Tetsuya Nakamura

List of Publications by Year
in descending order

181	4,201	109264 35	149623 56
papers	citations	h-index	g-index

182	182	182	5037
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Soft X-ray absorption spectroscopy and magnetic circular dichroism under pulsed high magnetic field of Ni-Co-Mn-In metamagnetic shape memory alloy. Journal of Alloys and Compounds, 2022, 890, 161590.	2.8	2
2	Magnetic Domain Structure Observation for Initial Magnetization and Demagnetization Processes of a Nd-Fe-B Hot-Deformed Magnet Using Soft X-ray Magnetic Circular Dichroism Microscopy. Nippon Kinzoku Gakkaishi/Journal of the Japan Institute of Metals, 2022, 86, 1-7.	0.2	2
3	Magnetic refrigeration material operating at a full temperature range required for hydrogen liquefaction. Nature Communications, 2022, 13, 1817.	5.8	64
4	Control of perpendicular magnetic anisotropy at the Fe/MgO interface by phthalocyanine insertion. Physical Review B, 2022, 105, .	1.1	6
5	Synthesis of superparamagnetic Coâ€“Pt nanoparticle in Pyrococcus furiosus virus-like particle crystal. Journal of Physics and Chemistry of Solids, 2022, 169, 110840.	1.9	1
6	Relationship between the microstructure, local magnetism and coercivity in Ga-containing Nd-Fe-B sintered magnets. Acta Materialia, 2021, 205, 116517.	3.8	24
7	Element-specific field-induced spin reorientation and tetracritical point in <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:msub><mml:mi>MnCr</mml:mi><mml:mn>2</mml:mn></ mathvariant="normal">S</mml:mi><mml:mn>4</mml:mn></mml:msub></mml:mrow></mml:math>. Physical Review B, 2021, 103, .	1.1	8
8	Presence of X-Ray Magnetic Circular Dichroism Signal for Zero-Magnetization Antiferromagnetic State. Physical Review Letters, 2021, 126, 157402.	2.9	8
9	Phase relations and extrinsic magnetic properties of Smâ€“(Fe,Co)â€“Tiâ€“(Ga)-based alloys for ThMn12-type permanent magnets. Journal of Magnetism and Magnetic Materials, 2021, 529, 167866.	1.0	15
10	Alignment and Angular Dependences of Coercivity for (Sm, Ce)₂(Co, Fe, Cu,) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 5	0.4	0
11	High-field soft-x-ray dichroism of a hard ferrimagnet with easy-plane anisotropy. Physical Review B, 2021, 104, .	1.1	2
12	Diagram of constituent crystalline phases in a Ndâ€“Feâ€“Bâ€“Cu sintered magnet by in-situ high-temperature synchrotron X-ray diffraction and its thermodynamic interpretation. Journal of Alloys and Compounds, 2021, 892, 162188.	2.8	2
13	X-ray study of ferroic octupole order producing anomalous Hall effect. Nature Communications, 2021, 12, 5582.	5.8	10
14	Effect of hydrogenation-disproportionation-desorption-recombination powder processing on the demagnetization process of Nd-Fe-B sintered magnets analyzed by soft X-ray magnetic circular dichroism microscopy. Journal of Magnetism and Magnetic Materials, 2021, 538, 168308.	1.0	0
15	Time-resolved imaging of an operating hard-disk-drive write head using nano-beam x-ray magnetic circular dichroism. Journal of Applied Physics, 2020, 128, 133903.	1.1	3
16	Voltage-controlled magnetic anisotropy in an ultrathin nickel film studied by operando x-ray magnetic circular dichroism spectroscopy. Physical Review B, 2020, 102, .	1.1	5
17	Magnetization reversal of (Sm, Ce)2(Co, Fe, Cu, Zr)17 magnets as per soft x-ray magnetic circular dichroism microscopy. Applied Physics Letters, 2020, 117, 022409.	1.5	1
18	Orbital-dependent electric field effect on magnetism in ultrathin cobalt. Physical Review B, 2020, 102, .	1.1	3

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19	Bulk and element-specific magnetism of medium-entropy and high-entropy Cantor-Wu alloys. Physical Review B, 2020, 102, .	1.1	18
20	Robust magnetic domain of Pt/Co/Au/Cr2O3/Pt stacked films with a perpendicular exchange bias. Journal of Applied Physics, 2020, 127, 153902.	1.1	3
21	Element- and orbital-selective magnetic coherent rotation at the first-order phase transition of a hard uniaxial ferrimagnet. Physical Review B, 2020, 101, .	1.1	3
