

# Tetsuya Nakamura

## List of Publications by Year in descending order

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181  
papers

4,201  
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109264

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149623

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182  
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182  
docs citations

182  
times ranked

5037  
citing authors

#	ARTICLE	IF	CITATIONS
1	Direct Observation of Ferromagnetic Spin Polarization in Gold Nanoparticles. <i>Physical Review Letters</i> , 2004, 93, 116801.	2.9	281
2	Origin of the metallic properties of heavily boron-doped superconducting diamond. <i>Nature</i> , 2005, 438, 647-650.	13.7	244
3	Spin and orbital Ti magnetism at LaMnO <sub>3</sub> /SrTiO <sub>3</sub> interfaces. <i>Nature Communications</i> , 2010, 1, 82.	5.8	156
4	Itinerant ferromagnetism in the layered crystals $\text{LaCoO}_X$ <i>Physical Review B</i> , 2008, 77, .	1.1	138
5	Voltage controlled interfacial magnetism through platinum orbits. <i>Nature Communications</i> , 2017, 8, 15848.	5.8	128
6	A ferromagnetically coupled Fe <sub>42</sub> cyanide-bridged nanocage. <i>Nature Communications</i> , 2015, 6, 5955.	5.8	104
7	Direct observation of ferromagnetism in grain boundary phase of Nd-Fe-B sintered magnet using soft x-ray magnetic circular dichroism. <i>Applied Physics Letters</i> , 2014, 105, .	1.5	81
8	Magnetoelectric switching of perpendicular exchange bias in Pt/Co/ $\pm$ -Cr <sub>2</sub> O <sub>3</sub> /Pt stacked films. <i>Applied Physics Letters</i> , 2015, 106, .	1.5	74
9	Reversible change in the oxidation state and magnetic circular dichroism of Fe driven by an electric field at the FeCo/MgO interface. <i>Applied Physics Letters</i> , 2013, 102, .	1.5	72
10	Enhanced 1520 nm Photoluminescence from Er <sup>3+</sup> Ions in Di-erbium-carbide Metallofullerenes (Er <sub>2</sub> C <sub>2</sub> )@C <sub>82</sub> (Isomers I, II, and III). <i>ACS Nano</i> , 2007, 1, 456-462.	7.3	71
11	Probing the valence band structure of $\text{Cu}_2\text{O}$ using high-energy angle-resolved photoelectron spectroscopy. <i>Physical Review B</i> , 2007, 76, .	1.1	67
12	Detection and <i>In Situ</i> Switching of Unreversed Interfacial Antiferromagnetic Spins in a Perpendicular-Exchange-Biased System. <i>Physical Review Letters</i> , 2012, 109, 077202.	2.9	65
13	Magnetic refrigeration material operating at a full temperature range required for hydrogen liquefaction. <i>Nature Communications</i> , 2022, 13, 1817.	5.8	64
14	Development of a soft X-ray magnetic circular dichroism spectrometer using a 1.9T electromagnet at BL25SU of SPring-8. <i>Journal of Electron Spectroscopy and Related Phenomena</i> , 2005, 144-147, 1035-1038.	0.8	62
15	Evidence of antiferroquadrupolar ordering of DyB <sub>2</sub> C <sub>2</sub> . <i>Journal of Physics Condensed Matter</i> , 1999, 11, L505-L511.	0.7	60
16	Correlation of the Dzyaloshinskii-Moriya interaction with Heisenberg exchange and orbital asphericity. <i>Nature Communications</i> , 2018, 9, 1648.	5.8	60
17	Signature of high <i>T<sub>c</sub></i> above 25%K in high quality superconducting diamond. <i>Applied Physics Letters</i> , 2015, 106, 052601.	1.5	54
18	Completely compensated ferrimagnetism and sublattice spin crossing in the half-metallic Heusler compound $\text{Mn}_{1.5}\text{FeVAl}$ <i>Physical Review B</i> , 2017, 95, .	1.1	53

