

Cheng Zhang

List of Publications by Year in descending order

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papers

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840776

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17
times ranked

791
citing authors

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