

Satoshi Iguchi

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	Charge Ordering and d Interaction in Electron-Doped 3/4-Filling Molecular System $\text{A}_{1-x}\text{B}_x\text{BEDT-TTF}(\text{BEDT-TTF})_2\text{Rb}_2\text{Co}(\text{SCN})_4$ ($x = 0.6$). Journal of the Physical Society of Japan, 2021, 90, 074701.	1.6	1
2	Enhanced gyrotropic birefringence and natural optical activity on electromagnon resonance in a helimagnet. Nature Communications, 2021, 12, 6674.	12.8	6
3	Formation of nanoscale polarized clusters as precursors of electronic ferroelectricity probed by conductance noise spectroscopy. Physical Review B, 2020, 102, .	3.2	5
4	Lattice Dynamics Coupled to Charge and Spin Degrees of Freedom in the Molecular Dimer-Mott Insulator $\text{A}_2\text{BEDT-TTF}(\text{BEDT-TTF})_2\text{ICl}_2$. Physical Review Letters, 2019, 123, 027601.	7.8	11
5	Structural Alternation Correlated to the Conductivity Enhancement of PEDOT:PSS Films by Secondary Doping. Journal of Physical Chemistry C, 2019, 123, 13467-13471.	3.1	19
6	Critical Temperature in Bulk Ultrafine-Grained Superconductors of Nb, V, and Ta Processed by High-Pressure Torsion. Materials Transactions, 2019, 60, 1367-1376.	1.2	12
7	Low-Temperature Magnetism of Gold Nano Particles Contained in Electrochemical Sugar Recognition System. IEEE Transactions on Magnetics, 2019, 55, 1-4.	2.1	1
8	Mesoscopic 2D Charge Transport in Commonplace PEDOT:PSS Films. Advanced Electronic Materials, 2018, 4, 1700490.	5.1	36
9	Linear magnetic field dependence of the magnetodielectric effect in eutectic $\text{BaTiO}_3\text{-CoFe}_2\text{O}_4$ multiferroic material fabricated by containerless processing. Applied Physics Letters, 2018, 112, .	3.3	10
10	Electric-field-induced intradimer charge disproportionation in the dimer-Mott insulator $\text{A}_2\text{BEDT-TTF}(\text{BEDT-TTF})_2\text{ICl}_2$. Physical Review B, 2017, 95, .	3.2	6
11	Crystallization and vitrification of electrons in a glass-forming charge liquid. Science, 2017, 357, 1381-1385.	12.6	37
12	Dimer-Mott and charge-ordered insulating states in the quasi-one-dimensional organic conductors $\text{A}_2\text{BPDT-TTF}(\text{BPDT-TTF})_2\text{ICl}_2$. Physical Review B, 2017, 96, .	3.2	3
13	Magneto-thermopower in the Weak Ferromagnetic Oxide $\text{CaRu}_0.8\text{Sc}_{0.2}\text{O}_3$: An Experimental Test for the Kelvin Formula in a Magnetic Material. Journal of the Physical Society of Japan, 2017, 86, 104707.	1.6	7
14	Quantum-disordered state of magnetic and electric dipoles in an organic Mott system. Nature Communications, 2017, 8, 1821.	12.8	38
15	Uniaxial Chemical Pressure and Disorder Effects on Magnetic and Dielectric Properties of $\text{A}_2\text{BEDT-TTF}(\text{BEDT-TTF})_2\text{ICl}_2$ ($\text{A} = \text{Au}, \text{Ag}, \text{Cu}$). Journal of the Physical Society of Japan, 2015, 84, 033709.	3.2	19
16	Emergence of charge degrees of freedom under high pressure in the organic dimer-Mott insulator $\text{A}_2\text{BEDT-TTF}(\text{BEDT-TTF})_2\text{Cu}_2(\text{CN})_3$. Physical Review B, 2015, 92, .	3.2	19
17	X-ray Irradiation Effect on the Dielectric Charge Response in the Dimer-Mott Insulator $\text{A}_2\text{BEDT-TTF}(\text{BEDT-TTF})_2\text{Cu}_2(\text{CN})_3$. Journal of the Physical Society of Japan, 2015, 84, 074709.	1.6	7
18	Quantum Spin Liquid Emerging from Antiferromagnetic Order by Introducing Disorder. Physical Review Letters, 2015, 115, 077001.	7.8	61

