

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 (Yl) (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 yakınlardaki kinetik davranışlarının incelenmesi, Dokuz Eylul University, Fen Bilimleri Enstitüsü, Fizik (Yl) (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

Vice Dean, Dokuz Eylul University, Fen Fakültesi, Fizik Bölümü, 2024 - Continues

Faculty Board Member, Dokuz Eylul University, Fen Fakültesi, Fizik Bölümü, 2022 - 2024

Faculty Board Member, Dokuz Eylul University, Fen Fakültesi, 2019 - 2022

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

Courses

Undergraduate

Physics II, Undergraduate, 2023 - 2024
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, Aydın 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. **Electronic, magnetic and universality properties of room-temperature antiferromagnet Fe2O3 monolayer**
DEMİR VATANSEVER Z., Abdullahi Y. Z., Ersan F., VATANSEVER E.
Journal of Physics and Chemistry of Solids, vol.192, 2024 (SCI-Expanded)
- II. **Dynamical critical behavior of the two-dimensional three-state Potts model**
VATANSEVER E., Barkema G. T., Fytas N. G.
Physical Review E, vol.110, no.1, 2024 (SCI-Expanded)
- III. **Adjustment of ferromagnetism and improvement of the electronic structure of the Ti13 monolayer by the substitutional doping of 3d transition metal atoms: Ab-initio investigation**
Salah N., Chibani H., Yahi H., Ouettar C., Ersan F., VATANSEVER E.
Journal of Magnetism and Magnetic Materials, vol.599, 2024 (SCI-Expanded)
- IV. **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)
- V. **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)
- VI. **Strain effects on the electronic and magnetic properties of Cr₂TaC₂ and Cr₂TaC₂O₂ monolayers**

- Bilican F., Ozdemir Kart S., VATANSEVER E., Ersan F., DEMİR VATANSEVER Z.
Applied Physics Letters, vol.122, no.15, 2023 (SCI-Expanded)
- VII. **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)
- VIII. **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)
- IX. **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)
- X. **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)
- XI. **Dynamic phase transition in classical Ising models**
YÜKSEL Y., VATANSEVER E.
JOURNAL OF PHYSICS D-APPLIED PHYSICS, vol.55, no.7, 2022 (SCI-Expanded)
- XII. **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)
- XIII. **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)
- XIV. **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)
- XV. **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)
- XVI. **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)
- XVII. **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)
- XVIII. **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)
- XIX. **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)
- XX. **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)
- XXI. **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)
- XXII. **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)
- XXIII. **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)
- XXIV. **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)
- XXV. **Dynamic phase transitions in the presence of quenched randomness**
VATANSEVER E., Fytas N. G.
PHYSICAL REVIEW E, vol.97, no.6, 2018 (SCI-Expanded)
- XXVI. **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)
- XXVII. **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)
- XXVIII. **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)
- XXIX. **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)
- XXX. **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)
- XXXI. **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)
- XXXII. **Dynamic phenomena in magnetic ternary alloys**
VATANSEVER E., YÜKSEL Y.
JOURNAL OF ALLOYS AND COMPOUNDS, vol.689, pp.446-450, 2016 (SCI-Expanded)
- XXXIII. **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)
- XXXIV. **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)
- XXXV. **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)
- XXXVI. **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)
- XXXVII. **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)
- XXXVIII. **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)
- XXXIX. **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)
- XL. **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)
- XLI. **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)
- XLII. **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)
- XLIII. **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)
- XLIV. **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)
- XLV. **Effective-field theory with the differential operator technique for a kinetic Blume-Capel model with random diluted single-ion anisotropy**
GÜLPINAR G., VATANSEVER E., Agartioğlu M.
PHYSICA A-STATISTICAL MECHANICS AND ITS APPLICATIONS, vol.391, no.13, pp.3574-3584, 2012 (SCI-Expanded)
- XLVI. **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)
- XLVII. **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)
- XLVIII. **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)

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 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 Açılımı Yöntemi**
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 1017

- XI. **İkili alařım küresel nanoparçacık sisteminin sonlu sıcaklık faz geçiő özellikleri: Monte Carlo Simülasyonu**
DEMİR VATANSEVER Z., VATANSEVER E.
22. Yoğun Madde Fiziđi Ankara Toplantısı (YMF-22), Ankara, Turkey, 16 December 2016
- XII. **İkili alařım sisteminin sonlu sıcaklık manyetik özellikleri: Kuantum Monte Carlo simulasyonu**
VATANSEVER E., KANBUR U.
22. Yoğun Madde Fiziđi 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 Fiziđi 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., Ağartıođlu M.
17. Yoğun Madde Fiziđi Ankara Toplantısı, Ankara, Turkey, 05 November 2010
- XIX. **Dynamics of Blume-Capel model with bimodal crystal field**
VATANSEVER E., GÜLPINAR G., Ağartıođlu 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., Ağartıođlu 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., Ağartıođlu 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., TÜBİTAK - AB COST Project, Magnetism and chirality: twisting spins, light, and lattices for faster-than-ever spintronics, 2024 - 2028

Vatansever E., TÜBİTAK - AB COST Project, Topological textures in condensed matter, 2024 - 2028

Vatansever E., Demir Vatansever Z., TUBITAK Project, Van Der Waals İstifleme Mühendisliği İle İki Tabakalı Yapıların Elektronik Ve Manyetik Özelliklerinin Kontrol Edilmesi, 2024 - 2027

Vatansever E., Ersan F., Akgeç B., TUBITAK Project, Saf ve alaşım 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 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

Activities in Scientific Journals

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

Peer Reviews in Scientific Publications

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

Scientific Project Refereeing

TÜBİTAK International Bilateral Joint Cooperation Program Project, 2535 TÜBİTAK-İRAN MSRT, October 2022

TÜBİTAK International Bilateral Joint Cooperation Program Project, Italian National Research Council, CNR Bilateral Joint Cooperation Program, October 2022

Metrics

Publication: 74

Citation (WoS): 910

Citation (Scopus): 926

H-Index (WoS): 17

H-Index (Scopus): 17

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. Adim Fizik Günleri, Attendee, Aydın, 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 Gunleri, 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 Istanbul Statistical Physics Days, Attendee, İstanbul, Turkey, 2012
18th Istanbul Statistical Physics Days, Attendee, İstanbul, Turkey, 2011
18th Statistical Physics Days, Attendee, İstanbul, Turkey, 2011
18th Istanbul 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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