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19	Lifetime-broadening-suppressed/free XANES spectroscopy by high-resolution resonant inelastic x-ray scattering. <i>Physical Review B</i> , 2003, 68, .	1.1	52
20	Role of Ga on the high coercivity of Nd-rich Ga-doped Nd-Fe-B sintered magnet. <i>Journal of Alloys and Compounds</i> , 2019, 790, 750-759.	2.8	52
21	High yield synthesis and characterization of the structural and magnetic properties of crystalline ErCl <sub>3</sub> nanowires in single-walled carbon nanotube templates. <i>Nano Research</i> , 2008, 1, 152-157.	5.8	48
22	Electronic, magnetic, and structural properties of the ferrimagnet $MnCoSn$ . <i>Physical Review B</i> , 2011, 83, .	1.1	48
23	Electric-field-induced changes of magnetic moments and magnetocrystalline anisotropy in ultrathin cobalt films. <i>Physical Review B</i> , 2017, 96, .	1.1	48
24	Enhanced spin-orbit torque via interface engineering in Pt/CoFeB/MgO heterostructures. <i>APL Materials</i> , 2019, 7, .	2.2	48
25	Perpendicular magnetic anisotropy and its electric-field-induced change at metal-dielectric interfaces. <i>Journal Physics D: Applied Physics</i> , 2019, 52, 063001.	1.3	47
26	Voltage-controlled magnetic anisotropy in Fe MgO tunnel junctions studied by x-ray absorption spectroscopy. <i>Applied Physics Letters</i> , 2015, 107, .	1.5	46
27	Thermal phase transition of RbMnFe(CN) <sub>6</sub> observed by X-ray emission and absorption spectroscopy. <i>Solid State Communications</i> , 2003, 125, 237-241.	0.9	42
28	Mechanism of coercivity enhancement by Ag addition in FePt-C granular films for heat assisted magnetic recording media. <i>Applied Physics Letters</i> , 2014, 104, .	1.5	42
29	Equilibrium surface magnetization of $\text{Cr}_2\text{O}_3$ studied through interfacial chromium magnetization in $\text{Co/Cr}_2\text{O}_3$ layered structures. <i>Applied Physics Express</i> , 2014, 7, 114201.	1.1	41
30	Three-dimensional spin orientation in antiferromagnetic domain walls of NiO studied by x-ray magnetic linear dichroism photoemission electron microscopy. <i>Physical Review B</i> , 2012, 85, .	1.1	39
31	Quadrupole and hexadecapole ordering in DyB <sub>2</sub> C <sub>2</sub> : Direct observation with resonant x-ray diffraction. <i>Physical Review B</i> , 2004, 69, .	1.1	38
32	Magnetic resonance effect in x-ray resonant Raman scattering. <i>Physical Review B</i> , 1997, 56, R14267-R14270.	1.1	37
33	Degree of circular polarization of soft X-rays emitted from a multi-polarization-mode undulator characterized by means of magnetic circular dichroism measurements. <i>Journal of Synchrotron Radiation</i> , 2007, 14, 483-486.	1.0	37
34	Magnetism of the endohedral metallofullerenes $M@C_{82}(M=Gd, Dy)$ and the corresponding nanoscale peapods: Synchrotron soft x-ray magnetic circular dichroism and density-functional theory calculations. <i>Physical Review B</i> , 2007, 76, .	1.1	37
35	Magnetic and electronic Co states in the layered cobaltate $GdBaCo_2$ . <i>Physical Review B</i> , 2008, 78, .	1.1	36
36	Realization of a scanning soft X-ray microscope for magnetic imaging under high magnetic fields. <i>Journal of Synchrotron Radiation</i> , 2018, 25, 1444-1449.	1.0	35

