

# Zheng Gong

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/790327/publications.pdf>

Version: 2024-02-01

23  
papers

1,085  
citations

840119

11  
h-index

887659

17  
g-index

23  
all docs

23  
docs citations

23  
times ranked

1047  
citing authors

#	ARTICLE	IF	CITATIONS
1	Large-scale programmable assembly of functional micro-components for advanced electronics via light-regulated adhesion and polymer growth. <i>Npj Flexible Electronics</i> , 2022, 6, .	5.1	14
2	Effective defect passivation of CsPbBr <sub>3</sub> quantum dots using gallium cations toward the fabrication of bright perovskite LEDs. <i>Journal of Materials Chemistry C</i> , 2021, 9, 11324-11330.	2.7	11
3	Study of the Correlation between the Amorphous Indium-Gallium-Zinc Oxide Film Quality and the Thin-Film Transistor Performance. <i>Nanomaterials</i> , 2021, 11, 522.	1.9	10
4	Layer-Scale and Chip-Scale Transfer Techniques for Functional Devices and Systems: A Review. <i>Nanomaterials</i> , 2021, 11, 842.	1.9	22
5	18.3: Tape-assisted laser transfer techniques for selective transfer of MicroLEDs with high placement accuracy. <i>Digest of Technical Papers SID International Symposium</i> , 2021, 52, 242-243.	0.1	1
6	High-Performance Inorganically Connected CuInSe <sub>2</sub> Nanocrystal Thin-Film Transistors and Integrated Circuits Based on the Solution Process of Colloidal Synthesis, Ligand Exchange, and Surface Treatment. <i>Chemistry of Materials</i> , 2021, 33, 8775-8785.	3.2	4
7	Wafer-scale MicroLEDs Transferred onto an Adhesive Film for Planar and Flexible Displays. <i>Advanced Materials Technologies</i> , 2020, 5, 2000549.	3.0	27
8	Direct LED writing of submicron resist patterns: Towards the fabrication of individually-addressable InGaN submicron stripe-shaped LED arrays. <i>Nano Research</i> , 2014, 7, 1849-1860.	5.8	6
9	Characteristics and applications of micro-pixelated GaN-based light emitting diodes on Si substrates. <i>Journal of Applied Physics</i> , 2014, 115, .	1.1	92
10	MicroLED pumped polymer laser: A discussion of future pump sources for organic lasers. <i>Laser and Photonics Reviews</i> , 2013, 7, 1065-1078.	4.4	59
11	Characteristics and applications of InGaN micro-light emitting diodes on Si substrates. , 2013, , .		0
12	CMOS-Controlled Color-Tunable Smart Display. <i>IEEE Photonics Journal</i> , 2012, 4, 1639-1646.	1.0	44
13	Directly color-tunable smart display based on a CMOS-controlled micro-LED array. , 2012, , .		9
14	Size-dependent efficiency and efficiency droop of blue InGaN micro-light emitting diodes. <i>Applied Physics Letters</i> , 2012, 101, .	1.5	222
15	Ultra-portable explosives sensor based on a CMOS fluorescence lifetime analysis micro-system. <i>AIP Advances</i> , 2011, 1, 032115.	0.6	16
16	Inkjet-printed silver nanoparticle electrodes on GaN-based micro-structured light-emitting diodes. <i>Applied Physics A: Materials Science and Processing</i> , 2011, 104, 1003-1009.	1.1	6
17	Flexible vertical structure GaN-based light emitting diodes on an AuSn substrate. , 2011, , .		3
18	Hybrid GaN/organic polymer photonic crystal LED. , 2011, , .		0

#	ARTICLE	IF	CITATIONS
19	High-Speed Visible Light Communications Using Individual Pixels in a Micro Light-Emitting Diode Array. IEEE Photonics Technology Letters, 2010, 22, 1346-1348.	1.3	210
20	Size-dependent light output, spectral shift, and self-heating of 400 nm InGaN light-emitting diodes. Journal of Applied Physics, 2010, 107, .	1.1	255
21	Individually-addressable III-nitride micro-LED arrays for integrated CMOS control. , 2009, , .		0
22	Individually Addressable AlInGaN Micro-LED Arrays With CMOS Control and Subnanosecond Output Pulses. IEEE Photonics Technology Letters, 2009, 21, 811-813.	1.3	73
23	A vertically integrated CMOS micro-system for time-resolved fluorescence analysis. , 2009, , .		1