

Mitsuaki Kawamura

List of Publications by Year in descending order

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Version: 2024-02-01

27
papers

5,504
citations

687363

13
h-index

552781

26
g-index

28
all docs

28
docs citations

28
times ranked

8031
citing authors

#	ARTICLE	IF	CITATIONS
1	Advanced capabilities for materials modelling with Quantum ESPRESSO. Journal of Physics Condensed Matter, 2017, 29, 465901.	1.8	4,303
2	Dirac Fermions in Borophene. Physical Review Letters, 2017, 118, 096401.	7.8	353
3	FermiSurfer: Fermi-surface viewer providing multiple representation schemes. Computer Physics Communications, 2019, 239, 197-203.	7.5	181
4	First-principles study of the pressure and crystal-structure dependences of the superconducting transition temperature in compressed sulfur hydrides. Physical Review B, 2015, 91, .	3.2	141
5	Improved tetrahedron method for the Brillouin-zone integration applicable to response functions. Physical Review B, 2014, 89, .	3.2	92
6	Possible Kitaev Quantum Spin Liquid State in 2D Materials with S_3 Symmetry. Physical Review Letters, 2020, 124, 087205.	7.8	88
7	Quantum lattice model solver $H_{\uparrow\downarrow}$. Computer Physics Communications, 2017, 217, 180-192.	7.5	67
8	mVMC++ Open-source software for many-variable variational Monte Carlo method. Computer Physics Communications, 2019, 235, 447-462.	7.5	62
9	RESPACK: An ab initio tool for derivation of effective low-energy model of material. Computer Physics Communications, 2021, 261, 107781.	7.5	40
10	Benchmark of density functional theory for superconductors in elemental materials. Physical Review B, 2020, 101, .	3.2	25
11	Anisotropic superconducting gaps in YNi_2B_2C : A first-principles investigation. Physical Review B, 2017, 95, .	3.2	23
12	ϵ -Visible ϵ -5d Orbital States in a Pleochroic Oxychloride. Journal of the American Chemical Society, 2017, 139, 10784-10789.	13.7	21
13	GdV_6Sn_6 : A Multi-carrier Metal with Non-magnetic 3d-electron Kagome Bands and 4f-electron Magnetism. Journal of the Physical Society of Japan, 2021, 90, .	1.6	15
14	One-dimensionalization by Geometrical Frustration in the Anisotropic Triangular Lattice of the 5d Quantum Antiferromagnet $Ca_3ReO_5Cl_2$. Journal of the Physical Society of Japan, 2019, 88, 044708.	1.6	14
15	Diverse densest binary sphere packings and phase diagram. Physical Review E, 2021, 103, 023307.	2.1	12
16	Microscopic characterization of the superconducting gap function in $Sn_1Zn_1In_1$. Physical Review B, 2020, 101, .	3.2	12
17	Vapochromism induced by intermolecular electron transfer coupled with hydrogen-bond formation in zinc dithiolene complex. Journal of Materials Chemistry C, 2020, 8, 14939-14947.	5.5	11
18	Anisotropic Triangular Lattice Realized in Rhenium Oxychlorides $A_3ReO_5Cl_2$ (A = Ba, Sr). Inorganic Chemistry, 2020, 59, 10025-10033.	4.0	8

#	ARTICLE	IF	CITATIONS
19	Lattice dynamics in FeSe via inelastic x-ray scattering and first-principles calculations. Physical Review B, 2020, 101, .	3.2	7
20	DCore: Integrated DMFT software for correlated electrons. SciPost Physics, 2021, 10, .	4.9	7
21	The Simplest Model for Doped Poly(3,4-ethylenedioxythiophene) (PEDOT): Single-crystalline EDOT Dimer Radical Cation Salts. Chemistry - A European Journal, 2021, 27, 6696-6700.	3.3	6
22	Effect of spin fluctuations on superconductivity in V and Nb: A first-principles study. Physical Review B, 2020, 102, .	3.2	6
23	Methods for constructing parameter-dependent flat-band lattices. Physical Review B, 2021, 103, .	3.2	5
24	Molecular beam epitaxy of superconducting $\text{Sn}_{1-x}\text{Te}_x$ thin films. Physical Review Materials, 2020, 4, .	3.2	1
25	Open-source library for the shifted Krylov subspace method of the form $\hat{L} = \text{tr}(\hat{L}) - \frac{1}{n} \text{tr}(\hat{L})^2$. Computer Physics Communications, 2021, 258, 107536.	7.5	2
26	Scaling law for Rashba-type spin splitting in quantum-well films. Physical Review B, 2021, 104, .	3.2	1
27	The Simplest Model for Doped Poly(3,4-ethylenedioxythiophene) (PEDOT): Single-crystalline EDOT Dimer Radical Cation Salts. Chemistry - A European Journal, 2021, 27, 6597-6597.	3.3	0