

Agnese Abrusci

List of Publications by Year in descending order

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Version: 2024-02-01

13
papers

1,533
citations

759233

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1199594

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docs citations

14
times ranked

3077
citing authors

#	ARTICLE	IF	CITATIONS
1	High-Performance Perovskite-Polymer Hybrid Solar Cells via Electronic Coupling with Fullerene Monolayers. <i>Nano Letters</i> , 2013, 13, 3124-3128.	9.1	602
2	Dual electron donor/electron acceptor character of a conjugated polymer in efficient photovoltaic diodes. <i>Applied Physics Letters</i> , 2007, 90, 193506.	3.3	223
3	Photoinduced Charge Transfer and Efficient Solar Energy Conversion in a Blend of a Red Polyfluorene Copolymer with CdSe Nanoparticles. <i>Nano Letters</i> , 2006, 6, 1789-1793.	9.1	160
4	Photophysics and Photocurrent Generation in Polythiophene/Polyfluorene Copolymer Blends. <i>Advanced Functional Materials</i> , 2009, 19, 3103-3111.	14.9	96
5	Trap-Induced Losses in Hybrid Photovoltaics. <i>ACS Nano</i> , 2014, 8, 3213-3221.	14.6	84
6	Facile infiltration of semiconducting polymer into mesoporous electrodes for hybrid solar cells. <i>Energy and Environmental Science</i> , 2011, 4, 3051.	30.8	68
7	Influence of Ion Induced Local Coulomb Field and Polarity on Charge Generation and Efficiency in Poly(3-hexylthiophene)-Based Solid-State Dye-Sensitized Solar Cells. <i>Advanced Functional Materials</i> , 2011, 14.9, 21, 2571-2579.	14.9	68
8	Hyperbranched Quasi-1D Nanostructures for Solid-State Dye-Sensitized Solar Cells. <i>ACS Nano</i> , 2013, 7, 10023-10031.	14.6	65
9	Boosting Infrared Light Harvesting by Molecular Functionalization of Metal Oxide/Polymer Interfaces in Efficient Hybrid Solar Cells. <i>Advanced Functional Materials</i> , 2012, 22, 2160-2166.	14.9	49
10	Donor and Acceptor Behavior in a Polyfluorene for Photovoltaics. <i>Journal of Physical Chemistry C</i> , 2007, 111, 5244-5249.	3.1	44
11	The effect of selective interactions at the interface of polymer-oxide hybrid solar cells. <i>Energy and Environmental Science</i> , 2012, 5, 9068.	30.8	42
12	The real TiO ₂ /HTM interface of solid-state dye solar cells: role of trapped states from a multiscale modelling perspective. <i>Nanoscale</i> , 2015, 7, 1136-1144.	5.6	30
13	Multiscale simulation of solid state dye sensitized solar cells including morphology effects. , 2014, , .		1