Prof. YUSUF YÜKSEL

Personal Information

Email: yusuf.yuksel@deu.edu.tr
Web: https://avesis.deu.edu.tr/yusuf.yuksel

International Researcher IDs
ScholarID: l3i-0RsAAAAJ
ORCID: 0000-0002-4026-4671
Publons / Web Of Science ResearcherID: A-5472-2013
ScopusID: 26968183900
Yoksis Researcher ID: 181815

Education Information

Doctorate, Dokuz Eylul University, Fen Bilimleri Enstitüsü, Fizik (Dr), Turkey 2008 - 2013
Postgraduate, Dokuz Eylul University, Fen Bilimleri Enstitüsü, Fizik (Yl) (Tezli), Turkey 2006 - 2008
Undergraduate, Dokuz Eylul University, Fen Fakültesi, Fizik Bölümü, Turkey 2002 - 2006

Foreign Languages

English, B1 Intermediate

Dissertations

Doctorate, Improved effective field theory analysis of critical phenomena in Ising model with quenched disorder effects, Dokuz Eylul University, Fen Bilimleri Enstitüsü, Fizik (Dr), 2013
Postgraduate, Magnetic properties of the spin-1 Blume-Emery-Griffiths model in the presence of magnetic field, Dokuz Eylul University, Fen Bilimleri Enstitüsü, Fizik (Yl) (Tezli), 2008

Research Areas

Physics, Natural Sciences

Academic Titles / Tasks

Professor, Dokuz Eylul University, Fen Fakültesi, Fizik Bölümü, 2024 - Continues
Associate Professor, Dokuz Eylul University, Fen Fakültesi, Fizik Bölümü, 2016 - 2024

Academic and Administrative Experience

Deputy Head of Department, Dokuz Eylul University, Fen Fakültesi, Fizik Bölümü, 2022 - Continues
Bölüm Akademik Teşvik Değerlendirme Komisyonu Üyesi, Dokuz Eylul University, Fen Fakültesi, Fizik Bölümü, 2020 -

Continues
Performance Evaluation Commission Member, Dokuz Eylul University, Fen Fakültesi, Fizik Bölümü, 2021 - 2023
Deputy Head of Department, Dokuz Eylul University, Fen Fakültesi, Fizik Bölümü, 2016 - 2018

Courses

Undergraduate
Physics II , Undergraduate, 2023 - 2024
Physics IV Optics and Modern Physics, Undergraduate, 2023 - 2024
Physics I, Undergraduate, 2023 - 2024
Manyetizma 101, Undergraduate, 2023 - 2024
Diferansiyel Denklemler, Undergraduate, 2023 - 2024
Physics 2, Undergraduate, 2021 - 2022
Physics 2, Undergraduate, 2021 - 2022
Physics 1, Undergraduate, 2022 - 2023
Physics 4 Optics and Modern Physics, Undergraduate, 2021 - 2022
Physics III, Undergraduate, 2022 - 2023
Physics 1, Undergraduate, 2021 - 2022
Physics 1, Undergraduate, 2021 - 2022
Fizik 1, Undergraduate, 2021 - 2022
Physics 3 (Fluids Waves and Thermodynamics), Undergraduate, 2021 - 2022

Published journal articles indexed by SCI, SSCI, and AHCI

I. **Investigation of stabilization and survival of skyrmion vortices in the presence of magnetic field disorder in two-dimensional lattices: a case study for Janus dichalcogenides**
YÜKSEL Y.
Journal of Physics D: Applied Physics, vol.57, no.33, 2024 (SCI-Expanded)

II. **Exploring the equilibrium and dynamic phase transition properties of the Ising ferromagnet on a decorated triangular lattice**
YÜKSEL Y.
Physical Review E, vol.108, no.3, 2023 (SCI-Expanded)

III. **Unveiling the similarities and dissimilarities between dynamic and thermodynamic phase transitions in a magnetic binary alloy system: a Monte Carlo study**
YÜKSEL Y.
Physica Scripta, vol.98, no.3, 2023 (SCI-Expanded)

IV. **Metamagnetic anomalies in the kinetic Blume-Capel model with arbitrary spin**
YÜKSEL Y., AKINCI Ü., VATANSEVER E.
PHYSICA A-STATISTICAL MECHANICS AND ITS APPLICATIONS, vol.603, 2022 (SCI-Expanded)

