

# Qinghong Zheng

## List of Publications by Year in descending order

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26  
papers

658  
citations

687363

13  
h-index

552781

26  
g-index

26  
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26  
docs citations

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times ranked

994  
citing authors

#	ARTICLE	IF	CITATIONS
1	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
2	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
3	High-Sensitivity Multiresponses Cellulose-Based Actuators with Configurable Amplitude. <i>ACS Sustainable Chemistry and Engineering</i> , 2022, 10, 6414-6425.	6.7	15
4	High Performance UV-B Photodetector Based on Highly (200)-Oriented SnO <sub>2</sub> Film With a Hydrophobic PTFE Passivation Layer. <i>IEEE Sensors Journal</i> , 2021, 21, 9825-9832.	4.7	6
5	Cellulose-based flexible organic light-emitting diodes with enhanced stability and external quantum efficiency. <i>Journal of Materials Chemistry C</i> , 2021, 9, 4496-4504.	5.5	15
6	From Straw to Device Interface: Carboxymethyl-Cellulose-Based Modified Interlayer for Enhanced Power Conversion Efficiency of Organic Solar Cells. <i>Advanced Science</i> , 2020, 7, 1902269.	11.2	34
7	Flexible ultraviolet photodetector based ZnO film sputtered on paper. <i>Vacuum</i> , 2020, 172, 109089.	3.5	38
8	Transparent and conductive cellulose film by controllably growing aluminum doped zinc oxide on regenerated cellulose film. <i>Cellulose</i> , 2020, 27, 4847-4855.	4.9	16
9	Urea/NaOH system for enhancing the removal of hemicellulose from cellulosic fibers. <i>Cellulose</i> , 2019, 26, 6393-6400.	4.9	18
10	Preparation of highly visible transparent ZnO/cellophane UV-shielding film by RF magnetron sputtering. <i>Ceramics International</i> , 2019, 45, 3729-3734.	4.8	13
11	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
12	Self-Powered UV-B Photodetector Based on Hybrid Al:MgZnO/PEDOT:PSS Schottky Diode. <i>IEEE Electron Device Letters</i> , 2017, 38, 79-82.	3.9	20
13	A high-performance nanobridged MoO <sub>3</sub> UV photodetector based on nanojunctions with switching characteristics. <i>Nanotechnology</i> , 2017, 28, 045202.	2.6	15
14	A Strategy of Transparent Conductive Oxide for UV Focal Plane Array Detector: Two-Step Thermodynamic Process. <i>Advanced Electronic Materials</i> , 2016, 2, 1600320.	5.1	25
15	A flexible ultraviolet photodetector based on single crystalline MoO <sub>3</sub> nanosheets. <i>Journal of Materials Chemistry C</i> , 2015, 3, 7469-7475.	5.5	64
16	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
17	Research progress in ZnO single-crystal: growth, scientific understanding, and device applications. <i>Science Bulletin</i> , 2014, 59, 1235-1250.	1.7	50
18	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

#	ARTICLE	IF	CITATIONS
19	Dependence of structural and optoelectronic properties of sputtered Mg <sub>0.50</sub> Zn <sub>0.50</sub> films on substrate. CrystEngComm, 2013, 15, 2709.	2.6	5
20	Effect of polarization roughness scattering (PRS) on two-dimensional electron transport of MgZnO/ZnO heterostructures. Physica E: Low-Dimensional Systems and Nanostructures, 2013, 54, 341-345.	2.7	5
21	Fabrication and Energy Band Alignment of n-ZnO/p-CuI Heterojunction. IEEE Electron Device Letters, 2012, 33, 1750-1752.	3.9	32
22	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
23	MgZnO-based metal-semiconductor-metal solar-blind photodetectors on ZnO substrates. Applied Physics Letters, 2011, 98, 221112.	3.3	96
24	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
25	Tailoring the hole concentration in superlattices based on nitride alloys. Applied Physics Letters, 2009, 94, .	3.3	13
26	Performance improvement of InGaN/GaN light-emitting diodes with triangular-shaped multiple quantum wells. Semiconductor Science and Technology, 2009, 24, 125003.	2.0	12