

# Zheng Gong

## List of Publications by Year in descending order

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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	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
2	Size-dependent efficiency and efficiency droop of blue InGaN micro-light emitting diodes. Applied Physics Letters, 2012, 101, .	1.5	222
3	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
4	Characteristics and applications of micro-pixelated GaN-based light emitting diodes on Si substrates. Journal of Applied Physics, 2014, 115, .	1.1	92
5	Individually Addressable AlInGaN Micro-LED Arrays With CMOS Control and Subnanosecond Output Pulses. IEEE Photonics Technology Letters, 2009, 21, 811-813.	1.3	73
6	Micro-LED pumped polymer laser: A discussion of future pump sources for organic lasers. Laser and Photonics Reviews, 2013, 7, 1065-1078.	4.4	59
7	CMOS-Controlled Color-Tunable Smart Display. IEEE Photonics Journal, 2012, 4, 1639-1646.	1.0	44
8	Wafer-Scale Micro-LEDs Transferred onto an Adhesive Film for Planar and Flexible Displays. Advanced Materials Technologies, 2020, 5, 2000549.	3.0	27
9	Layer-Scale and Chip-Scale Transfer Techniques for Functional Devices and Systems: A Review. Nanomaterials, 2021, 11, 842.	1.9	22
10	Ultra-portable explosives sensor based on a CMOS fluorescence lifetime analysis micro-system. AIP Advances, 2011, 1, 032115.	0.6	16
11	Large-scale programmable assembly of functional micro-components for advanced electronics via light-regulated adhesion and polymer growth. Npj Flexible Electronics, 2022, 6, .	5.1	14
12	Effective defect passivation of CsPbBr <sub>3</sub> quantum dots using gallium cations toward the fabrication of bright perovskite LEDs. Journal of Materials Chemistry C, 2021, 9, 11324-11330.	2.7	11
13	Study of the Correlation between the Amorphous Indium-Gallium-Zinc Oxide Film Quality and the Thin-Film Transistor Performance. Nanomaterials, 2021, 11, 522.	1.9	10
14	Directly color-tunable smart display based on a CMOS-controlled micro-LED array. , 2012, , .		9
15	Inkjet-printed silver nanoparticle electrodes on GaN-based micro-structured light-emitting diodes. Applied Physics A: Materials Science and Processing, 2011, 104, 1003-1009.	1.1	6
16	Direct LED writing of submicron resist patterns: Towards the fabrication of individually-addressable InGaN submicron stripe-shaped LED arrays. Nano Research, 2014, 7, 1849-1860.	5.8	6
17	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. Chemistry of Materials, 2021, 33, 8775-8785.	3.2	4
18	Flexible vertical structure GaN-based light emitting diodes on an AuSn substrate. , 2011, , .		3

#	ARTICLE	IF	CITATIONS
19	A vertically integrated CMOS micro-system for time-resolved fluorescence analysis. , 2009, , .		1
20	18.3: Tape-assisted laser transfer techniques for selective transfer of Micro-LEDs with high placement accuracy. Digest of Technical Papers SID International Symposium, 2021, 52, 242-243.	0.1	1
21	Individually-addressable III-nitride micro-LED arrays for integrated CMOS control. , 2009, , .		0
22	Hybrid GaN/organic polymer photonic crystal LED. , 2011, , .		0
23	Characteristics and applications of InGaN micro-light emitting diodes on Si substrates. , 2013, , .		0