Jacob J Cordell

List of Publications by Year
in descending order

13	201	1307594 7	1199594 12
papers	citations	h-index	g-index

13	13	13	215
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Bandgap analysis and carrier localization in cation-disordered ZnGeN2. APL Materials, 2022, 10, .	5.1	13
2	Short-Range Order Tunes Optical Properties in Long-Range Disordered ZnSnN₂â€“ZnO Alloy. Chemistry of Materials, 2022, 34, 3910-3919.	6.7	6
3	Simulation and characterization of cation disorder in $$hbox {ZnGeP}_{2}$$. Journal of Materials Research, 2022, 37, 1986-1996.	2.6	1
4	Probing configurational disorder in <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:msub><mml:mi>ZnGeN</mml:mi><mml:mn>2</mml:mn></mml:msub></r using cluster-based Monte Carlo. Physical Review Materials, 2021, 5, .	2.4	12
5	Perfect short-range ordered alloy with line-compound-like properties in the ZnSnN2:ZnO system. Npj Computational Materials, 2020, 6, .	8.7	20
6	Combinatorial investigation of structural and optical properties of cation-disordered ZnGeN₂. Journal of Materials Chemistry C, 2020, 8, 8736-8746.	5.5	28
7	Utilizing Site Disorder in the Development of New Energy-Relevant Semiconductors. ACS Energy Letters, 2020, 5, 2027-2041.	17.4	46
8	Interplay between Composition, Electronic Structure, Disorder, and Doping due to Dual Sublattice Mixing in Nonequilibrium Synthesis of ZnSnN₂:O. Advanced Materials, 2019, 31, e1807406.	21.0	35
9	Computational Materials Design: Interplay between Composition, Electronic Structure, Disorder, and Doping due to Dual Sublattice Mixing in Nonequilibrium Synthesis of ZnSnN₂:O (Adv.) Tj ETQq1 1 0.784314 rgBT /Overlock	21.0	1
10	Phase Control of RF Sputtered SnSx with Post-Deposition Annealing for a Pseudo-Homojunction Photovoltaic Device. Journal of Electronic Materials, 2017, 46, 1215-1222.	2.2	1
11	Pd and Au Contacts to SnS: Thermodynamic Predictions and Annealing Study. Journal of Electronic Materials, 2016, 45, 6300-6304.	2.2	4
12	Control of Phase in Tin Sulfide Thin Films Produced via RF-Sputtering of SnS2 Target with Post-deposition Annealing. Journal of Electronic Materials, 2016, 45, 499-508.	2.2	23
13	Investigation of RF-sputtered tin sulfide thin films with in situ heating for photovoltaic applications. , 2014, , .		1