Takahito Kaneyoshi

List of Publications by Year
in descending order

94 papers	2,735 citations	257450 24 h-index	189892 50 g-index
94 all docs	94 docs citations	94 times ranked	260 citing authors

#	Article	IF	Citations
1	Contribution to the new type of effective-field theory of the Ising model. Journal of Physics C: Solid State Physics, 1979, 12, 3979-3992.	1.5	603
2	Differential Operator Technique in the Ising Spin Systems. Acta Physica Polonica A, 1993, 83, 703-738.	0.5	316
3	Magnetic properties of a cylindrical Ising nanowire (or nanotube). Physica Status Solidi (B): Basic Research, 2011, 248, 250-258.	1.5	142
4	Curie Temperatures and Tricritical Points in Mixed Ising Ferromagnetic Systems. Journal of the Physical Society of Japan, 1987, 56, 2675-2680.	1.6	116
5	Transverse Ising model with arbitrary spin. Physical Review B, 1993, 48, 250-255.	3.2	110
6	Phase diagrams of a nanoparticle described by the transverse Ising model. Physica Status Solidi (B): Basic Research, 2005, 242, 2938-2948.	1.5	83
7	The tricritical point in Ising models with random bonds and crystal-field interactions. Journal of Physics C: Solid State Physics, 1986, 19, L557-L561.	1.5	81
8	Tricritical behavior of a mixed spin- and spin-2 Ising system. Physica A: Statistical Mechanics and Its Applications, 1994, 205, 677-686.	2.6	50
9	Contribution to the Theory of Spin-1 Ising Models. Journal of the Physical Society of Japan, 1987, 56, 933-941.	1.6	38
10	Frustration in a transverse Ising nanoisland with an antiferromagnetic spin configuration. Physica B: Condensed Matter, 2015, 472, 11-18.	2.7	38
11	The Possibility of Two Compensation Points in a Decorated Ferrimagnetic Ising System. Journal of the Physical Society of Japan, 2001, 70, 884-888.	1.6	37
12	Frustration in a transverse Ising nanoisland: effects of interlayer coupling. Phase Transitions, 2014, 87, 603-612.	1.3	32
13	Unconventional magnetic properties in transverse Ising nanoislands: Effects of interlayer coupling. Physica E: Low-Dimensional Systems and Nanostructures, 2015, 65, 100-105.	2.7	31
14	A New Disordered Phase and Its Physical Contents of the Blume-Emery-Griffiths Model. Journal of the Physical Society of Japan, 1987, 56, 4199-4202.	1.6	29
15	Surface Magnetic Properties of a Transverse Ising Model with a Diluted Surface. Physica Status Solidi (B): Basic Research, 1990, 160, 337-348.	1.5	29
16	Spin Waves in Amorphous Ferromagnets. Journal of the Physical Society of Japan, 1978, 45, 1835-1841.	1.6	28
17	Frustration in a graphene-like transverse Ising nanoisland. Physica B: Condensed Matter, 2019, 561, 141-146.	2.7	28
18	On the Role of the Fluctuation of Exchange Bonds in Amorphous Ferrimagnetic Alloys. Journal of the Physical Society of Japan, 1986, 55, 1430-1433.	1.6	26

