

# Jacob J Cordell

## List of Publications by Year in descending order

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Version: 2024-02-01

13  
papers

201  
citations

1307594

7  
h-index

1199594

12  
g-index

13  
all docs

13  
docs citations

13  
times ranked

215  
citing authors

#	ARTICLE	IF	CITATIONS
1	Utilizing Site Disorder in the Development of New Energy-Relevant Semiconductors. ACS Energy Letters, 2020, 5, 2027-2041.	17.4	46
2	Interplay between Composition, Electronic Structure, Disorder, and Doping due to Dual Sublattice Mixing in Nonequilibrium Synthesis of ZnSnN <sub>2</sub> :O. Advanced Materials, 2019, 31, e1807406.	21.0	35
3	Combinatorial investigation of structural and optical properties of cation-disordered ZnGeN <sub>2</sub> . Journal of Materials Chemistry C, 2020, 8, 8736-8746.	5.5	28
4	Control of Phase in Tin Sulfide Thin Films Produced via RF-Sputtering of SnS <sub>2</sub> Target with Post-deposition Annealing. Journal of Electronic Materials, 2016, 45, 499-508.	2.2	23
5	Probing configurational disorder in $\text{ZnGeN}_2$ using cluster-based Monte Carlo. Physical Review Materials, 2021, 5, .	2.2	1
6	Perfect short-range ordered alloy with line-compound-like properties in the ZnSnN <sub>2</sub> :ZnO system. Npj Computational Materials, 2020, 6, .	8.7	20
7	Bandgap analysis and carrier localization in cation-disordered ZnGeN <sub>2</sub> . APL Materials, 2022, 10, .	5.1	13
8	Short-Range Order Tunes Optical Properties in Long-Range Disordered ZnSnN <sub>2</sub> :ZnO Alloy. Chemistry of Materials, 2022, 34, 3910-3919.	6.7	6
9	Pd and Au Contacts to SnS: Thermodynamic Predictions and Annealing Study. Journal of Electronic Materials, 2016, 45, 6300-6304.	2.2	4
10	Investigation of RF-sputtered tin sulfide thin films with in situ heating for photovoltaic applications. , 2014, , .		1
11	Phase Control of RF Sputtered SnS <sub>x</sub> with Post-Deposition Annealing for a Pseudo-Homojunction Photovoltaic Device. Journal of Electronic Materials, 2017, 46, 1215-1222.	2.2	1
12	Computational Materials Design: Interplay between Composition, Electronic Structure, Disorder, and Doping due to Dual Sublattice Mixing in Nonequilibrium Synthesis of ZnSnN <sub>2</sub> :O (Adv.) Tj ETQq0 0 0 rgBTd/Overlap 10 Tf 5		
13	Simulation and characterization of cation disorder in $\text{ZnGeP}_2$ . Journal of Materials Research, 2022, 37, 1986-1996.	2.6	1