

Hiroshi Kohno

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/8550804/publications.pdf>

Version: 2024-02-01

57
papers

3,218
citations

257429

24
h-index

155644

55
g-index

58
all docs

58
docs citations

58
times ranked

2097
citing authors

#	ARTICLE	IF	CITATIONS
1	Theory of Current-Driven Domain Wall Motion: Spin Transfer versus Momentum Transfer. Physical Review Letters, 2004, 92, 086601.	7.8	832
2	Microscopic approach to current-driven domain wall dynamics. Physics Reports, 2008, 468, 213-301.	25.6	368
3	Fermi Surface and Spin Fluctuations in Extended t-J Model. Journal of the Physical Society of Japan, 1992, 61, 1886-1890.	1.6	179
4	Possible Quasi-One-Dimensional Fermi Surface in La _{2-x} Sr _x CuO ₄ . Journal of the Physical Society of Japan, 2000, 69, 332-335.	1.6	155
5	Magnetic Properties of Extended t-J Model. II. Dynamical Properties. Journal of the Physical Society of Japan, 1994, 63, 2739-2759.	1.6	154
6	Microscopic Calculation of Spin Torques in Disordered Ferromagnets. Journal of the Physical Society of Japan, 2006, 75, 113706.	1.6	154
7	Instability toward Formation of Quasi-One-Dimensional Fermi Surface in Two-Dimensional t-J Model. Journal of the Physical Society of Japan, 2000, 69, 2151-2157.	1.6	149
8	Magnetic Properties of Extended t-J Model. I. Static Properties. Journal of the Physical Society of Japan, 1993, 62, 717-730.	1.6	131
9	Giant topological Hall effect in correlated oxide thin films. Nature Physics, 2019, 15, 67-72.	16.7	111
10	Threshold Current of Domain Wall Motion under Extrinsic Pinning, \hat{I}^2 -Term and Non-Adiabaticity. Journal of the Physical Society of Japan, 2006, 75, 064708.	1.6	96
11	Spin Torque and Force due to Current for General Spin Textures. Journal of the Physical Society of Japan, 2007, 76, 054707.	1.6	84
12	Theory of Quasi-Universal Ratio of Seebeck Coefficient to Specific Heat in Zero-Temperature Limit in Correlated Metals. Journal of the Physical Society of Japan, 2005, 74, 254-258.	1.6	75
13	Spin torques and charge transport on the surface of topological insulator. Physical Review B, 2014, 89, .	3.2	53
14	Microscopic Electron Models with Exact SO(5) Symmetry. Physical Review Letters, 1998, 80, 3586-3589.	7.8	49
15	Spin Excitations of the Extended t-J Model: Neutron Scattering. Journal of the Physical Society of Japan, 1993, 62, 1455-1458.	1.6	45
16	Topological Hall Effect from Strong to Weak Coupling. Journal of the Physical Society of Japan, 2018, 87, 033705.	1.6	44
17	Theory of Domain Wall Dynamics under Current. Journal of the Physical Society of Japan, 2008, 77, 031003.	1.6	40
18	Magnetic vortex wall motion driven by spin waves. Applied Physics Letters, 2011, 98, .	3.3	40

#	ARTICLE	IF	CITATIONS
19	Acoustic spin Hall effect in strong spin-orbit metals. <i>Science Advances</i> , 2021, 7, .	10.3	36
20	Gauge Field Formulation of Adiabatic Spin Torques. <i>Journal of the Physical Society of Japan</i> , 2007, 76, 063710.	1.6	35
21	Domain-wall displacement triggered by an ac current below threshold. <i>Applied Physics Letters</i> , 2005, 86, 232504.	3.3	29
22	Magnetic Excitation of a JModel with Quasi-One-Dimensional Fermi Surface – Possible Relevance to LSCO Systems. <i>Journal of the Physical Society of Japan</i> , 2001, 70, 2733-2745.	1.6	27
23	Effects of Long-Range Coulomb Interaction on Resistivity of a Quantum Wire. <i>Journal of the Physical Society of Japan</i> , 1993, 62, 1109-1113.	1.6	26
24	Effects of Disorder on the Competition between Antiferromagnetism and Superconductivity. <i>Journal of the Physical Society of Japan</i> , 1999, 68, 1500-1503.	1.6	25
25	Dynamic Susceptibility and Phonon Anomalies in the Bilayer-JModel. <i>Journal of the Physical Society of Japan</i> , 1995, 64, 3903-3924.	1.6	24
26	Spin and charge transport induced by gauge fields in a ferromagnet. <i>Physical Review B</i> , 2011, 84, .	3.2	24
27	Weak coupling theory of topological Hall effect. <i>Physical Review B</i> , 2019, 99, .	3.2	19
28	Current-driven dynamics of coupled domain walls in a synthetic antiferromagnet. <i>Physical Review B</i> , 2014, 90, .	3.2	18
29	Effects of Vertex Corrections on the Chirality-Driven Anomalous Hall Effect. <i>Journal of the Physical Society of Japan</i> , 2014, 83, 073707.	1.6	17
30	Transport properties of Dirac ferromagnet. <i>Physical Review B</i> , 2014, 90, .	3.2	14
31	Microscopic calculation of thermally induced spin-transfer torques. <i>Physical Review B</i> , 2016, 94, .	3.2	14
32	Topological Hall effect in weakly canted antiferromagnets. <i>Physical Review B</i> , 2020, 101, .	3.2	14
33	Effects of Charge Density Modulation on Incommensurate Antiferromagnetism: Ginzburg-Landau Study. <i>Journal of the Physical Society of Japan</i> , 1999, 68, 1082-1085.	1.6	14
34	Theory of Anomalous Optical Properties of Bulk Rashba Conductor. <i>Journal of the Physical Society of Japan</i> , 2016, 85, 033701.	1.6	11
35	Theory of electromagnetic wave propagation in ferromagnetic Rashba conductor. <i>Journal of Applied Physics</i> , 2018, 123, .	2.5	11
36	Intrinsic and Extrinsic Spin Hall Effects of Dirac Electrons. <i>Journal of the Physical Society of Japan</i> , 2017, 86, 094704.	1.6	10

