMAR S., ERYILMAZ A.

Kastamonu Eğitim Fakültesi Dergisi, vol.24, pp.603-618, 2016 (Peer-Reviewed Journal)

- XI. **Öğretmen Nitelikleri Çevrimiçi Anketi Sonuçlarının Analizi**  
KORUR F., ERYILMAZ A.  
K.Ü. Kastamonu Eğitim Fakültesi Dergisi, vol.23, pp.1813-1830, 2015 (Peer-Reviewed Journal)
- XII. **How to Write Good Quality Contextual Science Questions Criteris and Myths**  
ELMAS R., ERYILMAZ A.  
Journal of Theoretical Educational Sciences, vol.8, pp.564-580, 2015 (Peer-Reviewed Journal)
- XIII. **Analysis of the Problem Based Learning Implementations Students and Tutors Perceptions and Actions**  
ATEŞ Ö., ERYILMAZ A.  
Journal of Theory & Practice in Education, vol.11, pp.816-833, 2015 (Peer-Reviewed Journal)
- XIV. **Assessment of Pre Service Teachers Misconceptions in Geometrical Optics via a Three Tier Misconception**  
TAŞLIDERE E., ERYILMAZ A.  
Bartın Üniversitesi Eğitim Fakültesi Dergisi, vol.4, pp.269-289, 2015 (Peer-Reviewed Journal)
- XV. **Content analysis of physics education studies published in Turkish science education journal from 2004 to 2011**  
Önder N., Oktay Ö., Eraslan F., GÜLÇİÇEK Ç., Göksu V., KANLI U., ERYILMAZ A., GÜNEŞ B.  
Journal of Turkish Science Education, vol.10, no.4, pp.151-163, 2014 (Scopus)
- XVI. **Ulusal Fen Bilimleri ve Matematik Eğitimi Kongrelerindeki Fizik Eğitimi Çalışmalarının İçerik Analizi**  
KANLI U., GÜLÇİÇEK Ç., GÖKSU V., ÖNDER ÇELİKKANLI N., OKTAY Ö., ERASLAN F., ERASLAN F., ERYILMAZ A., GÜNEŞ B.  
Gazi Üniversitesi Gazi Eğitim Fakültesi Dergisi, vol.34, pp.127-153, 2014 (Peer-Reviewed Journal)
- XVII. **Ulusal Fen Bilimleri ve Matematik Eğitimi Kongrelerindeki Fizik Eğitimi Çalışmalarının İçerik Analizi**  
KANLI U., GÜLÇİÇEK Ç., GÖKSU V., ÖNDER ÇELİKKANLI N., OKTAY Ö., ERASLAN F., ERYILMAZ A., GÜNEŞ B.  
Gazi Eğitim Fakültesi Dergisi, vol.34, no.2, pp.127-153, 2014 (Peer-Reviewed Journal)
- XVIII. **Content analysis of physics education studies published in Turkish Science Education Journal from 2004 to 2011**  
ÖNDER ÇELİKKANLI N., OKTAY Ö., ERASLAN F., GÜLÇİÇEK Ç., GÖKSU V., KANLI U., ERYILMAZ A., GÜNEŞ B.  
Journal of Turkish Science Education, vol.10, pp.151-163, 2013 (Peer-Reviewed Journal)
- XIX. **Basit elektrik devreleri konusuna yönelik tutum ölçeği geliştirilmesi ve öğrencilerin tutumlarının değerlendirilmesi**  
TAŞLIDERE E., ERYILMAZ A.  
Journal of Turkish Science Education, vol.9, pp.31-46, 2012 (Peer-Reviewed Journal)
- XX. **Context based questions optics in animal eyes**  
KALTAKÇI GÜREL D., ERYILMAZ A.  
Physics Education, vol.46, pp.323-327, 2011 (Scopus)
- XXI. **Turkish New High School Physics Curriculum Teachers Views and Needs**  
BALTA N., ERYILMAZ A.  
Eurasian Journal of Physics and Chemistry Education, pp.72-88, 2011 (Peer-Reviewed Journal)
- XXII. **Bir başarı testi geliştirme çalışması Basit elektrik devreleri başarı testi geçerlik ve güvenilirlik araştırması**  
ŞEN H. C., ERYILMAZ A.  
Yüzüncü Yıl Üniversitesi Eğitim Fakültesi Dergisi, vol.8, pp.1-39, 2011 (Peer-Reviewed Journal)
- XXIII. **Effectiveness of hands on and minds on activities on students achievement and attitudes towards physics**  
ATEŞ Ö., ERYILMAZ A.  
Asia-Pacific Forum on Science Learning and Teaching, vol.12, pp.1-22, 2011 (Scopus)
- XXIV. **Upside down Image in a Spoon**  
BALTA N., ERYILMAZ A.

