

Zheng Gong

List of Publications by Year in descending order

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23
papers

1,085
citations

840776
11
h-index

888059
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. Npj Flexible Electronics, 2022, 6, .	10.7	14
2	Effective defect passivation of CsPbBr ₃ quantum dots using gallium cations toward the fabrication of bright perovskite LEDs. Journal of Materials Chemistry C, 2021, 9, 11324-11330.	5.5	11
3	Study of the Correlation between the Amorphous Indium-Gallium-Zinc Oxide Film Quality and the Thin-Film Transistor Performance. Nanomaterials, 2021, 11, 522.	4.1	10
4	Layer-Scale and Chip-Scale Transfer Techniques for Functional Devices and Systems: A Review. Nanomaterials, 2021, 11, 842.	4.1	22
5	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.	0.3	1
6	High-Performance Inorganically Connected CuInSe ₂ 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.	6.7	4
7	Wafer-scale Micro-LEDs Transferred onto an Adhesive Film for Planar and Flexible Displays. Advanced Materials Technologies, 2020, 5, 2000549.	5.8	27
8	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.	10.4	6
9	Characteristics and applications of micro-pixelated GaN-based light emitting diodes on Si substrates. Journal of Applied Physics, 2014, 115, .	2.5	92
10	Micro-LED pumped polymer laser: A discussion of future pump sources for organic lasers. Laser and Photonics Reviews, 2013, 7, 1065-1078.	8.7	59
11	Characteristics and applications of InGaN micro-light emitting diodes on Si substrates. , 2013, , .		0
12	CMOS-Controlled Color-Tunable Smart Display. IEEE Photonics Journal, 2012, 4, 1639-1646.	2.0	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. Applied Physics Letters, 2012, 101, .	3.3	222
15	Ultra-portable explosives sensor based on a CMOS fluorescence lifetime analysis micro-system. AIP Advances, 2011, 1, 032115.	1.3	16
16	Inkjet-printed silver nanoparticle electrodes on GaN-based micro-structured light-emitting diodes. Applied Physics A: Materials Science and Processing, 2011, 104, 1003-1009.	2.3	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.	2.5	210
20	Size-dependent light output, spectral shift, and self-heating of 400 nm InGaN light-emitting diodes. Journal of Applied Physics, 2010, 107, .	2.5	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.	2.5	73
23	A vertically integrated CMOS micro-system for time-resolved fluorescence analysis. , 2009, , .		1