22	Giant Anomalous Hall Conductivity at the <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline" overflow="scroll"><mml:mi>Pt</mml:mi><mml:mo>/</mml:mo><mml:mi>Cr</mml:mi></mml:math> ₂ O ₃ Interface. Physical Review Applied, 2020, 13, .	1.5	14
23	Imaging of transient magnetization dynamics of Co/Pt multilayer dots with X-ray magnetic circular dichroism excited by microwaves. Japanese Journal of Applied Physics, 2020, 59, SEED03.	0.8	0
24	Critical behavior of perpendicular exchange bias in Ru/Pd/Co/Pt/Cr2O3/Pd stacked films. Physica B: Condensed Matter, 2020, 583, 412053.	1.3	1
25	Magnetization manipulation induced by nonlocal spin injection from a perpendicular spin polarizer: nano-beam X-ray MCD study using an order-sorting-aperture collection method. Applied Physics Express, 2020, 13, 043002.	1.1	4
26	Magnetic Microscopy Using a Circularly Polarized Hard-X-ray Nanoprobe at SPring-8. Synchrotron Radiation News, 2020, 33, 4-11.	0.2	8
27	Effects of texture on lattice constants of Nd2Fe14B and their relationship with internal stress in Nd-Fe-B permanent magnets. Physical Review Materials, 2020, 4, .	0.9	2
28	Temperature dependent magnetization reversal process of a Ga-doped Nd-Fe-B sintered magnet based on first-order reversal curve analysis. Acta Materialia, 2019, 178, 90-98.	3.8	26
29	GdFe_{0.8}Ni_{0.2}O₃: A Multiferroic Material for Low-Power Spintronic Devices with High Storage Capacity. ACS Applied Materials & Interfaces, 2019, 11, 31562-31572.	4.0	25
30	Electron-Transfer Activity in a Cyanide-Bridged Fe₄₂ Nanomagnet. Inorganic Chemistry, 2019, 58, 10160-10166.	1.9	11
31	Quantitative identification of constituent phases in a Nd-Fe-B-Cu sintered magnet and temperature dependent change of electron density of Nd2Fe14B studied by synchrotron X-ray diffraction. Acta Materialia, 2019, 181, 530-536.	3.8	13
32	Change in chemical bonding state by thermal treatment in MgO-based magnetic tunnel junction observed by angle-resolved hard X-ray photoelectron spectroscopy. Journal of Applied Physics, 2019, 125, .	1.1	6
33	Observation of orbital angular momentum in the chiral magnet <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:msub><mml:mi>CrNb</mml:mi><mml:mn>3</mml:mn></mml:msub><mml:msub><mml:mi mathvariant="normal">S</mml:mi><mml:mn>6</mml:mn></mml:msub></mml:math> by soft x-ray magnetic circular dichroism. Physical Review B, 2019, 99, .	1.1	22
34	Microscopic origin of large perpendicular magnetic anisotropy in an FeIr/MgO system. Physical Review B, 2019, 99, .	1.1	4
35	Role of Ga on the high coercivity of Nd-rich Ga-doped Nd-Fe-B sintered magnet. Journal of Alloys and Compounds, 2019, 790, 750-759.	2.8	52
36	Enhanced spinâ€“orbit torque via interface engineering in Pt/CoFeB/MgO heterostructures. APL Materials, 2019, 7, .	2.2	48

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37	Influence of magnetostriction on the lattice constants of the secondary phases in Nd-Fe-B sintered magnets studied by synchrotron X-ray diffraction. AIP Advances, 2019, 9, .	0.6	4
38	Perpendicular magnetic anisotropy and its electric-field-induced change at metal-dielectric interfaces. Journal Physics D: Applied Physics, 2019, 52, 063001.	1.3	47
39	Impact of carbon segregant on microstructure and magnetic properties of FePt-C nanogranular films on MgO (001) substrate. Acta Materialia, 2019, 166, 413-423.	3.8	28
40	First-order reversal curve analysis of a Nd-Fe-B sintered magnet with soft X-ray magnetic circular dichroism microscopy. Acta Materialia, 2019, 162, 1-9.	3.8	26
41	Angular dependence of coercivity derived from alignment dependence of coercivity in Nd-Fe-B sintered magnets. AIP Advances, 2018, 8, 015226.	0.6	6
42	Inserted metals for low-energy magnetoelectric switching in a Cr₂O₃/ferromagnet interfacial exchange-biased thin film system. Journal of Materials Chemistry C, 2018, 6, 2962-2969.	2.7	12
43	Geometrical protection of topological magnetic solitons in microprocessed chiral magnets. Physical Review B, 2018, 97, .	1.1	27
44	Angular dependence of coercivity in isotropically aligned Nd-Fe-B sintered magnets. AIP Advances, 2018, 8, 056236.	0.6	4
45	Electric field effect on magnetism in a MgO/Pd/Co system with a solid-state capacitor structure. AIP Advances, 2018, 8, 115122.	0.6	4
