

# Alireza Faghaninia

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/2892170/publications.pdf>

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9  
papers

695  
citations

1040056

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1474206

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docs citations

9  
times ranked

1120  
citing authors

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