

Jobu Matsuno

List of Publications by Year in descending order

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papers

2,613
citations

257450

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all docs

54
docs citations

54
times ranked

3706
citing authors

#	ARTICLE	IF	CITATIONS
1	Interface-driven topological Hall effect in SrRuO ₃ -SrIrO ₃ bilayer. Science Advances, 2016, 2, e1600304.	10.3	360
2	Fermi-level-dependent charge-to-spin current conversion by Dirac surface states of topological insulators. Nature Physics, 2016, 12, 1027-1031.	16.7	307
3	Momentum-resolved electronic excitations in the Mott insulator Sr ₂ IrO ₇ in the Paramagnetic State of the Spin-Orbital Mott Insulator. Physical Review Letters, 2015, 114, 247209.	7.8	156
4	Engineering a Spin-Orbital Magnetic Insulator by Tailoring Superlattices. Physical Review Letters, 2015, 114, 247209.	7.8	156
5	Electric-field control of anomalous and topological Hall effects in oxide bilayer thin films. Nature Communications, 2018, 9, 213.	12.8	152
6	Metallic Ferromagnet with Square-Lattice CoO ₂ Sheets. Physical Review Letters, 2004, 93, 167202.	7.8	108
7	5d iridium oxide as a material for spin-current detection. Nature Communications, 2013, 4, 2893.	12.8	104
8	Photoemission study of the metal-insulator transition in CuIr ₂ S ₄ . Physical Review B, 1997, 55, R15979-R15982.	3.2	88
9	Variation of the Electronic Structure in Systematically Synthesized Sr ₂ MO ₄ (M=Ti, V, Cr, Mn, and Co). Physical Review Letters, 2005, 95, 176404.	7.8	84
10	Chemical potential shift in Nd _{2-x} Ce _x CuO ₄ : Contrasting behavior between the electron- and hole-doped cuprates. Physical Review B, 2001, 64, .	3.2	81
11	Momentum-resolved electronic excitations in the Mott insulator Sr ₂ IrO ₇ by resonant inelastic x-ray scattering. Physical Review B, 2011, 83, .	7.3	73
12	Different routes to charge disproportionation in perovskite-type Fe oxides. Physical Review B, 2002, 66, .	3.2	67
13	Anomalous Metallic State in the Vicinity of Metal to Valence-Bond Solid Insulator Transition in La _{1-x} Sr _x FeO ₃ . Physical Review Letters, 2009, 103, 146405.	7.8	65
14	Electronic structure of spinel-type LiV ₂ O ₄ . Physical Review B, 1999, 60, 1607-1610.	3.2	61
15	Photoemission and Hartree-Fock studies of oxygen-hole ordering in charge-disproportionated La _{1-x} Sr _x FeO ₃ . Physical Review B, 1999, 60, 4605-4608.	3.2	61
16	Soft x-ray magnetic circular dichroism study of the ferromagnetic spinel-type Cr chalcogenides. Physical Review B, 2001, 63, .	3.2	57
17	Core-level photoemission measurements of the chemical potential shift as a probe of correlated electron systems. Journal of Electron Spectroscopy and Related Phenomena, 2002, 124, 127-138.	1.7	51
18	Fermi level shift in La _{1-x} Sr _x MO ₃ (M=Mn, Fe, Co, and Ni) probed by Schottky-like heteroepitaxial junctions with SrTi _{0.99} Nb _{0.01} O ₃ . Applied Physics Letters, 2007, 90, 252102.	3.3	46

#	ARTICLE	IF	CITATIONS
19	Local structure anomaly around Ge dopants in Mn ₃ Cu _{0.7} Ge _{0.3} N with negative thermal expansion. Applied Physics Letters, 2009, 94, 181904.	3.3	43
20	Chemical potential shift in La _{1-x} Sr _x MnO ₃ : Photoemission test of the phase separation scenario. Europhysics Letters, 2002, 59, 252-257.	2.0	38
21	Fabrication of (111)-oriented Ca _{0.5} Sr _{0.5} IrO ₃ /SrTiO ₃ superlattices—A designed playground for honeycomb physics. APL Materials, 2015, 3, .	5.1	37
22	Angle-resolved photoemission and band-structure results for linear chain TlGaTe ₂ . Physical Review B, 2001, 64, .	3.2	35
23	Epitaxially stabilized iridium spinel oxide without cations in the tetrahedral site. Applied Physics Letters, 2010, 96, .	3.3	28
24	Sr ₂ VO ₄ and Ba ₂ VO ₄ under pressure: An orbital switch and potential d ₁ superconductor. Physical Review B, 2007, 75, .	3.2	27
25	Semimetallic transport properties of epitaxially stabilized perovskite CaIrO ₃ films. Applied Physics Letters, 2015, 107, .	3.3	25
26	X-ray emission and photoelectron spectra of Pr _{0.5} Sr _{0.5} MnO ₃ . Physical Review B, 1999, 59, 12799-12806.	3.2	24
27	Molecular beam epitaxy of three-dimensionally thick Dirac semimetal Cd ₃ As ₂ films. APL Materials, 2019, 7, .	5.1	24
28	Synthesis and electronic structure of epitaxially stabilized Sr _{2-2x} LaxVO ₄ (0 ≤ x ≤ 1) thin films. Applied Physics Letters, 2003, 82, 194-196.	3.3	23
29	Manipulation of electronic structure via alteration of local orbital environment in $\text{Ca}_{1-x}\text{Sr}_x\text{VO}_4$		

