Mitsuaki Kawamura

List of Publications by Year
in descending order

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	altimg="si418.svg"><mml:mi>l‰</mml:mi></mml:math> â€" Open-source library for the shifted Krylov subspace method of the form <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline" id="d1e844" altimg="si10.svg"><mml:mrow><mml:mrow><mml:mo>(</mml:mo><mml:mi>z</mml:mi><mml:mi>I</mml:mi><mml:mo>â^'</mml:mo> linebreak="goodbreak" linebreakstyle. Computer Physics Communications, 2021, 258, 107536.	7.5	2
2	Diverse densest binary sphere packings and phase diagram. Physical Review E, 2021, 103, 023307.	2.1	12
3	The Simplest Model for Doped Poly(3,4â€ethylenedioxythiophene) (PEDOT): Singleâ€crystalline EDOT Dimer Radical Cation Salts. Chemistry - A European Journal, 2021, 27, 6696-6700.	3.3	6
4	The Simplest Model for Doped Poly(3,4â€ethylenedioxythiophene) (PEDOT): Singleâ€crystalline EDOT Dimer Radical Cation Salts. Chemistry - A European Journal, 2021, 27, 6597-6597.	3.3	0
5	RESPACK: An ab initio tool for derivation of effective low-energy model of material. Computer Physics Communications, 2021, 261, 107781.	7.5	40
6	DCore: Integrated DMFT software for correlated electrons. SciPost Physics, 2021, 10, .	4.9	7
7	Methods for constructing parameter-dependent flat-band lattices. Physical Review B, 2021, 103, .	3.2	5
8	GdV₆Sn₆: 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
9	Scaling law for Rashba-type spin splitting in quantum-well films. Physical Review B, 2021, 104, .	3.2	1
10	Lattice dynamics in FeSe via inelastic x-ray scattering and first-principles calculations. Physical Review B, 2020, 101, .	3.2	7
11	Anisotropic Triangular Lattice Realized in Rhenium Oxychlorides A₃ReO₅Cl₂ (A = Ba, Sr). Inorganic Chemistry, 2020, 59, 10025-10033.	4.0	8
12	Possible Kitaev Quantum Spin Liquid State in 2D Materials with <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:mi>S</mml:mi><mml:mo>=</mml:mo><mml:mn>3</mml:mn><mml:mo>/</mml:mo><mml:mn>2< Physical Review Letters, 2020, 124, 087205.	7.8	88
13	Microscopic characterization of the superconducting gap function in <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:msub><mml:mi mathvariant="normal">Sn</mml:mi><mml:mrow><mml:mn>1</mml:mn><mml:mo>â^'</mml:mo><mml:mi>x</mml:mi></mml:mrow><mml:mi mathvariant="normal">In</mml:mi><mml:mi>x</mml:mi></mml:msub><mml:mi>Te</mml:mi></mml:math>. Physical Review B, 2020, 101, .	3.2	11
14	Benchmark of density functional theory for superconductors in elemental materials. Physical Review B, 2020, 101, .	3.2	25
15	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
16	Effect of spin fluctuations on superconductivity in V and Nb: A first-principles study. Physical Review B, 2020, 102, .	3.2	6
17	Molecular beam epitaxy of superconducting <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:msub><mml:mi>Sn</mml:mi><mml:mrow><mml:mn>1</mml:mn> thin films. Physical Review Materials, 2020, 4, .	2.4	3
18	One-dimensionalization by Geometrical Frustration in the Anisotropic Triangular Lattice of the 5d Quantum Antiferromagnet Ca₃ReO₅Cl₂. Journal of the Physical Society of Japan, 2019, 88, 044708.	1.6	14

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19	FermiSurfer: Fermi-surface viewer providing multiple representation schemes. Computer Physics Communications, 2019, 239, 197-203.	7.5	181
20	mVMCâ€”Open-source software for many-variable variational Monte Carlo method. Computer Physics Communications, 2019, 235, 447-462.	7.5	62
21	Dirac Fermions in Borophene. Physical Review Letters, 2017, 118, 096401.	7.8	353
22	Quantum lattice model solver <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" id="mml23" display="inline" overflow="scroll" altimg="si23.gif"><mml:mi mathvariant="script">H</mml:mi><mml:mi mathvariant="normal">Î¦</mml:mi></mml:math>. Computer Physics Communications, 2017, 217, 180-192.	7.5	67
23	Anisotropic superconducting gaps in<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:msub><mml:mi>YNi</mml:mi><mml:mn>2</mml:mn></mml:msub><mml:mi mathvariant="normal">B</mml:mi><mml:mn>2</mml:mn></mml:msub><mml:mi mathvariant="normal">C</mml:mi></mml:mrow></mml:math>: A first-principles investigation. Physical Review B, 2017, 95, .	3.2	23
24	Advanced capabilities for materials modelling with Quantum ESPRESSO. Journal of Physics Condensed Matter, 2017, 29, 465901.	1.8	4,303
25	â€œVisibleâ€•5d Orbital States in a Pleochroic Oxychloride. Journal of the American Chemical Society, 2017, 139, 10784-10789.	13.7	21
26	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
27	Improved tetrahedron method for the Brillouin-zone integration applicable to response functions. Physical Review B, 2014, 89, .	3.2	92