Yusuf Yuksel

List of Publications by Year
in descending order

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52 papers	906 citations	430874 18 h-index	501196 28 g-index
52 all docs	52 docs citations	52 times ranked	446 citing authors

#	Article	IF	Citations
1	Thermal and magnetic properties of a ferrimagnetic nanoparticle with spin-3/2 core and spin-1 shell structure. Journal of Magnetism and Magnetic Materials, 2011, 323, 3168-3175.	2.3	98
2	Electronic and magnetic properties of monolayer Î±-RuCl₃: a first-principles and Monte Carlo study. Physical Chemistry Chemical Physics, 2018, 20, 997-1004.	2.8	57
3	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.	1.8	48
4	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.	2.3	48
5	Investigation of bond dilution effects on the magnetic properties of a cylindrical Ising nanowire. Physica Status Solidi (B): Basic Research, 2013, 250, 196-206.	1.5	35
6	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.	2.1	33
7	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, .	2.5	32
8	A comparative study of critical phenomena and magnetocaloric properties of ferromagnetic ternary alloys. Journal of Physics and Chemistry of Solids, 2018, 112, 143-152.	4.0	30
9	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.	2.6	29
10	Critical behavior and phase diagrams of a spin-1 Blumeâ€“Capel model with random crystal field interactions: An effective field theory analysis. Physica A: Statistical Mechanics and Its Applications, 2012, 391, 2819-2832.	2.6	29
11	A new single-layer structure of MBene family: Ti₂B. Journal of Physics Condensed Matter, 2019, 31, 505401.	1.8	27
12	Effective-field-theory analysis of the three-dimensional random-field Ising model on isometric lattices. Physical Review E, 2011, 83, 061103.	2.1	24
13	An introduced effective-field approximation and Monte Carlo study of a spin-1 Blumeâ€“Capel model on a square lattice. Physica Scripta, 2009, 79, 045009.	2.5	22
14	An introduced effective-field theory study of spin-1 transverse Ising model with crystal field anisotropy in a longitudinal magnetic field. Journal of Magnetism and Magnetic Materials, 2010, 322, 3907-3916.	2.3	21
15	Investigation of critical phenomena and magnetism in amorphous Ising nanowire in the presence of transverse fields. Physica A: Statistical Mechanics and Its Applications, 2013, 392, 2347-2358.	2.6	20
16	Monte Carlo study of magnetization dynamics in uniaxial ferromagnetic nanowires in the presence of oscillating and biased magnetic fields. Physical Review E, 2015, 91, 032149.	2.1	20
17	Monte Carlo simulations of dynamic phase transitions in ultrathin Blumeâ€“Capel films. Physics Letters, Section A: General, Atomic and Solid State Physics, 2013, 377, 2494-2504.	2.1	19
18	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.	2.3	19

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19	Monte Carlo simulation of Prussian blue analogs described by Heisenberg ternary alloy model. Journal of Physics and Chemistry of Solids, 2015, 86, 207-214.	4.0	17
20	Dynamic phenomena in magnetic ternary alloys. Journal of Alloys and Compounds, 2016, 689, 446-450.	5.5	17
21	Effects of the particle size and shape of the magnetic nanoparticles on the magnetic hyperthermia and exchange bias propertiesâ˜†. Physica B: Condensed Matter, 2019, 575, 411689.	2.7	17
22	Influence of modified surface effects on the magnetocaloric properties of ferromagnetic thin films. Thin Solid Films, 2018, 646, 67-74.	1.8	16
23	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.	2.6	15
24	Stationary State Solutions of a Bond Diluted Kinetic Ising Model: An Effective-Field Theory Analysis. Journal of Statistical Physics, 2012, 147, 1068-1076.	1.2	14
25	Dynamic phase transition phenomena and magnetization reversal process in uniaxial ferromagnetic nanowires. Journal of Magnetism and Magnetic Materials, 2015, 389, 34-39.	2.3	14
26	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.	2.1	14
27	Universality aspects of layering transitions in ferromagnetic Blumeâ€“Capel thin films. Physica B: Condensed Matter, 2014, 433, 96-101.	2.7	13
28	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. Physica B: Condensed Matter, 2015, 462, 54-58.	2.7	13
29	Dependence on dilution of critical and compensation temperatures of a two-dimensional mixed spin-1/2 and spin-1 system. Journal of Magnetism and Magnetic Materials, 2009, 321, 3193-3197.	2.3	12
30	Effects of the bond dilution on the phase diagrams of a spin-1 transverse Ising model with crystal field interaction on a honeycomb lattice. Physica A: Statistical Mechanics and Its Applications, 2011, 390, 541-552.	2.6	11
31	An effective field theory study of layering transitions in Blumeâ€“Capel thin films in the presence of quenched random crystal fields. Physica A: Statistical Mechanics and Its Applications, 2014, 396, 9-18.	2.6	11
32	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.	2.3	11
33	Columnar antiferromagnetic order of a MBene monolayer. Physical Review B, 2021, 103, .	3.2	10
34	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. Journal of Physics Condensed Matter, 2016, 28, 486003.	1.8	9
35	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.	2.1	9
36	Monte Carlo simulation of equilibrium and dynamic phase transition properties of an Ising bilayer. European Physical Journal B, 2018, 91, 1.	1.5	8