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37	Origin and distribution of charge carriers in $\text{LaAlO}_3/\text{SrTiO}_3$ oxide heterostructures in the high carrier density limit. <i>Physical Review B</i> , 2016, 93, .	3.2	12
38	All-in-all-out magnetic domain inversion in TbMn_2O_7 with molecular fields antiparallel to external fields. <i>Physical Review Materials</i> , 2018, 2, .	2.4	12
39	Novel metallic ferromagnet Sr_2CoO_4 . <i>Thin Solid Films</i> , 2005, 486, 113-116.	1.8	11
40	Soft X-ray magnetic circular dichroism study of the ferromagnetic spinel-type Cr chalcogenides. <i>Journal of Electron Spectroscopy and Related Phenomena</i> , 2001, 114-116, 789-793.	1.7	8
41	Sr_2TMO_3 (TM=Ni, Co) Compounds with 1D TM^{2+} O Chains. <i>Advanced Materials</i> , 2006, 18, 2541-2544. 21.0	21.0	7
42	Effects of Charge Disproportionation on the Phonon Density of States in Fe Perovskites. <i>Journal of the Physical Society of Japan</i> , 2004, 73, 2768-2770.	1.6	5
43	Enhancement of Incoherent Elastic Scattering with Magnetic Ordering in the Energy Spectra of Nuclear Resonant Scattering. <i>Journal of the Physical Society of Japan</i> , 2004, 73, 1669-1672.	1.6	5
44	Design of a $d_{x^2-y^2}$ -analogue of cuprates: Sr_2VO_4 and Ba_2VO_4 under pressure. <i>Journal of Physics Condensed Matter</i> , 2007, 19, 365204.	1.8	5
45	Visualizing ferroic domains in an all-in-all-out antiferromagnet thin film. <i>Physical Review B</i> , 2017, 96, .	3.2	5
46	Spin-orbit torque generation in bilayers composed of CoFeB and epitaxial SrIrO_3 grown on an orthorhombic DyScO_3 substrate. <i>Applied Physics Letters</i> , 2022, 121, .	3.3	5
47	Electronic structure of the heavy-fermion systems LiV_2O_4 . <i>Physica B: Condensed Matter</i> , 2000, 281-282, 28-29.	2.7	4
48	Ferromagnetic ratchet superlattice with a broken inversion symmetry. <i>Physical Review B</i> , 2007, 75, .	3.2	4
49	Enhancement of the Jahn-Teller distortion by magnetization in manganites. <i>Applied Physics Letters</i> , 2012, 100, .	3.3	4
50	Stacking-Order Effect on Spin-Orbit Torque, Spin Hall Magnetoresistance, and Magnetic Anisotropy in $\text{Ni}_8\text{S}_8\text{Te}_8/\text{Ni}_8\text{S}_8\text{Te}_8$ Bilayers. <i>Physical Review Applied</i> , 2021, 16, .	3.5	4
51	Interface properties of superlattices with artificially broken symmetry. <i>Journal of Magnetism and Magnetic Materials</i> , 2007, 310, 2204-2206.	2.3	3
52	X-ray emission and photoelectron spectra of $\text{Pr}_{0.5}\text{Sr}_{0.5}\text{MnO}_3$. <i>Journal of Electron Spectroscopy and Related Phenomena</i> , 1999, 101-103, 793-798.	1.7	2
53	Nature of the charge carriers in $\text{LaAlO}_3/\text{SrTiO}_3$ oxide heterostructures probed using hard X-ray photoelectron spectroscopy. <i>Europhysics Letters</i> , 2018, 123, 47003.	2.0	1
54	Spin-Dependent Transport Phenomena at d -Electron Oxide Interfaces. <i>Hyomen Kagaku</i> , 2017, 38, 614-619.	0.0	0