Zeyu Deng

List of Publications by Year in descending order

Source: https://exaly.com/author-pdf/7233456/publications.pdf

Version: 2024-02-01

25	1,782	471509	642732
papers	citations	17 h-index	23 g-index

33	33	33	2251
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Towards autonomous high-throughput multiscale modelling of battery interfaces. Energy and Environmental Science, 2022, 15, 579-594.	30.8	17
2	Superionic Conduction in the Plastic Crystal Polymorph of Na₄P₂S₆. ACS Energy Letters, 2022, 7, 1403-1411.	17.4	9
3	Crystal Structure of Na₂V₂(PO₄)₃, an Intriguing Phase Spotted in the Na₃V₂(PO₄)₃â€“Na₁V₂(PO₄)₃ System. Chemistry of Materials, 2022, 34, 451-462.	6.7	31
4	Unlocking the origin of compositional fluctuations in InGaN light emitting diodes. Physical Review Materials, 2021, 5, .	2.4	7
5	(Invited) Revisiting the Structureâ€“Property Relationships in NaSICON Electrode and Electrolytes. ECS Meeting Abstracts, 2021, MA2021-01, 456-456.	0.0	0
6	Slow carrier relaxation in tin-based perovskite nanocrystals. Nature Photonics, 2021, 15, 696-702.	31.4	40
7	Phase stability and sodium-vacancy orderings in a NaSICON electrode. Journal of Materials Chemistry A, 2021, 10, 209-217.	10.3	24
8	Phase Behavior in Rhombohedral NaSiCON Electrolytes and Electrodes. Chemistry of Materials, 2020, 32, 7908-7920.	6.7	58
9	Halogenated Metalâ€“Organic Framework Glasses and Liquids. Journal of the American Chemical Society, 2020, 142, 3880-3890.	13.7	83
10	Understanding the Structural and Electronic Properties of Bismuth Trihalides and Related Compounds. Inorganic Chemistry, 2020, 59, 3377-3386.	4.0	9
11	Metal-free perovskites for non linear optical materials. Chemical Science, 2019, 10, 8187-8194.	7.4	46
12	Improving the Acidic Stability of Zeolitic Imidazolate Frameworks by Biofunctional Molecules. CheM, 2019, 5, 1597-1608.	11.7	148
13	Ab initiocomputation for solid-state³¹P NMR of inorganic phosphates: revisiting X-ray structures. Physical Chemistry Chemical Physics, 2019, 21, 10070-10074.	2.8	10
14	Enhanced visible light absorption for lead-free double perovskite Cs₂AgSbBr₆. Chemical Communications, 2019, 55, 3721-3724.	4.1	117
15	Polymorphism in M(H₂PO₂)₃ (M = V, Al, Ga) compounds with the perovskite-related ReO₃ structure. Chemical Communications, 2019, 55, 2964-2967.	4.1	15
16	Elastic properties and thermal expansion of lead-free halide double perovskite Cs2AgBiBr6. Computational Materials Science, 2018, 141, 49-58.	3.0	87
17	The competition between mechanical stability and charge carrier mobility in MA-based hybrid perovskites: insight from DFT. Journal of Materials Chemistry C, 2018, 6, 12252-12259.	5.5	42
18	Octahedral connectivity and its role in determining the phase stabilities and electronic structures of low-dimensional, perovskite-related iodoplumbates. APL Materials, 2018, 6, .	5.1	23

#	Article	IF	Citations
19	Synthesis and Properties of a Lead-Free Hybrid Double Perovskite: (CH₃NH₃)₂AgBiBr₆. Chemistry of Materials, 2017, 29, 1089-1094.	6.7	290
20	Variable temperature and high-pressure crystal chemistry of perovskite formamidinium lead iodide: a single crystal X-ray diffraction and computational study. Chemical Communications, 2017, 53, 7537-7540.	4.1	43
21	Factors Influencing the Mechanical Properties of Formamidinium Lead Halides and Related Hybrid Perovskites. ChemSusChem, 2017, 10, 3683-3683.	6.8	0
22	Synthesis and Characterization of the Rare-Earth Hybrid Double Perovskites: (CH₃NH₃)₂KGdCl₆ and (CH₃NH₃)₂KYCl₆. Journal of Physical Chemistry Letters, 2017, 8, 5015-5020.	4.6	68
23	Factors Influencing the Mechanical Properties of Formamidinium Lead Halides and Related Hybrid Perovskites. ChemSusChem, 2017, 10, 3740-3745.	6.8	80
24	The synthesis, structure and electronic properties of a lead-free hybrid inorganicâ€“organic double perovskite (MA)₂KBiCl₆ (MA = methylammonium). Materials Horizons, 2016, 3, 328-332.	12.2	284
25	Exploring the properties of lead-free hybrid double perovskites using a combined computational-experimental approach. Journal of Materials Chemistry A, 2016, 4, 12025-12029.	10.3	250