

Elena GuillÃ©n

List of Publications by Year in descending order

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16
papers

1,421
citations

759233

12
h-index

996975

15
g-index

16
all docs

16
docs citations

16
times ranked

2595
citing authors

#	ARTICLE	IF	CITATIONS
1	ZnO-Based Dye-Sensitized Solar Cells. <i>Journal of Physical Chemistry C</i> , 2012, 116, 11413-11425.	3.1	520
2	Metal free sensitizer and catalyst for dye sensitized solar cells. <i>Energy and Environmental Science</i> , 2013, 6, 3439.	30.8	365
3	Elucidating Transport-Recombination Mechanisms in Perovskite Solar Cells by Small-Perturbation Techniques. <i>Journal of Physical Chemistry C</i> , 2014, 118, 22913-22922.	3.1	175
4	ZnO solar cells with an indoline sensitizer: a comparison between nanoparticulate films and electrodeposited nanowire arrays. <i>Energy and Environmental Science</i> , 2011, 4, 3400.	30.8	67
5	Perovskite Solar Cells Based on Nanocolumnar Plasma-Deposited ZnO Thin Films. <i>ChemPhysChem</i> , 2014, 15, 1148-1153.	2.1	59
6	A continuity equation for the simulation of the current-voltage curve and the time-dependent properties of dye-sensitized solar cells. <i>Physical Chemistry Chemical Physics</i> , 2012, 14, 10285.	2.8	50
7	Numerical Simulation of the Current-Voltage Curve in Dye-Sensitized Solar Cells. <i>Journal of Physical Chemistry C</i> , 2009, 113, 19722-19731.	3.1	49
8	Preparation and Characterization of Nickel Oxide Photocathodes Sensitized with Colloidal Cadmium Selenide Quantum Dots. <i>Journal of Physical Chemistry C</i> , 2013, 117, 22509-22517.	3.1	38
9	ZnO/ZnO Core-Shell Nanowire Array Electrodes: Blocking of Recombination and Impressive Enhancement of Photovoltage in Dye-Sensitized Solar Cells. <i>Journal of Physical Chemistry C</i> , 2013, 117, 13365-13373.	3.1	32
10	Highly efficient flexible cathodes for dye sensitized solar cells to complement Pt@TCO coatings. <i>Journal of Materials Chemistry A</i> , 2014, 2, 3175.	10.3	22
11	Quantum dot-sensitized solar cells based on directly adsorbed zinc copper indium sulfide colloids. <i>Physical Chemistry Chemical Physics</i> , 2014, 16, 9115-9122.	2.8	20
12	N-Aryl stilbazolium dyes as sensitizers for solar cells. <i>Dyes and Pigments</i> , 2012, 92, 766-777.	3.7	16
13	Ruthenium(II) dichloro or dithiocyanato complexes with 4,4'-bis(2,2',6'-quaterpyridinium) ligands: Towards photosensitisers with enhanced low-energy absorption properties. <i>Polyhedron</i> , 2013, 50, 622-635.	2.2	6
14	Solvent-Free ZnO Dye-Sensitised Solar Cells. <i>ECS Transactions</i> , 2009, 25, 111-122.	0.5	1
15	Comprehensive Environmental Testing of Optical Properties in Thin Films. <i>Procedia CIRP</i> , 2014, 22, 271-276.	1.9	1
16	Solar selective coatings based on carbon: transition metal nanocomposites. , 2015, , .		0