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	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
2	Magnetism in an antiferromagnetic Ising nanoribbon. Physica B: Condensed Matter, 2021, 608, 411854.	2.7	5
3	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
4	Phase Transition in Mixed Spin Ising Nanoparticles. Journal of Superconductivity and Novel Magnetism, 2020, 33, 1151-1157.	1.8	8
5	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
6	Compensation point phenomena in nanoscale Ising particles with high critical temperature. Phase Transitions, 2020, 93, 826-842.	1.3	6
7	Decoration in a Graphene-like Ising nanoparticle for the possibility of high critical temperature. Chemical Physics Letters, 2020, 745, 137224.	2.6	11
8	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
9	Magnetism in a graphene-like Ising (spin-1/2) nanoparticle decorated with spin-1 atom. Phase Transitions, 2020, 93, 1132-1142.	1.3	8
10	Ferrimagnetism and reentrant phenomena in a tetragonal Ising nanoparticle. Philosophical Magazine, 2020, 100, 2262-2274.	1.6	8
11	Decorated Ising nanoparticles with high critical temperature. Phase Transitions, 2020, 93, 263-273.	1.3	24
12	Reduced magnetization curves of Ising nanoparticles with high critical temperature. Phase Transitions, 2020, 93, 376-387.	1.3	10
13	Magnetism in two antiferromagnetic Ising nanoparticles under an applied transverse field. Journal of Magnetism and Magnetic Materials, 2020, 502, 166368.	2.3	4
14	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
15	Unique Phenomena in Transverse Ising Nanoislands. Journal of Superconductivity and Novel Magnetism, 2019, 32, 591-598.	1.8	7
16	Frustration in a graphene-like transverse Ising nanoisland. Physica B: Condensed Matter, 2019, 561, 141-146.	2.7	28
17	Magnetism in an antiferromagnetic Ising nanoparticle under an applied transverse field. Chemical Physics Letters, 2019, 736, 136755.	2.6	15
18	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

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19	Magnetism in an antiferromagnetic Ising nano-ladder under an applied transverse field. Phase Transitions, 2019, 92, 707-718.	1.3	4
20	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
21	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
22	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
23	Phase Diagrams in Graphene-like Ising Nanoparticles. Journal of Superconductivity and Novel Magnetism, 2019, 32, 311-318.	1.8	7
24	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
25	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
26	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
27	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
28	Unique phase diagrams in a graphene-like transverse Ising nanoparticle. International Journal of Modern Physics B, 2018, 32, 1850255.	2.0	8
29	Unconventional Phenomena in Transverse Ising Nanowires with Simple Core-Shell Structure. Journal of Superconductivity and Novel Magnetism, 2017, 30, 1867-1876.	1.8	15
30	Temperature-Induced Magnetization Reversal in a Transverse Ising Antiferromagnetic Thin Film. Journal of Superconductivity and Novel Magnetism, 2017, 30, 157-164.	1.8	13
31	Effects of a Transverse Field in Two Mixed-Spin Ising Bilayer Films. Nanomaterials, 2017, 7, 256.	4.1	24
32	Ferrimagnetism in a transverse Ising antiferromagnet. Journal of Magnetism and Magnetic Materials, 2016, 406, 83-88.	2.3	19
33	Transverse Ising nano-systems: Unconventinal surface effects. Journal of Physics and Chemistry of Solids, 2015, 81, 66-73.	4.0	25
34	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
35	Frustration in a transverse Ising nanoisland with an antiferromagnetic spin configuration. Physica B: Condensed Matter, 2015, 472, 11-18.	2.7	38
36	An antiferromagnetic transverse Ising nanoisland; unconventional surface effects. Journal of Physics and Chemistry of Solids, 2015, 87, 104-109.	4.0	24

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37	A transverse Ising bilayer film with an antiferromagnetic spin configuration. International Journal of Modern Physics B, 2015, 29, 1550197.	2.0	14
38	A quadrangular transverse Ising nanowire with an antiferromagnetic spin configuration. Physica E: Low-Dimensional Systems and Nanostructures, 2015, 74, 531-537.	2.7	22
39	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
40	Frustration in a transverse Ising nanoisland: effects of interlayer coupling. Phase Transitions, 2014, 87, 603-612.	1.3	32
41	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
42	Shape dependences of magnetic properties in 2D Ising nano-particles. Phase Transitions, 2013, 86, 404-418.	1.3	15
43	Magnetic properties of a cylindrical Ising nanowire (or nanotube). Physica Status Solidi (B): Basic Research, 2011, 248, 250-258.	1.5	142
44	Phase diagrams of a nanoparticle described by the transverse Ising model. Physica Status Solidi (B): Basic Research, 2005, 242, 2938-2948.	1.5	83
45	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
46	Thermodynamics of a Mixed Spin Ising Chain. Progress of Theoretical Physics, 1997, 97, 407-416.	2.0	15
47	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
48	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
49	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
50	Correlated Effectiveâ€Field Treatment of Spinâ€1 Ising Models; Susceptibility. Physica Status Solidi (B): Basic Research, 1993, 178, 511-523.	1.5	1
51	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
52	Transverse Ising model with arbitrary spin. Physical Review B, 1993, 48, 250-255.	3.2	110
53	Differential Operator Technique in the Ising Spin Systems. Acta Physica Polonica A, 1993, 83, 703-738.	0.5	316
54	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

