

# Yizheng Zhu

## List of Publications by Year in descending order

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22  
papers

628  
citations

933264

10  
h-index

839398

18  
g-index

22  
all docs

22  
docs citations

22  
times ranked

586  
citing authors

#	ARTICLE	IF	CITATIONS
1	Sapphire-fiber-based white-light interferometric sensor for high-temperature measurements. Optics Letters, 2005, 30, 711.	1.7	130
2	Miniature fiber-optic pressure sensor. IEEE Photonics Technology Letters, 2005, 17, 447-449.	1.3	118
3	High-temperature fiber-tip pressure sensor. Journal of Lightwave Technology, 2006, 24, 861-869.	2.7	108
4	Intrinsic Fabry-Pe/spl acute/rot fiber sensor for temperature and strain measurements. IEEE Photonics Technology Letters, 2005, 17, 2403-2405.	1.3	94
5	Surface-mount sapphire interferometric temperature sensor. Applied Optics, 2006, 45, 6071.	2.1	39
6	All-Sapphire Miniature Optical Fiber Tip Sensor for High Temperature Measurement. Journal of Lightwave Technology, 2020, 38, 1988-1997.	2.7	25
7	Maximum Likelihood Estimation of Optical Path Length in Spectral Interferometry. Journal of Lightwave Technology, 2017, 35, 4880-4887.	2.7	21
8	Spectral modulation interferometry for quantitative phase imaging. Biomedical Optics Express, 2015, 6, 473.	1.5	20
9	Phase sensitivity of off-axis digital holography. Optics Letters, 2018, 43, 4993.	1.7	13
10	Sensitivity evaluation of quantitative phase imaging: a study of wavelength shifting interferometry. Optics Letters, 2017, 42, 1088.	1.7	12
11	Integrated quantitative phase and birefringence microscopy for imaging malaria-infected red blood cells. Journal of Biomedical Optics, 2016, 21, 090501.	1.4	10
12	Quantitative polarized light microscopy using spectral multiplexing interferometry. Optics Letters, 2015, 40, 2622.	1.7	8
13	Phase sensitivity evaluation and its application to phase shifting interferometry. Methods, 2018, 136, 50-59.	1.9	8
14	Optical Fiber High-Temperature Sensors. Optics and Photonics News, 2009, 20, 26.	0.4	7
15	Cramerâ€™Rao Bound for Frequency Estimation of Spectral Interference and Its Shot Noise-Limited Behavior. IEEE Journal of Selected Topics in Quantum Electronics, 2017, 23, 410-416.	1.9	6
16	Fiber-optic high-temperature sensing system and its field application. , 2007, , .		2
17	Interferometric spectroscopy and high-speed orientation detection of individual gold nanorods. Nanoscale, 2020, 12, 2613-2625.	2.8	2
18	Miniature All-Sapphire Single-Crystal Fiber Fabry-Perot Sensor Fabricated by Femtosecond Laser Micro-machining and CO2 Laser Welding. , 2020, , .		2

#	ARTICLE	IF	CITATIONS
19	In-plane and out-of-plane deformations of gilt utero-sacral ligaments. Journal of the Mechanical Behavior of Biomedical Materials, 2022, 131, 105249.	1.5	2
20	12-ns Frequency Chirped Pulse for Self-Calibrated Gas Sensing. IEEE Photonics Technology Letters, 2020, 32, 710-713.	1.3	1
21	Performance assessment of interferometric sensing. , 2019, , .		0
22	Miniature Fiber-Optic Temperature Sensor with All-Sapphire Structure and Its Field Evaluation. , 2021, , .		0