

Christopher Collins

List of Publications by Year in descending order

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Version: 2024-02-01

14
papers

361
citations

1039406

9
h-index

1125271

13
g-index

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all docs

14
docs citations

14
times ranked

820
citing authors

#	ARTICLE	IF	CITATIONS
1	Charge storage mechanism of activated manganese oxide composites for pseudocapacitors. Journal of Materials Chemistry A, 2015, 3, 12786-12795.	5.2	95
2	Computationally Assisted Identification of Functional Inorganic Materials. Science, 2013, 340, 847-852.	6.0	62
3	Accelerated discovery of two crystal structure types in a complex inorganic phase field. Nature, 2017, 546, 280-284.	13.7	61
4	Tailoring the surface charge of dextran-based polymer coated SPIONs for modulated stem cell uptake and MRI contrast. Biomaterials Science, 2015, 3, 608-616.	2.6	44
5	Redox-controlled potassium intercalation into two polyaromatic hydrocarbon solids. Nature Chemistry, 2017, 9, 644-652.	6.6	32
6	Computationally Guided Discovery of the Sulfide Li_3AlS_3 in the Li-Al-S Phase Field: Structure and Lithium Conductivity. Chemistry of Materials, 2019, 31, 9699-9714.	3.2	17
7	Discovery of a Low Thermal Conductivity Oxide Guided by Probe Structure Prediction and Machine Learning. Angewandte Chemie - International Edition, 2021, 60, 16457-16465.	7.2	13
8	Computational prediction and experimental confirmation of B-site doping in $\text{YBa}_2\text{Fe}_3\text{O}_8$. Chemical Science, 2014, 5, 1493-1505.	3.7	11
9	The Flexible Unit Structure Engine (FUSE) for probe structure-based composition prediction. Faraday Discussions, 2018, 211, 117-131.	1.6	9
10	Applications of crystal structure prediction – organic molecular structures: general discussion. Faraday Discussions, 2018, 211, 493-539.	1.6	8
11	Reported and predicted structures of $\text{Ba}(\text{Co,Nb})_1\text{O}_3$ hexagonal perovskite phases. Physical Chemistry Chemical Physics, 2014, 16, 21073-21081.	1.3	3
12	Structure searching methods: general discussion. Faraday Discussions, 2018, 211, 133-180.	1.6	3
13	Cation Disorder and Large Tetragonal Supercell Ordering in the Li-Rich Argyrodite $\text{Li}_7\text{Zn}_{0.5}\text{Si}_6$. Chemistry of Materials, 2022, 34, 4073-4087.	3.2	3
14	Discovery of a Low Thermal Conductivity Oxide Guided by Probe Structure Prediction and Machine Learning. Angewandte Chemie, 2021, 133, 16593-16601.	1.6	0