Eiji Kita

List of Publications by Year
in descending order

113 papers	1,464 citations	394421 19 h-index	395702 33 g-index
116 all docs	116 docs citations	116 times ranked	1598 citing authors

#	Article	IF	Citations
1	Effect of static magnetic field bias on dynamic hysteresis loops of a magnetic nanoparticle suspension. Japanese Journal of Applied Physics, 2022, 61, 065003.	1.5	3
2	Dynamic Hysteresis Measurement of Magnetic Nanoparticle Suspensions in Parallel and Perpendicular DC Magnetic Fields. IEEE Transactions on Magnetics, 2021, 57, 1-5.	2.1	8
3	Atomic Structure and Electron Magnetic Circular Dichroism of Individual Rock Salt Structure Antiphase Boundaries in Spinel Ferrites. Advanced Functional Materials, 2021, 31, 2008306.	14.9	15
4	Topotactic crystal structure transformation from spinel ferrite to wÃ¼stite in epitaxial Fe3O4 films via Kr ion irradiation. Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films, 2021, 39, 033403.	2.1	1
5	Effect of etching on spin canting in hydrothermally synthesized Co-Ni ferrite particles. Hyperfine Interactions, 2020, 241, 1.	0.5	0
6	Effect of lattice mismatch on magnetic properties of acicular spinel iron oxide particles with crystallized cobalt ferrite layer. Journal of Magnetism and Magnetic Materials, 2020, 510, 166932.	2.3	4
7	Magnetic Properties of Tetragonal Cobalt Manganese Ferrite Particles Prepared Using the Molten Salt Method. IEEE Transactions on Magnetics, 2020, 56, 1-4.	2.1	3
8	Coercive force of Coâ€“Niâ€“Li spinel ferrite particles synthesized through co-precipitation, hydrothermal treatment, and etching in hydrochloric acid. Japanese Journal of Applied Physics, 2020, 59, 085002.	1.5	0
9	Structure and Magnetic Properties of Coâ€“Ni Spinel Ferrite Particles Synthesized via Co-Precipitation and Hydrothermal Treatment at Different Temperatures. Materials Transactions, 2019, 60, 485-489.	1.2	4
10	Structure and Magnetic Properties of Co-Ni Spinel Ferrite Particles Synthesized via Co-Precipitation and Hydrothermal Treatment at Different Temperatures. Nippon Kinzoku Gakkaishi/Journal of the Japan Institute of Metals, 2019, 83, 207-211.	0.4	2
11	Large negative uniaxial magnetic anisotropy in highly distorted Co-ferrite thin films. Applied Physics Letters, 2019, 114, 092408.	3.3	20
12	Magnetic Properties of Epitaxial Barium Hexaferrite (0001) Thin Films Deposited by Radio Frequency Magnetron Sputtering. IEEE Transactions on Magnetics, 2018, 54, 1-4.	2.1	1
13	Surface Observation and Magnetism of Oil-Extracted Botryococcus braunii Residues before and after Carbonization. Journal of Carbon Research, 2018, 4, 10.	2.7	2
14	Effect of Synthesis Method on Particle Size and Magnetic and Structural Properties of Coâ€“Ni Ferrites. IEEE Transactions on Magnetics, 2018, 54, 1-4.	2.1	9
15	Control of Magnetic Anisotropy by Lattice Distortion in Cobalt Ferrite Thin Film. IEEE Transactions on Magnetics, 2018, 54, 1-4.	2.1	15
16	Magnetic anisotropy in spherical Fe16N2 coreâ€“shell nanoparticles determined by torque measurements. AIP Advances, 2017, 7, 056212.	1.3	7
17	Spin Hall magnetoresistance at the interface between platinum and cobalt ferrite thin films with large magnetic anisotropy. AIP Advances, 2017, 7, .	1.3	3
18	Enhanced Anisotropy in Tetragonalized (Cu,Co)Fe₂O₄ Particles via the Jahnâ€“Teller Effect of Cu²⁺ Ions. IEEE Transactions on Magnetics, 2017, 53, 1-4.	2.1	3