46	Antiferromagnetic domain wall creep driven by magnetoelectric effect. APL Materials, 2018, 6, 121104.	2.2	9
47	Observation of the magnetoelectric reversal process of the antiferromagnetic domain. Applied Physics Letters, 2018, 113, 242404.	1.5	17
48	Manipulation of Antiferromagnetic Spin Using Tunable Parasitic Magnetization in Magnetoelectric Antiferromagnet. Physica Status Solidi - Rapid Research Letters, 2018, 12, 1800366.	1.2	10
49	Temperature dependence of the crystal structures and phase fractions of secondary phases in a Nd-Fe-B sintered magnet. Acta Materialia, 2018, 154, 25-32.	3.8	33
50	Correlation of the Dzyaloshinskiiâ€“Moriya interaction with Heisenberg exchange and orbital asphericity. Nature Communications, 2018, 9, 1648.	5.8	60
51	Unmasking the interior magnetic domain structure and evolution in Nd-Fe-B sintered magnets through high-field magnetic imaging of the fractured surface. Physical Review Materials, 2018, 2, .	0.9	23
52	Realization of a scanning soft X-ray microscope for magnetic imaging under high magnetic fields. Journal of Synchrotron Radiation, 2018, 25, 1444-1449.	1.0	35
53	Completely compensated ferrimagnetism and sublattice spin crossing in the half-metallic Heusler compound<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:msub><mml:mi>Mn</mml:mi><mml:mrow><mml:mn>1.5</mml:mn></mml:mrow></mml:msub><mml:mspace width="0.16em" /><mml:msub><mml:mi>FeV</mml:mi><mml:mrow><mml:mn>0.5</mml:mn></mml:mrow></mml:msub><mml:mspace width="0.16em" /></mml:mrow></mml:math>Al. Physical Review B, 2017, 95, .	1.1	53
54	Simultaneous achievement of high perpendicular exchange bias and low coercivity by controlling ferromagnetic/antiferromagnetic interfacial magnetic anisotropy. Journal of Applied Physics, 2017, 121, .	1.1	34

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55	Half-metallic compensated ferrimagnetism with a tunable compensation point over a wide temperature range in the Mn-Fe-V-Al Heusler system. AIP Advances, 2017, 7, .	0.6	18
56	Angle-Resolved HAXPES Investigation on the Chemical Origin of Adhesion between Natural Rubber and Brass. Langmuir, 2017, 33, 9582-9589.	1.6	13
57	Characterization of the magnetic moments of ultrathin Fe film in an external electric field via high-precision X-ray magnetic circular dichroism spectroscopy. Japanese Journal of Applied Physics, 2017, 56, 060304.	0.8	8
58	Voltage controlled interfacial magnetism through platinum orbits. Nature Communications, 2017, 8, 15848.	5.8	128
59	Electric-field-induced changes of magnetic moments and magnetocrystalline anisotropy in ultrathin cobalt films. Physical Review B, 2017, 96, .	1.1	48
60	40 T Soft X-ray Spectroscopies on Magnetic-Field-Induced Valence Transition in Eu(Rh1â^'xIrx)2Si2 (x =) Tj ETQq0 0 0 rgBT /Overlock 10	0.7	4
61	Contributions of Co and Fe orbitals to perpendicular magnetic anisotropy of MgO/CoFeB bilayers with Ta, W, IrMn, and Ti underlayers. Applied Physics Express, 2017, 10, 073006.	1.1	9
62	Optical control of magnetization dynamics in Gdâ€“Feâ€“Co films with different compositions. Applied Physics Express, 2017, 10, 103002.	1.1	4
63	Upgrade of beamline BL25SU for soft x-ray imaging and spectroscopy of solid using nano- and micro-focused beams at SPring-8. AIP Conference Proceedings, 2016, , .	0.3	33
64	Ion Irradiation-Induced Magnetic Transition of MnGa Alloy Films Studied by X-Ray Magnetic Circular Dichroism and Low-Temperature Hysteresis Loops. IEEE Transactions on Magnetics, 2016, 52, 1-4.	1.2	7
65	Evidence of Charge Transfer and Orbital Magnetic Moment in Multiferroic CuFeO₂. Journal of the Physical Society of Japan, 2016, 85, 114705.	0.7	6
66	Simultaneous magnetic and chemical imaging of Nd-Fe-B thin films by means of XMCD-PEEM technique. Journal of the Magnetics Society of Japan, 2016, 40, 87-90.	0.5	1
67	Magnetic domain evolution in Ndâ€“Feâ€“B:Cu sintered magnet visualized by scanning hard X-ray microprobe. Acta Materialia, 2016, 106, 155-161.	3.8	28
