

# Binbin Wang

## List of Publications by Year in descending order

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15  
papers

173  
citations

1307594

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h-index

1281871

11  
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docs citations

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times ranked

180  
citing authors

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