

Ruiqi Zhang

List of Publications by Year in descending order

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17
papers

1,081
citations

759233

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888059

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docs citations

19
times ranked

1794
citing authors

#	ARTICLE	IF	CITATIONS
1	Sensitivity of the electronic and magnetic structures of cuprate superconductors to density functional approximations. <i>Npj Computational Materials</i> , 2022, 8, .	8.7	12
2	Weyl semimetal in the rare-earth hexaboride family supporting a pseudonodal surface and a giant anomalous Hall effect. <i>Physical Review B</i> , 2022, 105, .	3.2	4
3	Critical role of magnetic moments in heavy-fermion materials: Revisiting SmB_{6} . <i>Physical Review B</i> , 2022, 105, .	3.2	6
4	Magnetic and f-electron effects in LaNiO_2 and NdNiO_2 nickelates with cuprate-like d_{xy}^2 band. <i>Communications Physics</i> , 2021, 4, .	5.3	38
5	Symmetry-breaking polymorphous descriptions for correlated materials without interelectronic U . <i>Physical Review B</i> , 2020, 102, .	3.2	48
6	Proposal of a stable $\text{B}_{3\text{S}}$ nanosheet as an efficient hydrogen evolution catalyst. <i>Journal of Materials Chemistry A</i> , 2019, 7, 3752-3756.	10.3	41
7	Construction of direct Z-Scheme photocatalysts for overall water splitting using two-dimensional van der waals heterojunctions of metal dichalcogenides. <i>Journal of Computational Chemistry</i> , 2019, 40, 980-987.	3.3	48
8	First-Principles Study on Layered $\text{C}_{2\text{N}}$ Metal Interfaces. <i>Langmuir</i> , 2018, 34, 2647-2653.	3.5	12
9	Direct Z-Scheme Water Splitting Photocatalyst Based on Two-Dimensional Van Der Waals Heterostructures. <i>Journal of Physical Chemistry Letters</i> , 2018, 9, 5419-5424.	4.6	114
10	Hidden Order and Haldane-Like Phase in Molecular Chains Assembled from Conformation-Switchable Molecules. <i>ACS Nano</i> , 2018, 12, 6515-6522.	14.6	1
11	Highly Efficient Photocatalytic Water Splitting over Edge-Modified Phosphorene Nanoribbons. <i>Journal of the American Chemical Society</i> , 2017, 139, 15429-15436.	13.7	244
12	Two-Dimensional Stoichiometric Boron Oxides as a Versatile Platform for Electronic Structure Engineering. <i>Journal of Physical Chemistry Letters</i> , 2017, 8, 4347-4353.	4.6	41
13	A many-body $\text{GW}+\text{BSE}$ investigation of electronic and optical properties of $\text{C}_{2\text{N}}$. <i>Applied Physics Letters</i> , 2016, 109, .	3.3	51
14	Blockage of ultrafast and directional diffusion of Li atoms on phosphorene with intrinsic defects. <i>Nanoscale</i> , 2016, 8, 4001-4006.	5.6	84
15	A First-Principles Study on Electron Donor and Acceptor Molecules Adsorbed on Phosphorene. <i>Journal of Physical Chemistry C</i> , 2015, 119, 2871-2878.	3.1	152
16	Effects of stacking order, layer number and external electric field on electronic structures of few-layer $\text{C}_{2\text{N}}$ -h2D. <i>Nanoscale</i> , 2015, 7, 14062-14070.	5.6	177
17	Efficient Method for Fast Simulation of Scanning Tunneling Microscopy with a Tip Effect. <i>Journal of Physical Chemistry A</i> , 2014, 118, 8953-8959.	2.5	7