#	Article	IF	Citations
19	Large Negative Uniaxial Magnetic Anisotropy in Epitaxially Strained Nickel Ferrite Films. IEEE Transactions on Magnetics, 2017, 53, 1-4.	2.1	5
20	Synthesis of single-phase L10-FeNi magnet powder by nitrogen insertion and topotactic extraction. Scientific Reports, 2017, 7, 13216.	3.3	86
21	Dynamic Magnetization Properties of Platelet Ferromagnetic Nanoparticles and Their Heat Generation Injected in Tumors of Mice. IEEE Transactions on Magnetics, 2017, 53, 1-5.	2.1	3
22	Effect of Copper Substitution on Fe₃O₄ Particles Prepared via Coprecipitation and Flux Methods. IEEE Transactions on Magnetics, 2017, 53, 1-4.	2.1	2
23	Magnetic Properties of Spinel Ferrite Thin Films Grown by Reactive Sputtering. Materials Transactions, 2016, 57, 777-780.	1.2	7
24	Cetuximab delivery and antitumor effects are enhanced by mild hyperthermia in a xenograft mouse model of pancreatic cancer. Cancer Science, 2016, 107, 514-520.	3.9	26
25	Magnetic fluid with high dispersion and heating performance using nano-sized Fe3O4 platelets. Journal of Magnetism and Magnetic Materials, 2016, 398, 200-204.	2.3	13
26	Large-scale micromagnetics simulations with dipolar interaction using all-to-all communications. AIP Advances, 2016, 6, 056405.	1.3	9
27	Liquid phase synthesis of spinel-structured ferrimagnetic iron oxide nanoparticles for magnetic hyperthermia. , 2015, , .		0
28	Epitaxial Growth of Co_{0.75}Fe_{2.25}O₄/NiO Bilayer on MgO(001) Substrate. IEEE Transactions on Magnetics, 2015, 51, 1-3.	2.1	0
29	Effect of Reaction Temperature on Particle Size of Iron Oxide Nanoparticles via Heating of Platelet <inline-formula> <tex-math notation="LaTeX">${alpha }$ </tex-math></inline-formula>-FeOOH in Tetraethylene Glycol. IEEE Transactions on Magnetics, 2015, 51, 1-4.	2.1	0
30	Magnetic Properties of Cobalt Ferrite (001) Films Grown on Spinel-Type Buffer Layers. IEEE Transactions on Magnetics, 2015, 51, 1-4.	2.1	0
31	Observation of longitudinal spin-Seebeck effect in cobalt-ferrite epitaxial thin films. AIP Advances, 2015, 5, .	1.3	36
32	Quantity Determination of Magnetic Particles Intravenously Administered to Mice Tissues Using Magnetization Measurements. IEEE Transactions on Magnetics, 2015, 51, 1-6.	2.1	1
33	Reconstruction of magnetic domain structure using the reverse Monte Carlo method with an extended Fourier image. Journal of Applied Physics, 2015, 117, 17D149.	2.5	1
34	Magnetization control for bit pattern formation of spinel ferromagnetic oxides by Kr ion implantation. Journal of Applied Physics, 2014, 115, 17B907.	2.5	2
35	Magnetic and Electrical Properties of Epitaxial NiFe₂O₄ (001) Films Fabricated by Reactive Sputtering. IEEE Transactions on Magnetics, 2014, 50, 1-4.	2.1	4
36	Study of the heating characteristics and mechanisms of magnetic nanoparticles over a wide range of frequencies and amplitudes of an alternating magnetic field. Journal of Physics: Conference Series, 2014, 521, 012014.	0.4	7

