

Bobo Gu

List of Publications by Year in descending order

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49
papers

2,052
citations

257450

24
h-index

265206

42
g-index

49
all docs

49
docs citations

49
times ranked

2932
citing authors

#	ARTICLE	IF	CITATIONS
1	Precise Two-Photon Photodynamic Therapy using an Efficient Photosensitizer with Aggregation-Induced Emission Characteristics. <i>Advanced Materials</i> , 2017, 29, 1701076.	21.0	258
2	Lasing in nanocomposite random media. <i>Nano Today</i> , 2015, 10, 168-192.	11.9	239
3	Recent development of fiber-optic chemical sensors and biosensors: Mechanisms, materials, micro/nano-fabrications and applications. <i>Coordination Chemistry Reviews</i> , 2018, 376, 348-392.	18.8	179
4	Low-cost high-performance fiber-optic pH sensor based on thin-core fiber modal interferometer. <i>Optics Express</i> , 2009, 17, 22296.	3.4	146
5	Optical fiber relative humidity sensor based on FBC incorporated thin-core fiber modal interferometer. <i>Optics Express</i> , 2011, 19, 4140.	3.4	110
6	Molecular nonlinear optics: recent advances and applications. <i>Advances in Optics and Photonics</i> , 2016, 8, 328.	25.5	100
7	Fiber-optic refractive-index sensors based on transmissive and reflective thin-core fiber modal interferometers. <i>Optics Communications</i> , 2010, 283, 2136-2139.	2.1	95
8	Recent advances in copper sulphide-based nanoheterostructures. <i>Chemical Society Reviews</i> , 2019, 48, 4950-4965.	38.1	85
9	Functionalized 2D nanomaterials for gene delivery applications. <i>Coordination Chemistry Reviews</i> , 2017, 347, 77-97.	18.8	73
10	Nucleolus-Targeted Photodynamic Anticancer Therapy Using Renal-Clearable Carbon Dots. <i>Advanced Healthcare Materials</i> , 2020, 9, e2000607.	7.6	61
11	Optical trapping-assisted SERS platform for chemical and biosensing applications: Design perspectives. <i>Coordination Chemistry Reviews</i> , 2017, 339, 138-152.	18.8	58
12	Reflective liquid level sensor based on modes conversion in thin-core fiber incorporating tilted fiber Bragg grating. <i>Optics Express</i> , 2014, 22, 11834.	3.4	55
13	Highly sensitive and fast responsive fiber-optic modal interferometric pH sensor based on polyelectrolyte complex and polyelectrolyte self-assembled nanocoating. <i>Analytical and Bioanalytical Chemistry</i> , 2011, 399, 3623-3631.	3.7	49
14	Simple and compact reflective refractometer based on tilted fiber Bragg grating inscribed in thin-core fiber. <i>Optics Letters</i> , 2014, 39, 22.	3.3	48
15	Nonlinear fiber-optic strain sensor based on four-wave mixing in microstructured optical fiber. <i>Optics Letters</i> , 2012, 37, 794.	3.3	46
16	Binary Organic Nanoparticles with Bright Aggregation-Induced Emission for Three-Photon Brain Vascular Imaging. <i>Chemistry of Materials</i> , 2020, 32, 6437-6443.	6.7	41
17	Biocompatible Fiber-Optic pH Sensor Based on Optical Fiber Modal Interferometer Self-Assembled With Sodium Alginate/Polyethylenimine Coating. <i>IEEE Sensors Journal</i> , 2012, 12, 1477-1482.	4.7	39
18	Strategies to Overcome the Limitations of AIEgens in Biomedical Applications. <i>Small Methods</i> , 2018, 2, 1700392.	8.6	37

