

Prof. EROL VATANSEVER

Personal Information

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International Researcher IDs

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Publons / Web Of Science ResearcherID: P-2418-2019

ScopusID: 53880625200

Yoksis Researcher ID: 119695

Education Information

Doctorate, Dokuz Eylul University, Fen Bilimleri Enstitüsü, Fizik (Dr), Turkey 2011 - 2016

Postgraduate, Dokuz Eylul University, Fen Bilimleri Enstitüsü, Fizik (YI) (Tezli), Turkey 2008 - 2011

Undergraduate, Ege University, Faculty Of Science, Fizik Bölümü, Turkey 2006 - 2008

Dissertations

Doctorate, Effective-field theory and monte-carlo simulation of the ising model under a time dependent oscillating longitudinal field, Dokuz Eylul University, Fen Bilimleri Enstitüsü, Fizik (Dr), 2016

Postgraduate, Spin sistemlerinin denge yakınlarındaki kinetik davranışlarının incelenmesi, Dokuz Eylul University, Fen Bilimleri Enstitüsü, Fizik (YI) (Tezli), 2011

Research Areas

General Physics, Statistical physics, thermodynamic and nonlinear dynamic systems

Academic Titles / Tasks

Lecturer, Dokuz Eylul University, Fen Fakültesi, Fizik Bölümü, 2014 - Continues

Academic and Administrative Experience

Fakülte Kurulu Üyesi, Dokuz Eylul University, Fen Fakültesi, 2019 - Continues

Deputy Head of Department, Dokuz Eylul University, Fen Fakültesi, Fizik Bölümü, 2021 - 2021

Courses

Fizik I, Undergraduate, 2022 - 2023

Termal Fizik, Undergraduate, 2022 - 2023

Fizik I, Undergraduate, 2022 - 2023

Fizikte Matematiksel Yöntemler -I , Undergraduate, 2021 - 2022

Fizikte Matematiksel Yöntemler - II, Undergraduate, 2020 - 2021

Fizik - I, Undergraduate, 2020 - 2021

Fizik-I, Undergraduate, 2020 - 2021

Fizik-I, Undergraduate, 2020 - 2021

Fizik -II, Undergraduate, 2018 - 2019

Jury Memberships

PhD Thesis Monitoring Committee Member, PhD Thesis Monitoring Committee Member, Dokuz Eylül Üniversitesi, June, 2022

PhD Thesis Monitoring Committee Member, PhD Thesis Monitoring Committee Member, Dokuz Eylül Üniversitesi, June, 2022

PhD Thesis Monitoring Committee Member, PhD Thesis Monitoring Committee Member, Dokuz Eylül Üniversitesi, January, 2022

PhD Thesis Monitoring Committee Member, PhD Thesis Monitoring Committee Member, Dokuz Eylül Üniversitesi, January, 2022

Post Graduate, Post Graduate, Aydin Adnan Menderes Üniversitesi, January, 2022

PhD Thesis Monitoring Committee Member, PhD Thesis Monitoring Committee Member, Dokuz Eylül Üniversitesi, July, 2021

PhD Thesis Monitoring Committee Member, PhD Thesis Monitoring Committee Member, Dokuz Eylül Üniversitesi, June, 2021

Doctorate, Doctorate, İzmir Yüksek Teknoloji Enstitüsü, January, 2019

Published journal articles indexed by SCI, SSCI, and AHCI

I. Critical dynamical behavior of the Ising model

Liu Z., VATANSEVER E., Barkema G. T., Fytas N. G.

Physical Review E, vol.108, no.3, 2023 (SCI-Expanded)

II. Disorder effects on the metastability of classical Heisenberg ferromagnets

Naskar M., Acharyya M., VATANSEVER E., Fytas N. G.

Physical Review E, vol.108, no.1, 2023 (SCI-Expanded)

III. Strain effects on the electronic and magnetic properties of Cr₂TaC₂and Cr₂TaC₂O₂monolayers

Bilican F., Ozdemir Kart S., VATANSEVER E., Ersan F., DEMİR VATANSEVER Z.

Applied Physics Letters, vol.122, no.15, 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. Transient Behavior of Damage Spreading in the Two-Dimensional Blume–Capel Ferromagnet

Bhowal Acharyya A., Acharyya M., Vatansever E., G. Fytas N.