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37	Simultaneous achievement of high perpendicular exchange bias and low coercivity by controlling ferromagnetic/antiferromagnetic interfacial magnetic anisotropy. <i>Journal of Applied Physics</i> , 2017, 121, .	1.1	34
38	Soft x-ray magnetic circular dichroism study of Mn <sup>2+</sup> /Ir <sup>2+</sup> /Co <sup>2+</sup> /Fe bilayers with giant exchange anisotropy. <i>Applied Physics Letters</i> , 2006, 89, 172501.	1.5	33
39	Upgrade of beamline BL25SU for soft x-ray imaging and spectroscopy of solid using nano- and micro-focused beams at SPring-8. <i>AIP Conference Proceedings</i> , 2016, , .	0.3	33
40	Temperature dependence of the crystal structures and phase fractions of secondary phases in a Nd-Fe-B sintered magnet. <i>Acta Materialia</i> , 2018, 154, 25-32.	3.8	33
41	Circular dichroism measurement of soft X-ray absorption using helicity modulation of helical undulator radiation. <i>Journal of Electron Spectroscopy and Related Phenomena</i> , 2005, 144-147, 1101-1103.	0.8	30
42	Element-Specific Magnetic Properties of Di-Erbium Er <sub>2</sub> @C <sub>82</sub> and Er <sub>2</sub> C <sub>2</sub> @C <sub>82</sub> Metallofullerenes: A Synchrotron Soft X-ray Magnetic Circular Dichroism Study. <i>Journal of Physical Chemistry C</i> , 2008, 112, 6103-6109.	1.5	30
43	Linear correlation between uncompensated antiferromagnetic spins and exchange bias in Mn <sup>2+</sup> /Ir/Co <sub>100</sub> xFe bilayers. <i>Applied Physics Letters</i> , 2010, 97, 072501.	1.5	30
44	Magnetic domain evolution in Nd <sup>2+</sup> /Fe <sup>2+</sup> /B:Cu sintered magnet visualized by scanning hard X-ray microprobe. <i>Acta Materialia</i> , 2016, 106, 155-161.	3.8	28
45	Impact of carbon segregant on microstructure and magnetic properties of FePt-C nanogranular films on MgO (001) substrate. <i>Acta Materialia</i> , 2019, 166, 413-423.	3.8	28
46	Geometrical protection of topological magnetic solitons in microprocessed chiral magnets. <i>Physical Review B</i> , 2018, 97, .	1.1	27
47	Temperature dependent magnetization reversal process of a Ga-doped Nd-Fe-B sintered magnet based on first-order reversal curve analysis. <i>Acta Materialia</i> , 2019, 178, 90-98.	3.8	26
48	First-order reversal curve analysis of a Nd-Fe-B sintered magnet with soft X-ray magnetic circular dichroism microscopy. <i>Acta Materialia</i> , 2019, 162, 1-9.	3.8	26
49	Ferrimagnetism in epitaxially grown Mn <sub>2</sub> VAl Heusler alloy investigated by means of soft x-ray magnetic circular dichroism. <i>Applied Physics Letters</i> , 2009, 95, 222503.	1.5	25
50	GdFe <sub>0.8</sub> Ni <sub>0.2</sub> O <sub>3</sub> : A Multiferroic Material for Low-Power Spintronic Devices with High Storage Capacity. <i>ACS Applied Materials &amp; Interfaces</i> , 2019, 11, 31562-31572.	4.0	25
51	Relationship between the microstructure, local magnetism and coercivity in Ga-containing Nd-Fe-B sintered magnets. <i>Acta Materialia</i> , 2021, 205, 116517.	3.8	24
52	Magnetic Circular Dichroism of Resonant X-Ray Emission Spectroscopy in Longitudinal and Transverse Geometries. <i>Journal of the Physical Society of Japan</i> , 2001, 70, 3457-3463.	0.7	24
53	Construction and development of a time-resolved x-ray magnetic circular dichroism photoelectron emission microscopy system using femtosecond laser pulses at BL25SU SPring-8. <i>Review of Scientific Instruments</i> , 2008, 79, 063903.	0.6	23
54	Fabrication of perpendicularly magnetized magnetic tunnel junctions with L1-CoPt/Co <sub>2</sub> MnSi hybrid electrode. <i>Journal of Applied Physics</i> , 2010, 107, .	1.1	23

