

Cheng Zhang

List of Publications by Year in descending order

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17
papers

505
citations

840776

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h-index

1058476

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17
docs citations

17
times ranked

791
citing authors

#	ARTICLE	IF	CITATIONS
1	Elimination of Stacking Faults in Semipolar GaN and Light-Emitting Diodes Grown on Sapphire. ACS Applied Materials & Interfaces, 2019, 11, 33140-33146.	8.0	38
2	Thermal transport of nanoporous gallium nitride for photonic applications. Journal of Applied Physics, 2019, 125, .	2.5	17
3	Distributed Bragg Reflectors for GaN-Based Vertical-Cavity Surface-Emitting Lasers. Applied Sciences (Switzerland), 2019, 9, 1593.	2.5	50
4	Development of nanopore-based near ultraviolet vertical-cavity surface emitting lasers. , 2019, , .		3
5	Toward Quantitative Electrochemical Nanomachining of III-Nitrides. Journal of the Electrochemical Society, 2018, 165, E513-E520.	2.9	18
6	InGaN/GaN microdisks enabled by nanoporous GaN cladding. Optics Letters, 2018, 43, 5567.	3.3	17
7	Electrochemically sliced low loss AlGaIn optical microresonators. Applied Physics Letters, 2017, 110, .	3.3	11
8	High-Q, Low-Threshold Monolithic Perovskite Thin-Film Vertical-Cavity Lasers. Advanced Materials, 2017, 29, 1604781.	21.0	112
9	A resonant-cavity blue-violet light-emitting diode with conductive nanoporous distributed Bragg reflector. Physica Status Solidi (A) Applications and Materials Science, 2017, 214, 1600866.	1.8	10
10	Optical Engineering of Modal Gain in a III-Nitride Laser with Nanoporous GaN. ACS Photonics, 2016, 3, 1604-1610.	6.6	33
11	(Invited) New Directions in GaN Photonics Enabled by Electrochemical Processes. ECS Transactions, 2016, 72, 47-56.	0.5	5
12	New directions in GaN photonics. , 2016, , .		2
13	Hybrid Perovskite Vertical-Cavity Surface-Emitting Laser Deploying Nanoporous GaN Dielectric Reflector Technology. , 2016, , .		1
14	Significantly Improved Luminescence Properties of Nitrogen-Polar (0001...) InGaIn Multiple Quantum Wells Grown by Pulsed Metalorganic Chemical Vapor Deposition. ACS Applied Materials & Interfaces, 2015, 7, 273-278.	8.0	15
15	(Invited) Applications of Electrochemistry for Novel Wide Bandgap GaN Devices. ECS Transactions, 2015, 66, 143-149.	0.5	2
16	Mesoporous GaN for Photonic Engineering—Highly Reflective GaN Mirrors as an Example. ACS Photonics, 2015, 2, 980-986.	6.6	129
17	Fabrication of Wafer-Size Monolayer Close-Packed Colloidal Crystals via Slope Self-Assembly and Thermal Treatment. Langmuir, 2013, 29, 14017-14023.	3.5	42