

# Mehmet ErtaÅ

## List of Publications by Year in descending order

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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	Nonequilibrium magnetic properties in a two-dimensional kinetic mixed Ising system within the effective-field theory and Glauber-type stochastic dynamics approach. <i>Physical Review E</i> , 2012, 86, 051110.	2.1	51
2	Dynamic magnetic properties in the kinetic mixed spin-2 and spin-5/2 Ising model under a time-dependent magnetic field. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2012, 391, 1038-1047.	2.6	51
3	Existence of a dynamic compensation temperature of a mixed spin-2 and spin-5/2 Ising ferrimagnetic system in an oscillating field. <i>Physical Review E</i> , 2009, 80, 061140.	2.1	50
4	Dynamic behaviors of the hexagonal Ising nanowire. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2014, 378, 845-850.	2.1	50
5	Cylindrical Ising nanowire with crystal field: existence of a dynamic compensation temperatures. <i>Phase Transitions</i> , 2015, 88, 567-581.	1.3	50
6	Dynamic phase diagrams of a cylindrical Ising nanowire in the presence of a time dependent magnetic field. <i>Journal of Magnetism and Magnetic Materials</i> , 2014, 361, 61-67.	2.3	49
7	Magnetic hysteresis and compensation behaviors in spin-1 bilayer Ising model. <i>Solid State Communications</i> , 2014, 188, 71-76.	1.9	48
8	Cylindrical Ising nanowire in an oscillating magnetic field and dynamic compensation temperature. <i>Superlattices and Microstructures</i> , 2014, 75, 831-842.	3.1	46
9	Dynamic magnetizations and dynamic phase transitions in a transverse cylindrical Ising nanowire. <i>Physica Scripta</i> , 2012, 85, 055001.	2.5	44
10	Mixed-Spin Ising Model in an Oscillating Magnetic Field and Compensation Temperature. <i>Journal of Statistical Physics</i> , 2010, 139, 333-344.	1.2	40
11	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. <i>Journal of Statistical Physics</i> , 2012, 146, 1244-1262.	1.2	39
12	Influence of Frequency on the Kinetic Spin-3/2 Cylindrical Ising Nanowire System in an Oscillating Field. <i>Journal of Superconductivity and Novel Magnetism</i> , 2015, 28, 2529-2538.	1.8	38
13	The effective-field theory studies of critical phenomena in a mixed spin-1 and spin-2 Ising model on honeycomb and square lattices. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2010, 389, 2036-2047.	2.6	37
14	Dynamic phase transitions and dynamic phase diagrams in the kinetic mixed spin-1 and spin-2 Ising system in an oscillating magnetic field. <i>Physica Scripta</i> , 2009, 79, 025501.	2.5	35
15	Dynamic magnetic behavior of the mixed-spin bilayer system in an oscillating field within the mean-field theory. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2012, 376, 2455-2466.	2.1	35
16	Dynamic hysteresis features in a two-dimensional mixed Ising system. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2015, 379, 1576-1583.	2.1	35
17	Dynamic magnetic behavior of the mixed spin (2, 5/2) Ising system with antiferromagnetic/antiferromagnetic interactions on a bilayer square lattice. <i>Chinese Physics B</i> , 2013, 22, 120507.	1.4	34
18	Dynamic phase transition properties for the mixed spin-(1/2, 1) Ising model in an oscillating magnetic field. <i>Physica B: Condensed Matter</i> , 2015, 470-471, 76-81.	2.7	32