JOURNAL OF STATISTICAL PHYSICS, vol.190, pp.1-13, 2022 (SCI-Expanded)

VI. Monte Carlo study of the phase diagram of layered XY antiferromagnet

Acharyya M., Vatansever E.

PHYSICA A: STATISTICAL MECHANICS AND ITS APPLICATIONS, vol.605, pp.1-10, 2022 (SCI-Expanded)

VII. Universality in the two-dimensional dilute Baxter-Wu model

Vasilopoulos A., Fytas N. G., Vatansever E., Malakis A., Weigel M.

PHYSICAL REVIEW E, vol.105, no.5, 2022 (SCI-Expanded)

VIII. Dynamic phase transition in classical Ising models

- YÜKSEL Y., VATANSEVER E.
 JOURNAL OF PHYSICS D-APPLIED PHYSICS, vol.55, no.7, 2022 (SCI-Expanded)
- IX. Monte Carlo study of the two-dimensional kinetic Blume-Capel model in a quenched random crystal field
 Vasilopoulos A., DEMİR VATANSEVER Z., Vatansever E., Fytas N. G.
 PHYSICAL REVIEW E, vol.104, no.2, 2021 (SCI-Expanded)
- X. Tuning of electronic structure, magnetic phase, and transition temperature in two-dimensional Cr-based Janus MXenes
 Akgenc B., Vatansever E., Ersan F.
 PHYSICAL REVIEW MATERIALS, vol.5, no.8, 2021 (SCI-Expanded)
- XI. Metastable behavior of the spin-s Ising and Blume-Capel ferromagnets: A Monte Carlo study
 Naskar M., Acharyya M., VATANSEVER E., Fytas N. G.
 PHYSICAL REVIEW E, vol.104, no.1, 2021 (SCI-Expanded)
- XII. Nonequilibrium multiple transitions in the core-shell Ising nanoparticles driven by randomly varying magnetic fields
 VATANSEVER E., Acharyya M.
 JOURNAL OF MAGNETISM AND MAGNETIC MATERIALS, vol.527, 2021 (SCI-Expanded)
- XIII. Magnetocaloric properties of the spin-S ($S \geq 1$) Ising model driven by a time dependent oscillating magnetic field
 YÜKSEL Y., VATANSEVER E., AKINCI Ü.
 PHYSICS LETTERS A, vol.388, 2021 (SCI-Expanded)
- XIV. 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)
- XV. Ising universality in the two-dimensional Blume-Capel model with quenched random crystal field
 VATANSEVER E., DEMİR VATANSEVER Z., Theodorakis P. E., Fytas N. G.
 PHYSICAL REVIEW E, vol.102, no.6, 2020 (SCI-Expanded)
- XVI. Thermal properties of rung-disordered two-leg quantum spin ladders: Quantum Monte Carlo study
 Kanbur U., POLAT H., VATANSEVER E.
 PHYSICAL REVIEW E, vol.102, no.4, 2020 (SCI-Expanded)
- XVII. Above Room Temperature Ferromagnetism in Gd₂B₂ Monolayer with High Magnetic Anisotropy
 Gorkan T., VATANSEVER E., AKINCI Ü., Gokoglu G., AKTÜRK E., ÇIRACI S.
 JOURNAL OF PHYSICAL CHEMISTRY C, vol.124, no.23, pp.12816-12823, 2020 (SCI-Expanded)
- XVIII. 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)
- XIX. 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)
- XX. Dynamically order-disorder transition in the kinetic Ising model on a triangular lattice driven by a time dependent magnetic field
 VATANSEVER E.
 PHYSICA A-STATISTICAL MECHANICS AND ITS APPLICATIONS, vol.511, pp.232-239, 2018 (SCI-Expanded)
- XXI. Magnetocaloric properties of the spin-S ($S \geq 1$) 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)
- XXII. Dynamic phase transitions in the presence of quenched randomness
 VATANSEVER E., Fytas N. G.
 PHYSICAL REVIEW E, vol.97, no.6, 2018 (SCI-Expanded)

