

Cristina Rodríguez-Seco

List of Publications by Year in descending order

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13
papers

431
citations

1040056

9
h-index

1125743

13
g-index

14
all docs

14
docs citations

14
times ranked

947
citing authors

#	ARTICLE	IF	CITATIONS
1	Advances in the Synthesis of Small Molecules as Hole Transport Materials for Lead Halide Perovskite Solar Cells. <i>Accounts of Chemical Research</i> , 2018, 51, 869-880.	15.6	121
2	Semiconductor self-assembled monolayers as selective contacts for efficient PiN perovskite solar cells. <i>Energy and Environmental Science</i> , 2019, 12, 230-237.	30.8	110
3	Increasing the Efficiency of Organic Dye-Sensitized Solar Cells over 10.3% Using Locally Ordered Inverse Opal Nanostructures in the Photoelectrode. <i>Advanced Functional Materials</i> , 2018, 28, 1706291.	14.9	36
4	Benzothiadiazole Aryl-amine Based Materials as Efficient Hole Carriers in Perovskite Solar Cells. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 32712-32718.	8.0	31
5	Minimization of Carrier Losses for Efficient Perovskite Solar Cells through Structural Modification of Triphenylamine Derivatives. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 5303-5307.	13.8	29
6	Visible and near-infrared organic photosensitizers comprising isoindigo derivatives as chromophores: synthesis, optoelectronic properties and factors limiting their efficiency in dye solar cells. <i>Journal of Materials Chemistry A</i> , 2018, 6, 10074-10084.	10.3	27
7	Reduced Energy Offsets and Low Energy Losses Lead to Efficient ($\sim 10\%$ at 1 sun) Ternary Organic Solar Cells. <i>ACS Energy Letters</i> , 2018, 3, 2418-2424.	17.4	20
8	Benzothiadiazole Substituted Semiconductor Molecules for Organic Solar Cells: The Effect of the Solvent Annealing Over the Thin Film Hole Mobility Values. <i>Journal of Physical Chemistry C</i> , 2018, 122, 13782-13789.	3.1	14
9	Supramolecular Coordination of Pb ²⁺ Defects in Hybrid Lead Halide Perovskite Films Using Truxene Derivatives as Lewis Base Interlayers. <i>ChemPhysChem</i> , 2019, 20, 2702-2711.	2.1	10
10	Minimization of Carrier Losses for Efficient Perovskite Solar Cells through Structural Modification of Triphenylamine Derivatives. <i>Angewandte Chemie</i> , 2020, 132, 5341-5345.	2.0	10
11	Photoactive nanomaterials enabled integrated photo-rechargeable batteries. <i>Nanophotonics</i> , 2022, 11, 1443-1484.	6.0	9
12	4,4'-Dimethoxybiphenyl Arylamine Substituted Porphyrins as Hole-Transport Materials: Electrochemical, Photophysical, and Carrier Mobility Characterization. <i>European Journal of Organic Chemistry</i> , 2018, 2018, 2064-2070.	2.4	7
13	Efficient Non-polymeric Heterojunctions in Ternary Organic Solar Cells. <i>ACS Applied Energy Materials</i> , 2018, 1, 4203-4210.	5.1	7