Isaac ZarazÃºa MacÃ-as

List of Publications by Year
in descending order

11 papers	1,208 citations	1163117 8 h-index	1281871 11 g-index
11 all docs	11 docs citations	11 times ranked	2086 citing authors

#	Article	IF	Citations
1	Capacitive Dark Currents, Hysteresis, and Electrode Polarization in Lead Halide Perovskite Solar Cells. Journal of Physical Chemistry Letters, 2015, 6, 1645-1652.	4.6	430
2	Surface Recombination and Collection Efficiency in Perovskite Solar Cells from Impedance Analysis. Journal of Physical Chemistry Letters, 2016, 7, 5105-5113.	4.6	346
3	Light-Induced Space-Charge Accumulation Zone as Photovoltaic Mechanism in Perovskite Solar Cells. Journal of Physical Chemistry Letters, 2016, 7, 525-528.	4.6	243
4	Operating Mechanisms of Mesoscopic Perovskite Solar Cells through Impedance Spectroscopy and Jâ€“V Modeling. Journal of Physical Chemistry Letters, 2017, 8, 6073-6079.	4.6	69
5	Effect of Different Sensitization Technique on the Photoconversion Efficiency of CdS Quantum Dot and CdSe Quantum Rod Sensitized TiO₂ Solar Cells. Journal of Physical Chemistry C, 2015, 119, 13394-13403.	3.1	68
6	Electrical properties and J-V modeling of perovskite (CH3NH3PbI3) solar cells after external thermal exposure. Solar Energy, 2021, 222, 95-102.	6.1	13
7	Suppressing the Formation of High n-Phase and 3D Perovskites in the Fabrication of Ruddlesdenâ€“Popper Perovskite Thin Films by Bulky Organic Cation Engineering. Chemistry of Materials, 2022, 34, 3076-3088.	6.7	13
8	Study of inverted planar CH3NH3PbI3 perovskite solar cells fabricated under environmental conditions. Solar Energy, 2019, 180, 594-600.	6.1	11
9	Increase the Quantum Dots Sensitized TiO₂ Solar Cell Efficiency Adding n%Yb³⁺â^'1%Er³⁺ Doped NaYF₄: Submicrometer-Sized Rods. IEEE Journal of Photovoltaics, 2020, 10, 785-794.	2.5	6
10	Synthesis of Alloyed Cd _x Zn₁₋ _x S Quantum Dots for Photovoltaic Applications. IEEE Journal of Photovoltaics, 2020, 10, 1319-1328.	2.5	6
11	In Situ Ethanolamine ZnO Nanoparticle Passivation for Perovskite Interface Stability and Highly Efficient Solar Cells. Nanomaterials, 2022, 12, 823.	4.1	3