Hiroyasu Matsuura

List of Publications by Year
in descending order

24 papers	237 citations	1040056 9 h-index	996975 15 g-index
24 all docs	24 docs citations	24 times ranked	352 citing authors

#	Article	IF	Citations
1	Effect of paramagnon drag on thermoelectric transport properties: Linear response theory. Physical Review B, 2022, 105, .	3.2	2
2	Anomalous Spin Transport Properties of Gapped Dirac Electrons with Tilting. Journal of the Physical Society of Japan, 2022, 91, .	1.6	4
3	Thermoelectric transport of type-I, II, and III massless Dirac fermions in a two-dimensional lattice model. Physical Review B, 2022, 105, .	3.2	2
4	Magnetic Switching by Oxygen Adsorption in Metalâ€“Organic Framework Systems. Journal of the Physical Society of Japan, 2021, 90, 073704.	1.6	3
5	Characteristic singular behaviors of nodal-line materials emerging in orbital magnetic susceptibility and Hall conductivity. Physical Review B, 2021, 104, .	3.2	3
6	Theory of thermal conductivity of excitonic insulators. Physical Review B, 2021, 104, .	3.2	3
7	Theory of huge thermoelectric effect based on a magnon drag mechanism: Application to thin-film Heusler alloy. Physical Review B, 2021, 104, .	3.2	18
8	Disentangling Orbital Magnetic Susceptibility with Wannier Functions. Journal of the Physical Society of Japan, 2021, 90, .	1.6	0
9	Dzyaloshinskiiâ€“Moriya Interaction between Multipolar Moments in 5d1 Systems. Journal of the Physical Society of Japan, 2020, 89, 074702.	1.6	2
10	Effect of Phonon Drag on Seebeck Coefficient Based on Linear Response Theory: Application to FeSb₂. Journal of the Physical Society of Japan, 2019, 88, 074601.	1.6	33
11	Role of Velocity Field and Principal Axis of Tilted Dirac Cones in Effective Hamiltonian of Non-Coplanar Nodal Loop. Journal of the Physical Society of Japan, 2019, 88, 124704.	1.6	8
12	Face Centered Cubic SnSe as a (mathbb{Z}_{2}) Trivial Dirac Nodal Line Material. Journal of the Physical Society of Japan, 2018, 87, 073702.	1.6	9
13	New Magnetic Phases in the Chiral Magnet CsCuCl₃ under High Pressures. Journal of the Physical Society of Japan, 2018, 87, 075001.	1.6	4
14	Theory of Orbital Susceptibility in the Tight-Binding Model: Corrections to the Peierls Phase. Journal of the Physical Society of Japan, 2016, 85, 074709.	1.6	12
15	Magnetic Chirality Induced from Rudermanâ€“Kittelâ€“Kasuyaâ€“Yosida Interaction at an Interface of a Ferromagnet/Heavy Metal Heterostructure. Journal of the Physical Society of Japan, 2016, 85, 114701.	1.6	9
16	Theory of Orbital Susceptibility on Excitonic Insulator. Journal of the Physical Society of Japan, 2016, 85, 093701.	1.6	9
17	Quantum Hall Effect of Massless Dirac Fermions and Free Fermions in Hofstadterâ€™s Butterfly. Journal of the Physical Society of Japan, 2016, 85, 064712.	1.6	2
18	Deformation of the Fermi Surface and Anomalous Mass Renormalization by Critical Spin Fluctuations through Asymmetric Spinâ€“Orbit Interaction. Journal of the Physical Society of Japan, 2015, 84, 043702.	1.6	4

#	Article	IF	Citations
19	A Poor Manâ€™s Derivation of Quantum Compassâ€“Heisenberg Interaction: Superexchange Interaction in Jâ€“J Coupling Scheme. Journal of the Physical Society of Japan, 2014, 83, 093701.	1.6	11
20	Effect of Spinâ€“Orbit Interaction on (4d)³- and (5d)³-Based Transition-Metal Oxides. Journal of the Physical Society of Japan, 2013, 82, 073703.	1.6	46
21	Theory of Mechanism of Ï€â€“dInteraction in Ironâ€“Phthalocyanine. Journal of the Physical Society of Japan, 2012, 81, 104705.	1.6	3
22	Theory of Charge Kondo Effect on Pair Hopping Mechanism. Journal of the Physical Society of Japan, 2012, 81, 113705.	1.6	16
23	Theory of Defect-Induced Kondo Effect in Graphene: Numerical Renormalization Group Study. Journal of the Physical Society of Japan, 2012, 81, 063709.	1.6	32
24	Antiferromagnetic Exchange Interaction between Electrons on Degenerate LUMOs in Benzene Dianion. Journal of the Physical Society of Japan, 2012, 81, 095001.	1.6	2