

Rebecca A Belisle

List of Publications by Year in descending order

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Version: 2024-02-01

12
papers

2,746
citations

1040018

9
h-index

1372553

10
g-index

12
all docs

12
docs citations

12
times ranked

5094
citing authors

#	ARTICLE	IF	CITATIONS
1	Structural Dynamics of Metal Halide Perovskites during Photoinduced Halide Segregation. ACS Applied Materials & Interfaces, 2022, 14, 4335-4343.	8.0	13
2	Atomic layer deposition of vanadium oxide to reduce parasitic absorption and improve stability in p perovskite solar cells for tandems. Sustainable Energy and Fuels, 2019, 3, 1517-1525.	4.9	76
3	Terahertz Emission from Hybrid Perovskites Driven by Ultrafast Charge Separation and Strong Electron-Phonon Coupling. Advanced Materials, 2018, 30, 1704737.	21.0	86
4	Terahertz Emission: Terahertz Emission from Hybrid Perovskites Driven by Ultrafast Charge Separation and Strong Electron-Phonon Coupling (Adv. Mater. 11/2018). Advanced Materials, 2018, 30, 1870079.	21.0	2
5	Impact of Surfaces on Photoinduced Halide Segregation in Mixed-Halide Perovskites. ACS Energy Letters, 2018, 3, 2694-2700.	17.4	184
6	In Situ Measurement of Electric-Field Screening in Hysteresis-Free $\text{PTAA/FA}_{0.83}\text{Cs}_{0.17}\text{Pb}(\text{I}_{0.83}\text{Br}_{0.17})_3/\text{C60}$ Perovskite Solar Cells Gives an Ion Mobility of $\sim 1/43 \text{ \AA}^{-1} \times 10^7 \text{ cm}^2/(\text{V s})$, 2 Orders of Magnitude Faster than Reported for Metal-Oxide-Contacted Perovskite Cells with Hysteresis. Journal of the American Chemical Society, 2018, 140, 12775-12784.	13.7	47
7	Interpretation of inverted photocurrent transients in organic lead halide perovskite solar cells: proof of the field screening by mobile ions and determination of the space charge layer widths. Energy and Environmental Science, 2017, 10, 192-204.	30.8	150
8	Minimal Effect of the Hole-Transport Material Ionization Potential on the Open-Circuit Voltage of Perovskite Solar Cells. ACS Energy Letters, 2016, 1, 556-560.	17.4	115
9	Perovskite-perovskite tandem photovoltaics with optimized band gaps. Science, 2016, 354, 861-865.	12.6	1,107
10	Cesium Lead Halide Perovskites with Improved Stability for Tandem Solar Cells. Journal of Physical Chemistry Letters, 2016, 7, 746-751.	4.6	966
11	Designing Contact Layers and Surface Treatments to Overcome Performance Challenges for Perovskite Tandems. , 0, , .		0
12	Structural Observations of Carrier Induced Degradation in Mixed-Halide Perovskites. , 0, , .		0