#	Article	IF	Citations
37	Ferromagnetic Resonance in Magnetite Thin Films. IEEE Transactions on Magnetics, 2014, 50, 1-3.	2.1	9
38	Annealing Effects on Tunnel Magnetoresistance in Polyimide-Co Granular Films. IEEE Transactions on Magnetics, 2014, 50, 1-4.	2.1	0
39	Characterization of Spinel-Structured Iron Oxide Nanoparticles Synthesized by Heating of α-FeOOH Platelets in Tetra-Ethylene Glycol. Materials Transactions, 2014, 55, 813-817.	1.2	2
40	Electron theory of perpendicular magnetic anisotropy of Co-ferrite thin films. AIP Advances, 2014, 4, .	1.3	17
41	Perpendicular magnetic anisotropy in epitaxially strained cobalt-ferrite (001) thin films. Journal of Applied Physics, 2014, 115, .	2.5	36
42	Synthesis and Morphology of Platelet Î±-FeOOH and Î³-Fe2O3 Nanoparticles for Cancer Therapy Using Hysteresis-Loss Heating. Funtai Oyobi Fummatsu Yakin/Journal of the Japan Society of Powder and Powder Metallurgy, 2014, 61, S125-S128.	0.2	0
43	Synthesis and Characterization of Iron Oxide Particles for Medical Applications. Funtai Oyobi Fummatsu Yakin/Journal of the Japan Society of Powder and Powder Metallurgy, 2014, 61, S117-S120.	0.2	0
44	Study of Perpendicular Magnetic Anisotropy and Magneto-Elastic Coupling in the First Principles and Phenomenology. IEEE Transactions on Magnetics, 2013, 49, 3269-3272.	2.1	13
45	Dependences of Specific Loss Power on Magnetic Field and Frequency in Elongated Platelet $gamma$-Fe$_{2}$O$_{3}$ Particles Using Hysteresis-Loss Heating. IEEE Transactions on Magnetics, 2013, 49, 4756-4760.	2.1	11
46	Effect of calculation conditions on the numerical simulation of magnetic materials with random magnetic anisotropy. Journal of the Korean Physical Society, 2013, 63, 768-772.	0.7	3
47	Studies on spintronics-related thin films using synchrotron-radiation-based MÃ¶ssbauer spectroscopy. Hyperfine Interactions, 2013, 217, 127-135.	0.5	18
48	Magnetotransport properties in epitaxial Fe3O4(001) thin films with current perpendicular to the plane geometry. Journal of Applied Physics, 2013, 113, 17B104.	2.5	6
49	Extraordinarily large perpendicular magnetic anisotropy in epitaxially strained cobalt-ferrite CoxFe3âˆ’xO4(001) (xâ€‰=â€‰0.75, 1.0) thin films. Applied Physics Letters, 2013, 103, .	3.3	87
50	Characterization of Spinel-Structured Iron Oxide Particles Synthesized by Heating α-Fe₂O₃ Platelets in Tetra-Ethylene Glycol. Materials Transactions, 2013, 54, 222-224.	1.2	5
51	Morphology and Magnetic Properties of Platelet γ-Fe₂O₃ Particles. Materials Transactions, 2012, 53, 1711-1715.	1.2	9
52	Room temperature magnetoresistance in a polyimide-Co granular film synthesized by vapor deposition polymerization. Applied Physics Letters, 2012, 101, .	3.3	5
53	MÃ¶ssbauer study on the antiferromagnetic FeO synthesized under high pressure. Hyperfine Interactions, 2012, 205, 135-138.	0.5	8
54	Random magnetic anisotropy in isotropic nanocrystalline composite permanent magnets. Journal of Applied Physics, 2011, 109, 083904.	2.5	4

#	Article	IF	Citations
55	Perpendicular magnetic anisotropy in CoFe2O4(001) films epitaxially grown on MgO(001). Journal of Applied Physics, 2011, 109, .	2.5	56
56	Electronic States and Magnetic Coupling in Fe/Fe3O4 Junctions. Materials Research Society Symposia Proceedings, 2011, 1292, 41.	0.1	0
57	Synthesis of ε-Fe<I>_x</I>N (2≤<I>x</I>≤3) Submicron Particles and the Diffusion Mechanism of Nitrogen Atoms. Materials Transactions, 2010, 51, 2173-2176.	1.2	11
58	Ferromagnetic nanoparticles for magnetic hyperthermia and thermoablation therapy. Journal Physics D: Applied Physics, 2010, 43, 474011.	2.8	105
59	Heating characteristics of ferromagnetic iron oxide nanoparticles for magnetic hyperthermia. Journal of Applied Physics, 2010, 107, .	2.5	50
60	Site Preference of Fe Ion in SrV6-xFexO11. Journal of the Physical Society of Japan, 2009, 78, 054703.	1.6	1
61	Antiferromagnetic interlayer coupling through a thin MgO layer in Î³-Fe2O3â^•MgOâ^•Fe(001) multilayers. Journal of Applied Physics, 2007, 101, 09D101.	2.5	10
62	On the Magnetic Symmetry of the Low Temperature Phase of ZnCr2O4. Journal of the Physical Society of Japan, 2007, 76, 064710.	1.6	6
63	Symmetry Breaking in a Frustrated Heisenberg Spin System, ZnCr2O4: I. Magnetic Measurements. Journal of the Physical Society of Japan, 2006, 75, 064709.	1.6	6
64	Iron Vacancy Ordered Î³-Fe2O3(001) Epitaxial Films: The Crystal Structure and Electrical Resistivity. Journal of the Physical Society of Japan, 2006, 75, 054708.	1.6	51
65	Ferromagnetism in Co-doped TiO2 single crystals. Physica Status Solidi C: Current Topics in Solid State Physics, 2006, 3, 4127-4130.	0.8	6
66	Symmetry Breaking in a Frustrated Heisenberg Spin System, ZnCr2O4: II. Neutron Scattering Measurements. Journal of the Physical Society of Japan, 2006, 75, 064710.	1.6	8
67	Structural and magnetic properties of Co doped GaN. Physica Status Solidi C: Current Topics in Solid State Physics, 2005, 2, 2458-2462.	0.8	10
68	Perpendicular magnetic anisotropy of Coâ^•Rh(111) distorted superlattices. Journal of Applied Physics, 2005, 97, 016103.	2.5	7
69	Magnetic properties of rare-earth-doped GaN. Physica Status Solidi C: Current Topics in Solid State Physics, 2003, 0, 2874-2877.	0.8	10
70	Characterization and Determination of Elastic Property of High-Density Nanocrystalline Gold Prepared by Gas-Deposition Method. Materials Transactions, 2003, 44, 94-103.	1.2	12
71	Characteristic creep behavior of nanocrystalline metals found for high-density gold. Physical Review B, 2002, 66, .	3.2	17
72	Structural Phase Transition and Dielectric Properties of ZnCr 2 O 4. Ferroelectrics, 2002, 268, 327-332.	0.6	24

