Erol Vatansever

List of Publications by Year
in descending order

47 papers	748 citations	586496 16 h-index	685536 24 g-index
47 all docs	47 docs citations	47 times ranked	499 citing authors

#	Article	IF	Citations
1	Dynamic phase transition in classical Ising models. Journal Physics D: Applied Physics, 2022, 55, 073002.	1.3	7
2	Universality in the two-dimensional dilute Baxter-Wu model. Physical Review E, 2022, 105, .	0.8	5
3	Metamagnetic anomalies in the kinetic Blumeâ€“Capel model with arbitrary spin. Physica A: Statistical Mechanics and Its Applications, 2022, 603, 127867.	1.2	3
4	Magnetocaloric properties of the spin-S (Sâ€¯â‰¥â€¯1) Ising model driven by a time dependent oscillating magnetic field. Physics Letters, Section A: General, Atomic and Solid State Physics, 2021, 388, 127079.	0.9	9
5	Magnetocaloric properties of FM/AFM core/shell nanoparticles: a Monte Carlo simulation study. European Physical Journal B, 2021, 94, 1.	0.6	2
6	Nonequilibrium multiple transitions in the core-shell Ising nanoparticles driven by randomly varying magnetic fields. Journal of Magnetism and Magnetic Materials, 2021, 527, 167721.	1.0	5
7	Metastable behavior of the spin-<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mi>s</mml:mi></mml:math>Ising and Blume-Capel ferromagnets: A Monte Carlo study. Physical Review E, 2021, 104, 014107.	0.8	4
8	Monte Carlo study of the two-dimensional kinetic Blume-Capel model in a quenched random crystal field. Physical Review E, 2021, 104, 024108.	0.8	13
9	Thermal properties of rung-disordered two-leg quantum spin ladders: Quantum Monte Carlo study. Physical Review E, 2020, 102, 042104.	0.8	2
10	Above Room Temperature Ferromagnetism in Gd₂B₂ Monolayer with High Magnetic Anisotropy. Journal of Physical Chemistry C, 2020, 124, 12816-12823.	1.5	25
11	Ising universality in the two-dimensional Blume-Capel model with quenched random crystal field. Physical Review E, 2020, 102, 062138.	0.8	10
12	Strain effects on electronic and magnetic properties of the monolayer Î±-RuCl3: A first-principles and Monte Carlo study. Journal of Applied Physics, 2019, 125, .	1.1	32
13	Exploring the electronic and magnetic properties of new metal halides from bulk to two-dimensional monolayer: RuX3 (Xâ€¯=â€¯Br, I). Journal of Magnetism and Magnetic Materials, 2019, 476, 111-119.	1.0	48
14	Hysteresis features of the transition-metal dichalcogenides VX₂(X = S, Se, and Te). Materials Research Express, 2018, 5, 046108.	0.8	25
15	Dynamic phase transition of the Blume-Capel model in an oscillating magnetic field. Physical Review E, 2018, 97, 012122.	0.8	21
16	Influence of modified surface effects on the magnetocaloric properties of ferromagnetic thin films. Thin Solid Films, 2018, 646, 67-74.	0.8	16
17	Electronic and magnetic properties of monolayer Î±-RuCl₃: a first-principles and Monte Carlo study. Physical Chemistry Chemical Physics, 2018, 20, 997-1004.	1.3	57
18	Magnetocaloric properties of the spin-S (Sâ€¯â‰¥â€¯1) Ising model on a honeycomb lattice. Physics Letters, Section A: General, Atomic and Solid State Physics, 2018, 382, 3238-3243.	0.9	14

