

# Yonghao Liu

## List of Publications by Year in descending order

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Version: 2024-02-01

25  
papers

729  
citations

840776

11  
h-index

940533

16  
g-index

25  
all docs

25  
docs citations

25  
times ranked

1117  
citing authors

#	ARTICLE	IF	CITATIONS
1	Bioresorbable optical sensor systems for monitoring of intracranial pressure and temperature. Science Advances, 2019, 5, eaaw1899.	10.3	146
2	Optical Refractive Index Sensing Based on High-Q Bound States in the Continuum in Free-Space Coupled Photonic Crystal Slabs. Sensors, 2017, 17, 1861.	3.8	105
3	Approaching total absorption at near infrared in a large area monolayer graphene by critical coupling. Applied Physics Letters, 2014, 105, 181105.	3.3	103
4	Bioresorbable photonic devices for the spectroscopic characterization of physiological status and neural activity. Nature Biomedical Engineering, 2019, 3, 644-654.	22.5	98
5	High quality factor photonic crystal filter at $k \approx 0$ and its application for refractive index sensing. Optics Express, 2017, 25, 10536.	3.4	55
6	Flexible Transient Optical Waveguides and Surface-Wave Biosensors Constructed from Monocrystalline Silicon. Advanced Materials, 2018, 30, e1801584.	21.0	55
7	Optofluidic Fano resonance photonic crystal refractometric sensors. Applied Physics Letters, 2017, 110, .	3.3	41
8	Reconfigurable Integrated Optofluidic Droplet Laser Arrays. ACS Applied Materials & Interfaces, 2020, 12, 26936-26942.	8.0	31
9	Optofluidic vapor sensing with free-space coupled 2D photonic crystal slabs. Scientific Reports, 2019, 9, 4209.	3.3	22
10	Polycrystalline GeSn thin films on Si formed by alloy evaporation. Applied Physics Express, 2015, 8, 061301.	2.4	20
11	Transfer Printed Nanomembranes for Heterogeneously Integrated Membrane Photonics. Photonics, 2015, 2, 1081-1100.	2.0	14
12	Coupled Bilayer Photonic Crystal Slab Electro-Optic Spatial Light Modulators. IEEE Photonics Journal, 2017, 9, 1-11.	2.0	11
13	Photonic crystal bandedge membrane lasers on silicon. Applied Optics, 2017, 56, H67.	1.8	11
14	Amorphous Si/SiO <sub>2</sub> distributed Bragg reflectors with transfer printed single-crystalline Si nanomembranes. Journal of Vacuum Science and Technology B: Nanotechnology and Microelectronics, 2016, 34, .	1.2	10
15	Athermal Photonic Crystal Membrane Reflectors on Diamond. IEEE Photonics Technology Letters, 2015, 27, 1072-1075.	2.5	3
16	Optofluidic Double-layer Fano Resonance Photonic Crystal Slab Liquid Sensors. , 2015, , .		2
17	Free-space coupled silicon photonic crystal refractometric membrane sensors. , 2017, , .		1
18	Optical Waveguides: Flexible Transient Optical Waveguides and Surface-Wave Biosensors Constructed from Monocrystalline Silicon (Adv. Mater. 32/2018). Advanced Materials, 2018, 30, 1870239.	21.0	1

#	ARTICLE	IF	CITATIONS
19	Thermally engineered photonic crystal membrane reflectors based on transferred nanomembranes on diamond. , 2014, , .		0
20	High-Q resonance near zero wave vector in photonic crystal slab for label-free sensing. Proceedings of SPIE, 2017, , .	0.8	0
21	Photonic Crystal Surface-Emitting Lasers on Bulk Silicon Substrate. , 2017, , .		0
22	Photonic crystal surface-emitting lasers on silicon substrates. , 2017, , .		0
23	Refractive index liquid sensing based on bound states in photonic crystal slabs. , 2017, , .		0
24	Toward a Multi-Species Gas Sensor on a Chip. , 2017, , .		0
25	Chemical vapor sensing in photonic crystal slabs. , 2017, , .		0