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19	Critical Concentration of a Diluted Spinâ€3/2 Ising Ferromagnet. Physica Status Solidi (B): Basic Research, 1992, 173, K37.	1.5	26
20	Contribution to the Theory of the Spin 5/2 Blumeâ€Capel Model. Physica Status Solidi (B): Basic Research, 1993, 175, 225-236.	1.5	26
21	Meanâ€field analysis of the new type of noncollinear ferrimagnetic mixed systems for thermomagnetic recording. Journal of Applied Physics, 1988, 64, 2545-2549.	2.5	25
22	Transverse Ising nano-systems: Unconventinal surface effects. Journal of Physics and Chemistry of Solids, 2015, 81, 66-73.	4.0	25
23	A Theory of an Amorphous Ferromagnet. Physica Status Solidi (B): Basic Research, 1981, 105, 629-632.	1.5	24
24	New effective-field theory with correlations; application to disordered magnets. European Physical Journal B, 1985, 60, 35-47.	1.5	24
25	Phase diagrams in nanoscaled Ising thin films with diluted surfaces; effects of interlayer coupling at the surfaces. Physica B: Condensed Matter, 2013, 408, 126-133.	2.7	24
26	An antiferromagnetic transverse Ising nanoisland; unconventional surface effects. Journal of Physics and Chemistry of Solids, 2015, 87, 104-109.	4.0	24
27	Effects of a Transverse Field in Two Mixed-Spin Ising Bilayer Films. Nanomaterials, 2017, 7, 256.	4.1	24
28	Decorated Ising nanoparticles with high critical temperature. Phase Transitions, 2020, 93, 263-273.	1.3	24
29	Phase Transition in a Spin-1/2 and Spin-1 Ising Bilayer Film with Non-magnetic Inter-layers. Journal of Superconductivity and Novel Magnetism, 2018, 31, 3331-3337.	1.8	23
30	Unique phenomena induced by an exchange interaction between two graphene-like Ising nanoparticles in an applied transverse field. Chemical Physics Letters, 2019, 715, 72-76.	2.6	23
31	Magnetic Properties of the Ising Model with a Free Surface. Physica Status Solidi (B): Basic Research, 1983, 118, 409-418.	1.5	22
32	A quadrangular transverse Ising nanowire with an antiferromagnetic spin configuration. Physica E: Low-Dimensional Systems and Nanostructures, 2015, 74, 531-537.	2.7	22
33	The possibility of re-entrant phenomena induced by a transverse field in ultra-thin transverse Ising films. Phase Transitions, 2015, 88, 121-136.	1.3	21
34	Phase Diagrams of a Spinâ€One Ising Model with a Random Crystal Field in the Correlated Effectiveâ€Field Treatment. Physica Status Solidi (B): Basic Research, 1992, 170, 313-321.	1.5	20
35	Ferrimagnetism in a transverse Ising antiferromagnet. Journal of Magnetism and Magnetic Materials, 2016, 406, 83-88.	2.3	19
36	Unique magnetism in a graphene ladder-type Ising system under an applied transverse field. Journal of Magnetism and Magnetic Materials, 2019, 485, 308-313.	2.3	18

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37	Magnetism in a graphene-like Ising nanoparticle under an applied transverse field. Journal of Physics and Chemistry of Solids, 2019, 126, 219-223.	4.0	18
38	The Distribution of Magnetic Moments and the Temperature Dependence of Reduced Hyperfine Fields in Amorphous Ferromagnets. Physica Status Solidi (B): Basic Research, 1984, 123, 525-531.	1.5	17
39	Surface Magnetizations of the Semi-infinite Mixed Ising Alloy. Journal of the Physical Society of Japan, 1989, 58, 1755-1766.	1.6	17
40	Correlated Effectiveâ€Field Treatment of the Blumeâ€Capel Model with Halfâ€Integer Spins. Physica Status Solidi (B): Basic Research, 1993, 178, 233-246.	1.5	17
41	On the Paramagnetic Curie Temperature in Amorphous Ferromagnetic Metals. Journal of the Physical Society of Japan, 1978, 45, 94-98.	1.6	16
42	A new type of decoupling approximation for ising model with spin 1/2. European Physical Journal B, 1984, 54, 241-245.	1.5	16
43	Theory of Surface Phase Diagrams in Semi-Infinite Mixed Ising Alloys. Journal of the Physical Society of Japan, 1987, 56, 2886-2895.	1.6	16
44	Effects of Indirect Exchange Interactions in a Mixed-Spin Bilayer Film with Nonmagnetic Layers. Journal of Superconductivity and Novel Magnetism, 2018, 31, 2149-2155.	1.8	16
45	Mixed-spin ferrimagnetic bilayer films with a random crystal field distribution. Journal of Physics and Chemistry of Solids, 2018, 119, 202-209.	4.0	16
46	Thermodynamics of a Mixed Spin Ising Chain. Progress of Theoretical Physics, 1997, 97, 407-416.	2.0	15
47	Shape dependences of magnetic properties in 2D Ising nano-particles. Phase Transitions, 2013, 86, 404-418.	1.3	15
48	Unconventional Phenomena in Transverse Ising Nanowires with Simple Core-Shell Structure. Journal of Superconductivity and Novel Magnetism, 2017, 30, 1867-1876.	1.8	15
49	Magnetism in an antiferromagnetic Ising nanoparticle under an applied transverse field. Chemical Physics Letters, 2019, 736, 136755.	2.6	15
50	A transverse Ising bilayer film with an antiferromagnetic spin configuration. International Journal of Modern Physics B, 2015, 29, 1550197.	2.0	14
51	A note on amorphous ferrimagnetic insulators. Philosophical Magazine Letters, 1987, 55, 69-74.	1.2	13
52	Temperature-Induced Magnetization Reversal in a Transverse Ising Antiferromagnetic Thin Film. Journal of Superconductivity and Novel Magnetism, 2017, 30, 157-164.	1.8	13
53	Phase Diagrams of a Quenched Bond-Mixed Ising Ferromagnet with a Transverse Field. Journal of the Physical Society of Japan, 1985, 54, 1685-1688.	1.6	12
54	The Effects of an Applied Transverse Field in a Graphene-Like Ising Bilayer Film with Nonequivalent Planes. Journal of Superconductivity and Novel Magnetism, 2019, 32, 1271-1277.	1.8	12

