

Qinghong Zheng

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/6556699/publications.pdf>

Version: 2024-02-01

26
papers

658
citations

687363

13
h-index

552781

26
g-index

26
all docs

26
docs citations

26
times ranked

994
citing authors

#	ARTICLE	IF	CITATIONS
1	MgZnO-based metal-semiconductor-metal solar-blind photodetectors on ZnO substrates. Applied Physics Letters, 2011, 98, 221112.	3.3	96
2	Strategy for Preparing Al-Doped ZnO Thin Film with High Mobility and High Stability. Crystal Growth and Design, 2011, 11, 21-25.	3.0	65
3	A flexible ultraviolet photodetector based on single crystalline MoO ₃ nanosheets. Journal of Materials Chemistry C, 2015, 3, 7469-7475.	5.5	64
4	High-Responsivity Solar-Blind Photodetector Based on $\text{Mg}_{0.46}\text{Zn}_{0.54}\text{O}$ Thin Film. IEEE Electron Device Letters, 2012, 33, 1033-1035.	3.9	60
5	Research progress in ZnO single-crystal: growth, scientific understanding, and device applications. Science Bulletin, 2014, 59, 1235-1250.	1.7	50
6	Flexible ultraviolet photodetector based ZnO film sputtered on paper. Vacuum, 2020, 172, 109089.	3.5	38
7	From Straw to Device Interface: Carboxymethylâ€Celluloseâ€Based Modified Interlayer for Enhanced Power Conversion Efficiency of Organic Solar Cells. Advanced Science, 2020, 7, 1902269.	11.2	34
8	Fabrication and Energy Band Alignment of n-ZnO/p-CuI Heterojunction. IEEE Electron Device Letters, 2012, 33, 1750-1752.	3.9	32
9	A Strategy of Transparent Conductive Oxide for UV Focal Plane Array Detector: Twoâ€Step Thermodynamic Process. Advanced Electronic Materials, 2016, 2, 1600320.	5.1	25
10	Self-Powered UV-B Photodetector Based on Hybrid Al:MgZnO/PEDOT:PSS Schottky Diode. IEEE Electron Device Letters, 2017, 38, 79-82.	3.9	20
11	Urea/NaOH system for enhancing the removal of hemicellulose from cellulosic fibers. Cellulose, 2019, 26, 6393-6400.	4.9	18
12	Transparent and conductive cellulose film by controllably growing aluminum doped zinc oxide on regenerated cellulose film. Cellulose, 2020, 27, 4847-4855.	4.9	16
13	A high-performance nanobridged MoO ₃ UV photodetector based on nanojunctions with switching characteristics. Nanotechnology, 2017, 28, 045202.	2.6	15
14	Cellulose-based flexible organic light-emitting diodes with enhanced stability and external quantum efficiency. Journal of Materials Chemistry C, 2021, 9, 4496-4504.	5.5	15
15	High-Sensitivity Multiresponses Cellulose-Based Actuators with Configurable Amplitude. ACS Sustainable Chemistry and Engineering, 2022, 10, 6414-6425.	6.7	15
16	Tailoring the hole concentration in superlattices based on nitride alloys. Applied Physics Letters, 2009, 94, .	3.3	13
17	Preparation of highly visible transparent ZnO/cellophane UV-shielding film by RF magnetron sputtering. Ceramics International, 2019, 45, 3729-3734.	4.8	13
18	Performance improvement of InGaN/GaN light-emitting diodes with triangular- shaped multiple quantum wells. Semiconductor Science and Technology, 2009, 24, 125003.	2.0	12

#	ARTICLE	IF	CITATIONS
19	A new approach to improve dissolving pulp properties: spraying cellulase on rewetted pulp at a high fiber consistency. <i>Cellulose</i> , 2018, 25, 6989-7002.	4.9	11
20	Dark current suppression of MgZnO metal-semiconductor-metal solar-blind ultraviolet photodetector by asymmetric electrode structures. <i>Optics Letters</i> , 2014, 39, 375.	3.3	10
21	An environmentally friendly and highly transparent ZnO/cellulose nanocomposite membrane for UV sensing and shielding. <i>Cellulose</i> , 2022, 29, 4439-4453.	4.9	10
22	High Performance UV-B Photodetector Based on Highly (200)-Oriented SnO ₂ Film With a Hydrophobic PTFE Passivation Layer. <i>IEEE Sensors Journal</i> , 2021, 21, 9825-9832.	4.7	6
23	Highly transparent RCF/PTFE humidity and IR light dual-driven actuator with high force density, sensitivity and stability. <i>Applied Surface Science</i> , 2022, 572, 151502.	6.1	6
24	Dependence of structural and optoelectronic properties of sputtered Mg _{0.50} Zn _{0.50} O films on substrate. <i>CrystEngComm</i> , 2013, 15, 2709.	2.6	5
25	Effect of polarization roughness scattering (PRS) on two-dimensional electron transport of MgZnO/ZnO heterostructures. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , 2013, 54, 341-345.	2.7	5
26	Al-doped ZnO thin film enhancing the photo-catalytic bactericidal performance on the (100) plane of ZnO single crystal. <i>Catalysis Today</i> , 2014, 224, 188-192.	4.4	4