68	Mixed-valence state of Ce and its individual atomic moments in Ce2Fe14B studied by soft X-ray magnetic circular dichroism. Intermetallics, 2016, 69, 42-46.	1.8	21
69	Voltage-controlled magnetic anisotropy in Fe|MgO tunnel junctions studied by x-ray absorption spectroscopy. Applied Physics Letters, 2015, 107, .	1.5	46
70	Anisotropic X-ray magnetic circular dichroism spectra of (001) oriented L1<inf>0</inf>-MnGa film. , 2015, , .		0
71	A ferromagnetically coupled Fe42 cyanide-bridged nanocage. Nature Communications, 2015, 6, 5955.	5.8	104
72	Valence-specific magnetization of the charge-ordered multiferroelectric<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:msub><mml:mi>LuFe</mml:mi><mml:mn>2</mml:mn></mml:msub><mml:mrow><mml:math mathvariant="normal">O</mml:mi><mml:mn>4</mml:mn></mml:msub></mml:mrow></mml:math>using soft x-ray magnetic circular dichroism under 30 T pulsed high magnetic fields. Physical Review B, 2015, 91, .	1.1	5

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73	Signature of high Tc above 25â€‰K in high quality superconducting diamond. Applied Physics Letters, 2015, 106, 052601.	1.5	54
74	Magnetic dichroism study on Mn_{1.8}Co_{1.2}Ga thin film using a combination of x-ray absorption and photoemission spectroscopy. Journal Physics D: Applied Physics, 2015, 48, 164007.	1.3	9
75	Tetragonal distortion and perpendicular magnetic anisotropy of FeCo layer in the FePt/ FeCo and FePt/Cu/FeCo films. , 2015, , .		0
76	Temperature dependence of post-sintered annealing on magnetic properties of intergranular phase in Nd-Fe-B permanent magnet. Journal of Applied Physics, 2015, 117, .	1.1	10
77	Magnetoelectric switching of perpendicular exchange bias in Pt/Co/Î±-Cr2O3/Pt stacked films. Applied Physics Letters, 2015, 106, .	1.5	74
78	Ultrafast spin-switching of a ferrimagnetic alloy at room temperature traced by resonant magneto-optical Kerr effect using a seeded free electron laser. Review of Scientific Instruments, 2015, 86, 083901.	0.6	18
79	Direct observations of ferromagnetic and antiferromagnetic domains in Pt/Co/Cr₂O₃/Pt perpendicular exchange biased film. AIMS Materials Science, 2015, 2, 484-496.	0.7	21
80	Magnetic patterning of FeRh thin films by energetic light ion microbeam irradiation. Japanese Journal of Applied Physics, 2014, 53, 05FC06.	0.8	11
81	Observation and Characterization of Fragile Organometallic Molecules Encapsulated in Single-Wall Carbon Nanotubes. Journal of Nanomaterials, 2014, 2014, 1-5.	1.5	1
82	Direct observation of ferromagnetism in grain boundary phase of Nd-Fe-B sintered magnet using soft x-ray magnetic circular dichroism. Applied Physics Letters, 2014, 105, .	1.5	81
83	Mechanism of coercivity enhancement by Ag addition in FePt-C granular films for heat assisted magnetic recording media. Applied Physics Letters, 2014, 104, .	1.5	42
84	Equilibrium surface magnetization of Î±-Cr₂O₃studied through interfacial chromium magnetization in Co/Î±-Cr₂O₃layered structures. Applied Physics Express, 2014, 7, 114201.	1.1	41
85	Modifications of Structure and Magnetic Properties of ${oldsymbol {L}}{1}_{{0}}$ MnAl and MnGa Films by Kr⁺ Ion Irradiation. IEEE Transactions on Magnetics, 2014, 50, 1-7.	1.2	8
86	Observation of a giant Kerr rotation in a ferromagnetic transition metal by<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mi>M</mml:mi></mml:math>-edge resonant magneto-optic Kerr effect. Physical Review B, 2014, 89, .	1.1	15
87	In situ chemical state analysis of buried polymer/metal adhesive interface by hard X-ray photoelectron spectroscopy. Applied Surface Science, 2014, 320, 177-182.	3.1	16
88	X-ray Magnetic Circular Dichroism Investigation of the Electron Transfer Phenomena Responsible for Magnetic Switching in a Cyanide-Bridged [CoFe] Chain. Inorganic Chemistry, 2013, 52, 13956-13962.	1.9	23
89	X-ray magnetic circular dichroism photoemission electron microscopy of focused ion beam-induced magnetic patterns on ironâ€“rhodium surfaces. Nuclear Instruments & Methods in Physics Research B, 2013, 302, 51-54.	0.6	7
90	Reversible change in the oxidation state and magnetic circular dichroism of Fe driven by an electric field at the FeCo/MgO interface. Applied Physics Letters, 2013, 102, .	1.5	72

