

Binbin Wang

List of Publications by Year in descending order

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Version: 2024-02-01

15
papers

173
citations

1307594

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1281871

11
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all docs

15
docs citations

15
times ranked

180
citing authors

#	ARTICLE	IF	CITATIONS
1	Reduced Lasing Thresholds in GeSn Microdisk Cavities with Defect Management of the Optically Active Region. ACS Photonics, 2020, 7, 2713-2722.	6.6	42
2	Nanoscale plasmonic TM-pass polarizer integrated on silicon photonics. Nanoscale, 2019, 11, 20685-20692.	5.6	28
3	Plasmonic-Based Subwavelength Graphene-on-hBN Modulator on Silicon Photonics. IEEE Journal of Selected Topics in Quantum Electronics, 2019, 25, 1-6.	2.9	23
4	GeSnOI mid-infrared laser technology. Light: Science and Applications, 2021, 10, 232.	16.6	18
5	In-plane electric field confinement engineering in graphene-based hybrid plasmonic waveguides. Applied Optics, 2019, 58, 7503.	1.8	15
6	Prediction of multiple resonance characteristics by an extended resistorâ€“inductorâ€“capacitor circuit model for plasmonic metamaterials absorbers in infrared. Optics Letters, 2015, 40, 4432.	3.3	14
7	Fano resonance from a one-dimensional topological photonic crystal. APL Photonics, 2021, 6, 086105.	5.7	14
8	High-Efficiency Second-Harmonic and Sum-Frequency Generation in a Silicon Nitride Microring Integrated with Few-Layer GaSe. ACS Photonics, 2022, 9, 1671-1678.	6.6	8
9	Optical nanoheating of resonant silicon nanoparticles. Optics Express, 2019, 27, 30971.	3.4	6
10	Near-field probing of dielectric screening by hexagonal boron nitride in graphene integrated on silicon photonics. Nanotechnology, 2021, 32, 315207.	2.6	3
11	Exciting Magnetic Dipole Mode of Split-Ring Plasmonic Nano-Resonator by Photonic Crystal Nanocavity. Materials, 2021, 14, 7330.	2.9	2
12	Plasmonic absorption nanoantenna for frequency selective mid-infrared detection. Proceedings of SPIE, 2013, , .	0.8	0
13	Multiplex-bands spectral characteristics of infrared perfect absorber metamaterials. , 2013, , .		0
14	A polarization-sensitive mid-infrared plasmonic absorber for multi-band resonance. Proceedings of SPIE, 2014, , .	0.8	0
15	(Invited) Tensile Strain Engineering and Defects Management in GeSn Laser Cavities. ECS Meeting Abstracts, 2020, MA2020-02, 1709-1709.	0.0	0