

# Gangyi Zhu

## List of Publications by Year in descending order

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28  
papers

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citations

687220

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times ranked

1237  
citing authors

#	ARTICLE	IF	CITATIONS
1	Unidirectional single-mode lasing realization and temperature-induced mode switching in asymmetric GaN coupled cavities. <i>Nanoscale</i> , 2022, 14, 1921-1928.	2.8	5
2	Research Progress of Gallium Nitride Microdisk Cavity Laser. <i>Frontiers in Materials</i> , 2022, 9, .	1.2	4
3	Realizing single-mode lasing in all-inorganic CsPbBr <sub>3</sub> perovskite microwires using intrinsic self-absorption. <i>Applied Physics Letters</i> , 2022, 120, .	1.5	2
4	Crescent-shaped shadow of second harmonic generation in dielectric microsphere/TMD monolayer heterostructure. <i>Journal Physics D: Applied Physics</i> , 2022, 55, 325301.	1.3	3
5	Terahertz Detectors for 6G Technology Using Quantum Dot 3D Concave Convergence Microwheel Arrays. <i>ACS Photonics</i> , 2022, 9, 2520-2527.	3.2	12
6	Photoluminescence-Induced Four-Wave Mixing Generation in a Monolayer-MoS <sub>2</sub> -Cladded GaN Microdisk Resonator. <i>Laser and Photonics Reviews</i> , 2021, 15, 2000459.	4.4	17
7	Thermal effect induced dynamically lasing mode tuning in GaN whispering gallery microcavities. <i>Journal Physics D: Applied Physics</i> , 2021, 54, 255103.	1.3	4
8	Electrically driven optical resonance of spherical ZnO whispering gallery mode microcavity. <i>Applied Physics Letters</i> , 2021, 119, .	1.5	4
9	Floating GaN whispering gallery mode micro-ring lasing with Burstein-Moss effect. <i>AIP Advances</i> , 2020, 10, .	0.6	7
10	Side-mode suppression in ultraviolet quasi-semicircle microlaser cavity. <i>Modern Physics Letters B</i> , 2020, 34, 2050330.	1.0	1
11	GaN micro-chimney cavity laser. <i>Optics Communications</i> , 2020, 474, 126054.	1.0	6
12	Whispering-Gallery Mode Lasing in a Floating GaN Microdisk with a Vertical Slit. <i>Scientific Reports</i> , 2020, 10, 253.	1.6	22
13	Converging lasing from floating GaN Penrose microcavity. <i>Europhysics Letters</i> , 2019, 127, 24001.	0.7	3
14	p-GaN/n-ZnO Nanorod/CsPbBr <sub>3</sub> Quantum Dots Decorated with ZnO Nanoseeds for Light-Emitting Diodes. <i>ACS Applied Nano Materials</i> , 2019, 2, 7661-7668.	2.4	12
15	Boosting Two-Dimensional MoS <sub>2</sub> /CsPbBr <sub>3</sub> Photodetectors via Enhanced Light Absorbance and Interfacial Carrier Separation. <i>ACS Applied Materials &amp; Interfaces</i> , 2018, 10, 2801-2809.	4.0	207
16	Single-mode ultraviolet whispering gallery mode lasing from a floating GaN microdisk. <i>Optics Letters</i> , 2018, 43, 647.	1.7	33
17	Temperature-dependent photoluminescence properties of mixed-cation methylammonium-formamidium lead iodide [HC(NH <sub>2</sub> ) <sub>2</sub> ] <sub>x</sub> [CH <sub>3</sub> NH <sub>2</sub> ] <sub>1-x</sub> PbI <sub>3</sub> perovskite nanostructures. <i>Journal of Materials Chemistry C</i> , 2017, 5, 12057-12061.	2.7	36
18	Unidirectional ultraviolet whispering gallery mode lasing from floating asymmetric circle GaN microdisk. <i>Applied Physics Letters</i> , 2017, 111, .	1.5	25

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19	Facile synthesis of highly conductive sulfur-doped reduced graphene oxide sheets. <i>Physical Chemistry Chemical Physics</i> , 2016, 18, 1125-1130.	1.3	103
20	Electro-pumped whispering gallery mode ZnO microlaser array. <i>Applied Physics Letters</i> , 2015, 106, 021111.	1.5	22
21	A facile preparation route for highly conductive borate cross-linked reduced graphene oxide paper. <i>New Journal of Chemistry</i> , 2015, 39, 6907-6913.	1.4	17
22	Different wavelength ranges' WGM lasing from a ZnO microrod/R6G:PMMA microcavity. <i>Europhysics Letters</i> , 2015, 110, 67007.	0.7	8
23	Manganese ion-assisted assembly of superparamagnetic graphene oxide microbowls. <i>Applied Physics Letters</i> , 2014, 104, 121602.	1.5	2
24	Whispering gallery mode lasing in ZnO microcavities. <i>Laser and Photonics Reviews</i> , 2014, 8, 469-494.	4.4	115
25	Fabrication and Characterization of n-ZnO Nanonails Array/p-GaN Heterojunction Diode. <i>Journal of Nanoscience and Nanotechnology</i> , 2012, 12, 7950-7953.	0.9	0
26	Ultraviolet electroluminescence from n-ZnO/i-MgO/p-GaN heterojunction light-emitting diodes fabricated by RF-magnetron sputtering. <i>Applied Physics B: Lasers and Optics</i> , 2012, 109, 195-199.	1.1	15
27	Ultraviolet electroluminescence from horizontal ZnO microrods/GaN heterojunction light-emitting diode array. <i>Applied Physics Letters</i> , 2012, 101, 041110.	1.5	36
28	Lasing Behavior Modulation for ZnO Whispering-Gallery Microcavities. <i>ACS Applied Materials &amp; Interfaces</i> , 2012, 4, 6195-6201.	4.0	44