- XXIII. **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)
- XXIV. **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)
- XXV. **Dynamic phase transition of the Blume-Capel model in an oscillating magnetic field**
VATANSEVER E., Fytas N. G.
PHYSICAL REVIEW E, vol.97, no.1, 2018 (SCI-Expanded)
- XXVI. **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)
- XXVII. **Non equilibrium magnetocaloric properties of Ising model defined on regular 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)
- XXVIII. **Monte Carlo simulation of dynamic phase transitions and frequency dispersions of hysteresis curves in core/shell ferrimagnetic cubic nanoparticle**
VATANSEVER E.
PHYSICS LETTERS A, vol.381, no.18, pp.1535-1542, 2017 (SCI-Expanded)
- XXIX. **Dynamic phenomena in magnetic ternary alloys**
VATANSEVER E., YÜKSEL Y.
JOURNAL OF ALLOYS AND COMPOUNDS, vol.689, pp.446-450, 2016 (SCI-Expanded)
- XXX. **Nonequilibrium dynamics of a mixed spin-1/2 and spin-3/2 Ising ferrimagnetic system with a time dependent oscillating magnetic field source**
VATANSEVER E., POLAT H.
JOURNAL OF MAGNETISM AND MAGNETIC MATERIALS, vol.392, pp.42-49, 2015 (SCI-Expanded)
- XXXI. **Non-equilibrium phase transition properties of disordered binary ferromagnetic alloy**
VATANSEVER E., AKINCI Ü., POLAT H.
JOURNAL OF MAGNETISM AND MAGNETIC MATERIALS, vol.389, pp.40-47, 2015 (SCI-Expanded)
- XXXII. **Dynamic phase transitions in a ferromagnetic thin film system: A Monte Carlo simulation study**
VATANSEVER E., POLAT H.
THIN SOLID FILMS, vol.589, pp.778-782, 2015 (SCI-Expanded)
- XXXIII. **Magnetic response of a disordered binary ferromagnetic alloy to an oscillating magnetic field**
VATANSEVER E., POLAT H.
PHYSICS LETTERS A, vol.379, pp.1568-1575, 2015 (SCI-Expanded)
- XXXIV. **Non-equilibrium dynamics of a ferrimagnetic core-shell nanocubic particle**
VATANSEVER E., POLAT H.
PHYSICA A-STATISTICAL MECHANICS AND ITS APPLICATIONS, vol.394, pp.82-89, 2014 (SCI-Expanded)
- XXXV. **Time dependent magnetic field effects on the +/- J Ising model**
VATANSEVER E., AKINCI Ü., POLAT H.
JOURNAL OF MAGNETISM AND MAGNETIC MATERIALS, vol.344, pp.89-95, 2013 (SCI-Expanded)
- XXXVI. **Monte Carlo investigation of a spherical ferrimagnetic core-shell nanoparticle under a time dependent magnetic field**
VATANSEVER E., POLAT H.
JOURNAL OF MAGNETISM AND MAGNETIC MATERIALS, vol.343, pp.221-227, 2013 (SCI-Expanded)
- XXXVII. **Nonequilibrium dynamics of a spin-3/2 Blume-Capel model with quenched random crystal field**
VATANSEVER E., POLAT H.
JOURNAL OF MAGNETISM AND MAGNETIC MATERIALS, vol.332, pp.28-37, 2013 (SCI-Expanded)

- XXXVIII. **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)
- XXXIX. **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)
- XL. **Anomalies in the multicritical behavior of staggered magnetic and direct magnetic susceptibilities of iron group dihalides**
 GÜLPINAR G., VATANSEVER E.
 JOURNAL OF MAGNETISM AND MAGNETIC MATERIALS, vol.324, no.22, pp.3784-3790, 2012 (SCI-Expanded)
- XLI. **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)
- XLII. **Effective-field theory with the differential operator technique for a kinetic Blume-Capel model with random diluted single-ion anisotropy**
 GÜLPINAR G., VATANSEVER E., Agartioglu M.
 PHYSICA A-STATISTICAL MECHANICS AND ITS APPLICATIONS, vol.391, no.13, pp.3574-3584, 2012 (SCI-Expanded)
- XLIII. **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)
- XLIV. **Critical behavior of AC antiferromagnetic and ferromagnetic susceptibilities of a spin-1/2 metamagnetic Ising system**
 GÜLPINAR G., VATANSEVER E.
 JOURNAL OF MAGNETISM AND MAGNETIC MATERIALS, vol.324, no.6, pp.983-990, 2012 (SCI-Expanded)
- XLV. **Effects of the Quenched Random Crystal Field on the Dynamic Spin-1 Blume-Capel Model**
 GÜLPINAR G., VATANSEVER E.
 JOURNAL OF STATISTICAL PHYSICS, vol.146, no.4, pp.787-799, 2012 (SCI-Expanded)

