

Jun Okamoto

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79
papers

1,900
citations

25
h-index

42
g-index

85
ext. papers

2,076
ext. citations

3.5
avg, IF

3.66
L-index

#	Paper	IF	Citations
79	Thermally or magnetically induced polarization reversal in the Multiferroic CoCr ₂ O ₄ . <i>Physical Review Letters</i> , 2009 , 102, 067601	7.4	145
78	Characterization of magnetic components in the diluted magnetic semiconductor Zn _{1-x} Co _x O by x-ray magnetic circular dichroism. <i>Physical Review B</i> , 2005 , 72,	3.3	126
77	Direct determination of interfacial magnetic moments with a magnetic phase transition in Co nanoclusters on Au(111). <i>Physical Review Letters</i> , 2001 , 87, 257201	7.4	109
76	X-ray absorption of the negative charge-transfer material SrFe _{1-x} Co _x O ₃ . <i>Physical Review B</i> , 2002 , 65,	3.3	104
75	Electronic structure of SrRuO ₃ . <i>Physical Review B</i> , 1997 , 56, 6380-6383	3.3	93
74	Charge-orbital ordering and Verwey transition in magnetite measured by resonant soft X-ray scattering. <i>Physical Review Letters</i> , 2006 , 96, 096401	7.4	88
73	Correlation effects in the electronic structure of SrRuO ₃ . <i>Physical Review B</i> , 1999 , 60, 2281-2285	3.3	82
72	Hubbard splitting and electron correlation in the ferromagnetic metal CrO ₂ . <i>Physical Review B</i> , 1997 , 56, R15509-R15512	3.3	64
71	Amidoxime-group-containing adsorbents for metal ions synthesized by radiation-induced grafting. <i>Journal of Applied Polymer Science</i> , 1985 , 30, 2967-2977	2.9	64
70	Origin of the large polarization in multiferroic YMnO ₃ thin films revealed by soft- and hard-X-ray diffraction. <i>Physical Review Letters</i> , 2012 , 108, 047203	7.4	62
69	High-energy spectroscopic study of the III-V nitride-based diluted magnetic semiconductor Ga _{1-x} Mn _x N. <i>Physical Review B</i> , 2005 , 72,	3.3	62
68	Orbital symmetry and electron correlation in Na _x CoO ₂ . <i>Physical Review Letters</i> , 2005 , 94, 146402	7.4	62
67	Multiple helimagnetic phases and topological Hall effect in epitaxial thin films of pristine and Co-doped SrFeO ₃ . <i>Physical Review B</i> , 2013 , 88,	3.3	42
66	Close correlation between the magnetic moments, lattice distortions, and hybridization in LaMnO ₃ and La(1-x)Sr(x)MnO _{3+δ} : doping-dependent magnetic circular X-ray dichroism study. <i>Physical Review Letters</i> , 2001 , 87, 246404	7.4	42
65	Resonant elastic soft x-ray scattering in oxygen-ordered YBa ₂ Cu ₃ O _{6+δ} . <i>Physical Review B</i> , 2011 , 84,	3.3	38
64	Nature of magnetic coupling between Mn ions in As-grown Ga _{1-x} Mn _x As studied by X-ray magnetic circular dichroism. <i>Physical Review Letters</i> , 2008 , 100, 247202	7.4	38
63	Jahn-Teller distortion driven magnetic polarons in magnetite. <i>Nature Communications</i> , 2017 , 8, 15929	17.4	37