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55	X-ray Magnetic Circular Dichroism Investigation of the Electron Transfer Phenomena Responsible for Magnetic Switching in a Cyanide-Bridged [CoFe] Chain. <i>Inorganic Chemistry</i> , 2013, 52, 13956-13962.	1.9	23
56	Unmasking the interior magnetic domain structure and evolution in Nd-Fe-B sintered magnets through high-field magnetic imaging of the fractured surface. <i>Physical Review Materials</i> , 2018, 2, .	0.9	23
57	-Interface effects on the magnetic moment of Co and Cu in CoCu granular alloys. <i>Physical Review B</i> , 2005, 72, .	1.1	22
58	Soft X-ray Magnetic Circular Dichroism of a CoFe/MnIr Exchange Bias Film under Pulsed High Magnetic Field. <i>Applied Physics Express</i> , 2011, 4, 066602.	1.1	22
59	Recent Progress of the X-ray Magnetic Circular Dichroism Technique for Element-Specific Magnetic Analysis. <i>Journal of the Physical Society of Japan</i> , 2013, 82, 021006.	0.7	22
60	Observation of orbital angular momentum in the chiral magnet $\text{CrNb}_3\text{S}_6$ by soft x-ray magnetic circular dichroism. <i>Physical Review B</i> , 2019, 99, .	1.1	22
61	Mixed-valence state of Ce and its individual atomic moments in $\text{Ce}_2\text{Fe}_{14}\text{B}$ studied by soft X-ray magnetic circular dichroism. <i>Intermetallics</i> , 2016, 69, 42-46.	1.8	21
62	Direct observations of ferromagnetic and antiferromagnetic domains in Pt/Co/Cr<sub>2</sub>/O<sub>3</sub>/Pt perpendicular exchange biased film. <i>AIMS Materials Science</i> , 2015, 2, 484-496.	0.7	21
63	Hard X-ray Photoelectron Emission Microscopy as Tool for Studying Buried Layers. <i>Japanese Journal of Applied Physics</i> , 2006, 45, 1886-1888.	0.8	20
64	X-ray magnetic circular dichroism study on ferromagnetic Pd nanoparticles. <i>Journal Physics D: Applied Physics</i> , 2008, 41, 134024.	1.3	20
65	Uncompensated antiferromagnetic moments in Mn-Ir/FM (FM=Ni-Co, Co-Fe, Fe-Ni) bilayers: Compositional dependence and its origin. <i>Journal of Applied Physics</i> , 2011, 110, 123920.	1.1	20
66	Uncompensated antiferromagnetic spins at the interface in Mn-Ir based exchange biased bilayers. <i>Journal of Applied Physics</i> , 2007, 101, 09E510.	1.1	19
67	Soft X-ray angle-resolved photoemission spectroscopy of heavily boron-doped superconducting diamond films. <i>Science and Technology of Advanced Materials</i> , 2006, 7, S12-S16.	2.8	18
68	Ultrafast spin-switching of a ferrimagnetic alloy at room temperature traced by resonant magneto-optical Kerr effect using a seeded free electron laser. <i>Review of Scientific Instruments</i> , 2015, 86, 083901.	0.6	18
69	Half-metallic compensated ferrimagnetism with a tunable compensation point over a wide temperature range in the Mn-Fe-V-Al Heusler system. <i>AIP Advances</i> , 2017, 7, .	0.6	18
70	Bulk and element-specific magnetism of medium-entropy and high-entropy Cantor-Wu alloys. <i>Physical Review B</i> , 2020, 102, .	1.1	18
71	Magnetic Circular Dichroism of Resonant X-Ray Emission Spectroscopy in the Transverse Geometry. <i>Journal of the Physical Society of Japan</i> , 2001, 70, 1230-1232.	0.7	17
72	Isothermal switching of perpendicular exchange bias by pulsed high magnetic field. <i>Applied Physics Letters</i> , 2012, 100, 262413.	1.5	17

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73	Observation of the magnetoelectric reversal process of the antiferromagnetic domain. Applied Physics Letters, 2018, 113, 242404.	1.5	17
74	High-order Dy multipole motifs observed in DyB <sub>2</sub> C <sub>2</sub> with resonant soft x-ray Bragg diffraction. Journal of Physics Condensed Matter, 2006, 18, 11195-11202.	0.7	16
75	Magnetization profile in the MnIr/CoFe exchange bias system. Applied Physics Letters, 2009, 94, 232504.	1.5	16
76	Multiple phosphorus chemical sites in heavily phosphorus-doped diamond. Applied Physics Letters, 2011, 98, .	1.5	16
77	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
78	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
79	Magnetic structure of periodically meandered one-dimensional Fe nanowires. Physical Review B, 2008, 78, .	1.1	15
80	Observation of a giant Kerr rotation in a ferromagnetic transition metal by $M$ -edge resonant magneto-optic Kerr effect. Physical Review B, 2014, 89, .	1.1	15
81	Phase relations and extrinsic magnetic properties of Sm <sup>2+</sup> (Fe,Co)-Ti <sup>4+</sup> (Ga)-based alloys for ThMn <sub>12</sub> -type permanent magnets. Journal of Magnetism and Magnetic Materials, 2021, 529, 167866.	1.0	15
82	Quadrupolar, structural, and magnetic ordering in DyB <sub>2</sub> C <sub>2</sub> studied by symmetry analysis and neutron diffraction. Physical Review B, 2004, 69, .	1.1	14
83	Magnetic-Domain Structure Analysis of Nd-Fe-B Sintered Magnets Using XMCD-PEEM Technique. Materials Transactions, 2008, 49, 2354-2359.	0.4	14
84	Giant Anomalous Hall Conductivity at the Pt/Cr <sub>2</sub> O <sub>3</sub> Interface. Physical Review Applied, 2020, 13, .	1.5	14
85	Angle-Resolved HAXPES Investigation on the Chemical Origin of Adhesion between Natural Rubber and Brass. Langmuir, 2017, 33, 9582-9589.	1.6	13
86	Quantitative identification of constituent phases in a Nd-Fe-B-Cu sintered magnet and temperature dependent change of electron density of Nd <sub>2</sub> Fe <sub>14</sub> B studied by synchrotron X-ray diffraction. Acta Materialia, 2019, 181, 530-536.	3.8	13
87	Spectroscopic evidence of the existence of substantial Ca <sup>3d</sup> derived states at the Fermi level in the Ca-intercalated graphite superconductor CaC <sub>6</sub> . Physical Review B, 2009, 80, .	1.1	12
88	Observation of Micro-Magnetic Structures by Synchrotron Radiation Photoelectron Emission Microscopy. Journal of the Physical Society of Japan, 2013, 82, 021005.	0.7	12
89	Inserted metals for low-energy magnetoelectric switching in a Cr <sub>2</sub> O <sub>3</sub> /ferromagnet interfacial exchange-biased thin film system. Journal of Materials Chemistry C, 2018, 6, 2962-2969.	2.7	12
90	Dynamics of Magnetostatically Coupled Vortices Observed by Time-Resolved Photoemission Electron Microscopy. Japanese Journal of Applied Physics, 2011, 50, 053001.	0.8	12