V. **Dynamic phase transition in classical Ising models**
YÜKSEL Y., VATANSEVER E.
JOURNAL OF PHYSICS D-APPLIED PHYSICS, vol.55, no.7, 2022 (SCI-Expanded)

VI. **Magnetization of silicene via coverage with gadolinium: Effects of thickness, symmetry, strain, and coverage**
DEMİRCİ S., Gorkan T., Callioglu S., YÜKSEL Y., AKINCI Ü., AKTÜRK E., ÇIRACI S.
PHYSICAL REVIEW B, vol.104, no.22, 2021 (SCI-Expanded)

VII. **Dynamic phase transition properties and metamagnetic anomalies of kinetic Ising model in the presence of additive white noise**
YÜKSEL Y.

PHYSICA A-STATISTICAL MECHANICS AND ITS APPLICATIONS, vol.580, 2021 (SCI-Expanded)

VIII. **Formation and annihilation of magnetic skyrmions on a square lattice Heisenberg Ferromagnet: the role played by the pure and random anisotropy configurations**
Yuksel Y.
PHILOSOPHICAL MAGAZINE, vol.101, no.15, pp.1782-1800, 2021 (SCI-Expanded)

IX. **Columnar antiferromagnetic order of a MBene monolayer**
Ozdemir I., KADIOĞLU Y., YÜKSEL Y., AKINCI Ü., AKTÜRK O. Ü., AKTÜRK E., ÇIRACI S.
PHYSICAL REVIEW B, vol.103, no.14, 2021 (SCI-Expanded)

X. **Magnetocaloric properties of the spin-S (S >= 1) Ising model driven by a time dependent oscillating magnetic field**
YÜKSEL Y., VATANSEVER E., AKINCI Ü.
PHYSICS LETTERS A, vol.388, 2021 (SCI-Expanded)

XI. **Magnetocaloric properties of FM/AFM core/shell nanoparticles: a Monte Carlo simulation study**
VATANSEVER E., YÜKSEL Y., DEMİR VATANSEVER Z.
EUROPEAN PHYSICAL JOURNAL B, vol.94, no.1, 2021 (SCI-Expanded)

XII. **Dynamic phase transition and universality in a quasi 2D system: Bilayer Ising/Blume-Capel ferromagnet on a honeycomb lattice**
YÜKSEL Y.
JOURNAL OF MAGNETISM AND MAGNETIC MATERIALS, vol.513, 2020 (SCI-Expanded)

XIII. **A new single-layer structure of MBene family: Ti2B**
Ozdemir I., Kadioglu Y., AKTÜRK O. Ü., Yuksel Y., Akinci Ü., Akturk E.
JOURNAL OF PHYSICS-CONDENSED MATTER, vol.31, no.50, 2019 (SCI-Expanded)

XIV. **Effects of the particle size and shape of the magnetic nanoparticles on the magnetic hyperthermia and exchange bias properties**
YÜKSEL Y.
PHYSICA B-CONDENSED MATTER, vol.575, 2019 (SCI-Expanded)

XV. **A simulation approach for the finite-temperature magnetic properties, stochastic dynamics and heating properties of magnetic nanoparticles composed of FM core/AFM shell**
YÜKSEL Y.
INTERNATIONAL JOURNAL OF MODERN PHYSICS B, vol.33, no.23, 2019 (SCI-Expanded)

XVI. **Exploring the electronic and magnetic properties of new metal halides from bulk to two-dimensional monolayer: RuX3 (X = Br, I)**
ERSAN F., VATANSEVER E., Sarikurt S., YÜKSEL Y., KADIOĞLU Y., Ozaydin H. D., AKTÜRK O. Ü., AKINCI Ü., AKTÜRK E.
JOURNAL OF MAGNETISM AND MAGNETIC MATERIALS, vol.476, pp.111-119, 2019 (SCI-Expanded)

XVII. **Strain effects on electronic and magnetic properties of the monolayer alpha-RuCl3: A first-principles and Monte Carlo study**
VATANSEVER E., Sarikurt S., ERSAN F., KADIOĞLU Y., AKTÜRK O. Ü., YÜKSEL Y., Ataca C., AKTÜRK E., AKINCI Ü.
JOURNAL OF APPLIED PHYSICS, vol.125, no.8, 2019 (SCI-Expanded)

