Mehmet ErtaÅ

List of Publications by Year
in descending order

62 papers	1,310 citations	279798 23 h-index	395702 33 g-index
62 all docs	62 docs citations	62 times ranked	125 citing authors

#	Article	IF	Citations
1	Dynamic magnetic properties of the spin-7/2 Ising nanowire systems with coreâ€“shell structure. European Physical Journal Plus, 2022, 137, 1.	2.6	6
2	The hysteretic features of ternary spins (1/2, 1, 3/2) idealized Ising nanoparticles on the coreâ€“multishell structure. European Physical Journal Plus, 2022, 137, .	2.6	4
3	Dynamic magnetic properties in 2-dimensional kinetic spin-7/2 Ising system. Physics Letters, Section A: General, Atomic and Solid State Physics, 2021, 389, 127086.	2.1	7
4	Dynamic magnetic features of a mixed ferro-ferrimagnetic ternary alloy in the form of ABpC1â^'p. European Physical Journal Plus, 2021, 136, 1.	2.6	8
5	Dynamic magnetic properties of a mixed ferro-ferrimagnetic ternary alloy in the form of AB<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline" id="d1e861" altimg="si7.svg"><mml:msub><mml:mrow /><mml:mrow><mml:mi>p</mml:mi></mml:mrow></mml:msub></mml:math>C<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline" id="d1e870" altimg="si8.svg"><mml:msub><mml:mrow /><mml:mrow><mml:mn>1</mml:mn><mml:mo>â^'</mml:mo>	2.6	6
6	Dynamic magnetic hysteresis loop behaviors of a mixed spin (2, 5/2) Ising model on two interpenetrating square lattices. Physica Scripta, 2020, 95, 055805.	2.5	12
7	Dynamic magnetic properties of a hexagonal Ising nanowire system with higher-spin. Phase Transitions, 2020, 93, 361-375.	1.3	12
8	Dynamic Phenomena in Mixed Spin-1 and Spin-1/2 Ising Bilayer System: Effective-Field Theory Based on Glauber Type Stochastic Dynamics. Journal of Superconductivity and Novel Magnetism, 2019, 32, 3853-3863.	1.8	14
9	Dynamic magnetic properties the spin-1 Ising model with bilinear and biquadratic interactions within the path probability method. Physica A: Statistical Mechanics and Its Applications, 2019, 526, 120933.	2.6	12
10	Dynamic hysteresis loops of the spin-2 bilayer Ising model. Chinese Journal of Physics, 2018, 56, 807-818.	3.9	9
11	Frequency-dependent dynamic magnetic properties of the Ising bilayer system consisting of spin-3/2 and spin-5/2 spins. Physica A: Statistical Mechanics and Its Applications, 2018, 496, 79-89.	2.6	31
12	Dynamic hysteresis behaviors in the kinetic Ising system on triangular lattice. Phase Transitions, 2018, 91, 370-381.	1.3	2
13	Dynamic magnetic properties of mixed half-integer (Ïƒ = 3/2) and half-integer (S = 5/2) spins: Dynamic effectice-field theory. Computational Condensed Matter, 2018, 14, 1-7.	2.1	16
14	Dynamical thermal dependences of the total magnetization and dynamic magnetic hysteresis properties of Ising bilayer system with square lattice. Physica B: Condensed Matter, 2018, 550, 154-162.	2.7	10
15	Dynamic magnetic and hysteretic properties of the different type core/shell nanostructures: the effect of geometry of wire shape. Philosophical Magazine, 2018, 98, 2734-2748.	1.6	4
16	Dynamic magnetic hysteresis properties of two-dimensional ferrimagnetic structures containing high-spin (S= 5/2) and low-spin (S= 1/2). Phase Transitions, 2017, 90, 863-872.	1.3	11
17	Effect of the Hamiltonian parameters on the hysteresis properties of the kinetic mixed spin (1/2, 1) Ising ferrimagnetic model on a hexagonal lattice. Physica B: Condensed Matter, 2017, 513, 40-47.	2.7	21
18	Dynamic Magnetic Hysteresis Behaviors in a Mixed Spin (3/2, 2) Bilayer System with Different Crystal-Field Interactions. Journal of Superconductivity and Novel Magnetism, 2017, 30, 3439-3449.	1.8	17