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91	Orbital Dynamics of the 4f Shell in DyB <sub>2</sub> C <sub>2</sub> . Physical Review Letters, 2005, 94, 036408.	2.9	11
92	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
93	Co-concentration dependence of half-metallic properties in Co/Mn/Si epitaxial films. Applied Physics Letters, 2010, 96, 092511.	1.5	11
94	Magnetic patterning of FeRh thin films by energetic light ion microbeam irradiation. Japanese Journal of Applied Physics, 2014, 53, 05FC06.	0.8	11
95	Electron-Transfer Activity in a Cyanide-Bridged Fe <sub>42</sub> Nanomagnet. Inorganic Chemistry, 2019, 58, 10160-10166.	1.9	11
96	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
97	Magnetic state of Mn <sub>3</sub> CuN explored by soft x ray magnetic circular dichroism. Journal of Applied Physics, 2011, 110, .	1.1	10
98	Soft-X-ray Magnetic Circular Dichroism under Pulsed High Magnetic Fields at EuM <sub>4.5</sub> Edges of Mixed Valence Compound EuNi <sub>2</sub> (Si <sub>0.18</sub> Ge <sub>0.82</sub> ) <sub>2</sub> . Journal of the Physical Society of Japan, 2012, 81, 103705.	0.7	10
99	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
100	Manipulation of Antiferromagnetic Spin Using Tunable Parasitic Magnetization in Magnetoelectric Antiferromagnet. Physica Status Solidi - Rapid Research Letters, 2018, 12, 1800366.	1.2	10
101	X-ray study of ferroic octupole order producing anomalous Hall effect. Nature Communications, 2021, 12, 5582.	5.8	10
102	Magnetic circular dichroism of lanthanoid L <sub>2,3</sub> fluorescence spectra of magnetic lanthanoid compounds. Journal of Electron Spectroscopy and Related Phenomena, 1998, 92, 257-260.	0.8	9
103	Near EF electronic structure of heavily boron-doped superconducting diamond. Journal of Physics and Chemistry of Solids, 2008, 69, 2978-2981.	1.9	9
104	Dynamics of Magnetostatically Coupled Vortices Observed by Time-Resolved Photoemission Electron Microscopy. Japanese Journal of Applied Physics, 2011, 50, 053001.	0.8	9
105	Magnetic dichroism study on Mn <sub>1.8</sub> Co <sub>1.2</sub> Ga thin film using a combination of x-ray absorption and photoemission spectroscopy. Journal Physics D: Applied Physics, 2015, 48, 164007.	1.3	9
106	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
107	Antiferromagnetic domain wall creep driven by magnetoelectric effect. APL Materials, 2018, 6, 121104.	2.2	9
108	Distribution of Spin Polarization in Ferrimagnetic DyFe <sub>2</sub> by a Novel Analysis of Magnetic EXAFS. Journal of the Physical Society of Japan, 1998, 67, 3964-3968.	0.7	8