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91	xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msub><mml:mrow /><mml:mn>2</mml:mn></mml:msub></mml:math>system studied by the Faraday effect in the visible region and the x-ray magnetic circular dichroism at the Eu<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"	1.1	7
92	Observation of Micro-Magnetic Structures by Synchrotron Radiation Photoelectron Emission Microscopy. Journal of the Physical Society of Japan, 2013, 82, 021005.	0.7	12
93	Recent Progress of the X-ray Magnetic Circular Dichroism Technique for Element-Specific Magnetic Analysis. Journal of the Physical Society of Japan, 2013, 82, 021006.	0.7	22
94	Theoretical Analysis of Experimental Valence and Magnetization Data around the Field- and Temperature-Induced Valence Transitions of EuNi2(Si0.18Ge0.82)2: Unified Interpretation for the Results from Soft X-ray Absorption, Its Magnetic Circular Dichroism, and Magnetostatic Measurements. Journal of the Physical Society of Japan, 2013, 82, 044710.	0.7	1
95	Soft-X-ray Magnetic Circular Dichroism under Pulsed High Magnetic Fields at EuM_{4,5}Edges of Mixed Valence Compound EuNi₂(Si_{0.18}Ge_{0.82})₂. Journal of the Physical Society of Japan, 2012, 81, 103705.	0.7	10
96	Progress in Time-Resolved Photoemission Electron Microscopy at BL25SU, SPring-8: Radiofrequency Field Excitation of Magnetic Vortex Core Gyration. Japanese Journal of Applied Physics, 2012, 51, 128001.	0.8	6
97	High-order Ho multipoles in HoB₂C₂observed with soft resonant x-ray diffraction. Journal of Physics Condensed Matter, 2012, 24, 075602.	0.7	2
98	Three-dimensional spin orientation in antiferromagnetic domain walls of NiO studied by x-ray magnetic linear dichroism photoemission electron microscopy. Physical Review B, 2012, 85, .	1.1	39
99	Direct observation of twin domains of NiO(100) by x-ray linear dichroism at the O<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mi>K</mml:mi></mml:math>edge using photoemission electron microscopy. Physical Review B, 2012, 85, .	1.1	4
100	Detection andIn SituSwitching of Unreversed Interfacial Antiferromagnetic Spins in a Perpendicular-Exchange-Biased System. Physical Review Letters, 2012, 109, 077202.	2.9	65
101	X-ray Spectroscopies in Pulsed High Magnetic Fields: New Frontier with Flying Magnets and Rolling Capacitor Banks. Synchrotron Radiation News, 2012, 25, 12-17.	0.2	7
102	Isothermal switching of perpendicular exchange bias by pulsed high magnetic field. Applied Physics Letters, 2012, 100, 262413.	1.5	17
103	MFM and PEEM observation of micrometre-sized magnetic dot arrays fabricated by ion-microbeam irradiation in FeRh thin films. Journal of Synchrotron Radiation, 2012, 19, 223-226.	1.0	8
104	Microscopic and Spectroscopic Studies of Light-Induced Magnetization Switching of GdFeCo Facilitated by Photoemission Electron Microscopy. Japanese Journal of Applied Physics, 2012, 51, 073001.	0.8	8
105	Progress in Time-Resolved Photoemission Electron Microscopy at BL25SU, SPring-8: Radiofrequency Field Excitation of Magnetic Vortex Core Gyration. Japanese Journal of Applied Physics, 2012, 51, 128001.	0.8	7
106	An XMCD-PEEM study on magnetized Dy-doped Nd-Fe-B permanent magnets. IBM Journal of Research and Development, 2011, 55, 12:1-12:6.	3.2	8
107	Multiple phosphorus chemical sites in heavily phosphorus-doped diamond. Applied Physics Letters, 2011, 98, .	1.5	16
108	Soft X-ray Magnetic Circular Dichroism of a CoFe/MnIr Exchange Bias Film under Pulsed High Magnetic Field. Applied Physics Express, 2011, 4, 066602.	1.1	22

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109	Direct observation of spin configuration in an exchange coupled Fe/NiO(100) system by x-ray magnetic circular- and linear- dichroism photoemission electron microscope. Journal of Applied Physics, 2011, 110, 084306.	1.1	7
110	Uncompensated antiferromagnetic moments in Mn-Ir/FM (FMâ€‰=â€‰Ni-Co, Co-Fe, Fe-Ni) bilayers: Compositional dependence and its origin. Journal of Applied Physics, 2011, 110, 123920.	1.1	20
