

Yonghao Liu

List of Publications by Year in descending order

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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	Reconfigurable Integrated Optofluidic Droplet Laser Arrays. ACS Applied Materials & Interfaces, 2020, 12, 26936-26942.	8.0	31
2	Bioresorbable photonic devices for the spectroscopic characterization of physiological status and neural activity. Nature Biomedical Engineering, 2019, 3, 644-654.	22.5	98
3	Bioresorbable optical sensor systems for monitoring of intracranial pressure and temperature. Science Advances, 2019, 5, eaaw1899.	10.3	146
4	Optofluidic vapor sensing with free-space coupled 2D photonic crystal slabs. Scientific Reports, 2019, 9, 4209.	3.3	22
5	Flexible Transient Optical Waveguides and Surface-Wave Biosensors Constructed from Monocrystalline Silicon. Advanced Materials, 2018, 30, e1801584.	21.0	55
6	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
7	High-Q resonance near zero wave vector in photonic crystal slab for label-free sensing. Proceedings of SPIE, 2017, , .	0.8	0
8	Coupled Bilayer Photonic Crystal Slab Electro-Optic Spatial Light Modulators. IEEE Photonics Journal, 2017, 9, 1-11.	2.0	11
9	Optofluidic Fano resonance photonic crystal refractometric sensors. Applied Physics Letters, 2017, 110, .	3.3	41
10	Free-space coupled silicon photonic crystal refractometric membrane sensors. , 2017, , .		1
11	Photonic crystal bandedge membrane lasers on silicon. Applied Optics, 2017, 56, H67.	1.8	11
12	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
13	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
14	Photonic Crystal Surface-Emitting Lasers on Bulk Silicon Substrate. , 2017, , .		0
15	Photonic crystal surface-emitting lasers on silicon substrates. , 2017, , .		0
16	Refractive index liquid sensing based on bound states in photonic crystal slabs. , 2017, , .		0
17	Toward a Multi-Species Gas Sensor on a Chip. , 2017, , .		0
18	Chemical vapor sensing in photonic crystal slabs. , 2017, , .		0

#	ARTICLE	IF	CITATIONS
19	Amorphous Si/SiO ₂ 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
20	Transfer Printed Nanomembranes for Heterogeneously Integrated Membrane Photonics. Photonics, 2015, 2, 1081-1100.	2.0	14
21	Polycrystalline GeSn thin films on Si formed by alloy evaporation. Applied Physics Express, 2015, 8, 061301.	2.4	20
22	Athermal Photonic Crystal Membrane Reflectors on Diamond. IEEE Photonics Technology Letters, 2015, 27, 1072-1075.	2.5	3
23	Optofluidic Double-layer Fano Resonance Photonic Crystal Slab Liquid Sensors. , 2015, , .		2
24	Thermally engineered photonic crystal membrane reflectors based on transferred nanomembranes on diamond. , 2014, , .		0
25	Approaching total absorption at near infrared in a large area monolayer graphene by critical coupling. Applied Physics Letters, 2014, 105, 181105.	3.3	103