

Prof. ÜMÜT TEMİZER

Personal Information

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International Researcher IDs

ScopusID: 17347134600

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Education Information

Doctorate, Erciyes University, Fen Fakültesi, Fizik Bölümü, Turkey 2005 - 2009

Postgraduate, Erciyes University, Fen Fakültesi, Fizik Bölümü, Turkey 2002 - 2005

Undergraduate, Erciyes University, Fen Fakültesi, Fizik Bölümü, Turkey 1998 - 2002

Dissertations

Doctorate, Zamana Bağlı Salımlı Dış Manyetik Alan Altında Kinetik Blume-Emery-Griffiths Sisteminde Dinamik Faz Geçişleri, Erciyes University, Fen Fakültesi, Fizik Bölümü, 2009

Postgraduate, Zamana Bağlı Salımlı Dış Manyetik Alan Altında Kinetik Spin-1 Blume-Capel Modelinde Dinamik Faz Geçışı, Erciyes University, Fen Fakültesi, Fizik Bölümü, 2005

Research Areas

Intensive Article 2: Electronic Structure, Electric, Magnetic and Optical Properties

Academic Titles / Tasks

Professor, Yozgat Bozok University, Fen-Edebiyat Fakültesi, Fizik, 2022 - Continues

Associate Professor, Yozgat Bozok University, Fen-Edebiyat Fakültesi, Fizik, 2015 - 2022

Assistant Professor, Yozgat Bozok University, Fen-Edebiyat Fakültesi, Fizik, 2010 - 2015

Research Assistant, Yozgat Bozok University, Fen-Edebiyat Fakültesi, Fizik, 2006 - 2010

Research Assistant, Erciyes University, Fen Fakültesi, Fizik Bölümü, 2004 - 2006

Academic and Administrative Experience

Yozgat Bozok University, 2010 - Continues

Yozgat Bozok University, 2010 - Continues

Courses

İstatistik Mekanik I, Postgraduate, 2014 - 2015, 2013 - 2014, 2012 - 2013

Termodinamik, Postgraduate, 2014 - 2015, 2013 - 2014, 2012 - 2013, 2011 - 2012
İstatistik Fizik, Undergraduate, 2014 - 2015, 2013 - 2014, 2012 - 2013, 2011 - 2012, 2010 - 2011
Kuantum Fiziği I, Undergraduate, 2014 - 2015, 2013 - 2014
Genel Fizik I (Makine Mühendisliği), Undergraduate, 2014 - 2015, 2013 - 2014, 2012 - 2013, 2010 - 2011
Fizikte Matematik Metotlar I, Postgraduate, 2014 - 2015, 2013 - 2014, 2011 - 2012, 2010 - 2011
Bitirme Tezi I, Undergraduate, 2013 - 2014, 2012 - 2013, 2011 - 2012
Fizikte Matematik Metotlar II, Postgraduate, 2013 - 2014, 2012 - 2013, 2011 - 2012, 2010 - 2011
Ferromanyetizma, Postgraduate, 2013 - 2014, 2012 - 2013, 2011 - 2012, 2010 - 2011
Bitirme Tezi II, Undergraduate, 2013 - 2014, 2012 - 2013, 2011 - 2012
Kuantum Fiziği II, Undergraduate, 2013 - 2014
Genel Fizik II (İnşaat Mühendisliği), Undergraduate, 2012 - 2013
Fizikte Mat. Met. I, Postgraduate, 2012 - 2013
Bilgisayar Programlama, Undergraduate, 2012 - 2013
İstatistik Mekanik II, Postgraduate, 2012 - 2013
Genel Fizik II (Makine Mühendisliği), Undergraduate, 2012 - 2013, 2011 - 2012
Klasik Mekanik II, Undergraduate, 2011 - 2012
İsstatistik Mekanik I, Postgraduate, 2011 - 2012
Klasik Mekanik I, Undergraduate, 2011 - 2012
E. M. T I, Undergraduate, 2011 - 2012
Fizik IV (Optik ve Dalgalar), Undergraduate, 2011 - 2012
E.M.T II, Undergraduate, 2011 - 2012
İstatistik Mekanik II, Undergraduate, 2010 - 2011
E M T II, Undergraduate, 2010 - 2011
İstatistik Mekanik I, Undergraduate, 2010 - 2011
Genel Fizik I (İnşaat Mühendisliği), Undergraduate, 2010 - 2011
Genel Fizik I (Jeoloji Mühendisliği), Undergraduate, 2010 - 2011
Temel Bilgisayar Teknikleri Kullanımı I, Undergraduate, 2010 - 2011

