

# Zhiyuan Cheng

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/5078543/publications.pdf>

Version: 2024-02-01

20  
papers

278  
citations

1163117

8  
h-index

1058476

14  
g-index

21  
all docs

21  
docs citations

21  
times ranked

579  
citing authors

#	ARTICLE	IF	CITATIONS
1	A Broadband Fluorographene Photodetector. <i>Advanced Materials</i> , 2017, 29, 1700463.	21.0	110
2	Designing an Efficient Multimode Environmental Sensor Based on Graphene-Silicon Heterojunction. <i>Advanced Materials Technologies</i> , 2017, 2, 1600262.	5.8	55
3	Broader color gamut of color-modulating optical coating display based on indium tin oxide and phase change materials. <i>Applied Optics</i> , 2018, 57, 3385.	1.8	21
4	Intratendon delivery of leukocyte-rich platelet-rich plasma at early stage promotes tendon repair in a rabbit Achilles tendinopathy model. <i>Journal of Tissue Engineering and Regenerative Medicine</i> , 2020, 14, 452-463.	2.7	15
5	Multi-color modulation of solid-state display based on thermally induced color changes of indium tin oxide and phase changing materials. <i>Optics Express</i> , 2017, 25, 1405.	3.4	14
6	Novel Biphasically and Reversibly Transparent Phase Change Material to Solve the Thermal Issues in Transparent Electronics. <i>ACS Applied Materials &amp; Interfaces</i> , 2022, 14, 31245-31256.	8.0	11
7	Enhancing Light Extraction Efficiency of Vertical Emission of AlGaIn Nanowire Light Emitting Diodes With Photonic Crystal. <i>IEEE Photonics Journal</i> , 2019, 11, 1-9.	2.0	9
8	High-performance broadband photoresponse of self-powered Mg <sub>2</sub> Si/Si photodetectors. <i>Nanotechnology</i> , 2022, 33, 115202.	2.6	9
9	Optimization AlGaIn/GaN HEMT with Field Plate Structures. <i>Micromachines</i> , 2022, 13, 702.	2.9	9
10	Platelet-rich gel-incorporated silk scaffold promotes meniscus regeneration in a rabbit total meniscectomy model. <i>Regenerative Medicine</i> , 2019, 14, 753-768.	1.7	5
11	Pulse waveform analysis for pregnancy diagnosis based on machine learning. , 2018, , .		4
12	Detection of extremity chronic traumatic osteomyelitis by machine learning based on computed-tomography images. <i>Medicine (United States)</i> , 2020, 99, e19239.	1.0	4
13	Epitaxy of GaN in high aspect ratio nanoscale holes over silicon substrate. <i>Applied Physics Letters</i> , 2017, 111, .	3.3	3
14	Study of a phenomenon of high error WL in mixed read and program operations in 3-D NAND flash. , 2019, , .		3
15	Long-Term Stability and Optoelectronic Performance Enhancement of InAsP Nanowires with an Ultrathin InP Passivation Layer. <i>Nano Letters</i> , 2022, 22, 3433-3439.	9.1	3
16	Improving 3D NAND Flash Memory Read Performance by Modeling the Read Offset. , 2019, , .		2
17	Photodetectors: A Broadband Fluorographene Photodetector ( <i>Adv. Mater.</i> 22/2017). <i>Advanced Materials</i> , 2017, 29, .	21.0	1
18	The epitaxy of GaN in deep and submicron holes over Si substrate. , 2016, , .		0

#	ARTICLE	IF	CITATIONS
19	A Novel Three-Layer Color-Modulating Optical Coating Non-volatile Display Structure based on Phase Change Material. , 2018, , .		0
20	Hydrogen induced quality improvement of GaNAs layers grown by chemical beam epitaxy. Journal of Crystal Growth, 2018, 500, 11-14.	1.5	0