

Yuan Yao

List of Publications by Year in descending order

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papers

586
citations

1040056

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14
docs citations

14
times ranked

1125
citing authors

#	ARTICLE	IF	CITATIONS
1	Single-Molecule Nanotechnologies: An Evolution in Biological Dynamics Detection. ACS Applied Bio Materials, 2020, 3, 68-85.	4.6	24
2	Solution processes for ultrabroadband and omnidirectional graded-index glass lenses with near-zero reflectivity in high concentration photovoltaics. Scientific Reports, 2018, 8, 14907.	3.3	4
3	Porous Nanomaterials: Porous Nanomaterials for Ultrabroadband Omnidirectional Anti-Reflection Surfaces with Applications in High Concentration Photovoltaics (Adv. Energy Mater. 7/2017). Advanced Energy Materials, 2017, 7, .	19.5	2
4	Porous Nanomaterials for Ultrabroadband Omnidirectional Anti-Reflection Surfaces with Applications in High Concentration Photovoltaics. Advanced Energy Materials, 2017, 7, 1601992.	19.5	27
5	Optimization of Photon and Electron Collection Efficiencies in Silicon Solar Microcells for Use in Concentration-Based Photovoltaic Systems. Advanced Materials Technologies, 2017, 2, 1700169.	5.8	6
6	Concentrator photovoltaic module architectures with capabilities for capture and conversion of full global solar radiation. Proceedings of the National Academy of Sciences of the United States of America, 2016, 113, E8210-E8218.	7.1	48
7	Roadmap on optical energy conversion. Journal of Optics (United Kingdom), 2016, 18, 073004.	2.2	85
8	Enhanced Photon Collection in Luminescent Solar Concentrators with Distributed Bragg Reflectors. ACS Photonics, 2016, 3, 278-285.	6.6	58
9	Quantum Dot Luminescent Concentrator Cavity Exhibiting 30-fold Concentration. ACS Photonics, 2015, 2, 1576-1583.	6.6	126
10	Nanomembranes and soft fabrication methods for high performance, low cost energy technologies. , 2015, , .		0
11	Luminescent Solar Concentration with Semiconductor Nanorods and Transfer-Printed Micro-Silicon Solar Cells. ACS Nano, 2014, 8, 44-53.	14.6	153
12	Black silicon solar thin-film microcells integrating top nanocone structures for broadband and omnidirectional light-trapping. Nanotechnology, 2014, 25, 305301.	2.6	18
13	Fabrication and assembly of ultrathin high-efficiency silicon solar microcells integrating electrical passivation and anti-reflection coatings. Energy and Environmental Science, 2013, 6, 3071.	30.8	34
14	Organic Semiconductors: Solution-Crystallized Organic Semiconductors with High Carrier Mobility and Air Stability (Adv. Mater. 41/2012). Advanced Materials, 2012, 24, 5518-5518.	21.0	1