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37	Dynamic phase transition and universality in a quasi 2D system: Bilayer Ising/Blume-Capel ferromagnet on a honeycomb lattice. Journal of Magnetism and Magnetic Materials, 2020, 513, 167249.	2.3	8
38	Random field effects on the phase diagrams of spin-1/2 Ising model on a honeycomb lattice. Physica A: Statistical Mechanics and Its Applications, 2012, 391, 415-422.	2.6	7
39	Shell thickness and dynamic magnetic field effects on the critical phenomena of magnetic core-shell nanoparticles with spherical geometry. Physica B: Condensed Matter, 2017, 508, 62-68.	2.7	7
40	Dynamic phase transition in classical Ising models. Journal Physics D: Applied Physics, 2022, 55, 073002.	2.8	7
41	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. Physics Letters, Section A: General, Atomic and Solid State Physics, 2018, 382, 1298-1304.	2.1	5
42	Magnetization of silicene via coverage with gadolinium: Effects of thickness, symmetry, strain, and coverage. Physical Review B, 2021, 104, .	3.2	5
43	Order parameters and hysteresis behavior of a ferromagnetic Blumeâ€“Capel thin film: The role of the crystal field interactions. Physica B: Condensed Matter, 2014, 436, 1-9.	2.7	4
44	Critical behavior and universality properties of uniaxial ferromagnetic thin films in the presence of random magnetic fields. Journal of Magnetism and Magnetic Materials, 2015, 385, 47-54.	2.3	4
45	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.	2.8	4
46	Dynamic phase transition properties and metamagnetic anomalies of kinetic Ising model in the presence of additive white noise. Physica A: Statistical Mechanics and Its Applications, 2021, 580, 126172.	2.6	3
47	Metamagnetic anomalies in the kinetic Blumeâ€“Capel model with arbitrary spin. Physica A: Statistical Mechanics and Its Applications, 2022, 603, 127867.	2.6	3
48	Monte Carlo simulation of exchange bias in spin valve systems. Physica B: Condensed Matter, 2018, 549, 24-30.	2.7	2
49	A simulation approach for the finite-temperature magnetic properties, stochastic dynamics and heating properties of magnetic nanoparticles composed of FM core/AFM shell. International Journal of Modern Physics B, 2019, 33, 1950269.	2.0	2
50	Magnetocaloric properties of FM/AFM core/shell nanoparticles: a Monte Carlo simulation study. European Physical Journal B, 2021, 94, 1.	1.5	2
51	Formation and annihilation of magnetic skyrmions on a square lattice Heisenberg Ferromagnet: the role played by the pure and random anisotropy configurations. Philosophical Magazine, 0, , 1-19.	1.6	1
52	Multiple hysteresis behaviors in spin models: Effect of anisotropy in the exchange interaction. Physica B: Condensed Matter, 2018, 549, 1-5.	2.7	0