

# Hiroyasu Matsuura

## List of Publications by Year in descending order

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24  
papers

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citations

1040056

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996975

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docs citations

24  
times ranked

352  
citing authors

#	ARTICLE	IF	CITATIONS
1	Effect of Spin-Orbit Interaction on (4d)- and (5d)-Based Transition-Metal Oxides. Journal of the Physical Society of Japan, 2013, 82, 073703.	1.6	46
2	Effect of Phonon Drag on Seebeck Coefficient Based on Linear Response Theory: Application to FeSb <sub>2</sub> . Journal of the Physical Society of Japan, 2019, 88, 074601.	1.6	33
3	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
4	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
5	Theory of Charge Kondo Effect on Pair Hopping Mechanism. Journal of the Physical Society of Japan, 2012, 81, 113705.	1.6	16
6	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
7	A Poor Man's Derivation of Quantum Compass-Heisenberg Interaction: Superexchange Interaction in J-J Coupling Scheme. Journal of the Physical Society of Japan, 2014, 83, 093701.	1.6	11
8	Magnetic Chirality Induced from Ruderman-Kittel-Kasuya-Yosida Interaction at an Interface of a Ferromagnet/Heavy Metal Heterostructure. Journal of the Physical Society of Japan, 2016, 85, 114701.	1.6	9
9	Theory of Orbital Susceptibility on Excitonic Insulator. Journal of the Physical Society of Japan, 2016, 85, 093701.	1.6	9
10	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
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	Deformation of the Fermi Surface and Anomalous Mass Renormalization by Critical Spin Fluctuations through Asymmetric Spin-Orbit Interaction. Journal of the Physical Society of Japan, 2015, 84, 043702.	1.6	4
13	New Magnetic Phases in the Chiral Magnet CsCuCl <sub>3</sub> under High Pressures. Journal of the Physical Society of Japan, 2018, 87, 075001.	1.6	4
14	Anomalous Spin Transport Properties of Gapped Dirac Electrons with Tilting. Journal of the Physical Society of Japan, 2022, 91, .	1.6	4
15	Theory of Mechanism of d-Interaction in Iron-Phthalocyanine. Journal of the Physical Society of Japan, 2012, 81, 104705.	1.6	3
16	Magnetic Switching by Oxygen Adsorption in Metal-Organic Framework Systems. Journal of the Physical Society of Japan, 2021, 90, 073704.	1.6	3
17	Characteristic singular behaviors of nodal-line materials emerging in orbital magnetic susceptibility and Hall conductivity. Physical Review B, 2021, 104, .	3.2	3
18	Theory of thermal conductivity of excitonic insulators. Physical Review B, 2021, 104, .	3.2	3

#	ARTICLE	IF	CITATIONS
19	Antiferromagnetic Exchange Interaction between Electrons on Degenerate LUMOs in Benzene Dianion. Journal of the Physical Society of Japan, 2012, 81, 095001.	1.6	2
20	Dzyaloshinskiiâ€Moriya Interaction between Multipolar Moments in 5d1 Systems. Journal of the Physical Society of Japan, 2020, 89, 074702.	1.6	2
21	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
22	Effect of paramagnon drag on thermoelectric transport properties: Linear response theory. Physical Review B, 2022, 105, .	3.2	2
23	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
24	Disentangling Orbital Magnetic Susceptibility with Wannier Functions. Journal of the Physical Society of Japan, 2021, 90, .	1.6	0