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19	Interface-dependent magnetotransport properties for thin Pt films on ferrimagnetic Y3Fe5O12. Applied Physics Letters, 2014, 104, .	3.3	29
20	Collective excitation of a short-range charge ordering in CsZn(SCN)_2 . Physical Review B, 2014, 89, .	3.2	12
21	Dielectric Response of Multiorbital Molecular Compounds (TTM-TTP). Physical Review B, 2014, 89, .	1.6	10
22	Relaxor ferroelectricity induced by electron correlations in a molecular dimer Mott insulator. Physical Review B, 2013, 87, .	3.2	47
23	Topological Hall Effect in Pyrochlore Lattice with Varying Density of Spin Chirality. Physical Review Letters, 2012, 108, 156601.	7.8	41
24	Emergence of topological Hall effect from fanlike spin structure as modified by Dzyaloshinsky-Moriya interaction in MnP. Physical Review B, 2012, 86, .	3.2	38
25	Diffusive charge transport with strongly renormalized carrier mass in hole-doped Mott insulators (Y1-xCdx)2Mo2O7 with frustrated pyrochlore lattice. Physical Review B, 2011, 84, .	3.2	11
26	Polaronic Behavior of Photoelectron Spectra of Fe3O4 Revealed by Both Hard X-ray and Extremely Low Energy Photons. Journal of the Physical Society of Japan, 2010, 79, 064710.	1.6	14
27	Optical Probe for Anomalous Hall Resonance in Ferromagnets with Spin Chirality. Physical Review Letters, 2009, 103, 267206.	7.8	10
28	Emergence of a Diffusive Metal State with No Magnetic Order near the Mott Transition in Frustrated Pyrochlore-Type Molybdates. Physical Review Letters, 2009, 102, 136407.	7.8	35
29	Magnetic-Field-Induced Ferroelectric State in DyFeO_3 . Physical Review Letters, 2008, 101, 097205.	7.8	427
30	Topological spin textures in the helimagnet FeGe. Physical Review B, 2008, 77, .	3.2	78
31	Anomalous Nernst Effects in Pyrochlore Molybdates with Spin Chirality. Physical Review Letters, 2008, 100, 106601.	7.8	46
32	Scaling of Anomalous Hall Resistivity in $\text{Nd}_2\text{Mo}_2\text{O}_7$. Physical Review Letters, 2007, 99, 077202.	7.8	18
33	Impurity-doping-induced ferroelectricity in the frustrated antiferromagnet CuFeO_2 . Physical Review B, 2007, 75, .	3.2	162
34	Spin Lattice Coupling in Ferroelectric Spiral Magnets: Comparison between the Cases of (Tb,Dy)MnO3 and CoCr2O4. Journal of the Physical Society of Japan, 2007, 76, 023602.	1.6	33
35	Nature of the Transition between a Ferromagnetic Metal and a Spin-Glass Insulator in Pyrochlore Molybdates. Physical Review Letters, 2007, 99, 086401.	7.8	78
36	Mott-Anderson Transition Controlled by a Magnetic Field in Pyrochlore Molybdate. Physical Review Letters, 2006, 96, 116403.	7.8	24

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37	Variation of the charge dynamics in bandwidth- and filling-controlled metal-insulator transitions of pyrochlore-type molybdates. <i>Physical Review B</i> , 2006, 73, .	3.2	20
38	Magneto-optical effect induced by spin chirality of the itinerant ferromagnet $\text{Nd}_2\text{Mo}_2\text{O}_7$. <i>Physical Review B</i> , 2005, 72, .	3.2	13
39	The spin chirality induced anomalous Hall effect in pyrochlore ferromagnets. <i>Journal of Physics Condensed Matter</i> , 2004, 16, S599-S606.	1.8	11
40	Chemical control of spin chirality in $(\text{Nd}_{1-x}\text{Dy}_x)_2\text{Mo}_2\text{O}_7$. <i>Physical Review B</i> , 2004, 69, .	3.2	3
41	Raman study of the metal-insulator transition in pyrochlore Moxides. <i>Physical Review B</i> , 2004, 70, .	3.2	20
42	Charge Dynamics Near the Electron-Correlation Induced Metal-Insulator Transition in Pyrochlore-Type Molybdates. <i>Physical Review Letters</i> , 2004, 93, 266401.	7.8	39
43	Magnetic Field Induced Sign Reversal of the Anomalous Hall Effect in a Pyrochlore Ferromagnet $\text{Nd}_2\text{Mo}_2\text{O}_7$: Evidence for a Spin Chirality Mechanism. <i>Physical Review Letters</i> , 2003, 90, 257202.	7.8	71