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19	Dynamic Properties of Kinetic Spin-3/2 Ising Ferromagnetic Model in the Presence of the Crystal and External Oscillating Magnetic Fields. Journal of Superconductivity and Novel Magnetism, 2017, 30, 1839-1847.	1.8	5
20	Hysteresis and Compensation Behaviors of Mixed Spin-1 and Spin-2 Hexagonal Ising Nanowire System. Journal of Superconductivity and Novel Magnetism, 2016, 29, 1805-1812.	1.8	18
21	Frequency-Dependent Dynamic Phase Diagrams in Ising System with Fe4N Structure. Journal of Superconductivity and Novel Magnetism, 2016, 29, 2319-2326.	1.8	8
22	Effect of the Hamiltonian parameters on Blume-Capel Ising ferromagnet system with single-ion anisotropy. Superlattices and Microstructures, 2016, 98, 259-266.	3.1	10
23	Dynamic Magnetic Hysteresis Properties in a Two-Dimensional Mixed Ising System Designed with Integer and Half-Integer Spins. Journal of Superconductivity and Novel Magnetism, 2016, 29, 2835-2841.	1.8	18
24	Mixed Ising system designed with integer and half-integer spins: dynamic behaviors under oscillating magnetic field. Phase Transitions, 2016, 89, 608-621.	1.3	3
25	Kinetic Transverse Ising Nanowire System in the Presence of a Time-Varying Magnetic Field. Journal of Superconductivity and Novel Magnetism, 2016, 29, 781-788.	1.8	11
26	Dynamic magnetic properties in the kinetic Ising ferromagnet on triangular lattice within the effective-field theory and using Glauber-type stochastic dynamics. Physica A: Statistical Mechanics and Its Applications, 2016, 444, 732-743.	2.6	14
27	The dynamic magnetic behaviors of the Blumeâ€“Capel Ising bilayer system. Modern Physics Letters B, 2015, 29, 1550236.	1.9	6
28	Dynamic phase transition properties for the mixed spin-(1/2, 1) Ising model in an oscillating magnetic field. Physica B: Condensed Matter, 2015, 470-471, 76-81.	2.7	32
29	Hexagonal Type Ising Nanowire with Spin-1 Core and Spin-2 Shell Structure. Communications in Theoretical Physics, 2015, 64, 401-408.	2.5	10
30	Dynamic phase diagrams of a ferrimagnetic mixed spin (1/2, 1) Ising system within the path probability method. Physica A: Statistical Mechanics and Its Applications, 2015, 437, 430-436.	2.6	19
31	Dynamic hysteresis behaviors for the two-dimensional mixed spin (2, 5/2) ferrimagnetic Ising model in an oscillating magnetic field. Superlattices and Microstructures, 2015, 85, 734-742.	3.1	27
32	Cylindrical Ising nanowire with crystal field: existence of a dynamic compensation temperatures. Phase Transitions, 2015, 88, 567-581.	1.3	50
33	Dynamic hysteresis features in a two-dimensional mixed Ising system. Physics Letters, Section A: General, Atomic and Solid State Physics, 2015, 379, 1576-1583.	2.1	35
34	Dynamic phase transitions and dynamic phase diagrams of the Blumeâ€“Emeryâ€“Griffiths model in an oscillating field: the effective-field theory based on the Glauber-type stochastic dynamics. Phase Transitions, 2015, 88, 634-647.	1.3	6
35	Magnetic properties of a spin-1 triangular Ising system. Journal of Magnetism and Magnetic Materials, 2015, 386, 1-7.	2.3	9
36	Influence of Frequency on the Kinetic Spin-3/2 Cylindrical Ising Nanowire System in an Oscillating Field. Journal of Superconductivity and Novel Magnetism, 2015, 28, 2529-2538.	1.8	38

