

Alireza Faghaninia

List of Publications by Year in descending order

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9
papers

695
citations

1040056

9
h-index

1474206

9
g-index

9
all docs

9
docs citations

9
times ranked

1120
citing authors

#	ARTICLE	IF	CITATIONS
1	Efficient calculation of carrier scattering rates from first principles. Nature Communications, 2021, 12, 2222.	12.8	205
2	Prediction of tunable spin-orbit gapped materials for dark matter detection. Physical Review Research, 2021, 3, .	3.6	12
3	Computational discovery of promising new n-type dopable ABX Zintl thermoelectric materials. Materials Horizons, 2020, 7, 1809-1818.	12.2	30
4	Origins of ultralow thermal conductivity in 1-2-1-4 quaternary selenides. Journal of Materials Chemistry A, 2019, 7, 2589-2596.	10.3	28
5	A computational assessment of the electronic, thermoelectric, and defect properties of bournonite (CuPbSbS ₃) and related substitutions. Physical Chemistry Chemical Physics, 2017, 19, 6743-6756.	2.8	47
6	Atomate: A high-level interface to generate, execute, and analyze computational materials science workflows. Computational Materials Science, 2017, 139, 140-152.	3.0	223
7	Metal phosphides as potential thermoelectric materials. Journal of Materials Chemistry C, 2017, 5, 12441-12456.	5.5	53
8	p-type Transparent Cu-Alloyed ZnS Deposited at Room Temperature. Advanced Electronic Materials, 2016, 2, 1500396.	5.1	40
9	Ab initio electronic transport model with explicit solution to the linearized Boltzmann transport equation. Physical Review B, 2015, 91, .	3.2	57