

Robert B Wexler

List of Publications by Year in descending order

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15
papers

1,372
citations

687363

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996975

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docs citations

15
times ranked

2218
citing authors

#	ARTICLE	IF	CITATIONS
1	Comprehensive defect suppression in perovskite nanocrystals for high-efficiency light-emitting diodes. <i>Nature Photonics</i> , 2021, 15, 148-155.	31.4	590
2	Optimizing kesterite solar cells from $\text{Cu}_2\text{ZnSnS}_4$ to $\text{Cu}_2\text{CdGe(S,Se)}_4$. <i>Journal of Materials Chemistry A</i> , 2021, 9, 9882-9897.	10.3	18
3	Factors Governing Oxygen Vacancy Formation in Oxide Perovskites. <i>Journal of the American Chemical Society</i> , 2021, 143, 13212-13227.	13.7	75
4	Mechanistic Insights into CO_2 Electroreduction on Ni_2P : Understanding Its Selectivity toward Multicarbon Products. <i>ACS Catalysis</i> , 2021, 11, 11706-11715.	11.2	20
5	Exchange-correlation functional challenges in modeling quaternary chalcogenides. <i>Physical Review B</i> , 2020, 102, .	3.2	15
6	Sr-induced dipole scatter in $\text{Ba}_2\text{Mg}_2\text{S}_8$: Insights from a transferable-bond valence-based interatomic potential. <i>Physical Review B</i> , 2019, 100, .	3.2	18
7	Automatic Prediction of Surface Phase Diagrams Using Ab Initio Grand Canonical Monte Carlo. <i>Journal of Physical Chemistry C</i> , 2019, 123, 2321-2328.	3.1	45
8	Climbing the Volcano of Electrocatalytic Activity while Avoiding Catalyst Corrosion: Ni_3P , a Hydrogen Evolution Electrocatalyst Stable in Both Acid and Alkali. <i>ACS Catalysis</i> , 2018, 8, 4408-4419.	11.2	178
9	Chemical Pressure-Driven Enhancement of the Hydrogen Evolving Activity of Ni_2P from Nonmetal Surface Doping Interpreted via Machine Learning. <i>Journal of the American Chemical Society</i> , 2018, 140, 4678-4683.	13.7	145
10	Large-area synthesis of high-quality monolayer $1\text{Tâ€}^\text{TM}\text{-WTe}_2$ flakes. <i>2D Materials</i> , 2017, 4, 021008.	4.4	81
11	Active Role of Phosphorus in the Hydrogen Evolving Activity of Nickel Phosphide (0001) Surfaces. <i>ACS Catalysis</i> , 2017, 7, 7718-7725.	11.2	104
12	Stable Phosphorus-Enriched (0001) Surfaces of Nickel Phosphides. <i>Chemistry of Materials</i> , 2016, 28, 5365-5372.	6.7	48
13	Models for the Temperature and Gas Partial Pressure Dependence of Conductance. <i>Reviews in Theoretical Science</i> , 2016, 4, 97-111.	0.5	2
14	Heats of Combustion of Fatty Acids and Fatty Acid Esters. <i>JAOCS, Journal of the American Oil Chemists' Society</i> , 2014, 91, 235-249.	1.9	23
15	Role of Proton Hopping in Surface Charge Transport on Tin Dioxide As Revealed by the Thermal Dependence of Conductance. <i>Journal of Physical Chemistry A</i> , 2014, 118, 12031-12040.	2.5	10