

Alex Aziz

List of Publications by Year in descending order

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Version: 2024-02-01

23
papers

547
citations

759233

12
h-index

713466

21
g-index

23
all docs

23
docs citations

23
times ranked

1064
citing authors

#	ARTICLE	IF	CITATIONS
1	Understanding the solid state luminescence and piezochromic properties in polymorphs of an anthracene derivative. <i>Physical Chemistry Chemical Physics</i> , 2022, 24, 2832-2842.	2.8	2
2	Porous nanographene formation on I^3 -alumina nanoparticles <i>via</i> transition-metal-free methane activation. <i>Chemical Science</i> , 2022, 13, 3140-3146.	7.4	8
3	Modelling magnesium surfaces and their dissolution in an aqueous environment using an implicit solvent model. <i>Journal of Chemical Physics</i> , 2022, 156, 174702.	3.0	1
4	Engineering the electronic and optical properties of 2D porphyrin-paddlewheel metal-organic frameworks. <i>JPhys Energy</i> , 2021, 3, 034005.	5.3	7
5	Structural, Electronic, and Optical Properties of the Vacancy-Ordered Bismuth-Antimony Perovskites $(\text{CH}_3\text{NH}_3)_3(\text{Bi}_{1-x}\text{Sbx})_2\text{I}_9$. <i>Journal of Physical Chemistry C</i> , 2021, 125, 8938-8946.	3.1	5
6	Unraveling the Impact of Graphene Addition to Thermoelectric SrTiO_3 and La-Doped SrTiO_3 Materials: A Density Functional Theory Study. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 41303-41314.	8.0	14
7	Towards Tuning the Modality of Hierarchical Macro-Nanoporous Metals by Controlling the Dealloying Kinetics of Close-to-Eutectic Alloys. <i>Physical Chemistry Chemical Physics</i> , 2021, 23, 25388-25400.	2.8	2
8	Understanding the Enhanced Stability of Bromide Substitution in Lead Iodide Perovskites. <i>Chemistry of Materials</i> , 2020, 32, 400-409.	6.7	53
9	Understanding the origin of disorder in kesterite-type chalcogenides A_2ZnBQ_4 (A = Cu, Ag; B = Sn, Ge; Q = S, Se): the influence of inter-layer interactions. <i>Physical Chemistry Chemical Physics</i> , 2019, 21, 19311-19317.	2.8	16
10	Ensemble-Based Modeling of the NMR Spectra of Solid Solutions: Cation Disorder in $\text{Y}_2(\text{Sn,Ti})_2\text{O}_7$. <i>Journal of the American Chemical Society</i> , 2019, 141, 17838-17846.	13.7	29
11	Putting the Squeeze on Lead Iodide Perovskites: Pressure-Induced Effects To Tune Their Structural and Optoelectronic Behavior. <i>Chemistry of Materials</i> , 2019, 31, 4063-4071.	6.7	87
12	Electron and phonon interactions and transport in the ultrahigh-temperature ceramic ZrC. <i>Physical Review B</i> , 2019, 99, .	3.2	12
13	Band Structures of Periodic Porphyrin Nanostructures. <i>Journal of Physical Chemistry C</i> , 2018, 122, 23790-23798.	3.1	21
14	Porphyrin-based metal-organic frameworks for solar fuel synthesis photocatalysis: band gap tuning via iron substitutions. <i>Journal of Materials Chemistry A</i> , 2017, 5, 11894-11904.	10.3	84
15	Frontispiz: Modelling a Linker Mix-and-Match Approach for Controlling the Optical Excitation Gaps and Band Alignment of Zeolitic Imidazolate Frameworks. <i>Angewandte Chemie</i> , 2016, 128, .	2.0	0
16	Frontispiece: Modelling a Linker Mix-and-Match Approach for Controlling the Optical Excitation Gaps and Band Alignment of Zeolitic Imidazolate Frameworks. <i>Angewandte Chemie - International Edition</i> , 2016, 55, .	13.8	1
17	and phonon transport in shandite-structured $\text{Ni}_3\text{Sn}_2\text{S}_2$. <i>Physical Review B</i> , 2016, 94, .	3.2	12
18	Modelling a Linker Mix-and-Match Approach for Controlling the Optical Excitation Gaps and Band Alignment of Zeolitic Imidazolate Frameworks. <i>Angewandte Chemie - International Edition</i> , 2016, 55, 16012-16016.	13.8	61

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19	Modelling a Linker Mix-and-Match Approach for Controlling the Optical Excitation Gaps and Band Alignment of Zeolitic Imidazolate Frameworks. <i>Angewandte Chemie</i> , 2016, 128, 16246-16250.	2.0	12
20	Interplay of Metal-Atom Ordering, Fermi Level Tuning, and Thermoelectric Properties in Cobalt Shandites $\text{Co}_3\text{M}_2\text{S}_2$ (M = Sn, In). <i>Chemistry of Materials</i> , 2015, 27, 3946-3956.	6.7	47
21	Electronic structure of porphyrin-based metal-organic frameworks and their suitability for solar fuel production photocatalysis. <i>Journal of Materials Chemistry A</i> , 2015, 3, 23458-23465.	10.3	59
22	Long-term stabilization of reflective foams in sea water. <i>RSC Advances</i> , 2014, 4, 53028-53036.	3.6	14
23	Optical and Electronic Property Changes in Lead-free Perovskites by Metal Cation Transmutation. , 0, , .		0