

R Matthias Geilhufe

List of Publications by Year in descending order

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Version: 2024-02-01

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papers

733
citations

567281

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all docs

30
docs citations

30
times ranked

1096
citing authors

#	ARTICLE	IF	CITATIONS
1	Dynamic electron-phonon and spin-phonon interactions due to inertia. Physical Review Research, 2022, 4, .	3.6	11
2	Shifting computational boundaries for complex organic materials. Nature Physics, 2021, 17, 152-154.	16.7	5
3	Dynamically induced magnetism in KTaO_3 . Physical Review Research, 2021, 3, .	3.6	21
4	Quantum Buckling in Metal-Organic Framework Materials. Nano Letters, 2021, 21, 10341-10345.	9.1	1
5	Dirac materials for sub-MeV dark matter detection: New targets and improved formalism. Physical Review D, 2020, 101, .	4.7	58
6	Identification of strongly interacting organic semimetals. Physical Review B, 2020, 102, .	3.2	7
7	Magnetic and Electronic Properties of Complex Oxides from First-Principles. Physica Status Solidi (B): Basic Research, 2020, 257, 1900671.	1.5	31
8	Spin wave excitations of magnetic metalorganic materials. Physical Review Materials, 2020, 4, .	2.4	4
9	Band Gap Prediction for Large Organic Crystal Structures with Machine Learning. Advanced Quantum Technologies, 2019, 2, 1900023.	3.9	51
10	Hund nodal line semimetals: The case of a twisted magnetic phase in the double-exchange model. Physical Review B, 2019, 99, .	3.2	8
11	Computational search for Dirac and Weyl nodes in $\text{f-electron antiperovskites}$. Physical Review B, 2019, 99, .	3.2	13
12	Symmetry analysis of odd- and even-frequency superconducting gap symmetries for time-reversal symmetric interactions. Physical Review B, 2018, 97, .	3.2	12
13	Reply to "Comment on "Instability of the topological surface state in Bi_2Se_3 upon deposition of gold"	3.2	1
14	Online search tool for graphical patterns in electronic band structures. Npj Computational Materials, 2018, 4, .	8.7	7
15	Materials Informatics for Dark Matter Detection. Physica Status Solidi - Rapid Research Letters, 2018, 12, 1800293.	2.4	30
16	GTPack: A Mathematica Group Theory Package for Application in Solid-State Physics and Photonics. Frontiers in Physics, 2018, 6, .	2.1	17
17	Chemical-Strain Induced Tilted Dirac Nodes in $(\text{BEDT})_2\text{X}_3$ ($\text{X} = \text{I, Cl, Br, F}$) Based Charge-Transfer Salts. Physica Status Solidi - Rapid Research Letters, 2018, 12, 1800081.	2.4	9
18	Towards novel organic high- T_c superconductors: Data mining using density of states similarity search. Physical Review Materials, 2018, 2, .	2.4	18