XVIII. **Multiple hysteresis behaviors in spin models: Effect of anisotropy in the exchange interaction**
AKINCI Ü., YÜKSEL Y.
PHYSICA B-CONDENSED MATTER, vol.549, pp.1-5, 2018 (SCI-Expanded)

XIX. **Monte Carlo simulation of exchange bias in spin valve systems**
YÜKSEL Y., AKINCI Ü.
PHYSICA B-CONDENSED MATTER, vol.549, pp.24-30, 2018 (SCI-Expanded)

XX. **Magnetocaloric properties of the spin-S (S >= 1) Ising model on a honeycomb lattice**
AKINCI Ü., YÜKSEL Y., VATANSEVER E.
PHYSICS LETTERS A, vol.382, no.45, pp.3238-3243, 2018 (SCI-Expanded)

XXI. **Monte Carlo simulation of equilibrium and dynamic phase transition properties of an Ising bilayer**
YÜKSEL Y.
EUROPEAN PHYSICAL JOURNAL B, vol.91, no.10, 2018 (SCI-Expanded)

XXII. **Magnetic anisotropy and interface exchange coupling dependence of exchange bias in core/shell**

doubly inverted magnetic nanoparticles
Vatansever Z., YÜKSEL Y., Vatansever E.
JOURNAL OF PHYSICS D-APPLIED PHYSICS, vol.51, no.36, 2018 (SCI-Expanded)

XXIII. **Exchange bias mechanism in FM/FM/AF spin valve systems in the presence of random unidirectional anisotropy field at the AF interface: The role played by the interface roughness due to randomness**
YÜKSEL Y.
PHYSICS LETTERS A, vol.382, no.19, pp.1298-1304, 2018 (SCI-Expanded)

XXIV. **Influence of modified surface effects on the magnetocaloric properties of ferromagnetic thin films**
YÜKSEL Y., AKINCI Ü., VATANSEVER E.
THIN SOLID FILMS, vol.646, pp.67-74, 2018 (SCI-Expanded)

XXV. **A comparative study of critical phenomena and magnetocaloric properties of ferromagnetic ternary alloys**
YÜKSEL Y., AKINCI Ü.
JOURNAL OF PHYSICS AND CHEMISTRY OF SOLIDS, vol.112, pp.143-152, 2018 (SCI-Expanded)

XXVI. **Electronic and magnetic properties of monolayer alpha-RuCl3: a first-principles and Monte Carlo study**
Sarikurt S., Kadioglu Y., Ersan F., VATANSEVER E., AKTÜRK O. Ü., YÜKSEL Y., AKINCI Ü., Akturk E.
PHYSICAL CHEMISTRY CHEMICAL PHYSICS, vol.20, no.2, pp.997-1004, 2018 (SCI-Expanded)

XXVII. **Nonmagnetic impurities and roughness effects on the finite temperature magnetic properties of core-shell spherical nanoparticles with antiferromagnetic interface coupling**
VATANSEVER E., YÜKSEL Y.
JOURNAL OF MAGNETISM AND MAGNETIC MATERIALS, vol.441, pp.548-556, 2017 (SCI-Expanded)

XXVIII. **Non equilibrium magnetocaloric properties of Ising model defined on regula lattices with arbitrary coordination number**
VATANSEVER E., AKINCI Ü., YÜKSEL Y.
PHYSICA A-STATISTICAL MECHANICS AND ITS APPLICATIONS, vol.479, pp.563-571, 2017 (SCI-Expanded)

XXIX. **Shell thickness and dynamic magnetic field effects on the critical phenomena of magnetic core-shell nanoparticles with spherical geometry**
YÜKSEL Y.
PHYSICA B-CONDENSED MATTER, vol.508, pp.62-68, 2017 (SCI-Expanded)

XXX. **Influence of time dependent longitudinal magnetic fields on the cooling process, exchange bias and magnetization reversal mechanism in FM core/AFM shell nanoparticles: a Monte Carlo study**
YÜKSEL Y., AKINCI Ü.
JOURNAL OF PHYSICS-CONDENSED MATTER, vol.28, no.48, 2016 (SCI-Expanded)

XXXI. **Dynamic phenomena in magnetic ternary alloys**
VATANSEVER E., YÜKSEL Y.
JOURNAL OF ALLOYS AND COMPOUNDS, vol.689, pp.446-450, 2016 (SCI-Expanded)

