

AgustÃ-n Bou

List of Publications by Year in descending order

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12
papers

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933410

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1217
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#	ARTICLE	IF	CITATIONS
1	Limited information of impedance spectroscopy about electronic diffusion transport: The case of perovskite solar cells. <i>APL Materials</i> , 2022, 10, .	5.1	8
2	Extracting <i>in Situ</i> Charge Carrier Diffusion Parameters in Perovskite Solar Cells with Light Modulated Techniques. <i>ACS Energy Letters</i> , 2021, 6, 2248-2255.	17.4	28
3	Impedance Spectroscopy Dynamics of Biological Neural Elements: From Memristors to Neurons and Synapses. <i>Journal of Physical Chemistry B</i> , 2021, 125, 9934-9949.	2.6	32
4	Intensity-Modulated Photocurrent Spectroscopy for Solar Energy Conversion Devices: What Does a Negative Value Mean?. <i>ACS Energy Letters</i> , 2020, 5, 187-191.	17.4	23
5	Beyond Impedance Spectroscopy of Perovskite Solar Cells: Insights from the Spectral Correlation of the Electrooptical Frequency Techniques. <i>Journal of Physical Chemistry Letters</i> , 2020, 11, 8654-8659.	4.6	76
6	Kinetic and material properties of interfaces governing slow response and long timescale phenomena in perovskite solar cells. <i>Energy and Environmental Science</i> , 2019, 12, 2054-2079.	30.8	158
7	Tailoring Crystal Structure of $\text{FA}_{0.83}\text{Cs}_{0.17}\text{PbI}_3$ Perovskite Through Guanidinium Doping for Enhanced Performance and Tunable Hysteresis of Planar Perovskite Solar Cells. <i>Advanced Functional Materials</i> , 2019, 29, 1806479.	14.9	87
8	Switching Off Hysteresis in Perovskite Solar Cells by Fine-Tuning Energy Levels of Extraction Layers. <i>Advanced Energy Materials</i> , 2018, 8, 1703376.	19.5	46
9	Analysis of the Influence of Selective Contact Heterojunctions on the Performance of Perovskite Solar Cells. <i>Journal of Physical Chemistry C</i> , 2018, 122, 13920-13925.	3.1	20
10	Effects of Ion Distributions on Charge Collection in Perovskite Solar Cells. <i>ACS Energy Letters</i> , 2017, 2, 1450-1453.	17.4	45
11	Inductive Loop in the Impedance Response of Perovskite Solar Cells Explained by Surface Polarization Model. <i>Journal of Physical Chemistry Letters</i> , 2017, 8, 1402-1406.	4.6	129
12	Inductive and Capacitive Hysteresis of Halide Perovskite Solar Cells and Memristors Under Illumination. <i>Frontiers in Energy Research</i> , 0, 10, .	2.3	21