Advising Theses

Temizer Ü., Farklı örgü yapıları üzerinde karma spin-1 ve spin-5/2 ising sisteminin dinamik manyetik özellikleri, Postgraduate, L.DEMİR(Student), 2018
TEMİZER Ü., Karma spin-1 ve spin-5/2 ising sisteminin dinamik davranışı, Postgraduate, A.ÖZKILIÇ(Student), 2013
TEMİZER Ü., Karma spin-1 ve spin-2 ising modelinde dinamik faz geçişleri ve dinamik telafi sıcaklığı, Postgraduate, T.KORKMAZ(Student), 2013

Published journal articles indexed by SCI, SSCI, and AHCI

- I. **Kinetic mixed Ising system in the presence of a periodically varying external magnetic field: effective-field theory with Glauber-type stochastic dynamic for the magnetic properties**
ERTAŞ M., TEMİZER Ü.
EUROPEAN PHYSICAL JOURNAL PLUS, vol.137, no.11, 2022 (SCI-Expanded)
- II. **An investigation of competition on the dynamic magnetic properties of the core/shell nanowire**
TEMİZER Ü., KANTAR E.
CHINESE JOURNAL OF PHYSICS, vol.57, pp.269-281, 2019 (SCI-Expanded)
- III. **Dynamic hysteresis loops of the spin-2 bilayer Ising model**
ERTAŞ M., BATI M., TEMİZER Ü.
CHINESE JOURNAL OF PHYSICS, vol.56, no.3, pp.807-818, 2018 (SCI-Expanded)
- IV. **Dynamic Magnetic Features of the Mixed Ising System on the Bilayer Square Lattice**

- Temizer Ü, Demir L.
JOURNAL OF SUPERCONDUCTIVITY AND NOVEL MAGNETISM, vol.31, no.3, pp.889-903, 2018 (SCI-Expanded)
- V. **The dynamic critical properties of the spin-2 Ising model on a bilayer square lattice**
TEMİZER Ü, YARAR S., TULEK M.
PHYSICA A-STATISTICAL MECHANICS AND ITS APPLICATIONS, vol.450, pp.369-384, 2016 (SCI-Expanded)
- VI. **Dynamic phase diagrams of the mixed Ising bilayer system consisting of spin-3/2 and spin-2**
TEMİZER Ü, TULEK M., YARAR S.
PHYSICA A-STATISTICAL MECHANICS AND ITS APPLICATIONS, vol.415, pp.156-171, 2014 (SCI-Expanded)
- VII. **Dynamic magnetic properties of the mixed spin-1 and spin-3/2 Ising system on a two-layer square lattice**
Temizer Ü.
JOURNAL OF MAGNETISM AND MAGNETIC MATERIALS, vol.372, pp.47-58, 2014 (SCI-Expanded)
- VIII. **Nonequilibrium behavior of the kinetic metamagnetic spin-5/2 Blume-Capel model**
Temizer Ü.
CHINESE PHYSICS B, vol.23, no.7, 2014 (SCI-Expanded)
- IX. **The dynamic compensation temperature in a kinetic spin-5/2 Ising model on a hexagonal lattice**
TEMİZER Ü, ÖZKİLİC A.
CHINESE PHYSICS B, vol.22, no.3, 2013 (SCI-Expanded)
- X. **Dynamic phase transitions and compensation temperatures in the mixed spin-1 and spin-5/2 Ising system on alternate layers of a hexagonal lattice**
ÖZKİLİC A., TEMİZER Ü.
JOURNAL OF MAGNETISM AND MAGNETIC MATERIALS, vol.330, pp.55-65, 2013 (SCI-Expanded)
- XI. **Nonlinear Optical Rectification and Oscillator Strength in a Spherical Quantum Dot with Parabolic Confinement in the Presence of the Electric Field**
KIRAK M., YILMAZ S., TEMİZER Ü.
JOURNAL OF NANOELECTRONICS AND OPTOELECTRONICS, vol.8, no.2, pp.165-169, 2013 (SCI-Expanded)
- XII. **Dynamic compensation temperature in the mixed spin-1 and spin-2 Ising model in an oscillating field on alternate layers of a hexagonal lattice**
KORKMAZ T., TEMİZER Ü.
JOURNAL OF MAGNETISM AND MAGNETIC MATERIALS, vol.324, no.22, pp.3876-3886, 2012 (SCI-Expanded)
- XIII. **Dynamic compensation temperature in the kinetic spin-2 Ising model in an oscillating magnetic field on alternate layers of a hexagonal lattice**
Temizer Ü, Korkmaz T.
EUROPEAN PHYSICAL JOURNAL B, vol.85, no.10, 2012 (SCI-Expanded)
- XIV. **Dynamic compensation temperature in the kinetic spin-1 Ising model in an oscillating external magnetic field on alternate layers of a hexagonal lattice**
Temizer Ü, KESKİN M., CANKO O.
JOURNAL OF MAGNETISM AND MAGNETIC MATERIALS, vol.321, no.19, pp.2999-3006, 2009 (SCI-Expanded)
- XV. **Multicritical dynamical phase diagrams of the kinetic Blume-Emery-Griffiths model with repulsive biquadratic coupling in an oscillating field**
Temizer Ü, KANTAR E., KESKİN M., CANKO O.
JOURNAL OF MAGNETISM AND MAGNETIC MATERIALS, vol.320, no.11, pp.1787-1801, 2008 (SCI-Expanded)
- XVI. **Dynamic phase transition in the kinetic Blume-Emery-Griffiths model: Phase diagrams in the temperature and interaction parameters planes**
Keskin M., Temizer Ü, Canko O., Kantar E.
PHASE TRANSITIONS, vol.80, no.8, pp.855-866, 2007 (SCI-Expanded)
- XVII. **Dynamic phase transition in the kinetic spin-1 Blume-Capel model: Phase diagrams in the temperature and crystal-field interaction plane**
Keskin M., Canko O., Temizer Ü.
JOURNAL OF EXPERIMENTAL AND THEORETICAL PHYSICS, vol.104, no.6, pp.936-942, 2007 (SCI-Expanded)
- XVIII. **Dynamic phase transition in the kinetic spin-1 Blume-Capel model under a time-dependent**