XXXII. **Monte Carlo simulation of Prussian blue analogs described by Heisenberg ternary alloy model**
YÜKSEL Y.
JOURNAL OF PHYSICS AND CHEMISTRY OF SOLIDS, vol.86, pp.207-214, 2015 (SCI-Expanded)

XXXIII. **Dynamic phase transition phenomena and magnetization reversal process in uniaxial ferromagnetic nanowires**
YÜKSEL Y.
JOURNAL OF MAGNETISM AND MAGNETIC MATERIALS, vol.389, pp.34-39, 2015 (SCI-Expanded)

XXXIV. **Critical behavior and universality properties of uniaxial ferromagnetic thin films in the presence of random magnetic fields**
YÜKSEL Y.
JOURNAL OF MAGNETISM AND MAGNETIC MATERIALS, vol.385, pp.47-54, 2015 (SCI-Expanded)

XXXV. **Thickness dependent Curie temperature and power-law behavior of layering transitions in ferromagnetic classical and quantum thin films described by Ising, XY and Heisenberg models**
YÜKSEL Y., AKINCI Ü.

Physica B: Condensed Matter, vol.462, pp.54-58, 2015 (SCI-Expanded)

XXXVI. **Monte Carlo study of magnetization dynamics in uniaxial ferromagnetic nanowires in the presence of oscillating and biased magnetic fields**
YÜKSEL Y.
PHYSICAL REVIEW E, vol.91, no.3, 2015 (SCI-Expanded)

XXXVII. **Order parameters and hysteresis behavior of a ferromagnetic Blume-Capel thin film: The role of the crystal field interactions**
YÜKSEL Y.
PHYSICA B-CONDENSED MATTER, vol.436, pp.1-9, 2014 (SCI-Expanded)

XXXVIII. **An effective field theory study of layering transitions in Blume-Capel thin films in the presence of quenched random crystal fields**
YÜKSEL Y.
PHYSICA A-STATISTICAL MECHANICS AND ITS APPLICATIONS, vol.396, pp.9-18, 2014 (SCI-Expanded)

XXXIX. **Universality aspects of layering transitions in ferromagnetic Blume-Capel thin films**
YÜKSEL Y., AKINCI Ü.
PHYSICA B-CONDENSED MATTER, vol.433, pp.96-101, 2014 (SCI-Expanded)

XL. **Monte Carlo simulations of dynamic phase transitions in ultrathin Blume-Capel films**
YÜKSEL Y.
PHYSICS LETTERS A, vol.377, no.38, pp.2494-2504, 2013 (SCI-Expanded)

XLI. **Investigation of critical phenomena and magnetism in amorphous Ising nanowire in the presence of transverse fields**
YÜKSEL Y., AKINCI Ü., POLAT H.
PHYSICA A-STATISTICAL MECHANICS AND ITS APPLICATIONS, vol.392, no.10, pp.2347-2358, 2013 (SCI-Expanded)

XLII. **Investigation of oscillation frequency and disorder induced dynamic phase transitions in a quenched-bond diluted Ising ferromagnet**
VATANSEVER E., AKINCI Ü., YÜKSEL Y., POLAT H.
JOURNAL OF MAGNETISM AND MAGNETIC MATERIALS, vol.329, pp.14-23, 2013 (SCI-Expanded)

XLIII. **Investigation of bond dilution effects on the magnetic properties of a cylindrical Ising nanowire**
YÜKSEL Y., AKINCI Ü., POLAT H.
PHYSICA STATUS SOLIDI B-BASIC SOLID STATE PHYSICS, vol.250, no.1, pp.196-206, 2013 (SCI-Expanded)

XLIV. **Effective field investigation of dynamic phase transitions for site diluted Ising ferromagnets driven by a periodically oscillating magnetic field**
AKINCI Ü., YÜKSEL Y., VATANSEVER E., POLAT H.
PHYSICA A-STATISTICAL MECHANICS AND ITS APPLICATIONS, vol.391, no.23, pp.5810-5817, 2012 (SCI-Expanded)

XLV. **Dynamic phase transition properties and hysteretic behavior of a ferrimagnetic core-shell nanoparticle in the presence of a time dependent magnetic field**
YÜKSEL Y., VATANSEVER E., POLAT H.
JOURNAL OF PHYSICS-CONDENSED MATTER, vol.24, no.43, 2012 (SCI-Expanded)