62	Nearly localized nature of f electrons in CeTl ₅ (T=Rh, Ir). <i>Physical Review B</i> , 2003 , 67,	3-3	35
61	Symmetry of multiferroicity in a frustrated magnet TbMn ₂ O ₅ . <i>Physical Review Letters</i> , 2007 , 98, 157202	7-4	31
60	Magnetic circular x-ray dichroism study of La _{1-x} Sr _x CoO ₃ . <i>Physical Review B</i> , 2000 , 62, 4455-4458	3-3	29
59	Raman and fluorescence characteristics of resonant inelastic X-ray scattering from doped superconducting cuprates. <i>Scientific Reports</i> , 2016 , 6, 19657	4-9	29
58	Multiferroic nanoregions and a memory effect in cupric oxide. <i>Physical Review B</i> , 2010 , 81,	3-3	27
57	Soft x-ray magnetic circular dichroism study of Ca _{1-x} Sr _x RuO ₃ across the ferromagnetic quantum phase transition. <i>Physical Review B</i> , 2007 , 76,	3-3	27
56	X-ray spectroscopic study of BaFeO ₃ thin films: An Fe ⁴⁺ ferromagnetic insulator. <i>Physical Review B</i> , 2015 , 91,	3-3	26
55	Doping dependence of the magnetic excitations in La _{2-x} Sr _x CuO ₄ . <i>Physical Review B</i> , 2017 , 95,	3-3	25
54	Doping Dependence of Collective Spin and Orbital Excitations in the Spin-1 Quantum Antiferromagnet La _{2-x} Sr _x NiO ₄ Observed by X Rays. <i>Physical Review Letters</i> , 2017 , 118, 156402	7-4	25
53	Magnetic ground state and transition of a quantum multiferroic LiCu ₂ O ₂ . <i>Physical Review Letters</i> , 2008 , 101, 077205	7-4	24
52	Coulomb Correlations Intertwined with Spin and Orbital Excitations in LaCoO ₃ . <i>Physical Review Letters</i> , 2017 , 119, 196402	7-4	23
51	Orbital Engineering in Nickelate Heterostructures Driven by Anisotropic Oxygen Hybridization rather than Orbital Energy Levels. <i>Physical Review Letters</i> , 2016 , 117, 147401	7-4	23
50	Antiferromagnetic-to-ferromagnetic transition induced by diluted Co in SrFe _{1-x} Co _x O ₃ : Magnetic circular x-ray dichroism study. <i>Physical Review B</i> , 2005 , 71,	3-3	22
49	Soft x-ray magnetic circular dichroism study of weakly ferromagnetic Zn _{1-x} V _x O thin film. <i>Applied Physics Letters</i> , 2007 , 90, 022510	3-4	21
48	Quasi-two-dimensional d-spin and p-hole ordering in the three-dimensional perovskite La _{1/3} Sr _{2/3} FeO ₃ . <i>Physical Review B</i> , 2010 , 82,	3-3	17
47	REXS contribution to electronic ordering investigation in solids. <i>European Physical Journal: Special Topics</i> , 2012 , 208, 89-98	2-3	16
46	High-temperature thermoelectric properties of the double-perovskite ruthenium oxide (Sr _{1-x} La _x) ₂ ErRuO ₆ . <i>Journal of Applied Physics</i> , 2012 , 112, 073714	2-5	14
45	Excitonic dispersion of the intermediate spin state in LaCoO ₃ revealed by resonant inelastic x-ray scattering. <i>Physical Review B</i> , 2018 , 98,	3-3	13