Articles Published in Other Journals

- I. **Dynamic phase transition features of the cylindrical nanowire driven by a propagating magnetic field**
 VATANSEVER E.
 Academic Platform Journal of Engineering and Science, vol.6, no.2, pp.72-80, 2018 (Peer-Reviewed Journal)
- II. **Monte Carlo simulation of dynamic phase transition properties of core-shell magnetic nanoparticles with similar volumes**
 VATANSEVER E.
 TURKISH JOURNAL OF PHYSICS, vol.42, no.2, pp.210-222, 2018 (ESCI)

Refereed Congress / Symposium Publications in Proceedings

- 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., Ozaydin H. D., ÜZENGİ AKTÜRK O., AKINCI Ü., AKTÜRK E.
International Materials Science and Nanotechnology for Next Generation Conference (MSNG2019), Niğde, Turkey, 16 - 18 October 2019
- III. **Electronic and magnetic properties of monolayer a-RuCl₃ : 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 on Hysteresis Modeling and Micromagnetics, 19 - 22 May 2019
- VI. **Quantum Monte Carlo Simulation of Antiferromagnetic Binary Alloy System with Random Exchange Interactions**
VATANSEVER E.
Numerical Methods in Strongly Correlated Systems, Marburg, Germany, 19 - 23 February 2018
- VII. **Order-disorder dynamic phase transition in a magnetic system driven by a time dependent oscillating magnetic field**
VATANSEVER E.
Türk Fizik Derneği 33. Uluslararası Fizik Kongresi, Muğla, Turkey, 6 - 10 September 2017
- VIII. **Kuantum Spin Sistemleri için Yeni Geliştirilen Rastgele Seri Açılmı Yontemi**
VATANSEVER E.
6. Adım Fizik Günleri, Balıkesir, Turkey, 19 - 21 July 2017
- IX. **Time dependent magnetic field effects on the core/shell ferrimagnetic cubic nanoparticle**
VATANSEVER E.
24. İstatistiksel Fizik Günleri, Turkey, 29 June - 01 July 2017
- X. **Nonequilibrium phase transition properties and frequency dispersions of hysteresis curves of a cubic core/shell nanoparticle system: A Monte Carlo Simulation study**
VATANSEVER E.
42 nd Conference of the Middle-European Cooperation in Statistical Physics, Lyon, France, 08 February 2017 - 10 February 2017
- XI. **İkili alaşım küresel nanoparçacık sisteminin sonlu sıcaklık faz geçisi özellikleri: Monte Carlo Simülasyonu**
DEMİR VATANSEVER Z., VATANSEVER E.
22. Yoğun Madde Fiziği Ankara Toplantısı (YMF-22), Ankara, Turkey, 16 December 2016
- XII. **İkili alaşım sisteminin sonlu sıcaklık manyetik özellikleri: Kuantum Monte Carlo simülasyonu**
VATANSEVER E., KANBUR U.
22. Yoğun Madde Fiziği Ankara Toplantısı, Turkey, 16 December 2016
- XIII. **Nonequilibrium dynamics of a spin 1 2 and spin 3 2 Ising ferrimagnetic system**
VATANSEVER E.
21. Statistical Physics Days, Kayseri, Turkey, 19 - 21 June 2014
- XIV. **Do the dynamic phase transition properties of magnetic nanoparticles depend on their geometrical shapes**
VATANSEVER E.