XLVI. **Stationary State Solutions of a Bond Diluted Kinetic Ising Model: An Effective-Field Theory Analysis**
Vatansever E., Aktas B. O., YÜKSEL Y., AKINCI Ü., Polat H.
JOURNAL OF STATISTICAL PHYSICS, vol.147, no.6, pp.1068-1076, 2012 (SCI-Expanded)

XLVII. **Critical behavior and phase diagrams of a spin-1 Blume-Capel model with random crystal field interactions: An effective field theory analysis**
YÜKSEL Y., AKINCI Ü., POLAT H.
PHYSICA A-STATISTICAL MECHANICS AND ITS APPLICATIONS, vol.391, no.9, pp.2819-2832, 2012 (SCI-Expanded)

XLVIII. **Nonequilibrium phase transitions and stationary-state solutions of a three-dimensional random-field Ising model under a time-dependent periodic external field**
YÜKSEL Y., VATANSEVER E., AKINCI Ü., POLAT H.
PHYSICAL REVIEW E, vol.85, no.5, 2012 (SCI-Expanded)

XLIX. **Random field effects on the phase diagrams of spin-1/2 Ising model on a honeycomb lattice**
YÜKSEL Y., AKINCI Ü., POLAT H.
PHYSICA A-STATISTICAL MECHANICS AND ITS APPLICATIONS, vol.391, no.3, pp.415-422, 2012 (SCI-Expanded)

L. **Thermal and magnetic properties of a ferrimagnetic nanoparticle with spin-3/2 core and spin-1 shell structure**
YÜKSEL Y., AYDINER E., POLAT H.
JOURNAL OF MAGNETISM AND MAGNETIC MATERIALS, vol.323, no.23, pp.3168-3175, 2011 (SCI-Expanded)

LI. **Effective-field-theory analysis of the three-dimensional random-field Ising model on isometric lattices**
AKINCI Ü., YÜKSEL Y., POLAT H.
PHYSICAL REVIEW E, vol.83, no.6, 2011 (SCI-Expanded)

LII. **Effects of the bond dilution on the phase diagrams of a spin-1 transverse Ising model with crystal field interaction on a honeycomb lattice**
AKINCI Ü., YÜKSEL Y., POLAT H.
PHYSICA A-STATISTICAL MECHANICS AND ITS APPLICATIONS, vol.390, no.4, pp.541-552, 2011 (SCI-Expanded)

LIII. **An introduced effective-field theory study of spin-1 transverse Ising model with crystal field anisotropy in a longitudinal magnetic field**
YÜKSEL Y., POLAT H.
JOURNAL OF MAGNETISM AND MAGNETIC MATERIALS, vol.322, no.24, pp.3907-3916, 2010 (SCI-Expanded)

LIV. **Dependence on dilution of critical and compensation temperatures of a two-dimensional mixed spin-1/2 and spin-1 system**
AYDINER E., YÜKSEL Y., KIS ÇAM E., POLAT H.
JOURNAL OF MAGNETISM AND MAGNETIC MATERIALS, vol.321, no.19, pp.3193-3197, 2009 (SCI-Expanded)

LV. **An introduced effective-field approximation and Monte Carlo study of a spin-1 Blume-Capel model on a square lattice**
YÜKSEL Y., AKINCI Ü., POLAT H.
PHYSICA SCRIPTA, vol.79, no.4, 2009 (SCI-Expanded)

Articles Published in Other Journals

I. **The effect of interfacial morphology on the magnetic and magnetocaloric properties of ferromagnetic nanoparticles with core-shell geometry: a Monte Carlo Study**
YÜKSEL Y.
TURKISH JOURNAL OF PHYSICS, vol.46, no.1, pp.27-36, 2022 (ESCI)

Papers Published in Refereed Scientific Meetings

I. **POSSIBILITIES OF ENHANCING MAGNETOCALORIC EFFECT IN LOW DIMENSIONAL SYSTEMS**
AKINCI Ü., YÜKSEL Y., VATANSEVER E., DEMİR VATANSEVER Z.
FIRST INTERNATIONAL BILATERAL WORKSHOP ON SCIENCE BETWEEN DOKUZ EYLÜL UNIVERSITY AND AZERBAIJAN NATIONAL ACADEMY OF SCIENCES, Turkey, 19 November 2021

