

Shiro Sakai

List of Publications by Year in descending order

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39
papers

1,149
citations

331259

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h-index

377514

34
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all docs

39
docs citations

39
times ranked

1020
citing authors

#	ARTICLE	IF	CITATIONS
1	Magnetic structures and electronic properties of cubic-pyrochlore ruthenates from first principles. Journal of Physics Condensed Matter, 2022, 34, 194003.	0.7	2
2	Hyperuniform electron distributions controlled by electron interactions in quasicrystals. Physical Review B, 2022, 105, .	1.1	6
3	Doped Mott insulator on a Penrose tiling. Physical Review B, 2022, 105, .	1.1	3
4	Fermi Surface Expansion above Critical Temperature in a Hund Ferromagnet. Physical Review Letters, 2022, 128, .	2.9	5
5	Effect of Electron-Electron Interactions on Metallic State in Quasicrystals. Materials Transactions, 2021, 62, 380-385.	0.4	11
6	Fully filling-controlled pyrochlore ruthenates: Emergent ferromagnetic-metal state and geometrical Hall effect. Physical Review B, 2021, 103, .	1.1	2
7	Observation of small Fermi pockets protected by clean CuO $\times 2$ sheets of a high- T_c superconductor. Science, 2020, 369, 833-838.	6.0	25
8	Physical properties of weak-coupling quasiperiodic superconductors. Physical Review B, 2020, 102, .	1.1	25
9	Giant thermoelectric power factor in ultrathin FeSe superconductor. Nature Communications, 2019, 10, 825.	5.8	61
10	Exotic pairing state in quasicrystalline superconductors under a magnetic field. Physical Review Research, 2019, 1, .	1.3	35
11	Correlation-Driven Lifshitz Transition at the Emergence of the Pseudogap Phase in the Two-Dimensional Hubbard Model. Physical Review Letters, 2018, 120, 067002.	2.9	28
12	Frequency-dependent structure of superconducting gap function in two-dimensional Hubbard model. Journal of Physics: Conference Series, 2018, 1054, 012012.	0.3	1
13	Direct connection between Mott insulators and d -wave high-temperature superconductors revealed by continuous evolution of self-energy poles. Physical Review B, 2018, 98, .	1.1	14
14	Nonempirical Calculation of Superconducting Transition Temperatures in Light-Element Superconductors. Advanced Materials, 2017, 29, 1602421.	11.1	22
15	Superconductivity on a quasiperiodic lattice: Extended-to-localized crossover of Cooper pairs. Physical Review B, 2017, 95, .	1.1	47
16	Observation of Bogoliubov Band Hybridization in the Optimally Doped Trilayer $\text{Sr}_2\text{Bi}_2\text{O}_7$. Physical Review Letters, 2017, 119, 217001.	2.9	14
17	Exotic s -wave superconductivity in alkali-doped fullerides. Journal of Physics Condensed Matter, 2016, 28, 153001.	0.7	46
18	Hidden Fermionic Excitation Boosting High-Temperature Superconductivity in Cuprates. Physical Review Letters, 2016, 116, 057003.	2.9	55

#	ARTICLE	IF	CITATIONS
37	Quantum Monte Carlo study for multiorbital systems with preserved spin and orbital rotational symmetries. <i>Physical Review B</i> , 2006, 74, .	1.1	38
38	Superconductivity in multi-orbital systems: A dynamical mean Monte Carlo study. <i>Physica B: Condensed Matter</i> , 2005, 359-361, 554-556.	1.3	2
39	Numerical algorithm for the double-orbital Hubbard model: \hat{e} Hund-coupled pairing symmetry in the doped case. <i>Physical Review B</i> , 2004, 70, .	1.1	56