#	Article	IF	Citations
73	Dielectric Anomaly of ZnCr2O4at Antiferromagnetic Transition. Journal of the Physical Society of Japan, 2002, 71, 916-921.	1.6	20
74	Structural and magnetic transitions inPbV6O11. Physical Review B, 2001, 64, .	3.2	13
75	Magnetic Properties of Co Particles Alternately Electro-deposited into Micropores of Alumite. Journal of the Magnetics Society of Japan, 1999, 23, 655-657.	0.4	0
76	Specific Heat of NaV6O11Single Crystals. Journal of the Physical Society of Japan, 1998, 67, 1303-1305.	1.6	11
77	Phase Transitions at High Temperature in Intercalation Compounds Mn1/4NbS2and Mn1/4TaS2. Journal of the Physical Society of Japan, 1997, 66, 1698-1701.	1.6	3
78	Millimeter Wave FMR of Fe/MgO and Fe/MgF2Multilayers Using Strip-Line Technique. Journal of the Physical Society of Japan, 1997, 66, 3272-3276.	1.6	0
79	Neutron and X-Ray Small Angle Scattering Studies of Rapidly Quenched La-Fe Alloys. Journal of the Physical Society of Japan, 1997, 66, 451-454.	1.6	0
80	Magnetic Properties of Fe Nanocrystals Prepared by the GDM. Journal of the Magnetics Society of Japan, 1997, 21, 413-416.	0.4	1
81	93Nb and63Cu NMR studies of superconducting Nb/Cu multilayers. European Physical Journal D, 1996, 46, 743-744.	0.4	0
82	Atomic-scale structure of GdxFe100â€"x melt-quenched amorphous alloys (x = 22, 33, 56) by X-ray diffraction. Physica Status Solidi A, 1996, 157, 365-372.	1.7	9
83	Ni and NiFe nanocrystalline films prepared with gas-deposition method. IEEE Transactions on Magnetics, 1996, 32, 4487-4489.	2.1	13
84	Optical transmissions in metal/insulator (Fe/MgF2) multilayered thin films. Journal of Applied Physics, 1995, 78, 5198-5200.	2.5	5
85	Magnetic Equations of State of Heisenberg Ferromagnets, EuS and Its Sr-Diluted Derivatives, in a High Field Region. Journal of the Physical Society of Japan, 1995, 64, 4101-4104.	1.6	5
86	DC magnetoelectric effect measurements by a squid magnetometer. Ferroelectrics, 1994, 162, 397-400.	0.6	11
87	Magnetoelectric effect of yttrium iron garnet (YIG) at low temperature. Ferroelectrics, 1994, 161, 73-76.	0.6	6
88	MÃ¶ssbauer effect of magnetoelectric Y₃Fe₅O₁₂(YIG) single crystal prepared by liquid phase epitaxy. Ferroelectrics, 1994, 161, 141-146.	0.6	3
89	Mechanical alloying process of Feâ€Cr powders studied by magnetic measurements. Journal of Applied Physics, 1993, 73, 429-433.	2.5	57
90	Magnetic properties of Co/MgO multilayered films. Journal of Applied Physics, 1993, 73, 6350-6352.	2.5	6