111	Dynamics of Magnetostatically Coupled Vortices Observed by Time-Resolved Photoemission Electron Microscopy. Japanese Journal of Applied Physics, 2011, 50, 053001.	0.8	9
112	Triakontadipole and high-order dysprosium multipoles in the antiferromagnetic phase of DyB2C2. Journal of Physics Condensed Matter, 2011, 23, 266002.	0.7	6
113	Magnetic state of Mn3CuN explored by soft x ray magnetic circular dichroism. Journal of Applied Physics, 2011, 110, .	1.1	10
114	Electronic, magnetic, and structural properties of the ferrimagnet Mn<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:msub><mml:mrow /><mml:mrow><mml:mn>2</mml:mn></mml:mrow></mml:msub></mml:mrow></mml:math>CoSn. Physical Review B, 2011, 83, .	1.1	48
115	Dynamics of Magnetostatically Coupled Vortices Observed by Time-Resolved Photoemission Electron Microscopy. Japanese Journal of Applied Physics, 2011, 50, 053001.	0.8	12
116	Complete Assignment of Spin Domains in Antiferromagnetic NiO(100) by Photoemission Electron Microscopy and Cluster Model Calculation. Journal of the Physical Society of Japan, 2010, 79, 013703.	0.7	10
117	Magnetic Properties of GaGdN Studied by SX-MCD and XAFS. Journal of Superconductivity and Novel Magnetism, 2010, 23, 107-109.	0.8	1
118	Linear correlation between uncompensated antiferromagnetic spins and exchange bias in Mnâ€“Ir/Co100âˆ’xFex bilayers. Applied Physics Letters, 2010, 97, 072501.	1.5	30
119	Fabrication of perpendicularly magnetized magnetic tunnel junctions with L1-CoPt/Co2MnSi hybrid electrode. Journal of Applied Physics, 2010, 107, .	1.1	23
120	Spin and orbital Ti magnetism at LaMnO3/SrTiO3 interfaces. Nature Communications, 2010, 1, 82.	5.8	156
121	Co-concentration dependence of half-metallic properties in Coâ€“Mnâ€“Si epitaxial films. Applied Physics Letters, 2010, 96, 092511.	1.5	11
122	Electronic structure ofLa1.48Nd0.4Sr0.12CuO4probed by high- and low-energy angle-resolved photoelectron spectroscopy. Physical Review B, 2009, 80, .	1.1	4
123	Spectroscopic evidence of the existence of substantialCaâ€‰3dderived states at the Fermi level in the Ca-intercalated graphite superconductorCaC6. Physical Review B, 2009, 80, .	1.1	12
124	Ferrimagnetism in epitaxially grown Mn2VAl Heusler alloy investigated by means of soft x-ray magnetic circular dichroism. Applied Physics Letters, 2009, 95, 222503.	1.5	25
125	Correlation between exchange bias field and domain size of ferromagnetic layer in Mnâ€“Ir/Coâ€“Fe bilayers. Journal of Applied Physics, 2009, 105, 07D720.	1.1	5
126	Magnetization profile in the MnIr/CoFe exchange bias system. Applied Physics Letters, 2009, 94, 232504.	1.5	16

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127	High yield synthesis and characterization of the structural and magnetic properties of crystalline ErCl3 nanowires in single-walled carbon nanotube templates. Nano Research, 2008, 1, 152-157.	5.8	48
128	Near EF electronic structure of heavily boron-doped superconducting diamond. Journal of Physics and Chemistry of Solids, 2008, 69, 2978-2981.	1.9	9
129	X-ray magnetic circular dichroism study on ferromagnetic Pd nanoparticles. Journal Physics D: Applied Physics, 2008, 41, 134024.	1.3	20
130	Magnetic and electronic Co states in the layered cobaltate<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:msub><mml:mrow><mml:mtext>GdBaCo</mml:mtext></mml:mrow><mml:mn>2</mml:mn></mml:msub><mml:mrow><mml:mtext>O</mml:mtext></mml:mrow><mml:mn>5.5</mml:mn></mml:mrow></mml:math> Physical Review B, 2008, 78, .	1.1	36
131	Element-Specific Magnetic Properties of Di-Erbium Er₂@C₈₂ and Er₂C₂@C₈₂ Metallofullerenes:â€‰ A Synchrotron Soft X-ray Magnetic Circular Dichroism Study. Journal of Physical Chemistry C, 2008, 112, 6103-6109.	1.5	30
132	Ferromagnetism and Luminescence of Diluted Magnetic Semiconductors GaGdN and AlGdN. Materials Research Society Symposia Proceedings, 2008, 1111, 1.	0.1	1
133	Itinerant ferromagnetism in the layered crystals<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:mtext>LaCoO</mml:mtext><mml:mi>X</mml:mi><mml:mspace width="0.3em" /><mml:mrow><mml:mo>(</mml:mo><mml:mrow><mml:mi>X</mml:mi><mml:mo>=</mml:mo><mml:mtext>P</mml:mtext><mml:mo>,</mml:mo></mml:mrow></mml:mrow></mml:math> Physical Review B, 2008, 77, .	1.1	138