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55	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
56	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
57	Critical Concentration of a Diluted Spinâ€3/2 Ising Ferromagnet. Physica Status Solidi (B): Basic Research, 1992, 173, K37.	1.5	26
58	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
59	Surface Phase Diagrams of an Amorphous Ferromagnet with Surface Crystallization. Physica Status Solidi (B): Basic Research, 1991, 165, 549-554.	1.5	3
60	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
61	Surface Magnetizations of the Semi-infinite Mixed Ising Alloy. Journal of the Physical Society of Japan, 1989, 58, 1755-1766.	1.6	17
62	Surface Magnetizations of the Semi-infinite Ferrimagnetic Mixed Ising Alloy. Journal of the Physical Society of Japan, 1989, 58, 1767-1774.	1.6	4
63	Comment on the Magnetization of Amorphous GdxY68-xCu32Alloys. Journal of the Physical Society of Japan, 1989, 58, 756-756.	1.6	0
64	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
65	Magnetic Properties of a Surface with an Amorphous Layer. Physica Status Solidi (B): Basic Research, 1988, 150, 297-306.	1.5	3
66	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
67	A note on amorphous ferrimagnetic insulators. Philosophical Magazine Letters, 1987, 55, 69-74.	1.2	13
68	Curie Temperatures and Tricritical Points in Mixed Ising Ferromagnetic Systems. Journal of the Physical Society of Japan, 1987, 56, 2675-2680.	1.6	116
69	Contribution to the Theory of Spin-1 Ising Models. Journal of the Physical Society of Japan, 1987, 56, 933-941.	1.6	38
70	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
71	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
72	A basis of amorphous ferrimagnets. IEEE Transactions on Magnetics, 1987, 23, 2987-2989.	2.1	7

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73	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
74	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
75	New effective-field theory with correlations; application to disordered magnets. European Physical Journal B, 1985, 60, 35-47.	1.5	24
76	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
77	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
78	A new type of decoupling approximation for ising model with spin 1/2. European Physical Journal B, 1984, 54, 241-245.	1.5	16
79	Phase Diagram for the Ising Model with a Free Surface. Physica Status Solidi (B): Basic Research, 1984, 121, 197-202.	1.5	4
80	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
81	Magnetic Properties of the Ising Model with a Free Surface. Physica Status Solidi (B): Basic Research, 1983, 118, 409-418.	1.5	22
82	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
83	Surface Magnetism in Amorphous Semi-Infinite Ising Ferromagnets. Journal of the Physical Society of Japan, 1983, 52, 3208-3214.	1.6	11
84	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
85	A Theory of an Amorphous Ferromagnet. Physica Status Solidi (B): Basic Research, 1981, 105, 629-632.	1.5	24
86	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
87	On the Paramagnetic Curie Temperature in Amorphous Ferromagnetic Metals. Journal of the Physical Society of Japan, 1978, 45, 94-98.	1.6	16
88	Spin Waves in Amorphous Ferromagnets. Journal of the Physical Society of Japan, 1978, 45, 1835-1841.	1.6	28
89	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
90	On the Hall coefficient in a disordered system: Random phase model. Philosophical Magazine and Journal, 1976, 33, 11-20.	1.7	5

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91	On the CPA valenta equation in a dilute ferromagnetic thin film. Physica Status Solidi (B): Basic Research, 1975, 69, K41.	1.5	2
92	On the Effective Field Theory of Magnetic Solid Solution Alloys. Physica Status Solidi (B): Basic Research, 1975, 71, K213.	1.5	1
93	On the Effect of Magnetic Fields in Disordered Antiferromagnets. Physica Status Solidi (B): Basic Research, 1974, 62, K39.	1.5	5
94	On the Resistivity Minimum in Amorphous Ferromagnets. Physica Status Solidi (B): Basic Research, 1974, 66, K1.	1.5	4