#	ARTICLE	IF	CITATIONS
37	Generation of Spin Current from Lattice Distortion Dynamics: Spin-Orbit Routes. Journal of the Physical Society of Japan, 2018, 87, 073706.	1.6	10
38	g-on Mean Field Theory of the t-J Model. Journal of the Physical Society of Japan, 1996, 65, 687-690.	1.6	9
39	Spintronic properties of topological surface Dirac electrons with hexagonal warping. Physical Review B, 2021, 103, .	3.2	8
40	Microscopic Theory of Spin-Wave Spin Torques Induced by Temperature Gradient. Journal of the Physical Society of Japan, 2017, 86, 063706.	1.6	7
41	Theory of Cross-correlated Electron-Magnon Transport Phenomena: Case of Magnetic Topological Insulator. Journal of the Physical Society of Japan, 2018, 87, 073709.	1.6	7
42	Persistent Current of Dirac Sea: Application to Bismuth. Journal of the Physical Society of Japan, 1992, 61, 3462-3465.	1.6	6
43	Renormalization Group Technique Applied to the Pairing Interaction of the Quasi-One-dimensional Superconductivity. Journal of the Physical Society of Japan, 2005, 74, 722-730.	1.6	5
44	Microscopic calculation of spin torques in textured antiferromagnets. Physical Review B, 2021, 103, .	3.2	5
45	Slater-Pauling behavior of interfacial magnetic properties of $\text{Pt}_{1-x}\text{Co}_x/\text{Pt}$ transition metal alloy/Pt structures. Physical Review B, 2022, 105, .	3.2	5
46	Theory of high T_c cuprates: Extended-t-J model. European Physical Journal D, 1996, 46, 3146-3150.	0.4	4
47	Extrinsic spin Hall effect in inhomogeneous systems. Physical Review B, 2020, 102, .	3.2	4
48	Magnon-drag thermoelectric transport with skyrmion structure. Applied Physics Letters, 2020, 117, 062404.	3.3	4
49	Magnetic-Field-Driven Antiferromagnetic Domain Wall Motion. Journal of the Physical Society of Japan, 2021, 90, 034702.	1.6	3
50	Anomalous Hall Coefficient in Heavy Electron Systems. Progress of Theoretical Physics, 1993, 89, 1155-1166.	2.0	3
51	Spintronics with Weyl Semimetal. JPSJ News and Comments, 2021, 18, .	0.1	3
52	Anomalous Hall effect driven by dipolar spin waves in uniform ferromagnets. Physical Review B, 2015, 92, .	3.2	2
53	Spin-orbit torques and magnetotransport of two-dimensional Dirac electrons without particle-hole symmetry. Physical Review B, 2021, 103, .	3.2	2
54	Effects of Orthorhombic Distortion on Magnetic Excitation in t-J Model. Journal of Low Temperature Physics, 2003, 131, 251-255.	1.4	1

#	ARTICLE	IF	CITATIONS
55	Calculation of Nonlocal Spin Transfer Torque. IEEE Transactions on Magnetism, 2012, 48, 4367-4370.	2.1	0
56	Current-Induced Spin-Wave Doppler Shift in Antiferromagnets. Journal of the Physical Society of Japan, 2021, 90, 103705.	1.6	0
57	THEORY OF CURRENT-DRIVEN DOMAIN WALL DYNAMICS. , 2006, , .		0