134	Construction and development of a time-resolved x-ray magnetic circular dichroismâ€“photoelectron emission microscopy system using femtosecond laser pulses at BL25SU SPring-8. Review of Scientific Instruments, 2008, 79, 063903.	0.6	23
135	Magnetic structure of periodically meandered one-dimensional Fe nanowires. Physical Review B, 2008, 78, .	1.1	15
136	Magnetic-Domain Structure Analysis of Nd-Fe-B Sintered Magnets Using XMCD-PEEM Technique. Materials Transactions, 2008, 49, 2354-2359.	0.4	14
137	Status of the Twin Helical Undulator Soft X-ray Beamline at SPring-8: Performance for Circular Dichroism Measurements. AIP Conference Proceedings, 2007, , .	0.3	11
138	Electronic structure and magnetism of one-dimensional Fe monatomic wires on Au(788) investigated with ARPES and XMCD. Physical Review B, 2007, 75, .	1.1	15
139	Uncompensated antiferromagnetic spins at the interface in Mnâ€“Ir based exchange biased bilayers. Journal of Applied Physics, 2007, 101, 09E510.	1.1	19
140	Soft X-ray Resonant Magnetic Reflectivity Study on Induced Magnetism in [Fe₇₀Co₃₀/Pd]_nSuper-Lattice Films. Journal of Physics: Conference Series, 2007, 83, 012034.	0.3	5
141	Enhanced 1520 nm Photoluminescence from Er³⁺ Ions in Di-erbium-carbide Metallofullerenes (Er₂C₂)@C₈₂ (Isomers I, II, and III). ACS Nano, 2007, 1, 456-462.	7.3	71
142	Probing the valence band structure of<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:msub><mml:mi mathvariant="normal">Cu</mml:mi><mml:mn>2</mml:mn></mml:msub><mml:mi mathvariant="normal">O</mml:mi></mml:mrow></mml:math>using high-energy angle-resolved photoelectron spectroscopy. Physical Review B, 2007, 76, .	1.1	67
143	Degree of circular polarization of soft X-rays emitted from a multi-polarization-mode undulator characterized by means of magnetic circular dichroism measurements. Journal of Synchrotron Radiation, 2007, 14, 483-486.	1.0	37
144	Correlation between spin dependent scattering and impurity polarization in CPP-GMR spin valves with ultra thin Cu inserted Fe-Co layers. Physica Status Solidi (A) Applications and Materials Science, 2007, 204, 4033-4036.	0.8	1

#	Article	IF	Citations
145	Magnetism of the endohedral metallofullerenesM@C82(M=Gd,Dy)and the corresponding nanoscale peapods: Synchrotron soft x-ray magnetic circular dichroism and density-functional theory calculations. Physical Review B, 2007, 76, .	1.1	37
146	MCD Study on CexLa1-xNi: Difference between the â€œLocalâ€•and â€œCoherentâ€•Kondo Effect. Journal of the Physical Society of Japan, 2006, 75, 044707.	0.7	2
147	Orbital order in studied with resonant soft X-ray scattering. Physica B: Condensed Matter, 2006, 378-380, 367-368.	1.3	2
148	Soft X-ray angle-resolved photoemission spectroscopy of heavily boron-doped superconducting diamond films. Science and Technology of Advanced Materials, 2006, 7, S12-S16.	2.8	18
149	Hard X-ray Photoelectron Emission Microscopy as Tool for Studying Buried Layers. Japanese Journal of Applied Physics, 2006, 45, 1886-1888.	0.8	20
150	High-order Dy multipole motifs observed in DyB2C2with resonant soft x-ray Bragg diffraction. Journal of Physics Condensed Matter, 2006, 18, 11195-11202.	0.7	16
151	X-ray magnetic circular dichroism studies of (001)-oriented NiFeâˆ•Mn[sub 100â”x]Pt[sub x] exchange bilayers. Journal of Applied Physics, 2006, 100, 113907.	1.1	3
152	Soft x-ray magnetic circular dichroism study of Mnâ€“Irâˆ•Coâ€“Fe bilayers with giant exchange anisotropy. Applied Physics Letters, 2006, 89, 172501.	1.5	33
153	Soft X-ray magnetic circular dichroism study of Al40Mn25Fe15Ge20 decagonal quasicrystal. Nuclear Instruments & Methods in Physics Research B, 2005, 238, 251-254.	0.6	2
154	Circular dichroism measurement of soft X-ray absorption using helicity modulation of helical undulator radiation. Journal of Electron Spectroscopy and Related Phenomena, 2005, 144-147, 1101-1103.	0.8	30