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109	Magnetic circular dichroism of resonant x-ray emission spectroscopy for Sm <sub>1.3</sub> M <sub>4.5</sub> and L <sub>2</sub> M <sub>4</sub> in a Sm <sub>21</sub> Co <sub>79</sub> amorphous alloy. Physical Review B, 2003, 67, .	1.1	8
110	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
111	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
112	Modifications of Structure and Magnetic Properties of $\text{MnAl}$ and $\text{MnGa}$ Films by Kr <sup>+</sup> Ion Irradiation. IEEE Transactions on Magnetics, 2014, 50, 1-7.	1.2	8
113	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
114	Magnetic Microscopy Using a Circularly Polarized Hard-X-ray Nanoprobe at SPring-8. Synchrotron Radiation News, 2020, 33, 4-11.	0.2	8
115	Element-specific field-induced spin reorientation and tetracritical point in $\text{MnCr}_2\text{S}_4$ . Physical Review B, 2021, 103, .	1.1	8
116	Presence of X-Ray Magnetic Circular Dichroism Signal for Zero-Magnetization Antiferromagnetic State. Physical Review Letters, 2021, 126, 157402.	2.9	8
117	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
118	Magnetic circular dichroism of the x-ray-emission spectra for the $2p \rightarrow 1s$ decay in Co metal. Physical Review B, 2000, 62, 5301-5304.	1.1	7
119	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
120	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
121	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
122	X-ray magnetic circular dichroism photoemission electron microscopy of focused ion beam-induced magnetic patterns on iron-terminated rhodium surfaces. Nuclear Instruments & Methods in Physics Research B, 2013, 302, 51-54.	0.6	7
123	Faraday effect in amorphous oxides in the $\text{EuO-TiO}_2$ system studied by the Faraday effect in the visible region and the x-ray magnetic circular dichroism at the Eu $L_{2,3}$ edge. Physical Review B, 2013, 87, 040401.	1.1	7
124	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
125	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
126	Crystal-field levels in pure and diluted DyB <sub>2</sub> C <sub>2</sub> studied by neutron inelastic scattering technique. Europhysics Letters, 2003, 62, 251-256.	0.7	6



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127	Triakontadipole and high-order dysprosium multipoles in the antiferromagnetic phase of DyB <sub>2</sub> C <sub>2</sub> . Journal of Physics Condensed Matter, 2011, 23, 266002.	0.7	6
128	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
129	Evidence of Charge Transfer and Orbital Magnetic Moment in Multiferroic CuFeO <sub>2</sub> . Journal of the Physical Society of Japan, 2016, 85, 114705.	0.7	6
130	Angular dependence of coercivity derived from alignment dependence of coercivity in Nd-Fe-B sintered magnets. AIP Advances, 2018, 8, 015226.	0.6	6
131	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
132	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
133	Control of perpendicular magnetic anisotropy at the Fe/MgO interface by phthalocyanine insertion. Physical Review B, 2022, 105, .	1.1	6
134	Magnetic circular dichroism of Gd 3d <sup>2</sup> and 4d <sup>2</sup> X-ray emission in ferrimagnetic Gd <sup>2</sup> Co amorphous. Journal of Physics and Chemistry of Solids, 2000, 61, 453-456.	1.9	5
135	Soft X-ray Resonant Magnetic Reflectivity Study on Induced Magnetism in [Fe <sub>70</sub> Co <sub>30</sub> /Pd] <sub>n</sub> Super-Lattice Films. Journal of Physics: Conference Series, 2007, 83, 012034.	0.3	5
136	Correlation between exchange bias field and domain size of ferromagnetic layer in Mn <sup>2</sup> /Ir/Co <sup>2</sup> Fe bilayers. Journal of Applied Physics, 2009, 105, 07D720.	1.1	5
137	Valence-specific magnetization of the charge-ordered multiferroelectric LuFe <sub>2</sub> O <sub>4</sub> using soft x-ray magnetic circular dichroism under 30 T pulsed high magnetic fields. Physical Review B, 2015, 91, .	1.1	5
138	Voltage-controlled magnetic anisotropy in an ultrathin nickel film studied by <i>in operando</i> x-ray magnetic circular dichroism spectroscopy. Physical Review B, 2020, 102, .	1.1	5
139	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
140	Electronic structure of La <sub>1.48</sub> Nd <sub>0.48</sub> Sr <sub>0.12</sub> CuO <sub>4</sub> probed by high- and low-energy angle-resolved photoelectron spectroscopy. Physical Review B, 2009, 80, .	1.1	4
141	Direct observation of twin domains of NiO(100) by x-ray linear dichroism at the O K edge using photoemission electron microscopy. Physical Review B, 2012, 85, .	1.1	4
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