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55	Surface Magnetism in Amorphous Semi-Infinite Ising Ferromagnets. Journal of the Physical Society of Japan, 1983, 52, 3208-3214.	1.6	11
56	Decoration in a Graphene-like Ising nanoparticle for the possibility of high critical temperature. Chemical Physics Letters, 2020, 745, 137224.	2.6	11
57	On the possibility of magnetic ordering (TC(N)) induced by a surface exchange interaction in an Ising nanoparticle with TC(N)â€˜>â€˜TC(B), where TC(B) is a transition temperature in the corresponding bulk system. Chemical Physics, 2020, 530, 110588.	1.9	10
58	Reduced magnetization curves of Ising nanoparticles with high critical temperature. Phase Transitions, 2020, 93, 376-387.	1.3	10
59	A graphene-like Ising nanoparticle decorated with Ising trimer: High critical temperature, compensation point and characteristic magnetization curves. Solid State Communications, 2021, 323, 114132.	1.9	10
60	The Effects of the Structurally Induced Magnetic Inhomogeneities to the Critical Phenomena in Amorphous Ferromagnets. Journal of the Physical Society of Japan, 1982, 51, 73-79.	1.6	10
61	Ferrimagnetism in an Ising Bilayer Film with a Transverse Field and Nonmagnetic Interlayers. Journal of Superconductivity and Novel Magnetism, 2018, 31, 1949-1954.	1.8	9
62	Compensation point phenomena in a graphene-like Ising nanoparticle decorated with spin-3/2 atoms. Journal of Physics and Chemistry of Solids, 2021, 150, 109880.	4.0	9
63	Phase Diagrams of an Amorphous Ferromagnetic Insulator with a Fractional Effective Coordination Number. Physica Status Solidi (B): Basic Research, 1988, 146, 253-262.	1.5	8
64	Unique phase diagrams in a graphene-like transverse Ising nanoparticle. International Journal of Modern Physics B, 2018, 32, 1850255.	2.0	8
65	Phase Transition in Mixed Spin Ising Nanoparticles. Journal of Superconductivity and Novel Magnetism, 2020, 33, 1151-1157.	1.8	8
66	Magnetism in a graphene-like Ising (spin-1/2) nanoparticle decorated with spin-1 atom. Phase Transitions, 2020, 93, 1132-1142.	1.3	8
67	Ferrimagnetism and reentrant phenomena in a tetragonal Ising nanoparticle. Philosophical Magazine, 2020, 100, 2262-2274.	1.6	8
68	On an Anomalous Behaviour of Spinâ€Wave Stiffness Constant in Amorphous Ferromagnets. Physica Status Solidi (B): Basic Research, 1983, 118, 751-755.	1.5	7
69	A basis of amorphous ferrimagnets. IEEE Transactions on Magnetics, 1987, 23, 2987-2989.	2.1	7
70	Thermodynamics of the oneâ€dimensional Blumeâ€Capel model with an arbitrary spin. Physica Status Solidi (B): Basic Research, 1992, 174, 537-546.	1.5	7
71	Unique Phenomena in Transverse Ising Nanoislands. Journal of Superconductivity and Novel Magnetism, 2019, 32, 591-598.	1.8	7
72	Reentrant Phenomena in an Antiferromagnetic Ising Nanoparticle and a Ladder-Type Ising System under an Applied Transverse Field. Journal of Superconductivity and Novel Magnetism, 2019, 32, 3191-3200.	1.8	7