#	Article	IF	Citations
91	Magnetic Anisotropies of Fe/MgO Multilayers Determined by Submillimeter Wave FMR. Journal of the Physical Society of Japan, 1993, 62, 4467-4473.	1.6	17
92	Interface Mixing in Fe/LiF Multilayered Thin Film. Journal of the Physical Society of Japan, 1992, 61, 35-38.	1.6	6
93	Magnetoelectric Effect in Magnetic Materials. Acta Physica Polonica A, 1992, 81, 431-466.	0.5	36
94	The Second Order Magnetoelectric Effect in a High Purity YIG (Yttrium Iron Garnet) Single Crystal. Journal of the Physical Society of Japan, 1991, 60, 288-293.	1.6	6
95	MÃ¶ssbauer Effect and Dielectric Constant of a YIG Single Crystal and Possibility of a Low Temperature Structural Transition. Journal of the Physical Society of Japan, 1991, 60, 294-299.	1.6	15
96	Atomic Structure and Magnetic Property of Melt-Spun La-Fe Alloys. Nippon Kinzoku Gakkaishi/Journal of the Japan Institute of Metals, 1990, 54, 125-130.	0.4	3
97	Magnetic Symmetry of Yttrium Iron Garnet (YIG) in the Low-Temperature Phase. Journal of the Physical Society of Japan, 1989, 58, 1145-1148.	1.6	10
98	Possibility of ferroelectricity in Yttrium iron garnet single crystal. Ferroelectrics, 1989, 96, 251-255.	0.6	8
99	The enhanced magnetic moment and structural study of Fe/MgO multilayered films. Journal of Applied Physics, 1988, 64, 5763-5765.	2.5	34
100	Calorimetric Study of Critical Phenomena in the Diluted Random Ferromagnet, EuxSr1-xS. Journal of the Physical Society of Japan, 1988, 57, 3381-3390.	1.6	12
101	Magnetic Properties of Amorphous Fe-Nd Alloys. Nippon Kinzoku Gakkaishi/Journal of the Japan Institute of Metals, 1988, 52, 251-258.	0.4	2
102	Magnetic Properties of Iron Nitride Thin Films with High Corrosion Resistance. IEEE Translation Journal on Magnetics in Japan, 1987, 2, 575-576.	0.1	2
103	A Low Temperature Phase Transition in Yttrium Iron Garnet (YIG). Journal of the Physical Society of Japan, 1987, 56, 452-455.	1.6	25
104	Magnetic properties of Fe-Co nitride thin films. IEEE Transactions on Magnetics, 1987, 23, 3630-3632.	2.1	9
105	Crystallization Process and Magnetic Properties of Fe_{100−<I>X</I>}B<I>_X</I>(10≤<I>X</I>≤35) Amorphous Alloys and Supersaturated Situation of Boron in α-Fe. Nippon Kinzoku Gakkaishi/Journal of the Japan Institute of Metals, 1987, 51, 263-270.	0.4	7
106	Magnetic properties of iron nitride thin films with high corrosion-resistance. IEEE Transactions on Magnetics, 1986, 22, 591-593.	2.1	52
107	Magnetic properties of alternately evaporated Fe-Gd films. IEEE Transactions on Magnetics, 1985, 21, 1942-1944.	2.1	7
108	Magnetic Properties of Insoluble Binary System Thin Film. IEEE Translation Journal on Magnetics in Japan, 1985, 1, 1095-1096.	0.1	0

#	Article	IF	Citations
109	Magnetic properties of iron-nitride particles prepared with gas evaporation method. IEEE Transactions on Magnetics, 1983, 19, 1629-1631.	2.1	40
110	Magnetic properties of rare-earth transition-metal alloy films prepared by oblique incidence method. IEEE Transactions on Magnetics, 1983, 19, 1650-1652.	2.1	9
111	Magnetic Equation of State in a Substitutionally Random Ferromagnet. EuxSr1-xS. Journal of the Physical Society of Japan, 1982, 51, 2746-2754.	1.6	21
112	Recording tapes using iron nitride fine powder. IEEE Transactions on Magnetics, 1981, 17, 3026-3028.	2.1	48
113	Structural and magnetic properties of Er doped GaN. , 0, , .		0