

Qiwei Xu

List of Publications by Year in descending order

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Version: 2024-02-01

19
papers

259
citations

932766

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940134

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g-index

19
all docs

19
docs citations

19
times ranked

372
citing authors

#	ARTICLE	IF	CITATIONS
1	Surface Microlenses for Much More Efficient Photodegradation in Water Treatment. ACS ES&T Water, 2022, 2, 644-657.	2.3	8
2	Improving the Light Quality of White Light-Emitting Diodes Using Cellulose Nanocrystal-Filled Phosphors. Advanced Photonics Research, 2021, 2, 2100006.	1.7	7
3	Laser induction of graphene onto lignin-upgraded flexible polymer matrix. Materials Letters, 2021, 286, 129268.	1.3	12
4	Cellulose-upgraded polymer films for radiative sky cooling. Journal of Quantitative Spectroscopy and Radiative Transfer, 2021, 272, 107824.	1.1	9
5	On-chip Ge, InGaAs, and colloidal quantum dot photodetectors: comparisons for application in silicon photonics. Journal of the Optical Society of America B: Optical Physics, 2021, 38, 194.	0.9	3
6	Silicon Surface Passivation for Silicon-Colloidal Quantum Dot Heterojunction Photodetectors. ACS Nano, 2021, 15, 18429-18436.	7.3	20
7	Unusual Surface Ligand Doping-Induced p-Type Quantum Dot Solids and Their Application in Solar Cells. ACS Applied Materials & Interfaces, 2020, 12, 53942-53949.	4.0	9
8	Ultrafast Colloidal Quantum Dot Infrared Photodiode. ACS Photonics, 2020, 7, 1297-1303.	3.2	40
9	Control of Femtoliter Liquid on a Microlens: A Way to Flexible Dual-Microlens Arrays. ACS Applied Materials & Interfaces, 2019, 11, 27386-27393.	4.0	18
10	Single-Walled Carbon Nanotube Based Triboelectric Flexible Touch Sensors. Journal of Electronic Materials, 2019, 48, 7411-7416.	1.0	8
11	Surface-Modified Substrates for Quantum Dot Inks in Printed Electronics. ACS Omega, 2019, 4, 4161-4168.	1.6	15
12	Reducing shadowing losses in silicon solar cells using cellulose nanocrystal: polymer hybrid diffusers. Applied Optics, 2019, 58, 2505.	0.9	15
13	Nanocrystal-filled polymer for improving angular color uniformity of phosphor-converted white LEDs. Applied Optics, 2019, 58, 7649.	0.9	4
14	On-chip colloidal quantum dot devices with a CMOS compatible architecture for near-infrared light sensing. Optics Letters, 2019, 44, 463.	1.7	14
15	Triboelectric flexible sensors employing single-walled carbon nanotube field-effect transistors. , 2018, , .		0
16	Extraordinary Focusing Effect of Surface Nanolenses in Total Internal Reflection Mode. ACS Central Science, 2018, 4, 1511-1519.	5.3	13
17	Inverse Opal Photonic Crystals as an Optofluidic Platform for Fast Analysis of Hydrocarbon Mixtures. ACS Applied Materials & Interfaces, 2018, 10, 20120-20127.	4.0	9
18	Cellulose Nanocrystal:Polymer Hybrid Optical Diffusers for Index-Matching-Free Light Management in Optoelectronic Devices. Advanced Optical Materials, 2017, 5, 1700430.	3.6	43

#	ARTICLE	IF	CITATIONS
19	Field-effect enhanced triboelectric colloidal quantum dot flexible sensor. Applied Physics Letters, 2017, 111, .	1.5	12