

Dikai Xu

List of Publications by Year in descending order

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10
papers

281
citations

1040056

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h-index

1372567

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10
all docs

10
docs citations

10
times ranked

611
citing authors

#	ARTICLE	IF	CITATIONS
1	Interface coupling in graphene/fluorographene heterostructure for high-performance graphene/silicon solar cells. <i>Nano Energy</i> , 2016, 28, 12-18.	16.0	73
2	High efficiency organic/silicon hybrid solar cells with doping-free selective emitter structure induced by a WO ₃ thin interlayer. <i>Nano Energy</i> , 2015, 16, 54-61.	16.0	45
3	Performance Improvement of Graphene/Silicon Photodetectors Using High Work Function Metal Nanoparticles with Plasma Effect. <i>Advanced Optical Materials</i> , 2018, 6, 1701243.	7.3	32
4	Ambient Engineering for High-Performance Organic-Inorganic Perovskite Hybrid Solar Cells. <i>ACS Applied Materials & Interfaces</i> , 2016, 8, 21505-21511.	8.0	25
5	Fulleropyrrolidinium Iodide As an Efficient Electron Transport Layer for Air-Stable Planar Perovskite Solar Cells. <i>ACS Applied Materials & Interfaces</i> , 2016, 8, 34612-34619.	8.0	24
6	Interface engineering and efficiency improvement of monolayer graphene-silicon solar cells by inserting an ultra-thin LiF interlayer. <i>RSC Advances</i> , 2015, 5, 46480-46484.	3.6	20
7	Illumination-Induced Hole Doping for Performance Improvement of Graphene-Silicon Solar Cells with P3HT Interlayer. <i>Advanced Electronic Materials</i> , 2017, 3, 1600516.	5.1	20
8	Self-generation of a quasi-p-n junction for high efficiency chemical-doping-free graphene/silicon solar cells using a transition metal oxide interlayer. <i>Journal of Materials Chemistry A</i> , 2016, 4, 10558-10565.	10.3	18
9	Room-temperature processed, air-stable and highly efficient graphene/silicon solar cells with an organic interlayer. <i>Journal of Materials Chemistry A</i> , 2016, 4, 11284-11291.	10.3	16
10	Design and Photovoltaic Properties of Graphene/Silicon Solar Cell. <i>Journal of Electronic Materials</i> , 2018, 47, 5025-5032.	2.2	8