

Jeremy R Poindexter

List of Publications by Year in descending order

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14
papers

1,639
citations

759233

12
h-index

1058476

14
g-index

14
all docs

14
docs citations

14
times ranked

3240
citing authors

#	ARTICLE	IF	CITATIONS
1	Methylammonium Bismuth Iodide as a Lead-Free, Stable Hybrid Organic-Inorganic Solar Absorber. Chemistry - A European Journal, 2016, 22, 2605-2610.	3.3	312
2	Searching for Defect-Tolerant Photovoltaic Materials: Combined Theoretical and Experimental Screening. Chemistry of Materials, 2017, 29, 4667-4674.	6.7	275
3	Homogenized halides and alkali cation segregation in alloyed organic-inorganic perovskites. Science, 2019, 363, 627-631.	12.6	258
4	3.88% Efficient Tin Sulfide Solar Cells using Congruent Thermal Evaporation. Advanced Materials, 2014, 26, 7488-7492.	21.0	227
5	Investigation of Bismuth Triiodide (BiI_3) for Photovoltaic Applications. Journal of Physical Chemistry Letters, 2015, 6, 4297-4302.	4.6	176
6	A-Site Cation in Inorganic $\text{AB}_3\text{Sb}_2\text{I}_9$ Perovskite Influences Structural Dimensionality, Exciton Binding Energy, and Solar Cell Performance. Chemistry of Materials, 2018, 30, 3734-3742.	6.7	134
7	High Tolerance to Iron Contamination in Lead Halide Perovskite Solar Cells. ACS Nano, 2017, 11, 7101-7109.	14.6	90
8	Economically sustainable scaling of photovoltaics to meet climate targets. Energy and Environmental Science, 2016, 9, 2122-2129.	30.8	68
9	Framework to predict optimal buffer layer pairing for thin film solar cell absorbers: A case study for tin sulfide/zinc oxysulfide. Journal of Applied Physics, 2015, 118, .	2.5	29
10	Solubility and Diffusivity: Important Metrics in the Search for the Root Cause of Light- and Elevated Temperature-Induced Degradation. IEEE Journal of Photovoltaics, 2018, 8, 448-455.	2.5	23
11	Improving the Carrier Lifetime of Tin Sulfide via Prediction and Mitigation of Harmful Point Defects. Journal of Physical Chemistry Letters, 2017, 8, 3661-3667.	4.6	22
12	Analysis of loss mechanisms in $\text{Ag}_2\text{ZnSnSe}_4$ Schottky barrier photovoltaics. Journal of Applied Physics, 2017, 121, .	2.5	12
13	Distribution and Charge State of Iron Impurities in Intentionally Contaminated Lead Halide Perovskites. IEEE Journal of Photovoltaics, 2018, 8, 156-161.	2.5	8
14	How Much Physics is in a Current-Voltage Curve? Inferring Defect Properties From Photovoltaic Device Measurements. IEEE Journal of Photovoltaics, 2020, 10, 1532-1537.	2.5	5