#	ARTICLE	IF	CITATIONS
19	Dynamic phase transitions and dynamic phase diagrams in the kinetic spin-5/2 Blume-Emery-Griffiths model in an oscillating external magnetic field: Effective-field theory and the Glauber-type stochastic dynamics approach. <i>Journal of Magnetism and Magnetic Materials</i> , 2012, 324, 1503-1511.	2.3	31
20	Effective-field theory for dynamic phase diagrams of the kinetic spin-3/2 Blume-Emery-Griffiths model under a time oscillating longitudinal field. <i>Journal of Magnetism and Magnetic Materials</i> , 2013, 348, 113-119.	2.3	31
21	Frequency-dependent dynamic magnetic properties of the Ising bilayer system consisting of spin-3/2 and spin-5/2 spins. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2018, 496, 79-89.	2.6	31
22	Dynamic phase transitions and dynamic phase diagrams of the spin-2 Blume-Emery-Griffiths model under an oscillating magnetic field within the effective-field theory. <i>Journal of Magnetism and Magnetic Materials</i> , 2012, 324, 704-710.	2.3	27
23	Dynamic hysteresis behaviors for the two-dimensional mixed spin (2, 5/2) ferrimagnetic Ising model in an oscillating magnetic field. <i>Superlattices and Microstructures</i> , 2015, 85, 734-742.	3.1	27
24	Dynamic behaviors of spin-1/2 bilayer system within Glauber-type stochastic dynamics based on the effective-field theory. <i>Journal of Magnetism and Magnetic Materials</i> , 2014, 358-359, 56-64.	2.3	21
25	Effect of the Hamiltonian parameters on the hysteresis properties of the kinetic mixed spin (1/2, 1) Ising ferrimagnetic model on a hexagonal lattice. <i>Physica B: Condensed Matter</i> , 2017, 513, 40-47.	2.7	21
26	Dynamic phase diagrams of a ferrimagnetic mixed spin (1/2, 1) Ising system within the path probability method. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2015, 437, 430-436.	2.6	19
27	Hysteresis and Compensation Behaviors of Mixed Spin-1 and Spin-2 Hexagonal Ising Nanowire System. <i>Journal of Superconductivity and Novel Magnetism</i> , 2016, 29, 1805-1812.	1.8	18
28	Dynamic Magnetic Hysteresis Properties in a Two-Dimensional Mixed Ising System Designed with Integer and Half-Integer Spins. <i>Journal of Superconductivity and Novel Magnetism</i> , 2016, 29, 2835-2841.	1.8	18
29	Dynamic Magnetic Hysteresis Behaviors in a Mixed Spin (3/2, 2) Bilayer System with Different Crystal-Field Interactions. <i>Journal of Superconductivity and Novel Magnetism</i> , 2017, 30, 3439-3449.	1.8	17
30	Dynamic magnetic properties of mixed half-integer ( $J_f = 3/2$ ) and half-integer ( $S = 5/2$ ) spins: Dynamic effective-field theory. <i>Computational Condensed Matter</i> , 2018, 14, 1-7.	2.1	16
31	Dynamic phase transition in the kinetic spin-2 Blume-Emery-Griffiths model in an oscillating field. <i>Journal of Magnetism and Magnetic Materials</i> , 2008, 320, 1765-1774.	2.3	15
32	Dynamic magnetic properties in the kinetic Ising ferromagnet on triangular lattice within the effective-field theory and using Glauber-type stochastic dynamics. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2016, 444, 732-743.	2.6	14
33	Dynamic Phenomena in Mixed Spin-1 and Spin-1/2 Ising Bilayer System: Effective-Field Theory Based on Glauber Type Stochastic Dynamics. <i>Journal of Superconductivity and Novel Magnetism</i> , 2019, 32, 3853-3863.	1.8	14
34	Dynamic phase diagrams of the Blume-Emery-Griffiths model in an oscillating field by the path probability method. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2014, 411, 42-52.	2.6	13
35	Dynamic phase transitions of the Blume-Emery-Griffiths model under an oscillating external magnetic field by the path probability method. <i>Journal of Magnetism and Magnetic Materials</i> , 2015, 377, 386-394.	2.3	12
36	Dynamic magnetic properties the spin-1 Ising model with bilinear and biquadratic interactions within the path probability method. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2019, 526, 120933.	2.6	12