20. Statistical Physics Days, Kayseri, Turkey, 27 - 29 June 2013
- XV. **Effects of the Bond Dilution on the Dynamic Phase Diagram of Kinetic Ising Model**
VATANSEVER E.
19.th Statistical Physics Days, İstanbul, Turkey, 28 - 30 June 2012
- XVI. **Critical Behavior of Magnetic Relaxation in a Metamagnetic Ising Model**
VATANSEVER E., GÜLPINAR G.
18.th Statistical Physics Days, İstanbul, Turkey, 30 June - 02 July 2011
- XVII. **Metamanyetik Ising Modelinin Kritik Manyetik Durulması**
GÜLPINAR G., VATANSEVER E.
17. Yoğun Madde Fiziği Ankara Toplantısı, Ankara, Turkey, 05 November 2010
- XVIII. **İki Farklı Tek İyon Anizotropisi İçeren Spin 1 ve Spin 2 Karışık Ising Modelinin Kritik Durulma Davranışı**
GÜLPINAR G., VATANSEVER E., Ağartıoğlu M.
17. Yoğun Madde Fiziği Ankara Toplantısı, Ankara, Turkey, 05 November 2010
- XIX. **Dynamics of Blume-Capel model with bimodal crystal field**
VATANSEVER E., GÜLPINAR G., Ağartıoğlu M.
Turkish Physical Society 27. International Physics Congress, İstanbul, Turkey, 14 - 17 September 2010
- XX. **Investigation of the Kinetic Blume Capel Model with Crystal Field Randomness under the Influence of an oscillating magnetic field**
GÜLPINAR G., VATANSEVER E.
17. Statistical Physics Days, İstanbul, Turkey, 1 - 03 July 2010
- XXI. **Effective Field Theory on Blume Capel Model with Crystal Field Dilutence under a Time Dependent Oscillating Longitudinal Field**
GÜLPINAR G., Ağartıoğlu M., VATANSEVER E.
17. Statistical Physics Days, İstanbul, Turkey, 1 - 03 July 2010
- XXII. **Relaxation Theory of a Mixed Spin 1 and Spin 2 Ising System with Different Anisotropies**
GÜLPINAR G., Ağartıoğlu M., VATANSEVER E.
18.th Statistical Physics Days, İstanbul, Turkey, 30 June - 02 July 2010
- XXIII. **The Effect of Randomness in the Crystal Field on the Kinetics of Spin 1 Blume Capel in the Dynamical d T phase plane**
GÜLPINAR G., Tuna Ö., VATANSEVER E.
18. th Statistical Physics Days, İstanbul, Turkey, 30 June - 02 July 2010

Supported Projects

Vatansever E., Ersan F., Akgenç B., TUBITAK Project, Saf ve合金 formdaki yeni nesil MXene ($M_2-xM'2xC$; M, M' = Sc, Ti, V, Cr, Mn) yapılarının elektronik ve manyetik özelliklerinin Yoğunluk Fonksiyoneli Teorisi ve Monte Carlo simülasyonu ile incelenmesi, 2020 - 2021

Yüksel Y., Vatansever E., Demir Vatansever Z., TUBITAK Project, Manyetik Nanoparçacıklarda Parçacık Büyüklüğü Ve Geometrisinin Manyetikalorik 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

Activities in Scientific Journals

FRONTIERS IN PHYSICS, Assistant Editor/Section Editor, 2021 - Continues

Scientific Refereeing

TÜBİTAK International Bilateral Joint Cooperation Program Project, 2535 TÜBİTAK-IRAN MSRT, Dokuz Eylül University, Turkey, October 2022

TÜBİTAK International Bilateral Joint Cooperation Program Project, Italian National Research Council, CNR Bilateral Joint Cooperation Program, Dokuz Eylül University, Turkey, October 2022

PHYSICAL REVIEW E - STATISTICAL, NONLINEAR, AND SOFT MATTER PHYSICS, Journal Indexed in SCI-E, July 2022

PHYSICAL REVIEW E - STATISTICAL, NONLINEAR, AND SOFT MATTER PHYSICS, Journal Indexed in SCI-E, June 2022

PHYSICAL REVIEW E - STATISTICAL, NONLINEAR, AND SOFT MATTER PHYSICS, Journal Indexed in SCI-E, January 2022

PHYSICAL REVIEW E - STATISTICAL, NONLINEAR, AND SOFT MATTER PHYSICS, Journal Indexed in SCI-E, December 2021

PHYSICAL REVIEW E - STATISTICAL, NONLINEAR, AND SOFT MATTER PHYSICS, Journal Indexed in SCI-E, December 2021

PHYSICAL REVIEW E - STATISTICAL, NONLINEAR, AND SOFT MATTER PHYSICS, Journal Indexed in SCI-E, October 2021