44	Soft X-ray Magnetic Circular Dichroism Study of Uranium Monochalcogenides at Uranium N _{4,5} Absorption Edges. <i>Journal of the Physical Society of Japan</i> , 2008 , 77, 024706	1.5	13
43	Magnetic and electronic states in (LaMnO ₃) ₂ (SrMnO ₃) ₂ superlattice exhibiting a large negative magnetoresistance. <i>Physical Review B</i> , 2015 , 92,	3.3	11
42	Magnetic order of LiCu ₂ O ₂ studied by resonant soft x-ray magnetic scattering. <i>Solid State Communications</i> , 2008 , 147, 234-237	1.6	11
41	Magnetic Circular X-ray Dichroism Study of Paramagnetic and Anti-Ferromagnetic States in SrFeO ₃ Using a 10-T Superconducting Magnet. <i>AIP Conference Proceedings</i> , 2004 ,	0	11
40	Pseudogap-related charge dynamics in the layered nickelate R ₂ Sr _x NiO ₄ (x~1). <i>Physical Review B</i> , 2012 , 86,	3.3	10
39	Soft X-ray Absorption Magnetic Circular Dichroism Study of Ferromagnetic Superconductor UGe ₂ . <i>Journal of the Physical Society of Japan</i> , 2006 , 75, 024704	1.5	10
38	Magnetic Circular Dichroism of X-Ray Emission for Gadolinium in 4d π Excitation Region. <i>Journal of the Physical Society of Japan</i> , 2002 , 71, 340-346	1.5	10
37	Distorted Tetrahedral Co in KH[CoWO ₄]xHO Probed by 2p3d Resonant Inelastic X-ray Scattering. <i>Inorganic Chemistry</i> , 2016 , 55, 10152-10160	5.1	10
36	Magnetic Transitions of Multiferroic Frustrated Magnets Revealed by Resonant Soft X-ray Magnetic Scattering. <i>Journal of the Physical Society of Japan</i> , 2010 , 79, 011009	1.5	9
35	Giant thermal hysteresis in Verwey transition of single domain FeO nanoparticles. <i>Scientific Reports</i> , 2018 , 8, 5092	4.9	8
34	Development of an in-vacuum diffractometer for resonant soft X-ray scattering. <i>Journal of Physics: Conference Series</i> , 2014 , 502, 012015	0.3	8
33	Surface Ordering of Orbitals at a Higher Temperature in LaCoO ₃ Thin Film. <i>Journal of the Physical Society of Japan</i> , 2016 , 85, 023704	1.5	7
32	Antiferromagnetic Order of the Co ²⁺ High-Spin State with a Large Orbital Angular Momentum in La _{1.5} Ca _{0.5} CoO ₄ . <i>Journal of the Physical Society of Japan</i> , 2014 , 83, 044705	1.5	7
31	Resonant soft X-ray scattering study of the magnetic structures in La _{1.5} Ca _{0.5} CoO ₄ using a high vacuum diffractometer with a 4-blade-slit detector system. <i>Journal of Physics: Conference Series</i> , 2013 , 425, 202003	0.3	7
30	Photoemission study of electronic structure and metal-semiconductor transition in pyrochlore-type Tl ₂ Ru ₂ O ₇ . <i>Physical Review B</i> , 2004 , 69,	3.3	7
29	Low-energy orbital excitations in strained LaCoO ₃ films. <i>Physical Review B</i> , 2019 , 100,	3.3	6
28	Diffractometer for small angle resonant soft x-ray scattering under magnetic field. <i>Journal of Physics: Conference Series</i> , 2013 , 425, 132012	0.3	6
27	X-ray magnetic circular dichroism at the U N _{4,5} edges of uranium monochalcogenides US, USe and UTe. <i>Physica B: Condensed Matter</i> , 2004 , 345, 221-224	2.8	6

