Gangyi Zhu

List of Publications by Year
in descending order

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Version: 2024-02-01

28 papers	765 citations	687220 13 h-index	552653 26 g-index
28 all docs	28 docs citations	28 times ranked	1237 citing authors

#	Article	IF	Citations
1	Boosting Two-Dimensional MoS₂/CsPbBr₃ Photodetectors via Enhanced Light Absorbance and Interfacial Carrier Separation. ACS Applied Materials & Interfaces, 2018, 10, 2801-2809.	4.0	207
2	Whisperingâ€gallery mode lasing in ZnO microcavities. Laser and Photonics Reviews, 2014, 8, 469-494.	4.4	115
3	Facile synthesis of highly conductive sulfur-doped reduced graphene oxide sheets. Physical Chemistry Chemical Physics, 2016, 18, 1125-1130.	1.3	103
4	Lasing Behavior Modulation for ZnO Whispering-Gallery Microcavities. ACS Applied Materials & Interfaces, 2012, 4, 6195-6201.	4.0	44
5	Ultraviolet electroluminescence from horizontal ZnO microrods/GaN heterojunction light-emitting diode array. Applied Physics Letters, 2012, 101, 041110.	1.5	36
6	Temperature-dependent photoluminescence properties of mixed-cation methylammoniumâ€“formamidium lead iodide [HC(NH₂)₂]_x [CH₃NH₃]_{1â^'x}PbI₃ perovskite nanostructures. Journal of Materials Chemistry C, 2017, 5, 12057-12061.	2.7	36
7	Single-mode ultraviolet whispering gallery mode lasing from a floating GaN microdisk. Optics Letters, 2018, 43, 647.	1.7	33
8	Unidirectional ultraviolet whispering gallery mode lasing from floating asymmetric circle GaN microdisk. Applied Physics Letters, 2017, 111, .	1.5	25
9	Electro-pumped whispering gallery mode ZnO microlaser array. Applied Physics Letters, 2015, 106, 021111.	1.5	22
10	Whispering-Gallery Mode Lasing in a Floating GaN Microdisk with a Vertical Slit. Scientific Reports, 2020, 10, 253.	1.6	22
11	A facile preparation route for highly conductive borate cross-linked reduced graphene oxide paper. New Journal of Chemistry, 2015, 39, 6907-6913.	1.4	17
12	Photoluminescenceâ€Induced Fourâ€Wave Mixing Generation in a Monolayerâ€MoS₂â€Cladded GaN Microdisk Resonator. Laser and Photonics Reviews, 2021, 15, 2000459.	4.4	17
13	Ultraviolet electroluminescence from n-ZnO/i-MgO/p+-GaN heterojunction light-emitting diodes fabricated by RF-magnetron sputtering. Applied Physics B: Lasers and Optics, 2012, 109, 195-199.	1.1	15
14	p-GaN/n-ZnO Nanorod/CsPbBr3 Quantum Dots Decorated with ZnO Nanoseeds for Light-Emitting Diodes. ACS Applied Nano Materials, 2019, 2, 7661-7668.	2.4	12
15	Terahertz Detectors for 6G Technology Using Quantum Dot 3D Concave Convergence Microwheel Arrays. ACS Photonics, 2022, 9, 2520-2527.	3.2	12
16	Different wavelength ranges' WGM lasing from a ZnO microrod/R6G:PMMA microcavity. Europhysics Letters, 2015, 110, 67007.	0.7	8
17	Floating GaN whispering gallery mode micro-ring lasing with Bursteinâ€“Moss effect. AIP Advances, 2020, 10, .	0.6	7
18	GaN micro-chimney cavity laser. Optics Communications, 2020, 474, 126054.	1.0	6

#	Article	IF	Citations
19	Unidirectional single-mode lasing realization and temperature-induced mode switching in asymmetric GaN coupled cavities. Nanoscale, 2022, 14, 1921-1928.	2.8	5
20	Thermal effect induced dynamically lasing mode tuning in GaN whispering gallery microcavities. Journal Physics D: Applied Physics, 2021, 54, 255103.	1.3	4
21	Electrically driven optical resonance of spherical ZnO whispering gallery mode microcavity. Applied Physics Letters, 2021, 119, .	1.5	4
22	Research Progress of Gallium Nitride Microdisk Cavity Laser. Frontiers in Materials, 2022, 9, .	1.2	4
23	Converging lasing from floating GaN Penrose microcavity. Europhysics Letters, 2019, 127, 24001.	0.7	3
24	Crescent-shaped shadow of second harmonic generation in dielectric microsphere/TMD monolayer heterostructure. Journal Physics D: Applied Physics, 2022, 55, 325301.	1.3	3
25	Manganese ion-assisted assembly of superparamagnetic graphene oxide microbowls. Applied Physics Letters, 2014, 104, 121602.	1.5	2
26	Realizing single-mode lasing in all-inorganic CsPbBr3 perovskite microwires using intrinsic self-absorption. Applied Physics Letters, 2022, 120, .	1.5	2
27	Side-mode suppression in ultraviolet quasi-semicircle microlaser cavity. Modern Physics Letters B, 2020, 34, 2050330.	1.0	1
28	Fabrication and Characterization of n-ZnO Nanonails Array/p⁺-GaN Heterojunction Diode. Journal of Nanoscience and Nanotechnology, 2012, 12, 7950-7953.	0.9	0