155	Development of a soft X-ray magnetic circular dichroism spectrometer using a 1.9T electromagnet at BL25SU of SPring-8. Journal of Electron Spectroscopy and Related Phenomena, 2005, 144-147, 1035-1038.	0.8	62
156	Origin of the metallic properties of heavily boron-doped superconducting diamond. Nature, 2005, 438, 647-650.	13.7	244
157	-Interface effects on the magnetic moment of Co and Cu in CoCu granular alloys. Physical Review B, 2005, 72, .	1.1	22
158	Orbital Dynamics of the4fShell inDyB2C2. Physical Review Letters, 2005, 94, 036408.	2.9	11
159	Synchrotron X-ray Diffraction Studies of the Incommensurate Phase of a Spinâ€“Peierls System CuGeO3in Strong Magnetic Fields. Journal of the Physical Society of Japan, 2004, 73, 2650-2653.	0.7	3
160	Quadrupolar, structural, and magnetic ordering inDyB2C2studied by symmetry analysis and neutron diffraction. Physical Review B, 2004, 69, .	1.1	14
161	Quadrupole and hexadecapole ordering inDyB2C2:Direct observation with resonant x-ray diffraction. Physical Review B, 2004, 69, .	1.1	38
162	A Measurement System For Circular Dichroism In Soft X-ray Absorption Using Helicity Switching By Twin Helical Undulators. AIP Conference Proceedings, 2004, , .	0.3	7

#	Article	IF	Citations
163	Direct Observation of Ferromagnetic Spin Polarization in Gold Nanoparticles. Physical Review Letters, 2004, 93, 116801.	2.9	281
164	Thermal phase transition of RbMnFe(CN)6 observed by X-ray emission and absorption spectroscopy. Solid State Communications, 2003, 125, 237-241.	0.9	42
165	Lifetime-broadening-suppressed/free XANES spectroscopy by high-resolution resonant inelastic x-ray scattering. Physical Review B, 2003, 68, .	1.1	52
166	Magnetic circular dichroism of resonant x-ray emission spectroscopy for SmL3M4,5andL2M4in aSm21Co79amorphous alloy. Physical Review B, 2003, 67, .	1.1	8
167	Crystal-field levels in pure and diluted DyB 2 C 2 studied by neutron inelastic scattering technique. Europhysics Letters, 2003, 62, 251-256.	0.7	6
168	Magnetic Circular Dichroism of Resonant X-Ray Emission Spectroscopy in the Transverse Geometry. Journal of the Physical Society of Japan, 2001, 70, 1230-1232.	0.7	17
169	Magnetic circular dichroism of 3d5/2â† ' 2p3/2resonant inelastic X-ray scattering at the HoLIII-edge in Ho3Fe5O12. Journal of Synchrotron Radiation, 2001, 8, 428-430.	1.0	2
170	Magnetic Circular Dichroism of Resonant X-Ray Emission Spectroscopy in Longitudinal and Transverse Geometries. Journal of the Physical Society of Japan, 2001, 70, 3457-3463.	0.7	24
171	Magnetic circular dichroism of Gd 3dâ€“2p and 4dâ€“2p X-ray emission in ferrimagnetic Gdâ€“Co amorphous. Journal of Physics and Chemistry of Solids, 2000, 61, 453-456.	1.9	5
172	Magnetic circular dichroism of the x-ray-emission spectra for the2pâ†'1sdecay in Co metal. Physical Review B, 2000, 62, 5301-5304.	1.1	7
173	X-ray Magnetic Bragg Scattering of SmFe2. Japanese Journal of Applied Physics, 1999, 38, 440.	0.8	1
174	Evidence of antiferroquadrupolar ordering of DyB2C2. Journal of Physics Condensed Matter, 1999, 11, L505-L511.	0.7	60
175	Scattering-angle dependence of the magnetic circular dichroism of resonant inelastic X-ray scattering. Journal of Synchrotron Radiation, 1999, 6, 685-687.	1.0	2
176	Short Range Order of Spin Moments in NdCo2Studied by Magnetic EXAFS. Japanese Journal of Applied Physics, 1999, 38, 436.	0.8	2
177	Magnetic circular dichroism of lanthanoid LÎ²2,15 fluorescence spectra of magnetic lanthanoid compounds. Journal of Electron Spectroscopy and Related Phenomena, 1998, 92, 257-260.	0.8	9
178	X-ray magnetic circular dichroism of multielectron excitation by fluorescence spectroscopy. Journal of Electron Spectroscopy and Related Phenomena, 1998, 92, 261-264.	0.8	4
179	Distribution of Spin Polarization in Ferrimagnetic DyFe 2 by a Novel Analysis of Magnetic EXAFS. Journal of the Physical Society of Japan, 1998, 67, 3964-3968.	0.7	8
180	Magnetic resonance effect in x-ray resonant Raman scattering. Physical Review B, 1997, 56, R14267-R14270.	1.1	37

#	Article	IF	Citations
181	Effects of Self-Interaction Correction on Compton Profiles of Diamond and Silicon. Journal of the Physical Society of Japan, 1997, 66, 2777-2780.	0.7	6