26	Photoemission and core-level magnetic circular dichroism studies of diluted magnetic semiconductors. <i>Journal of Electron Spectroscopy and Related Phenomena</i> , 2005 , 144-147, 701-705	1.7	5
25	Microscopic Examinations of Co Valences and Spin States in Electron-Doped LaCoO ₃ . <i>Journal of the Physical Society of Japan</i> , 2016 , 85, 094702	1.5	5
24	Neutron magnetic scattering study in manganite thin film system. <i>Solid State Communications</i> , 2014 , 185, 18-20	1.6	4
23	Strong localization of oxidized Co state in cobalt-hexacyanoferrate. <i>Scientific Reports</i> , 2017 , 7, 16579	4.9	4
22	High-resolution soft X-ray photoemission spectroscopy of spinel-type compound CuIr ₂ S ₄ . <i>Journal of Magnetism and Magnetic Materials</i> , 2004 , 272-276, E297-E298	2.8	4
21	Angle-, field-, temperature-, and size-dependent magnetic circular X-ray dichroism in Au/Co nanoclusters/Au(111). <i>Journal of Electron Spectroscopy and Related Phenomena</i> , 2004 , 136, 107-115	1.7	4
20	Synthesis of functional polymers by radiation-induced grafting of acrolein onto polyethylene film. <i>Journal of Applied Polymer Science</i> , 1989 , 37, 2429-2438	2.9	4
19	Photoemission spectroscopy of the filled skutterudite compound YbFe ₄ Sb ₁₂ . <i>Journal of Physics Condensed Matter</i> , 2003 , 15, S2197-S2200	1.8	3
18	Simulation of Adsorption of Uranium from Seawater Using Liquid Film Mass Transfer Controlling Model. <i>Separation Science and Technology</i> , 1988 , 23, 1133-1143	2.5	3
17	Orbital correlations and dimensional crossover in epitaxial Pr _{0.5} Ca _{0.5} MnO ₃ /La _{0.5} Sr _{0.5} MnO ₃ superlattices. <i>New Journal of Physics</i> , 2014 , 16, 073044	2.9	2
16	Magnetic and electronic properties of (LaMnO ₃) ₅ (SrMnO ₃) ₅ superlattice revealed by resonant soft X-ray scattering. <i>Japanese Journal of Applied Physics</i> , 2014 , 53, 05FH07	1.4	2
15	Resonant soft X-ray magnetic scattering study of magnetic structures in La _{1.5} Ca _{0.5} CoO ₄ . <i>Journal of Electron Spectroscopy and Related Phenomena</i> , 2011 , 184, 224-226	1.7	2
14	Soft X-Ray Magnetic Circular Dichroism Study of Ferromagnetic Uranium Compounds. <i>Journal of the Physical Society of Japan</i> , 2006 , 75, 105-106	1.5	2
13	Photoemission study of CeMIn ₅ (M=Rh,Ir): nearly localized nature of f electrons. <i>Physica B: Condensed Matter</i> , 2003 , 329-333, 547-548	2.8	2
12	MAGNETIC CIRCULAR DICHROISM OF 4d π f RESONANT X-RAY EMISSION FOR GADOLINIUM AND TERBIUM. <i>Surface Review and Letters</i> , 2002 , 09, 837-841	1.1	2
11	Development of the Soft X-ray AGM-AGS RIXS beamline at the Taiwan Photon Source. <i>Journal of Synchrotron Radiation</i> , 2021 , 28, 977-986	2.4	2
10	Post-growth annealing effects on charge and spin excitations in Nd _{2-x} Ce _x CuO ₄ . <i>Physical Review Materials</i> , 2021 , 5,	3.2	2
9	Construction of a soft X-ray diffractometer with a 7.5-T superconducting magnet. <i>Journal of Physics: Conference Series</i> , 2014 , 502, 012016	0.3	1

8	Photoemission magnetic circular dichroism study of the ferromagnetic transition-metal oxide SrRuO ₃ . <i>Journal of Electron Spectroscopy and Related Phenomena</i> , 1998 , 92, 41-44	1.7	1
7	Orbital ordering of layered manganites from resonant soft X-ray scattering. <i>Journal of Magnetism and Magnetic Materials</i> , 2007 , 310, 819-821	2.8	1
6	Evolution of the electronic structure across the filling-control and bandwidth-control metal-insulator transitions in pyrochlore-type Ru oxides. <i>Physical Review B</i> , 2006 , 73,	3.3	1
5	Saturation and self-absorption effects in the angle-dependent 2p3d resonant inelastic X-ray scattering spectra of Co. <i>Journal of Synchrotron Radiation</i> , 2020 , 27, 979-987	2.4	1
4	Molecular electronic states in charge transfer complex studied by x-ray absorption spectroscopy. <i>Journal of Physics: Conference Series</i> , 2014 , 502, 012036	0.3	0
3	Charge-orbital ordering of magnetite studied by soft resonant X-ray scattering. <i>Physica B: Condensed Matter</i> , 2006 , 378-380, 565-566	2.8	
2	Orbital symmetry and electron correlation in. <i>Physica B: Condensed Matter</i> , 2006 , 378-380, 867-868	2.8	
1	Fortune is Unpredictable and Changeable, Especially for Soft X-ray Synchrotron Radiation Researcher. <i>Vacuum and Surface Science</i> , 2019 , 62, 108-109	0	