

Takao Morinari

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	Possible Verification of Tilted Anisotropic Dirac Cone in \hat{I}_{\pm} -(BEDT-TTF) ₂ I ₃ Using Interlayer Magnetoresistance. Journal of the Physical Society of Japan, 2009, 78, 023704.	1.6	79
2	Topological and Transport Properties of Dirac Fermions in an Antiferromagnetic Metallic Phase of Iron-Based Superconductors. Physical Review Letters, 2010, 105, 037203.	7.8	75
3	Crossover from Positive to Negative Interlayer Magnetoresistance in Multilayer Massless Dirac Fermion System with Non-Vertical Interlayer Tunneling. Journal of the Physical Society of Japan, 2010, 79, 044708.	1.6	36
4	Strongly coupled quantum criticality with a Fermi surface in two dimensions: Fractionalization of spin and charge collective modes. Physical Review B, 2002, 66, .	3.2	31
5	Modeling the Antiferromagnetic Phase in Iron Pnictides: Weakly Ordered State. Physical Review Letters, 2009, 103, 247202.	7.8	31
6	Mechanism of Dirac Point in \hat{I}_{\pm} Type Organic Conductor under Pressure. Journal of the Physical Society of Japan, 2013, 82, 023708.	1.6	26
7	Half-skyrmion picture of a single-hole-doped CuO ₂ plane. Physical Review B, 2005, 72, .	3.2	24
8	On the Possible Zero-Gap State in Organic Conductor \hat{I}_{\pm} -(BEDT-TSF) ₂ I ₃ under Pressure. Journal of the Physical Society of Japan, 2014, 83, 094701.	1.6	21
9	Composite fermion pairing theory in single-layer systems. Physical Review B, 2000, 62, 15903-15912.	3.2	16
10	Formation of a sonic horizon in isotropically expanding Bose-Einstein condensates. Physical Review A, 2007, 76, .	2.5	15
11	Composite-fermion pairing in bilayer quantum Hall systems. Physical Review B, 1999, 59, 7320-7322.	3.2	14
12	Quantum Hall Effect at Half-Filled Landau Level: Pairing of Composite Fermions. Physical Review Letters, 1998, 81, 3741-3744.	7.8	13
13	Theory of in-plane magnetoresistance in two-dimensional massless Dirac fermion system. Physical Review B, 2010, 82, .	3.2	11
14	Interaction of itinerant electrons and spin fluctuations in electron-doped cuprates. Physical Review B, 2013, 87, .	3.2	11
15	Mechanism of unconventional superconductivity induced by skyrmion excitations in two-dimensional strongly correlated electron systems. Physical Review B, 2002, 65, .	3.2	10
16	Spacetime analog of Bose-Einstein condensates: Bogoliubov-de Gennes formulation. Physical Review A, 2009, 79, .	2.5	10
17	Quantum Phase Transition in Organic Massless Dirac Fermion System \hat{I}_{\pm} -(BEDT-TTF) ₂ I ₃ under Pressure. Journal of the Physical Society of Japan, 2020, 89, 123702.	1.6	10
18	Dynamical Time-Reversal and Inversion Symmetry Breaking, Dimensional Crossover, and Chiral Anomaly in \hat{I}_{\pm} -(BEDT-TTF) ₂ I ₃ . Journal of the Physical Society of Japan, 2020, 89, 073705.	1.6	8

#	ARTICLE	IF	CITATIONS
19	Edge modes in the hierarchical fractional quantum Hall liquids with Coulomb interaction. Solid State Communications, 1996, 100, 163-167.	1.9	7
20	Pseudogap and Short-Range Antiferromagnetic Correlation Controlled Fermi Surface in Underdoped Cuprates: From Fermi Arc to Electron Pocket. Journal of the Physical Society of Japan, 2009, 78, 054708.	1.6	7
21	Tilted Dirac Cone Effect on Interlayer Magnetoresistance in $\hat{I}\pm$ -(BEDT-TTF) ₂ I ₃ . Journal of the Physical Society of Japan, 2018, 87, 045002.	1.6	7
22	Relationship between Magnetic Anisotropy below Pseudogap Temperature and Short-Range Antiferromagnetic Order in High-Temperature Cuprate Superconductor. Journal of the Physical Society of Japan, 2018, 87, 063707.	1.6	6
23	d-Wave Superconductivity Induced by Chern-Simons Term in High-TcCuprates. Journal of the Physical Society of Japan, 2001, 70, 1472-1475.	1.6	5
24	Effect of Fermi Surface Topology on Inter-Layer Magnetoresistance in Layered Multiband Systems: Application to LaFeAsO _{1-x} Fx. Journal of the Physical Society of Japan, 2009, 78, 114702.	1.6	5
25	Coexistence of Antiferromagnetism and Superconductivity in Iron-Based Superconductors. Journal of the Physical Society of Japan, 2014, 83, 094703.	1.6	5
26	Influence of Chiral Surface States on the London Penetration Depth in Sr ₂ RuO ₄ . Journal of the Physical Society of Japan, 2000, 69, 2411-2414.	1.6	4
27	Mechanism of superconductivity in a two-dimensional double-exchange system with spin-orbit coupling. Physical Review B, 2001, 64, .	3.2	4
28	Pressure effects on Dirac fermions in $\hat{I}\pm$ -(BEDT-TTF) ₂ I ₃ . Journal of Physics Condensed Matter, 2011, 23, 464202.	1.8	4
29	Topological Spin Texture Created by Zhangâ€™s Rice Singlets in Cuprate Superconductors. Journal of the Physical Society of Japan, 2012, 81, 074716.	1.6	4
30	Spin-Ordered States in Multilayer Massless Dirac Fermion Systems. Journal of the Physical Society of Japan, 2014, 83, 033702.	1.6	4
31	Theory of Spin Motive Force in One-Dimensional Antiferromagnetic Domain Wall. Journal of the Physical Society of Japan, 2015, 84, 033706.	1.6	4
32	Magnetotransport in Layered Dirac Fermion System Coupled with Magnetic Moments. Journal of the Physical Society of Japan, 2018, 87, 033706.	1.6	4
33	Unified picture of Néel order destruction, d-wave superconductivity and the pseudogap phase for highTccuprates. Superconductor Science and Technology, 2003, 16, 624-627.	3.5	3
34	EFFECTIVE THEORY FOR HIGH-TEMPERATURE SUPERCONDUCTIVITY BASED ON DUALITY AT S = 1/2 ANTIFERROMAGNETIC HEISENBERG MODEL. Modern Physics Letters B, 2005, 19, 571-579.	1.9	3
35	Dirac Fermion State with Real Space \vec{E} -Flux on Anisotropic Square Lattice and Triangular Lattice. Journal of the Physical Society of Japan, 2014, 83, 034712.	1.6	3
36	Intervalley Tunneling and Crossover from the Positive to Negative Interlayer Magnetoresistance in Quasi-Two-Dimensional Dirac Fermion System with or without Mass Gap. Journal of the Physical Society of Japan, 2021, 90, 104709.	1.6	3