II. **Exploring the electronic and magnetic properties of new metal halides from bulk to two-dimensional monolayer: RuX3 (X = Br, I)**
ERSAN F., VATANSEVER E., SARIKURT S., YÜKSEL Y., KADIOĞLU Y., Ozaydın H. D., ÜZENGİ AKTÜRK O., AKINCI Ü., AKTÜRK E.
International Materials Science and Nanotechology for Next Generation Conference (MSNG2019), Niğde, Turkey, 16 - 18 October 2019

III. **Electronic and magnetic properties of monolayer a-RuCl 3 : a first-principles and Monte Carlo study**
SARIKURT S., KADIOĞLU Y., ERSAN F., VATANSEVER E., ÜZENGİ AKTÜRK O., YÜKSEL Y., AKINCI Ü., AKTÜRK E.

International Conference on Materials Science and Technology, Ankara, Turkey, 18 - 20 October 2019

IV. **Magnetic Phase Transition by Strain Effect on Monolayer a-RuCl3**
KADIOĞLU Y., VATANSEVER E., SARIKURT S., ERSAN F., ÜZENGİ AKTÜRK O., YÜKSEL Y., ATACA C., AKTÜRK E., AKINCI Ü.
TFD 35. Uluslararası Fizik Kongresi, Turkey, 4 - 08 September 2019

V. **Effects of the particle size and shape of the magnetic nanoparticles on the magnetic hyperthermia and exchange bias properties**
YÜKSEL Y., VATANSEVER E., DEMİR VATANSEVER Z.
12th International Symposium onHysteresis Modeling and Micromagnetics, 19 - 22 May 2019

VI. **Dynamic Phase Transition Characteristics and Stochastic Behavior of Kinetic Ising Model in an Oscillating Magnetic Field with White Noise**
YÜKSEL Y.
Adım Fizik Günleri 2018, Aydın, Turkey, 23 - 25 May 2018

VII. **Monte Carlo simulation of exchange bias in spin valvesystems: Dynamic phase transition properties**
AKINCI Ü., YÜKSEL Y.
11th Symposium on Hysteresis Modeling and Micromagnetics, Barcelona, Spain, 29 - 31 May 2017

VIII. **Multiple hysteresis behaviors in spin models: effect ofanisotropy in the exchange interaction**
YÜKSEL Y., AKINCI Ü.
11th Symposium on Hysteresis Modeling and Micromagnetics, Barcelona, Spain, 29 - 31 May 2017

IX. **Multiple hysteresis behaviors in spin models: effect ofrandom field and crystal field distribution**
AKINCI Ü., YÜKSEL Y.
11th Symposium on Hysteresis Modeling and Micromagnetics, Barcelona, Spain, 29 - 31 May 2017

X. **Monte Carlo simulation of exchange bias in bilayers and spherical particles: Dynamic phase transition properties**
YÜKSEL Y., AKINCI Ü.
11th International Symposium on Hysteresis Modeling and Micromagnetics (HMM 2017) Barcelona, İspanya, 29-31 Mayıs 2017, Barcelona, Spain, 29 - 31 May 2017

XI. **A simulational study of exchange anisotropy in magnetic nanoparticles in the presence of dynamic magnetic fields**
YÜKSEL Y.
42nd Conference of the Middle European Cooperation in Statistical Physics (MECO 42), Lyon, Fransa, 8-10 Şubat 2017, Lyon, France, 8 - 10 February 2017

XII. **Manyetik Nanoparçacıklarda Değiş Tokuş Anizotropisinin Dinamik Manyetik Alanlar Varlığındaki Davranışı**
AKINCI Ü., YÜKSEL Y.
23. İstatistik Fizik Günleri, Turkey, 23 - 24 June 2016

XIII. **Magnetization Dynamics in Soft Ferromagnetic and Exchange Biased Nanowires with Tunable Core and Shell Radii**
YÜKSEL Y.
Fourth International Workshop on Statistical Mechanics and Dynamical Systems, 17 - 19 July 2014

XIV. **Universality Aspects of Layering Transitions in Ferromagnetic Blume Capel Thin Films**
YÜKSEL Y.
20. İstatistiksel Fizik Günleri, Turkey, 27 - 29 June 2013

XV. **Dynamic phase transition properties and hysteretic behavior of a ferrimagnetic core shell nanoparticle in the presence of time dependent perturbation**
YÜKSEL Y.
Greek-Turkish Conference on Statistical Mechanics, 27 August - 02 September 2012