- Physics Education, vol.46, pp.380-382, 2011 (Scopus)
- XXV. **Pre service Physics Teachers Comprehension of Quantum Mechanical Concepts**  
DİDİŞ KÖRHASAN N., ERYILMAZ A., ERKOÇ Ş.  
Eurasia Journal of Mathematics, Science & Technology Education, vol.6, pp.227-235, 2010 (Peer-Reviewed Journal)
- XXVI. **Strengths and weaknesses of problem based learning students and tutors perceptions**  
ATEŞ Ö., ERYILMAZ A.  
Journal of the Buca Educational Sciences Faculty, vol.28, pp.40-58, 2010 (Peer-Reviewed Journal)
- XXVII. **Lise Öğrencilerinin Fizik Başarılarına Etki Eden Öğretmen Nitelikleri ile İlgili Algıları**  
KORUR F., ERYILMAZ A.  
Gazi Eğitim Fakültesi Dergisi, vol.29, pp.733-761, 2009 (Peer-Reviewed Journal)
- XXVIII. **Çoklu Zeka Alanlarına Dayalı Fizik Öğretimine İlişkin Dokuzuncu Sınıf Öğrencilerinin ve Öğretmenlerinin Görüşleri**  
GÜRÇAY D., ERYILMAZ A.  
Milli Eğitim Bakanlığı Eğitim ve Sosyal Bilimler Dergisi, vol.179, pp.138-152, 2008 (Peer-Reviewed Journal)
- XXIX. **Assessing the Impact of Bridging Analogies in Mechanics**  
Yılmaz S., Eryılmaz A., Geban Ö.  
School Science and Mathematics, vol.106, pp.220-230, 2006 (Peer-Reviewed Journal)
- XXX. **Yedinci ve Onuncu Sınıf Öğrencilerinin Kendini Değerlendirmesiyle Bulunan Çoklu Zeka Boyutları Üzerine Bir Çalışma**  
UYSAL E., ERYILMAZ A.  
Hacettepe Eğitim Dergisi, vol.30, pp.230-239, 2006 (Peer-Reviewed Journal)
- XXXI. **Çoklu Zeka Alanlarına Dayalı Öğretimin Öğrencilerin Fizik Başarılarına Etkisi**  
GÜRÇAY D., ERYILMAZ A.  
Hacettepe Eğitim Fakültesi Dergisi, vol.29, pp.103-109, 2005 (Peer-Reviewed Journal)
- XXXII. **High School Students Misconceptions about Simple Electric Circuits**  
SENCAR S., YILMAZ E. E., ERYILMAZ A.  
Hacettepe Journal of Education, vol.21, pp.113-120, 2001 (Peer-Reviewed Journal)
- XXXIII. **Factors Affecting Students Attitudes toward Physics**  
ÖZYÜREK A., ERYILMAZ A.  
Eğitim ve Bilim Dergisi, vol.26, pp.21-28, 2001 (Peer-Reviewed Journal)
- XXXIV. **Geleneksel Öğretim Metodunun ODTÜ Öğrencilerinin Mekanik Dersindeki Kavram Yanılgılarına Etkisi**  
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## **Metrics**

Publication: 108  
Citation (WoS): 565  
Citation (Scopus): 835  
H-Index (WoS): 10  
H-Index (Scopus): 12