#	ARTICLE	IF	CITATIONS
37	Half-Skyrmion Theory for High-Temperature Superconductivity. , 2010, , 311-331.		3
38	Tunneling effect on the composite fermion pairing state in bilayer quantum Hall systems. Physical Review B, 2002, 65, .	3.2	2
39	Induced Order in Nonequivalent Two-Leg Hubbard Ladder. Progress of Theoretical Physics, 2009, 122, 943-951.	2.0	2
40	Dirac fermions in \hat{I}_{\pm} -(BEDT-TTF) \hat{I}_{\pm} Some topological properties. Physica B: Condensed Matter, 2010, 405, S192-S194.	2.7	2
41	Enhancement of antiferromagnetic correlations below the superconducting transition temperature in bilayer superconductors. Physical Review B, 2012, 85, .	3.2	2
42	Effect of Interlayer Spin-Flip Tunneling for Interlayer Magnetoresistance in Multilayer Massless Dirac Fermion Systems. Journal of the Physical Society of Japan, 2014, 83, 083701.	1.6	2
43	Short-Range Antiferromagnetic Correlation Effect on Conduction Electrons in Two-Dimensional Strongly Correlated Electron Systems. Journal of the Physical Society of Japan, 2019, 88, 104707.	1.6	2
44	Evolution of Néel order and localized spin moment in the doped two-dimensional Hubbard model. Journal of Magnetism and Magnetic Materials, 2004, 281, 188-194.	2.3	1
45	Interlayer magnetoresistance theory for layered Dirac fermion systems: Application to \hat{I}_{\pm} -(BEDT-TTF) \hat{I}_{\pm} . Physica E: Low-Dimensional Systems and Nanostructures, 2010, 42, 763-766.		
46	Charge and spin dynamics in antiferromagnetic metallic phase of iron-based superconductors. Journal of Physics and Chemistry of Solids, 2011, 72, 315-318.	4.0	1
47	Algebraic Structure of Dirac Fermion State in \hat{I}_{\pm} -(BEDT-TTF) \hat{I}_{\pm} . Journal of the Physical Society of Japan, 2013, 82, 055002.	1.6	1
48	Destruction of Magnetic Long-Range Order by Hole-Induced Skyrmions in Two-Dimensional Heisenberg Model. Journal of the Physical Society of Japan, 2016, 85, 114702.	1.6	1
49	Anomalous high-field magnetotransport in CaFeAsF due to the quantum Hall effect. Npj Quantum Materials, 2022, 7, .	5.2	1
50	Mechanism of unconventional superconductivity in strongly correlated electron systems. Journal of Physics and Chemistry of Solids, 2002, 63, 1549-1553.	4.0	0
51	An alternative formalism for the slave particle mean field theory of the t - J model without deconfinement. Superconductor Science and Technology, 2005, 18, 1073-1076.	3.5	0
52	Fluctuation Effect in the ν -Flux State for Undoped High-Temperature Superconductors. Journal of the Physical Society of Japan, 2008, 77, 114708.	1.6	0
53	Induced order in nonequivalent two-layer system. Physica C: Superconductivity and Its Applications, 2010, 470, S921-S922.	1.2	0
54	Pressure dependence of interlayer magnetoresistance in. Physica B: Condensed Matter, 2010, 405, S157-S159.	2.7	0

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55	Plaquette chirality patterns for robust zero-gap states in d_{xy} -type organic conductor. Journal of Physics: Conference Series, 2015, 603, 012010.	0.4	0
56	Chirality effect on superconductivity. Journal of Physics: Conference Series, 2015, 603, 012007.	0.4	0
57	Anisotropic diffusion of conduction electron under antiferromagnetic spin configuration. International Journal of Modern Physics B, 2016, 30, 1650226.	2.0	0
58	Half-Skyrmion Theory for High-Temperature Superconductivity. , 2016, , 447-467.		0
59	Spin-density Wave Assisted Mott Transition at Finite Temperatures. Journal of the Physical Society of Japan, 2020, 89, 093702.	1.6	0
60	Spin-density-wave-induced metal-insulator transition in two-band Hubbard model in application to the magnetic molecular conductor $(\text{BETS})_2\text{FeCl}_4$. European Physical Journal B, 2020, 93, 1.	1.5	0