Chaoyang Gong

List of Publications by Year
in descending order

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28 papers	600 citations	623188 14 h-index	610482 24 g-index
28 all docs	28 docs citations	28 times ranked	446 citing authors

#	Article	IF	Citations
1	Tunable Optical Vortex from a Nanogroove-Structured Optofluidic Microlaser. Nano Letters, 2022, 22, 1425-1432.	4.5	8
2	Multicolor Light Mixing in Optofluidic Concave Interfaces for Anticounterfeiting with Deep Learning Authentication. ACS Applied Materials & Interfaces, 2022, 14, 10927-10935.	4.0	7
3	Fiber Optofluidic Microlasers: Structures, Characteristics, and Applications. Laser and Photonics Reviews, 2022, 16, .	4.4	32
4	Direct Imaging of Weakâ€toâ€Strongâ€Coupling Dynamics in Biological Plasmonâ€“Exciton Systems. Laser and Photonics Reviews, 2022, 16, .	4.4	3
5	Bioresponsive microlasers with tunable lasing wavelength. Nanoscale, 2021, 13, 1608-1615.	2.8	16
6	A sequentially bioconjugated optofluidic laser for wash-out-free and rapid biomolecular detection. Lab on A Chip, 2021, 21, 1686-1693.	3.1	18
7	Recent Progress in Fiber Optofluidic Lasing and Sensing. Photonic Sensors, 2021, 11, 262-278.	2.5	8
8	Topological Encoded Vector Beams for Monitoring Amyloidâ€Lipid Interactions in Microcavity. Advanced Science, 2021, 8, 2100096.	5.6	11
9	Programmable Rainbow-Colored Optofluidic Fiber Laser Encoded with Topologically Structured Chiral Droplets. ACS Nano, 2021, 15, 11126-11136.	7.3	24
10	Liquid crystal-amplified optofluidic biosensor for ultra-highly sensitive and stable protein assay. PhotoniX, 2021, 2, 18.	5.5	35
11	Self-Assembled Biophotonic Lasing Network Driven by Amyloid Fibrils in Microcavities. ACS Nano, 2021, 15, 15007-15016.	7.3	5
12	Cellular Features Revealed by Transverse Laser Modes in Frequency Domain. Advanced Science, 2021, , 2103550.	5.6	5
13	DC-Biased Optofluidic Biolaser for Uric Acid Detection. Journal of Lightwave Technology, 2020, 38, 1557-1563.	2.7	9
14	Distinguishing Small Molecules in Microcavity with Molecular Laser Polarization. ACS Photonics, 2020, 7, 1908-1914.	3.2	23
15	Microalgae living sensor for metal ion detection with nanocavity-enhanced photoelectrochemistry. Biosensors and Bioelectronics, 2020, 165, 112420.	5.3	34
16	Mass production of thin-walled hollow optical fibers enables disposable optofluidic laser immunosensors. Lab on A Chip, 2020, 20, 923-930.	3.1	32
17	Highly Reproducible, Isotropic Optofluidic Laser Based on Hollow Optical Fiber. IEEE Journal of Selected Topics in Quantum Electronics, 2019, 25, 1-6.	1.9	12
18	Optofluidic laser explosive sensor with ultralow detection limit and large dynamic range using donor-acceptor-donor organic dye. Sensors and Actuators B: Chemical, 2019, 298, 126830.	4.0	14

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19	Fiber Optofluidic Technology Based on Optical Force and Photothermal Effects. Micromachines, 2019, 10, 499.	1.4	9
20	Turbidimetric inhibition immunoassay revisited to enhance its sensitivity via an optofluidic laser. Biosensors and Bioelectronics, 2019, 131, 60-66.	5.3	64
21	Pseudo Whispering Gallery Mode Optofluidic Lasing Based on Air-Clad Optical Fiber. Journal of Lightwave Technology, 2019, 37, 2623-2627.	2.7	11
22	Distributed fibre optofluidic laser for chip-scale arrayed biochemical sensing. Lab on A Chip, 2018, 18, 2741-2748.	3.1	57
23	Sub-molecular-layer level protein detection using disposable fiber optofluidic laser. , 2018, , .		1
24	Sensitive sulfide ion detection by optofluidic catalytic laser using horseradish peroxidase (HRP) enzyme. Biosensors and Bioelectronics, 2017, 96, 351-357.	5.3	54
25	Reproducible fiber optofluidic laser for disposable and array applications. Lab on A Chip, 2017, 17, 3431-3436.	3.1	50
26	Tuning the strength of intramolecular charge-transfer of triene-based nonlinear optical dyes for electro-optics and optofluidic lasers. Journal of Materials Chemistry C, 2017, 5, 7472-7478.	2.7	38
27	Sensitive optofluidic flow rate sensor based on laser heating and microring resonator. Microfluidics and Nanofluidics, 2015, 19, 1497-1505.	1.0	18
28	Multifunctional Laser Imaging of Cancer Cell Secretion with Hybrid Liquid Crystal Resonators. Laser and Photonics Reviews, 0, , 2100734.	4.4	2