

# Yongyao Chen

## List of Publications by Year in descending order

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Version: 2024-02-01

19  
papers

647  
citations

1040056

9  
h-index

940533

16  
g-index

20  
all docs

20  
docs citations

20  
times ranked

758  
citing authors

#	ARTICLE	IF	CITATIONS
1	An Improved Strain Sensor Based on Long-Period Fiber Grating With a Local Ellipse-Core Structure. IEEE Sensors Journal, 2022, 22, 11756-11762.	4.7	2
2	Research on Ultrabroadband Acoustic Absorbers Based on Slow-wave Metamaterials. , 2021, , .		2
3	Low-Cost Fiber Optic Cantilever Accelerometer With a Spherical Tip Based on Gaussian Beam Focusing. IEEE Photonics Journal, 2021, 13, 1-6.	2.0	4
4	Miniature Fiber Optic Acoustic Pressure Sensors With Air-Backed Graphene Diaphragms. Journal of Vibration and Acoustics, Transactions of the ASME, 2019, 141, .	1.6	15
5	Planar photonic crystal based multifunctional sensors. Applied Optics, 2017, 56, 1775.	2.1	9
6	Planar photonic crystal based multifunctional sensors: publisher's note. Applied Optics, 2017, 56, 2397.	2.1	0
7	Multi-parameter Sensing Platforms based on Plasmonic Structures and Planar Photonic Crystals. , 2017, , .		0
8	Characterization of wave physics in acoustic metamaterials using a fiber optic point detector. Applied Physics Letters, 2016, 108, .	3.3	9
9	Low cost, high performance white-light fiber-optic hydrophone system with a trackable working point. Optics Express, 2016, 24, 19008.	3.4	38
10	On-fiber plasmonic interferometer for multi-parameter sensing. Optics Express, 2015, 23, 10732.	3.4	32
11	Enhanced acoustic sensing through wave compression and pressure amplification in anisotropic metamaterials. Nature Communications, 2014, 5, 5247.	12.8	158
12	Tunable out-of-plane slow light in resonance induced transparent grating waveguide structures. Applied Physics Letters, 2013, 103, 061109.	3.3	7
13	Acoustic rainbow trapping. Scientific Reports, 2013, 3, .	3.3	240
14	Membrane metamaterial resonators with a sharp resonance: A comprehensive study towards practical terahertz filters and sensors. AIP Advances, 2012, 2, .	1.3	30
15	Trapping and releasing light by mechanical implementation in metamaterial waveguides. Journal of the Optical Society of America A: Optics and Image Science, and Vision, 2011, 28, 272.	1.5	11
16	Application of effective index method to higher order modes of photonic crystal fibers. Microwave and Optical Technology Letters, 2007, 49, 567-570.	1.4	1
17	Bandgap properties of KagomÃ© photonic crystal fibers. Applied Physics B: Lasers and Optics, 2007, 86, 235-242.	2.2	3
18	Effective surface plasmon polaritons on the metal wire with arrays of subwavelength grooves. Optics Express, 2006, 14, 13021.	3.4	58

#	ARTICLE	IF	CITATIONS
19	Solution of the fundamental space-filling mode of photonic crystal fibers: numerical method versus analytical approaches. <i>Applied Physics B: Lasers and Optics</i> , 2006, 85, 597-601.	2.2	28