PHYSICAL REVIEW E - STATISTICAL, NONLINEAR, AND SOFT MATTER PHYSICS, Journal Indexed in SCI-E, August 2021

PHYSICAL REVIEW E - STATISTICAL, NONLINEAR, AND SOFT MATTER PHYSICS, Journal Indexed in SCI-E, July 2020

PHYSICAL REVIEW E - STATISTICAL, NONLINEAR, AND SOFT MATTER PHYSICS, Journal Indexed in SCI-E, May 2019

Metrics

Publication: 71

Citation (WoS): 665

Citation (Scopus): 634

H-Index (WoS): 16

H-Index (Scopus): 14

Congress and Symposium Activities

21st International NTZ-Workshop on New Developments in Computational Physics, Attendee, Leipzig, Germany, 2021

22nd International NTZ-Workshop on New Developments in Computational Physics, Attendee, Leipzig, Germany, 2021

22nd International NTZ-Workshop on New Developments in Computational Physics, Attendee, Leipzig, Germany, 2021

22nd International NTZ-Workshop on New Developments in Computational Physics, Attendee, Leipzig, Germany, 2021

International Webinar on Nanomagnetism, Invited Speaker, Kolkata, India, 2020

26th Statistical Physics Days, Attendee, İzmir, Turkey, 2019

25th Statistical Physics Days, Attendee, İzmir, Turkey, 2018

7. Adım Fizik Günleri, Attendee, Aydin, Turkey, 2018

FOR1807 Winter School 2018, Attendee, Magdeburg, Germany, 2018

18th International NTZ-Workshop on New Developments in Computational Physics, Attendee, Leipzig, Germany, 2017

33rd Turkish Physical Society-International Physics Congress, Attendee, Muğla, Turkey, 2017

6. ADIM Fizik Günleri, Attendee, Balıkesir, Turkey, 2017

24th Statistical Physics Days, Attendee, İzmir, Turkey, 2017

Meco 42: 42nd Conference of the Middle-European Cooperation in Statistical Physics, Attendee, Lyon, France, 2017

22. Yoğun Madde Fiziği Toplantısı, Attendee, Ankara, Turkey, 2016

22. Yoğun Madde Fiziği Toplantısı, Attendee, Ankara, Turkey, 2016

4. Genç Fizikçiler Kongresi, Attendee, İzmir, Turkey, 2016

21. İstatistiksel Fizik Günleri, Attendee, Kayseri, Turkey, 2014

20th Statistical Physics Days, Attendee, Kayseri, Turkey, 2013

19th İstanbul Statistical Physics Days, Attendee, İstanbul, Turkey, 2012

18th İstanbul Statistical Physics Days, Attendee, İstanbul, Turkey, 2011

18th İstanbul Statistical Physics Days, Attendee, İstanbul, Turkey, 2011

18th Statistical Physics Days, Attendee, İstanbul, Turkey, 2011

Mirror Conference of The Dallas Meeting of the American Physical Society, Attendee, İstanbul, Turkey, 2010
Mirror Conference of The Dallas Meeting of the American Physical Society, Attendee, İstanbul, Turkey, 2010
Turkish Physical Society 27th International Physics Conference, Attendee, İstanbul, Turkey, 2010
Turkish Physical Society 27th International Physics Conference, Attendee, İstanbul, Turkey, 2010
17. Yoğun Madde Fiziği Toplantısı, Attendee, Ankara, Turkey, 2010
17. Yoğun Madde Fiziği Toplantısı, Attendee, Ankara, Turkey, 2010
Condensed Matter Physics and Systems Biology, Audience, İstanbul, Turkey, 2010
Phase Transitions and Renormalization Group Theory, Audience, İstanbul, Turkey, 2010
17th Statistical Physics Days, Attendee, İstanbul, Turkey, 2010
17. İstatistiksel Fizik Günleri, Attendee, İstanbul, Turkey, 2010
Disorder Systems: Theory and Its Applications, Audience, İzmir, Turkey, 2009
Workshop on Advanced Statistical Mechanics for Condensed Matter Physicists, Audience, Muğla, Turkey, 2009
Workshop on Advanced Quantum Mechanics for Condensed Matter Physicists, Audience, Muğla, Turkey, 2009

Scholarships

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