

Ruiqi Zhang

List of Publications by Year in descending order

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17
papers

1,081
citations

759233

12
h-index

888059

17
g-index

19
all docs

19
docs citations

19
times ranked

1794
citing authors

#	ARTICLE	IF	CITATIONS
1	Highly Efficient Photocatalytic Water Splitting over Edge-Modified Phosphorene Nanoribbons. Journal of the American Chemical Society, 2017, 139, 15429-15436.	13.7	244
2	Effects of stacking order, layer number and external electric field on electronic structures of few-layer C ₂ N-h ₂ D. Nanoscale, 2015, 7, 14062-14070.	5.6	177
3	A First-Principles Study on Electron Donor and Acceptor Molecules Adsorbed on Phosphorene. Journal of Physical Chemistry C, 2015, 119, 2871-2878.	3.1	152
4	Direct Z-Scheme Water Splitting Photocatalyst Based on Two-Dimensional Van Der Waals Heterostructures. Journal of Physical Chemistry Letters, 2018, 9, 5419-5424.	4.6	114
5	Blockage of ultrafast and directional diffusion of Li atoms on phosphorene with intrinsic defects. Nanoscale, 2016, 8, 4001-4006.	5.6	84
6	A many-body GW+BSE investigation of electronic and optical properties of C ₂ N. Applied Physics Letters, 2016, 109, .	3.3	51
7	Construction of direct Z-Scheme photocatalysts for overall water splitting using two-dimensional van der waals heterojunctions of metal dichalcogenides. Journal of Computational Chemistry, 2019, 40, 980-987.	3.3	48
8	Symmetry-breaking polymorphous descriptions for correlated materials without interelectronic U. Physical Review B, 2020, 102, .	3.2	48
9	Two-Dimensional Stoichiometric Boron Oxides as a Versatile Platform for Electronic Structure Engineering. Journal of Physical Chemistry Letters, 2017, 8, 4347-4353.	4.6	41
10	Proposal of a stable B ₃ S nanosheet as an efficient hydrogen evolution catalyst. Journal of Materials Chemistry A, 2019, 7, 3752-3756.	10.3	41
11	Magnetic and f-electron effects in LaNiO ₂ and NdNiO ₂ nickelates with cuprate-like $d_{x^2-y^2}$ band. Communications Physics, 2021, 4, .	5.3	38
12	First-Principles Study on Layered C ₂ N-Metal Interfaces. Langmuir, 2018, 34, 2647-2653.	3.5	12
13	Sensitivity of the electronic and magnetic structures of cuprate superconductors to density functional approximations. Npj Computational Materials, 2022, 8, .	8.7	12
14	Efficient Method for Fast Simulation of Scanning Tunneling Microscopy with a Tip Effect. Journal of Physical Chemistry A, 2014, 118, 8953-8959.	2.5	7
15	Critical role of magnetic moments in heavy-fermion materials: Revisiting SmB_6 . Physical Review B, 2022, 105, .		
16	Weyl semimetal in the rare-earth hexaboride family supporting a pseudonodal surface and a giant anomalous Hall effect. Physical Review B, 2022, 105, .	3.2	4
17	Hidden Order and Haldane-Like Phase in Molecular Chains Assembled from Conformation-Switchable Molecules. ACS Nano, 2018, 12, 6515-6522.	14.6	1