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List of Publications by Year in descending order

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25 papers	1,373 citations	471509 17 h-index	580821 25 g-index
27 all docs	27 docs citations	27 times ranked	2823 citing authors

#	Article	IF	Citations
1	Nanostructured Organic and Hybrid Solar Cells. Advanced Materials, 2011, 23, 1810-1828.	21.0	300
2	Erroneous efficiency reports harm organic solar cell research. Nature Photonics, 2014, 8, 669-672.	31.4	195
3	Research Update: Physical and electrical characteristics of lead halide perovskites for solar cell applications. APL Materials, 2014, 2, .	5.1	136
4	Toward Highâ€Efficiency Solutionâ€Processed Planar Heterojunction Sb₂S₃ Solar Cells. Advanced Science, 2015, 2, 1500059.	11.2	102
5	Spray-deposited PEDOT:PSS for inverted organic solar cells. Solar Energy Materials and Solar Cells, 2010, 94, 2371-2374.	6.2	80
6	UV light protection through TiO2 blocking layers for inverted organic solar cells. Solar Energy Materials and Solar Cells, 2011, 95, 3450-3454.	6.2	77
7	Discotic materials for organic solar cells: Effects of chemical structure on assembly and performance. Solar Energy Materials and Solar Cells, 2010, 94, 560-567.	6.2	64
8	H-aggregate analysis of P3HT thin films-Capability and limitation of photoluminescence and UV/Vis spectroscopy. Scientific Reports, 2016, 6, 32434.	3.3	53
9	Highâ€speed atmospheric atomic layer deposition of ultra thin amorphous TiO₂ blocking layers at 100â€‰Â°C for inverted bulk heterojunction solar cells. Progress in Photovoltaics: Research and Applications, 2013, 21, 393-400.	8.1	52
10	Perylene Sensitization of Fullerenes for Improved Performance in Organic Photovoltaics. Advanced Energy Materials, 2011, 1, 861-869.	19.5	49
11	Characterization of Interfacial Modifiers for Hybrid Solar Cells. Journal of Physical Chemistry C, 2011, 115, 15081-15088.	3.1	42
12	Influence of Interfacial Area on Exciton Separation and Polaron Recombination in Nanostructured Bilayer All-Polymer Solar Cells. ACS Nano, 2014, 8, 12397-12409.	14.6	41
13	Controlled Growth of TiO2Nanotubes on Conducting Glass. Chemistry of Materials, 2011, 23, 155-162.	6.7	27
14	Uniform Large-Area Free-Standing Silver Nanowire Arrays on Transparent Conducting Substrates. Journal of the Electrochemical Society, 2016, 163, D447-D452.	2.9	25
15	Control of Recombination Pathways in TiO₂ Nanowire Hybrid Solar Cells Using Sn⁴⁺ Dopants. Journal of Physical Chemistry C, 2014, 118, 16672-16679.	3.1	24
16	Decoupling optical and electronic optimization of organic solar cells using high-performance temperature-stable TiO2/Ag/TiO2 electrodes. APL Materials, 2015, 3, .	5.1	21
17	Template-free synthesis of novel, highly-ordered 3D hierarchical Nb₃O₇(OH) superstructures with semiconductive and photoactive properties. Journal of Materials Chemistry A, 2014, 2, 12005.	10.3	18
18	Synergistic effects of interfacial modifiers enhance current and voltage in hybrid solar cells. APL Materials, 2013, 1, .	5.1	16

#	Article	IF	Citations
19	Nanostructured conformal hybrid solar cells: a promising architecture towards complete charge collection and light absorption. Nanoscale Research Letters, 2013, 8, 359.	5.7	13
20	Temperature-Stable and Optically Transparent Thin-Film Zinc Oxide Aerogel Electrodes As Model Systems for 3D Interpenetrating Organicâ€“Inorganic Heterojunction Solar Cells. ACS Applied Materials & Interfaces, 2012, 4, 6522-6529.	8.0	12
21	Perspective: Hybrid solar cells: How to get the polymer to cooperate?. APL Materials, 2013, 1, .	5.1	7
22	Role of charge separation mechanism and local disorder at hybrid solar cell interfaces. Physical Review B, 2015, 91, .	3.2	7
23	Nanoscale investigation on large crystallites in TiO2 nanotube arrays and implications for high-quality hybrid photodiodes. Journal of Materials Science, 2012, 47, 6459-6466.	3.7	5
24	Boosting charge collection efficiency via large-area free-standing Ag/ZnO core-shell nanowire array electrodes. Progress in Natural Science: Materials International, 2019, 29, 124-128.	4.4	5
25	Structure-induced resonant tail-state regime absorption in polymer: fullerene bulk-heterojunction solar cells. Physical Review B, 2016, 93, .	3.2	2