oscillating external field

Keskin M., Canko O., Temizer Ü.

Physical Review E - Statistical, Nonlinear, and Soft Matter Physics, vol.72, no.3, 2005 (SCI-Expanded)

Refereed Congress / Symposium Publications in Proceedings

- I. **The Effect of the Oscillating Field Frequency on the Dynamic Phase Diagrams in the Mixed Spin 3 2 and Spin 2 Ising System**
TEMİZER Ü., TÜLEK M.
9th International Physics Conference of the Balkan Physical Union, 24 - 27 August 2015
- II. **Dynamic Magnetic Behavior of the Mixed spin 1 and Spin 5 2 Ising System on a two layer Square Lattice**
TEMİZER Ü., YILMAZ S., YARAR S.
9th International Physics Conference of the Balkan Physical Union, 24 - 27 August 2015
- III. **Dynamic Phase Diagrams and Hysteresis Behaviors of the Spin 1 and Spin 3 2 Ising System on a Layered Honeycomb Lattices**
TEMİZER Ü., YILMAZ S., TÜLEK M.
9th International Physics Conference of the Balkan Physical Union, 24 - 27 August 2015
- IV. **Dynamic Compensation Temperature in the Kinetic Spin 3 2 Ising Model on a Hexagonal Lattice**
TEMİZER Ü., YILMAZ S., YARAR S.
9th International Physics Conference of the Balkan Physical Union, 24 - 27 August 2015
- V. **The nonequilibrium behavior of the spin 2 Ising System on the Different Lattices**
TEMİZER Ü., YARAR S.
9th International Physics Conference of the Balkan Physical Union, 24 - 27 August 2015

Supported Projects

Temizer Ü., Kantar E., Project Supported by Higher Education Institutions, Ising tipi çekirdek/kabuk nanoyapıda dinamik manyetik özellikler: Kabuğun doğası ve yapı parametrelerinin etkisi, 2017 - 2019

TEMİZER Ü., Project Supported by Higher Education Institutions, Farklı Örgü Yapıları Üzerinde Karma Spin-1 ve Spin-5/2 Ising Sisteminin Dinamik Manyetik Özellikleri, 2017 - 2018

TEMİZER Ü., Project Supported by Higher Education Institutions, İki katlı kare örgü üzerinde spin 2 Ising sisteminin dinamik davranışının incelenmesi, 2015 - 2016

Temizer Ü., Özkılıç A., Project Supported by Higher Education Institutions, Karma Spin 1 ve Spin 5 2 Ising Modelinde Dinamik Faz Geçişleri ve Dinamik Telafi Sıcaklığı, 2012 - 2013

Temizer Ü., Korkmaz T., Project Supported by Higher Education Institutions, Karma Spin 1 ve Spin 2 Ising Modelinde Dinamik Faz Geçişleri ve Dinamik Telafi Sıcaklığı, 2012 - 2013

Metrics

Publication: 35

Citation (WoS): 192

Citation (Scopus): 336

H-Index (WoS): 8

H-Index (Scopus): 11