

Qiwei Xu

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/5324064/publications.pdf>

Version: 2024-02-01

19
papers

259
citations

933264

10
h-index

940416

16
g-index

19
all docs

19
docs citations

19
times ranked

372
citing authors

#	ARTICLE	IF	CITATIONS
1	Cellulose Nanocrystal:Polymer Hybrid Optical Diffusers for Index Matching Free Light Management in Optoelectronic Devices. <i>Advanced Optical Materials</i> , 2017, 5, 1700430.	3.6	43
2	Ultrafast Colloidal Quantum Dot Infrared Photodiode. <i>ACS Photonics</i> , 2020, 7, 1297-1303.	3.2	40
3	Silicon Surface Passivation for Silicon-Colloidal Quantum Dot Heterojunction Photodetectors. <i>ACS Nano</i> , 2021, 15, 18429-18436.	7.3	20
4	Control of Femtoliter Liquid on a Microlens: A Way to Flexible Dual-Microlens Arrays. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 27386-27393.	4.0	18
5	Surface-Modified Substrates for Quantum Dot Inks in Printed Electronics. <i>ACS Omega</i> , 2019, 4, 4161-4168.	1.6	15
6	Reducing shadowing losses in silicon solar cells using cellulose nanocrystal: polymer hybrid diffusers. <i>Applied Optics</i> , 2019, 58, 2505.	0.9	15
7	On-chip colloidal quantum dot devices with a CMOS compatible architecture for near-infrared light sensing. <i>Optics Letters</i> , 2019, 44, 463.	1.7	14
8	Extraordinary Focusing Effect of Surface Nanolenses in Total Internal Reflection Mode. <i>ACS Central Science</i> , 2018, 4, 1511-1519.	5.3	13
9	Field-effect enhanced triboelectric colloidal quantum dot flexible sensor. <i>Applied Physics Letters</i> , 2017, 111, .	1.5	12
10	Laser induction of graphene onto lignin-upgraded flexible polymer matrix. <i>Materials Letters</i> , 2021, 286, 129268.	1.3	12
11	Inverse Opal Photonic Crystals as an Optofluidic Platform for Fast Analysis of Hydrocarbon Mixtures. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 20120-20127.	4.0	9
12	Unusual Surface Ligand Doping-Induced p-Type Quantum Dot Solids and Their Application in Solar Cells. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 53942-53949.	4.0	9
13	Cellulose-upgraded polymer films for radiative sky cooling. <i>Journal of Quantitative Spectroscopy and Radiative Transfer</i> , 2021, 272, 107824.	1.1	9
14	Single-Walled Carbon Nanotube Based Triboelectric Flexible Touch Sensors. <i>Journal of Electronic Materials</i> , 2019, 48, 7411-7416.	1.0	8
15	Surface Microlenses for Much More Efficient Photodegradation in Water Treatment. <i>ACS ES&T Water</i> , 2022, 2, 644-657.	2.3	8
16	Improving the Light Quality of White Light Emitting Diodes Using Cellulose Nanocrystal Filled Phosphors. <i>Advanced Photonics Research</i> , 2021, 2, 2100006.	1.7	7
17	Nanocrystal-filled polymer for improving angular color uniformity of phosphor-converted white LEDs. <i>Applied Optics</i> , 2019, 58, 7649.	0.9	4
18	On-chip Ge, InGaAs, and colloidal quantum dot photodetectors: comparisons for application in silicon photonics. <i>Journal of the Optical Society of America B: Optical Physics</i> , 2021, 38, 194.	0.9	3

#	ARTICLE	IF	CITATIONS
19	Triboelectric flexible sensors employing single-walled carbon nanotube field-effect transistors. , 2018, , .		0