

Christopher Collins

List of Publications by Year in descending order

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Version: 2024-02-01

14
papers

361
citations

1039880

9
h-index

1125617

13
g-index

14
all docs

14
docs citations

14
times ranked

820
citing authors

#	ARTICLE	IF	CITATIONS
1	Cation Disorder and Large Tetragonal Supercell Ordering in the Li-Rich Argyrodite $\text{Li}_{7-x}\text{Zn}_{0.5}\text{Si}_6$. <i>Chemistry of Materials</i> , 2022, 34, 4073-4087.	3.2	3
2	Discovery of a Low Thermal Conductivity Oxide Guided by Probe Structure Prediction and Machine Learning. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 16457-16465.	7.2	13
3	Discovery of a Low Thermal Conductivity Oxide Guided by Probe Structure Prediction and Machine Learning. <i>Angewandte Chemie</i> , 2021, 133, 16593-16601.	1.6	0
4	Computationally Guided Discovery of the Sulfide Li_3AlS_3 in the Li-Al-S Phase Field: Structure and Lithium Conductivity. <i>Chemistry of Materials</i> , 2019, 31, 9699-9714.	3.2	17
5	Structure searching methods: general discussion. <i>Faraday Discussions</i> , 2018, 211, 133-180.	1.6	3
6	Applications of crystal structure prediction for organic molecular structures: general discussion. <i>Faraday Discussions</i> , 2018, 211, 493-539.	1.6	8
7	The Flexible Unit Structure Engine (FUSE) for probe structure-based composition prediction. <i>Faraday Discussions</i> , 2018, 211, 117-131.	1.6	9
8	Redox-controlled potassium intercalation into two polyaromatic hydrocarbon solids. <i>Nature Chemistry</i> , 2017, 9, 644-652.	6.6	32
9	Accelerated discovery of two crystal structure types in a complex inorganic phase field. <i>Nature</i> , 2017, 546, 280-284.	13.7	61
10	Tailoring the surface charge of dextran-based polymer coated SPIONs for modulated stem cell uptake and MRI contrast. <i>Biomaterials Science</i> , 2015, 3, 608-616.	2.6	44
11	Charge storage mechanism of activated manganese oxide composites for pseudocapacitors. <i>Journal of Materials Chemistry A</i> , 2015, 3, 12786-12795.	5.2	95
12	Reported and predicted structures of $\text{Ba}(\text{Co,Nb})_{1-x}\text{O}_3$ hexagonal perovskite phases. <i>Physical Chemistry Chemical Physics</i> , 2014, 16, 21073-21081.	1.3	3
13	Computational prediction and experimental confirmation of B-site doping in $\text{YBa}_2\text{Fe}_3\text{O}_8$. <i>Chemical Science</i> , 2014, 5, 1493-1505.	3.7	11
14	Computationally Assisted Identification of Functional Inorganic Materials. <i>Science</i> , 2013, 340, 847-852.	6.0	62