Hanzheng Wang

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/11668527/publications.pdf

Version: 2024-02-01

20	593	516710 16	839539 18
papers	citations	h-index	g-index

20	20	20	702
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Polymer optical fiber for large strain measurement based on multimode interference. Optics Letters, 2012, 37, 4308.	3.3	75
2	All-in-fiber optofluidic sensor fabricated by femtosecond laser assisted chemical etching. Optics Letters, 2014, 39, 2358.	3.3	62
3	Fiber inline Michelson interferometer fabricated by a femtosecond laser. Optics Letters, 2012, 37, 4489.	3.3	57
4	Modified watershed technique and post-processing for segmentation of skin lesions in dermoscopy images. Computerized Medical Imaging and Graphics, 2011, 35, 116-120.	5.8	55
5	Fiber pigtailed thin wall capillary coupler for excitation of microsphere WGM resonator. Optics Express, 2013, 21, 15834.	3.4	45
6	Temperature compensated refractometer based on a cascaded SMS/LPFG fiber structure. Sensors and Actuators B: Chemical, 2014, 198, 384-387.	7.8	45
7	Watershed segmentation of dermoscopy images using a watershed technique. Skin Research and Technology, 2010, 16, 378-84.	1.6	39
8	Fiber-Optic-Based Micro-Probe Using Hexagonal 1-in-6 Fiber Configuration for Intracellular Single-Cell pH Measurement. Analytical Chemistry, 2015, 87, 7171-7179.	6.5	29
9	Reflection-based phase-shifted long period fiber grating for simultaneous measurement of temperature and refractive index. Optical Engineering, 2013, 52, 014404.	1.0	28
10	Turn-around point long-period fiber grating fabricated by CO2 laser for refractive index sensing. Sensors and Actuators B: Chemical, 2013, 177, 1149-1155.	7.8	27
11	Integrated chemical vapor sensor based on thin wall capillary coupled porous glass microsphere optical resonator. Sensors and Actuators B: Chemical, 2015, 216, 332-336.	7.8	25
12	Comparison of Silica and Sapphire Fiber SERS Probes Fabricated by a Femtosecond Laser. IEEE Photonics Technology Letters, 2014, 26, 1299-1302.	2.5	24
13	Reflection based extraordinary optical transmission fiber optic probe for refractive index sensing. Sensors and Actuators B: Chemical, 2014, 193, 95-99.	7.8	23
14	Optical microresonator based on hollow sphere with porous wall for chemical sensing. Optics Letters, 2012, 37, 94.	3.3	21
15	Reflection-mode micro-spherical fiber-optic probes for in vitro real-time and single-cell level pH sensing. Sensors and Actuators B: Chemical, 2015, 207, 571-580.	7.8	18
16	Stress-induced birefringence and fabrication of in-fiber polarization devices by controlled femtosecond laser irradiations. Optics Express, 2016, 24, 1062.	3.4	16
17	A novel SERS substrate based on silver nanoparticles-capsulated single porous glass microsphere. , 2016, , .		2
18	Fiber pigtailed thin wall capillary coupler for excitation of microsphere WGM resonator in chemical sensing. Proceedings of SPIE, 2014, , .	0.8	1

#	Article	IF	Citations
19	Integrated microsphere whispering gallery mode probe for highly sensitive refractive index measurement. Optical Engineering, 2016, 55, 067105.	1.0	1
20	Miniaturized optical fiber Fabry-Perot interferometer fabricated by femtosecond laser irradiation and selective chemical etching. , 2014, , .		0