F Javier Ramos

List of Publications by Year
in descending order

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25 papers	1,388 citations	471371 17 h-index	642610 23 g-index
25 all docs	25 docs citations	25 times ranked	2984 citing authors

#	Article	IF	Citations
1	Real-space observation of unbalanced charge distribution inside a perovskite-sensitized solar cell. Nature Communications, 2014, 5, 5001.	5.8	294
2	A dopant free linear acene derivative as a hole transport material for perovskite pigmented solar cells. Energy and Environmental Science, 2015, 8, 1816-1823.	15.6	202
3	Elucidating Transport-Recombination Mechanisms in Perovskite Solar Cells by Small-Perturbation Techniques. Journal of Physical Chemistry C, 2014, 118, 22913-22922.	1.5	175
4	Direct monitoring of ultrafast electron and hole dynamics in perovskite solar cells. Physical Chemistry Chemical Physics, 2015, 17, 14674-14684.	1.3	141
5	Non-aggregated Zn(<scp>ii</scp>)octa(2,6-diphenylphenoxy) phthalocyanine as a hole transporting material for efficient perovskite solar cells. Dalton Transactions, 2015, 44, 10847-10851.	1.6	83
6	Versatile perovskite solar cell encapsulation by low-temperature ALD-Al₂O₃with long-term stability improvement. Sustainable Energy and Fuels, 2018, 2, 2468-2479.	2.5	66
7	Rational design of triazatruxene-based hole conductors for perovskite solar cells. RSC Advances, 2015, 5, 53426-53432.	1.7	64
8	Extending the Lifetime of Perovskite Solar Cells using a Perfluorinated Dopant. ChemSusChem, 2016, 9, 2708-2714.	3.6	62
9	Perovskite Solar Cells Based on Nanocolumnar Plasmaâ€Đeposited ZnO Thin Films. ChemPhysChem, 2014, 15, 1148-1153.	1.0	59
10	Photoanode Based on (001)-Oriented Anatase Nanoplatelets for Organicâ€“Inorganic Lead Iodide Perovskite Solar Cell. Chemistry of Materials, 2014, 26, 4675-4678.	3.2	39
11	Highly efficient MoOx-free semitransparent perovskite cell for 4â€‰T tandem application improving the efficiency of commercially-available Al-BSF silicon. Scientific Reports, 2018, 8, 16139.	1.6	30
12	Nanocolumnar 1-dimensional TiO₂ photoanodes deposited by PVD-OAD for perovskite solar cell fabrication. Journal of Materials Chemistry A, 2015, 3, 13291-13298.	5.2	24
13	Spatial Inhomogeneity Analysis of Cesium-Rich Wrinkles in Triple-Cation Perovskite. Journal of Physical Chemistry C, 2018, 122, 23345-23351.	1.5	24
14	Highly efficient flexible cathodes for dye sensitized solar cells to complement Pt@TCO coatings. Journal of Materials Chemistry A, 2014, 2, 3175.	5.2	22
15	Slow Diffusion and Long Lifetime in Metal Halide Perovskites for Photovoltaics. Journal of Physical Chemistry C, 2018, 122, 24570-24577.	1.5	22
16	Light management: porous 1-dimensional nanocolumnar structures as effective photonic crystals for perovskite solar cells. Journal of Materials Chemistry A, 2016, 4, 4962-4970.	5.2	19
17	Cyclopentadithiophene and Fluorene Spiro-Core-Based Hole-Transporting Materials for Perovskite Solar Cells. Journal of Physical Chemistry C, 2019, 123, 22767-22774.	1.5	17
18	Unraveling the Role of Monovalent Halides in Mixedâ€Halide Organicâ€“Inorganic Perovskites. ChemPhysChem, 2016, 17, 913-920.	1.0	13

#	Article	IF	Citations
19	Electrochromic nickel oxide thin films by a simple solution process: Influence of post-treatments on growth and properties. Thin Solid Films, 2018, 661, 143-149.	0.8	11
20	Fabrication and encapsulation of perovskites sensitized solid state solar cells. , 2014, , .		7
21	Impact of Environmental Stresses Onto Transport Properties of Hybrid Perovskite Investigated by Steady State Photocarrier Grating and Steady State Photocurrent Techniques. Solar Rrl, 2018, 2, 1800192.	3.1	7
22	Production of thermoregulating slurries constituted by nanocapsules from melamine-formaldehyde containing n-octadecane. Journal of Energy Storage, 2022, 51, 104465.	3.9	4
23	An environmentally friendly production of <scp>esterâ€biolubricant</scp> from oleic acid. Biofuels, Bioproducts and Biorefining, 2022, 16, 1655-1666.	1.9	2
24	The role of vinyl terminated silanes for producing highly concentrated polystyrene slurries in a single step process. Colloid and Polymer Science, 2020, 298, 1685-1697.	1.0	1
25	Investigation of in-depth transport and absorption properties of various perovskite materials using luminescence imaging. , 2018, , .		0