Motoi Kimata

List of Publications by Year
in descending order

22	856	759233 12	794594 19
papers	citations	h-index	g-index

23	23	23	1266
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Magnetic and magneticÂinverse spin Hall effects in a non-collinear antiferromagnet. Nature, 2019, 565, 627-630.	27.8	252
2	Spin torque control of antiferromagnetic moments in NiO. Scientific Reports, 2018, 8, 14167.	3.3	190
3	Gapless Quantum Spin Liquid in an Organic Spin-1/2 Triangular-Lattice<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:mi>Î¹</mml:mi><mml:mo>â^'</mml:mo><mml:msub><mml:mrow><mml:mi mathvariant="normal">H</mml:mi></mml:mrow><mml:mrow><mml:mn>3</mml:mn></mml:mrow></mml:msub><mml:mo stretchy="false">(</mml:mo><mml:mtext) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 647 Td (mathvariant="bold">Cat-EDT-TTF</	7.8	140
4	Large anomalous Hall effect in L12-ordered antiferromagnetic Mn3Ir thin films. Applied Physics Letters, 2020, 116, .	3.3	41
5	Anomalous Nernst effect in a microfabricated thermoelectric element made of chiral antiferromagnet Mn3Sn. Applied Physics Letters, 2017, 111, .	3.3	38
6	Anisotropy of the Upper Critical Field in the Heavy-Fermion Superconductor UTe₂ under Pressure. Journal of the Physical Society of Japan, 2020, 89, 053707.	1.6	32
7	Vortex Dynamics and Diamagnetic Torque Signals in Two Dimensional Organic Superconductor Î»-(BETS)2GaCl4. Journal of the Physical Society of Japan, 2015, 84, 104709.	1.6	26
8	Field-Induced Superconductivity near the Superconducting Critical Pressure in UTe₂. Journal of the Physical Society of Japan, 2021, 90, 074705.	1.6	18
9	Highly nonlinear current-voltage characteristics of the organic Mott insulator<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mi>Î¹</mml:mi></mml:math>-(BEDT-TTF)<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msub><mml:mrow /><mml:mn>2</mml:mn></mml:msub></mml:math>Cu[N(CN)<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msub><mml:mrow	3.2	16
10	Orbital Effect on FFLO Phase and Energy Dissipation due to Vortex Dynamics in Magnetic-Field-Induced Superconductor Î»-(BETS)2FeCl4. Journal of the Physical Society of Japan, 2013, 82, 034715.	1.6	16
11	Charge Transport in Charge-Ordered States of Two-Dimensional Organic Conductors, Î±-(BEDT-TTF)₂I₃ and Î±'-(BEDT-TTF)₂IBr₂. Journal of the Physical Society of Japan, 2012, 81, 044703.	1.6	15
12	Magnetism and Pressure-Induced Superconductivity of Checkerboard-Type Charge-Ordered Molecular Conductor Î²-(meso-DMBEDT-TTF)2X (X = PF6 and AsF6). Crystals, 2012, 2, 1502-1513.	2.2	14
13	Pressure-induced superconductivity in EuFe<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:msub><mml:mrow /><mml:mn>2</mml:mn></mml:msub></mml:math>As<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:msub><mml:mrow /><mml:mn>2</mml:mn></mml:msub></mml:math>without a quantum critical point: Magnetotransport and upper critical field measurements under high pressure. Physical Review B, 2013, 88, .	3.2	12
14	X-ray study of ferroic octupole order producing anomalous Hall effect. Nature Communications, 2021, 12, 5582.	12.8	10
15	Distinct domain reversal mechanisms in epitaxial and polycrystalline antiferromagnetic NiO films from high-field spin Hall magnetoresistance. Applied Physics Letters, 2020, 116, 192402.	3.3	9
16	Presence of X-Ray Magnetic Circular Dichroism Signal for Zero-Magnetization Antiferromagnetic State. Physical Review Letters, 2021, 126, 157402.	7.8	8
17	Metamagnetic Transition and Its Related Magnetocapacitance Effect in Phthalocyanine-Molecular Conductor Exhibiting Giant Magnetoresistance. Journal of the Physical Society of Japan, 2013, 82, 094713.	1.6	7
18	Electrostatic Charge Carrier Injection into the Charge-Ordered Organic Material Î±-(BEDT-TTF)₂I₃. Journal of the Physical Society of Japan, 2012, 81, 073704.	1.6	4

#	Article	IF	Citations
19	Anomalous Hall Effect in Antiferromagnet EuNiGe₃ with the Rashba-type Tetragonal Structure. , 2020, , .		3
20	Extrinsic contribution to anomalous Hall effect in chiral antiferromagnetic (111)-oriented L1₂-Mn₃Ir films. Japanese Journal of Applied Physics, 0, , .	1.5	3
21	Hydrostatic and Nonhydrostatic Pressure Effects on the Pressure-Induced Iron-Based Superconductor. Review of High Pressure Science and Technology/Koatsuryoku No Kagaku To Gijutsu, 2016, 26, 27-34.	0.0	0
22	Weak Ferromagnetic Response of d Electrons and Antiferromagnetic Response of Ï€ Electrons in TPP[Mn(Pc)(CN)₂]₂ in Torque Magnetometry Experiments. Journal of the Physical Society of Japan, 2017, 86, 114709.	1.6	0