

Zhiyuan Cheng

List of Publications by Year in descending order

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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	High-performance broadband photoresponse of self-powered Mg ₂ /Si/Si photodetectors. Nanotechnology, 2022, 33, 115202.	2.6	9
2	Long-Term Stability and Optoelectronic Performance Enhancement of InAsP Nanowires with an Ultrathin InP Passivation Layer. Nano Letters, 2022, 22, 3433-3439.	9.1	3
3	Optimization AlGaIn/GaN HEMT with Field Plate Structures. Micromachines, 2022, 13, 702.	2.9	9
4	Novel Biphasically and Reversibly Transparent Phase Change Material to Solve the Thermal Issues in Transparent Electronics. ACS Applied Materials & Interfaces, 2022, 14, 31245-31256.	8.0	11
5	Intratendon delivery of leukocyte-rich platelet-rich plasma at early stage promotes tendon repair in a rabbit Achilles tendinopathy model. Journal of Tissue Engineering and Regenerative Medicine, 2020, 14, 452-463.	2.7	15
6	Detection of extremity chronic traumatic osteomyelitis by machine learning based on computed-tomography images. Medicine (United States), 2020, 99, e19239.	1.0	4
7	Study of a phenomenon of high error WL in mixed read and program operations in 3-D NAND flash. , 2019, , .		3
8	Platelet-rich gel-incorporated silk scaffold promotes meniscus regeneration in a rabbit total meniscectomy model. Regenerative Medicine, 2019, 14, 753-768.	1.7	5
9	Enhancing Light Extraction Efficiency of Vertical Emission of AlGaIn Nanowire Light Emitting Diodes With Photonic Crystal. IEEE Photonics Journal, 2019, 11, 1-9.	2.0	9
10	Improving 3D NAND Flash Memory Read Performance by Modeling the Read Offset. , 2019, , .		2
11	A Novel Three-Layer Color-Modulating Optical Coating Non-volatile Display Structure based on Phase Change Material. , 2018, , .		0
12	Pulse waveform analysis for pregnancy diagnosis based on machine learning. , 2018, , .		4
13	Broader color gamut of color-modulating optical coating display based on indium tin oxide and phase change materials. Applied Optics, 2018, 57, 3385.	1.8	21
14	Hydrogen induced quality improvement of GaNAs layers grown by chemical beam epitaxy. Journal of Crystal Growth, 2018, 500, 11-14.	1.5	0
15	Designing an Efficient Multimode Environmental Sensor Based on Graphene-Silicon Heterojunction. Advanced Materials Technologies, 2017, 2, 1600262.	5.8	55
16	Photodetectors: A Broadband Fluorographene Photodetector (Adv. Mater. 22/2017). Advanced Materials, 2017, 29, .	21.0	1
17	A Broadband Fluorographene Photodetector. Advanced Materials, 2017, 29, 1700463.	21.0	110
18	Epitaxy of GaN in high aspect ratio nanoscale holes over silicon substrate. Applied Physics Letters, 2017, 111, .	3.3	3

#	ARTICLE	IF	CITATIONS
19	Multi-color modulation of solid-state display based on thermally induced color changes of indium tin oxide and phase changing materials. Optics Express, 2017, 25, 1405.	3.4	14
20	The epitaxy of GaN in deep and submicron holes over Si substrate. , 2016, , .		0