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37	Dynamic magnetic hysteresis loop behaviors of a mixed spin (2, 5/2) Ising model on two interpenetrating square lattices. <i>Physica Scripta</i> , 2020, 95, 055805.	2.5	12
38	Dynamic magnetic properties of a hexagonal Ising nanowire system with higher-spin. <i>Phase Transitions</i> , 2020, 93, 361-375.	1.3	12
39	Kinetic Transverse Ising Nanowire System in the Presence of a Time-Varying Magnetic Field. <i>Journal of Superconductivity and Novel Magnetism</i> , 2016, 29, 781-788.	1.8	11
40	Dynamic magnetic hysteresis properties of two-dimensional ferrimagnetic structures containing high-spin ( $S=5/2$ ) and low-spin ( $S=1/2$ ). <i>Phase Transitions</i> , 2017, 90, 863-872.	1.3	11
41	The dynamic phase transition in the spin-1/2 Ising system within the path probability method. <i>Phase Transitions</i> , 2014, 87, 376-386.	1.3	10
42	Hexagonal Type Ising Nanowire with Spin-1 Core and Spin-2 Shell Structure. <i>Communications in Theoretical Physics</i> , 2015, 64, 401-408.	2.5	10
43	Effect of the Hamiltonian parameters on Blume-Capel Ising ferromagnet system with single-ion anisotropy. <i>Superlattices and Microstructures</i> , 2016, 98, 259-266.	3.1	10
44	Dynamical thermal dependences of the total magnetization and dynamic magnetic hysteresis properties of Ising bilayer system with square lattice. <i>Physica B: Condensed Matter</i> , 2018, 550, 154-162.	2.7	10
45	Dynamic phase transition in the kinetic spin-5/2 Blume-Emery-Griffiths model in an oscillating external magnetic field. <i>Phase Transitions</i> , 2010, 83, 349-367.	1.3	9
46	Magnetic properties of a spin-1 triangular Ising system. <i>Journal of Magnetism and Magnetic Materials</i> , 2015, 386, 1-7.	2.3	9
47	Dynamic hysteresis loops of the spin-2 bilayer Ising model. <i>Chinese Journal of Physics</i> , 2018, 56, 807-818.	3.9	9
48	Frequency-Dependent Dynamic Phase Diagrams in Ising System with Fe <sub>4</sub> N Structure. <i>Journal of Superconductivity and Novel Magnetism</i> , 2016, 29, 2319-2326.	1.8	8
49	Dynamic magnetic features of a mixed ferro-ferrimagnetic ternary alloy in the form of AB <sub>p</sub> C <sub>1-p</sub> . <i>European Physical Journal Plus</i> , 2021, 136, 1.	2.6	8
50	Thermodynamic quantities and phase diagrams of spin-1 Blume-Capel bilayer Ising model. <i>International Journal of Modern Physics B</i> , 2015, 29, 1550141.	2.0	7
51	Dynamic magnetic properties in 2-dimensional kinetic spin-7/2 Ising system. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2021, 389, 127086.	2.1	7
52	The dynamic magnetic behaviors of the Blume-Capel Ising bilayer system. <i>Modern Physics Letters B</i> , 2015, 29, 1550236.	1.9	6
53	Dynamic phase transitions and dynamic phase diagrams of the Blume-Emery-Griffiths model in an oscillating field: the effective-field theory based on the Glauber-type stochastic dynamics. <i>Phase Transitions</i> , 2018, 91, 103-112.	1.3	6
54	Dynamic magnetic properties of a mixed ferro-ferrimagnetic ternary alloy in the form of AB <sub>p</sub> C <sub>1-p</sub> . <i>Journal of Magnetism and Magnetic Materials</i> , 2021, 418, 165333.	2.6	6

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55	Dynamic magnetic properties of the spin-7/2 Ising nanowire systems with core-shell structure. European Physical Journal Plus, 2022, 137, 1.	2.6	6
56	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
57	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
58	The hysteretic features of ternary spins (1/2, 1, 3/2) idealized Ising nanoparticles on the core-multishell structure. European Physical Journal Plus, 2022, 137, .	2.6	4
59	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
60	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
61	Dynamic hysteresis behaviors in the kinetic Ising system on triangular lattice. Phase Transitions, 2018, 91, 370-381.	1.3	2
62	Dynamic Phase Transitions In The Spin-2 Ising System Under An Oscillating Magnetic Field Within The Effective-Field Theory. , 2010, , .		1