#	Article	IF	Citations
37	Dynamic phase transitions of the Blumeâ€“Emeryâ€“Griffiths model under an oscillating external magnetic field by the path probability method. Journal of Magnetism and Magnetic Materials, 2015, 377, 386-394.	2.3	12
38	Thermodynamic quantities and phase diagrams of spin-1 Blumeâ€“Capel bilayer Ising model. International Journal of Modern Physics B, 2015, 29, 1550141.	2.0	7
39	The Kinetic Spin-1 Ising System on Triangular Lattice: the Effects of Crystal Field and Frequency of Oscillating External Magnetic Field. Journal of Superconductivity and Novel Magnetism, 2015, 28, 3037-3044.	1.8	3
40	Dynamic phase diagrams of the Blumeâ€“Capel model in an oscillating field by the path probability method. Physica A: Statistical Mechanics and Its Applications, 2014, 411, 42-52.	2.6	13
41	The dynamic phase transition in the spin-1/2 Ising system within the path probability method. Phase Transitions, 2014, 87, 376-386.	1.3	10
42	Magnetic hysteresis and compensation behaviors in spin-1 bilayer Ising model. Solid State Communications, 2014, 188, 71-76.	1.9	48
43	Dynamic phase diagrams of a cylindrical Ising nanowire in the presence of a time dependent magnetic field. Journal of Magnetism and Magnetic Materials, 2014, 361, 61-67.	2.3	49
44	Cylindrical Ising nanowire in an oscillating magnetic field and dynamic compensation temperature. Superlattices and Microstructures, 2014, 75, 831-842.	3.1	46
45	Dynamic behaviors of the hexagonal Ising nanowire. Physics Letters, Section A: General, Atomic and Solid State Physics, 2014, 378, 845-850.	2.1	50
46	Dynamic behaviors of spin-1/2 bilayer system within Glauber-type stochastic dynamics based on the effective-field theory. Journal of Magnetism and Magnetic Materials, 2014, 358-359, 56-64.	2.3	21
47	Effective-field theory for dynamic phase diagrams of the kinetic spin-3/2 Blumeâ€“Capel model under a time oscillating longitudinal field. Journal of Magnetism and Magnetic Materials, 2013, 348, 113-119.	2.3	31
48	Dynamic magnetic behavior of the mixed spin (2, 5/2) Ising system with antiferromagnetic/antiferromagnetic interactions on a bilayer square lattice. Chinese Physics B, 2013, 22, 120507.	1.4	34
49	Dynamic magnetizations and dynamic phase transitions in a transverse cylindrical Ising nanowire. Physica Scripta, 2012, 85, 055001.	2.5	44
50	Nonequilibrium magnetic properties in a two-dimensional kinetic mixed Ising system within the effective-field theory and Glauber-type stochastic dynamics approach. Physical Review E, 2012, 86, 051110.	2.1	51
51	Dynamic magnetic behavior of the mixed-spin bilayer system in an oscillating field within the mean-field theory. Physics Letters, Section A: General, Atomic and Solid State Physics, 2012, 376, 2455-2466.	2.1	35
52	Multicritical Dynamic Phase Diagrams and Dynamic Hysteresis Loops in a Mixed Spin-2 and Spin-5/2 Ising Ferrimagnetic System with Repulsive Biquadratic Coupling: Glauber Dynamic Approach. Journal of Statistical Physics, 2012, 146, 1244-1262.	1.2	39
53	Dynamic magnetic properties in the kinetic mixed spin-2 and spin-5/2 Ising model under a time-dependent magnetic field. Physica A: Statistical Mechanics and Its Applications, 2012, 391, 1038-1047.	2.6	51
54	Dynamic phase transitions and dynamic phase diagrams of the spin-2 Blumeâ€“Capel model under an oscillating magnetic field within the effective-field theory. Journal of Magnetism and Magnetic Materials, 2012, 324, 704-710.	2.3	27

#	Article	IF	Citations
55	Dynamic phase transitions and dynamic phase diagrams in the kinetic spin-5/2 Blumeâ€“Capel model in an oscillating external magnetic field: Effective-field theory and the Glauber-type stochastic dynamics approach. Journal of Magnetism and Magnetic Materials, 2012, 324, 1503-1511.	2.3	31
56	Mixed-Spin Ising Model in an Oscillating Magnetic Field and Compensation Temperature. Journal of Statistical Physics, 2010, 139, 333-344.	1.2	40
57	The effective-field theory studies of critical phenomena in a mixed spin-1 and spin-2 Ising model on honeycomb and square lattices. Physica A: Statistical Mechanics and Its Applications, 2010, 389, 2036-2047.	2.6	37
58	Dynamic Phase Transitions In The Spin-2 Ising System Under An Oscillating Magnetic Field Within The Effective-Field Theory. , 2010, , .		1
59	Dynamic phase transition in the kinetic spin-5/2 Blumeâ€“Emeryâ€“Griffiths model in an oscillating external magnetic field. Phase Transitions, 2010, 83, 349-367.	1.3	9
60	Existence of a dynamic compensation temperature of a mixed spin-2 and spin-5/2 Ising ferrimagnetic system in an oscillating field. Physical Review E, 2009, 80, 061140.	2.1	50
61	Dynamic phase transitions and dynamic phase diagrams in the kinetic mixed spin-1 and spin-2 Ising system in an oscillating magnetic field. Physica Scripta, 2009, 79, 025501.	2.5	35
62	Dynamic phase transition in the kinetic spin-2 Blumeâ€“Emeryâ€“Griffiths model in an oscillating field. Journal of Magnetism and Magnetic Materials, 2008, 320, 1765-1774.	2.3	15