XVI. **Effects of the bond dilution on the phase diagrams of a spin 1 transverse Ising model with crystal field interaction on a honeycomb lattice**
YÜKSEL Y.
18. İstanbul İstatistik Fizik Günleri, United States Of America, 30 June - 02 July 2011

Supported Projects

Yüksel Y., Aktürk E., Akıncı Ü., Kadıoğlu Y., TUBITAK Project, Saf ve Janus Ni-Dihalidlerden Elde Edilen Düzlemsel ve Katlı Heteroyapıların Manyetik Skyrmion Durumlarının Belirlenmesi, 2022 - 2025
AFŞAR K. E., TOKER E. C., KÜÇÜKKIRALI Z., TEZEL B. T., ÖZYİĞİT M., YILDIRIM E., YÜKSEL Y., Project Supported by Higher Education Institutions, Covid-19 Pandemisi ve Sonrasında Ekonomi Politikalarının Etkileri: Etmen Tabanlı Modelleme Çalışması, 2021 - 2023
Yüksel Y., Aktürk O. Ü., Akıncı Ü., TUBITAK Project, Yoğunluk Fonksiyoneli Teorisi Ve Monte Carlo Yöntemi Ile İki Boyutlu Bazı Mbene Yapıların Manyetik Özelliklerinin İncelenmesi, 2019 - 2021
Yüksel Y., Vatansever E., Demir Vatansever Z., TUBITAK Project, Manyetik Nanoparçacıklarda Parçacık Büyüklüğü Ve Geometrisinin Manyetokalorik Ve Manyetik Hipertermi Özellikleri Üzerindeki Etkisi, 2019 - 2020
Akinci Ü., Aktürk E., Yüksel Y., Vatansever E., TUBITAK Project, İki Boyutlu MX3 (M=Fe, Ru, Rh, X=Cl, Br, I) Tabakaların Manyetik Özelliklerinin Yoğunluk Fonksiyoneli Teorisi ve Monte Carlo Yöntemleri Kullanarak Belirlenmesi, 2017 - 2020
YÜKSEL Y., AKINCI Ü., TUBITAK Project, Manyetik Nanoparçacıklar Ve İnce Filmlerde Değiş-Tokuş Anizotropisinin Ve Süperparamanyetizmanın Dinamik Manyetik Alanlar Varlığındaki Davranışının Teknolojik Ve Biyomedikal Uygulamalardaki Potansiyeli, 2016 - 2017
YÜKSEL Y., Project Supported by Higher Education Institutions, Saf ve Karma Spin Sistemlerinin Termal ve Manyetik Özelliklerinin Monte Carlo Simülasyon Tekniği Geliştirilmiş Etkin Alan Teorisi ve Genetik Algoritmaları ile Karşılaştırmalı Analizi, 2012 - 2013
YÜKSEL Y., Project Supported by Higher Education Institutions, Dokuz Eylül Üniversitesi Fizik Bölümü Lisans Laboratuarları Alt Yapı Projesi, 2010 - 2011

Peer Reviews in Scientific Publications

JOURNAL OF MAGNETISM AND MAGNETIC MATERIALS, SCI Journal, August 2024
PHASE TRANSITIONS, SCI Journal, September 2022
PHASE TRANSITIONS, SCI Journal, August 2022
PHASE TRANSITIONS, SCI Journal, June 2022
EUROPEAN PHYSICAL JOURNAL PLUS, SCI Journal, December 2021
PHASE TRANSITIONS, SCI Journal, November 2021
PHASE TRANSITIONS, SCI Journal, September 2021
PHASE TRANSITIONS, SCI Journal, August 2021
PHYSICA A: STATISTICAL MECHANICS AND ITS APPLICATIONS, SCI Journal, March 2017

Scientific Project Refereeing

TUBITAK Project, 2204-A High School Students Research Projects Competition , March 2022

Scientific Consultations

TÜBİTAK–2209-A ÜNİVERSİTE ÖĞRENCİLERİ ARAŞTIRMA PROJELERİ DESTEĞİ PROGRAMI, Project Consultancy, Dokuz Eylul University, Fen Fakültesi, Fizik Bölümü, Turkey, 2022 - Continues

Metrics

Publication: 72
Citation (WoS): 884
Citation (Scopus): 918

H-Index (WoS): 18
H-Index (Scopus): 18