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73	Phase Diagrams in Graphene-like Ising Nanoparticles. Journal of Superconductivity and Novel Magnetism, 2019, 32, 311-318.	1.8	7
74	Amorphization of the Ising Ferromagnet with a Transverse Field; Specific Heat. Journal of the Physical Society of Japan, 1985, 54, 3514-3525.	1.6	7
75	Surface Magnetic Properties of an Amorphous Semiâ€Infinite Ferromagnet with Random Fields. Physica Status Solidi (B): Basic Research, 1992, 171, 247-256.	1.5	6
76	Compensation point phenomena in nanoscale Ising particles with high critical temperature. Phase Transitions, 2020, 93, 826-842.	1.3	6
77	On the Effect of Magnetic Fields in Disordered Antiferromagnets. Physica Status Solidi (B): Basic Research, 1974, 62, K39.	1.5	5
78	On the Hall coefficient in a disordered system: Random phase model. Philosophical Magazine and Journal, 1976, 33, 11-20.	1.7	5
79	Magnetism in an antiferromagnetic Ising nanoribbon. Physica B: Condensed Matter, 2021, 608, 411854.	2.7	5
80	On the Resistivity Minimum in Amorphous Ferromagnets. Physica Status Solidi (B): Basic Research, 1974, 66, K1.	1.5	4
81	Phase Diagram for the Ising Model with a Free Surface. Physica Status Solidi (B): Basic Research, 1984, 121, 197-202.	1.5	4
82	Surface Magnetizations of the Semi-infinite Ferrimagnetic Mixed Ising Alloy. Journal of the Physical Society of Japan, 1989, 58, 1767-1774.	1.6	4
83	Magnetism in an antiferromagnetic Ising nano-ladder under an applied transverse field. Phase Transitions, 2019, 92, 707-718.	1.3	4
84	Magnetization Changes with Decoration in an Ising Nanoparticle with High Critical Temperature. Journal of Superconductivity and Novel Magnetism, 2020, 33, 3923-3928.	1.8	4
85	Magnetism in two antiferromagnetic Ising nanoparticles under an applied transverse field. Journal of Magnetism and Magnetic Materials, 2020, 502, 166368.	2.3	4
86	Magnetic Properties of a Surface with an Amorphous Layer. Physica Status Solidi (B): Basic Research, 1988, 150, 297-306.	1.5	3
87	Surface Phase Diagrams of an Amorphous Ferromagnet with Surface Crystallization. Physica Status Solidi (B): Basic Research, 1991, 165, 549-554.	1.5	3
88	On the CPA valenta equation in a dilute ferromagnetic thin film. Physica Status Solidi (B): Basic Research, 1975, 69, K41.	1.5	2
89	On the Effective Field Theory of Magnetic Solid Solution Alloys. Physica Status Solidi (B): Basic Research, 1975, 71, K213.	1.5	1
90	Comment on the Possibility of a New Low Temperature Phase in Amorphous Magnetic Metals. Journal of the Physical Society of Japan, 1978, 45, 1411-1411.	1.6	1

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91	Correlated Effectiveâ€Field Treatment of Spinâ€1 Ising Models; Susceptibility. Physica Status Solidi (B): Basic Research, 1993, 178, 511-523.	1.5	1
92	Comment on the Magnetization of Amorphous GdxY68-xCu32Alloys. Journal of the Physical Society of Japan, 1989, 58, 756-756.	1.6	0
93	Surface Magnetizations of a Semiâ€Infinite Ferrimagnetic System with a Compensation Point in the Bulk. Physica Status Solidi (B): Basic Research, 1992, 171, 239-245.	1.5	0
94	Surface Magnetizations of a Spinâ€1/2 Ising Semiâ€Infinite Ferromagnet with a Spinâ€3/2 Overlayer. Physica Status Solidi (B): Basic Research, 1993, 179, K81.	1.5	0