#	Article	IF	Citations
19	Dynamic phase transitions in the presence of quenched randomness. Physical Review E, 2018, 97, 062146.	0.8	13
20	Magnetic anisotropy and interface exchange coupling dependence of exchange bias in core/shell doubly inverted magnetic nanoparticles. Journal Physics D: Applied Physics, 2018, 51, 365301.	1.3	4
21	Dynamically orderâ€“disorder transition in the kinetic Ising model on a triangular lattice driven by a time dependent magnetic field. Physica A: Statistical Mechanics and Its Applications, 2018, 511, 232-239.	1.2	13
22	Tunning exchange bias in inverted antiferromagnetic/ferromagnetic core/shell nanoparticles by binary alloy shells. Physics Letters, Section A: General, Atomic and Solid State Physics, 2018, 382, 2901-2907.	0.9	2
23	Isotropic and anisotropic quantum Heisenberg models under bond randomness: An effective-field theory study. Physica A: Statistical Mechanics and Its Applications, 2018, 512, 818-823.	1.2	3
24	Finite temperature magnetic phase transition features of the quenched disordered binary alloy cylindrical nanowire. Journal of Alloys and Compounds, 2017, 701, 288-294.	2.8	7
25	Thermal and magnetic phase transition properties of a binary alloy spherical nanoparticle: A Monte Carlo simulation study. Journal of Magnetism and Magnetic Materials, 2017, 432, 239-244.	1.0	6
26	Non equilibrium magnetocaloric properties of Ising model defined on regular lattices with arbitrary coordination number. Physica A: Statistical Mechanics and Its Applications, 2017, 479, 563-571.	1.2	15
27	Monte Carlo simulation of dynamic phase transitions and frequency dispersions of hysteresis curves in core/shell ferrimagnetic cubic nanoparticle. Physics Letters, Section A: General, Atomic and Solid State Physics, 2017, 381, 1535-1542.	0.9	24
28	Nonmagnetic impurities and roughness effects on the finite temperature magnetic properties of coreâ€“shell spherical nanoparticles with antiferromagnetic interface coupling. Journal of Magnetism and Magnetic Materials, 2017, 441, 548-556.	1.0	11
29	Dynamic phenomena in magnetic ternary alloys. Journal of Alloys and Compounds, 2016, 689, 446-450.	2.8	17
30	Monte Carlo simulations of dynamic phase transitions in ferromagnetic thin-films. Physica A: Statistical Mechanics and Its Applications, 2016, 447, 379-385.	1.2	9
31	Nonequilibrium dynamics of a mixed spin-1/2 and spin-3/2 Ising ferrimagnetic system with a time dependent oscillating magnetic field source. Journal of Magnetism and Magnetic Materials, 2015, 392, 42-49.	1.0	20
32	Magnetic response of a disordered binary ferromagnetic alloy to an oscillating magnetic field. Physics Letters, Section A: General, Atomic and Solid State Physics, 2015, 379, 1568-1575.	0.9	11
33	Non-equilibrium phase transition properties of disordered binary ferromagnetic alloy. Journal of Magnetism and Magnetic Materials, 2015, 389, 40-47.	1.0	12
34	Dynamic phase transitions in a ferromagnetic thin film system: A Monte Carlo simulation study. Thin Solid Films, 2015, 589, 778-782.	0.8	16
35	Non-equilibrium dynamics of a ferrimagnetic coreâ€“shell nanocubic particle. Physica A: Statistical Mechanics and Its Applications, 2014, 394, 82-89.	1.2	18
36	Time dependent magnetic field effects on theÂ±J Ising model. Journal of Magnetism and Magnetic Materials, 2013, 344, 89-95.	1.0	8

#	ARTICLE	IF	CITATIONS
37	Nonequilibrium dynamics of a spin-3/2 Blume-Capel model with quenched random crystal field. Journal of Magnetism and Magnetic Materials, 2013, 332, 28-37.	1.0	14
38	Monte Carlo investigation of a spherical ferrimagnetic coreâ€“shell nanoparticle under a time dependent magnetic field. Journal of Magnetism and Magnetic Materials, 2013, 343, 221-227.	1.0	39
39	Investigation of oscillation frequency and disorder induced dynamic phase transitions in a quenched-bond diluted Ising ferromagnet. Journal of Magnetism and Magnetic Materials, 2013, 329, 14-23.	1.0	19
40	Nonequilibrium phase transitions and stationary-state solutions of a three-dimensional random-field Ising model under a time-dependent periodic external field. Physical Review E, 2012, 85, 051123.	0.8	33
41	Effective field investigation of dynamic phase transitions for site diluted Ising ferromagnets driven by a periodically oscillating magnetic field. Physica A: Statistical Mechanics and Its Applications, 2012, 391, 5810-5817.	1.2	29
42	Anomalies in the multicritical behavior of staggered magnetic and direct magnetic susceptibilities of iron group dihalides. Journal of Magnetism and Magnetic Materials, 2012, 324, 3784-3790.	1.0	7
43	Dynamic phase transition properties and hysteretic behavior of a ferrimagnetic coreâ€“shell nanoparticle in the presence of a time dependent magnetic field. Journal of Physics Condensed Matter, 2012, 24, 436004.	0.7	48
44	Stationary State Solutions of a Bond Diluted Kinetic Ising Model: An Effective-Field Theory Analysis. Journal of Statistical Physics, 2012, 147, 1068-1076.	0.5	14
45	Effects of the Quenched Random Crystal Field on the Dynamic Spin-1 Blume-Capel Model. Journal of Statistical Physics, 2012, 146, 787-799.	0.5	11
46	Effective-field theory with the differential operator technique for a kinetic Blumeâ€“Capel model with random diluted single-ion anisotropy. Physica A: Statistical Mechanics and Its Applications, 2012, 391, 3574-3584.	1.2	18
47	Critical behavior of AC antiferromagnetic and ferromagnetic susceptibilities of a <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" altimg="si0036.gif" overflow="scroll"><mml:mi>spin</mml:mi><mml:mi mathvariant="normal">-</mml:mi><mml:mfrac><mml:mrow><mml:mn>1</mml:mn></mml:mrow><mml:mrow><mml:mn>2</mml:mn metamagnetic Ising system. Journal of Magnetism and Magnetic Materials, 2012, 324, 983-990.	1.0	9