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19	Cladding-Mode-Recoupling-Based Tilted Fiber Bragg Grating Sensor With a Core-Diameter-Mismatched Fiber Section. <i>IEEE Photonics Journal</i> , 2010, 2, 152-157.	2.0	36
20	Resonance Raman Probes for Organelle-Specific Labeling in Live Cells. <i>Scientific Reports</i> , 2016, 6, 28483.	3.3	33
21	Light amplified oxidative stress in tumor microenvironment by carbonized hemin nanoparticles for boosting photodynamic anticancer therapy. <i>Light: Science and Applications</i> , 2022, 11, 47.	16.6	27
22	A novel fast response fiber-optic pH sensor based on nanoporous self-assembled multilayer films. <i>Journal of Materials Chemistry</i> , 2010, 20, 7754.	6.7	26
23	Temperature Compensated Strain Sensor Based on Cascaded Sagnac Interferometers and All-Solid Birefringent Hybrid Photonic Crystal Fibers. <i>IEEE Sensors Journal</i> , 2012, 12, 1641-1646.	4.7	26
24	In-situ second harmonic generation by cancer cell targeting ZnO nanocrystals to effect photodynamic action in subcellular space. <i>Biomaterials</i> , 2016, 104, 78-86.	11.4	25
25	Fiber-optic metal ion sensor based on thin-core fiber modal interferometer with nanocoating self-assembled via hydrogen bonding. <i>Sensors and Actuators B: Chemical</i> , 2011, 160, 1174-1179.	7.8	24
26	Highly sensitive and selective fiber-optic modal interferometric sensor for detecting trace mercury ion in aqueous solution. <i>Analytical Methods</i> , 2012, 4, 1292.	2.7	18
27	Reversible and Fast Responsive Optical Fiber Relative Humidity Sensor Based on Polyelectrolyte Self-Assembly Multilayer Film. <i>IEEE Sensors Journal</i> , 2018, 18, 1081-1086.	4.7	16
28	Ratiometric Raman nanotags enable intraoperative detection of metastatic sentinel lymph node. <i>Biomaterials</i> , 2021, 276, 121070.	11.4	12
29	Rapid <i>ex vivo</i> assessment of cancer prognosis by fluorescence imaging of nucleolus using nitrogen doped carbon dots. <i>Analytica Chimica Acta</i> , 2021, 1154, 338309.	5.4	11
30	<i>In vitro</i> anticancer activity of AIEgens. <i>Biomaterials Science</i> , 2019, 7, 3855-3865.	5.4	10
31	Tunable hybridization induced transparency for efficient terahertz sensing. <i>Optics Express</i> , 2019, 27, 9032.	3.4	10
32	Flexible porphyrin doped polymer optical fibers for rapid and remote detection of trace DNT vapor. <i>Analyst</i> , 2020, 145, 5307-5313.	3.5	9
33	Near-infrared light excited photodynamic anticancer therapy based on UCNP@AIEgen nanocomposite. <i>Nanoscale Advances</i> , 2021, 3, 2325-2333.	4.6	9
34	Fiber-integrated 780 nm source for visible parametric generation. <i>Optics Express</i> , 2014, 22, 29726.	3.4	7
35	Photodynamic therapy reduces metastasis of breast cancer by minimizing circulating tumor cells. <i>Biomedical Optics Express</i> , 2021, 12, 3878.	2.9	7
36	Noninvasive and real-time monitoring of Au nanoparticle promoted cancer metastasis using <i>in vivo</i> flow cytometry. <i>Biomedical Optics Express</i> , 2021, 12, 1846.	2.9	5

#	ARTICLE	IF	CITATIONS
37	Controlled excitation of higher radial order whispering gallery modes with metallic diffraction grating. Optics Express, 2015, 23, 4991.	3.4	4
38	Power transfer mechanism of metallic grating coupled whispering gallery microsphere resonator. Optics Letters, 2015, 40, 1908.	3.3	4
39	Noninvasive and early diagnosis of acquired brain injury using fluorescence imaging in the NIR-II window. Biomedical Optics Express, 2021, 12, 6984.	2.9	4
40	All-solid birefringent hybrid photonic crystal fiber based interferometric sensor for measurement of strain and temperature. , 2011, , .		3
41	Core mode scatterer and fibre end-face mirror incorporated reflective long-period grating sensors. Electronics Letters, 2010, 46, 710.	1.0	2
42	High-performance reflective liquid level sensor based on titled fiber Bragg grating inscribed in the thin-core fiber. , 2014, , .		2
43	Fiber Loop Laser Stabilized by Fano Resonance in Metallic Grating Coupled Resonator. IEEE Photonics Technology Letters, 2016, 28, 1597-1600.	2.5	1
44	In Vivo Flow Cytometry. Advances in Experimental Medicine and Biology, 2021, 3233, 289-305.	1.6	1
45	Fundamentals of Optical Imaging. Advances in Experimental Medicine and Biology, 2021, 3233, 1-22.	1.6	1
46	A Novel Fiber Length Measurement Technology Based on an Asymmetric Interferometer Incorporating an Electron-Optic Modulator. , 2008, , .		0
47	Quasi-distributed sensing network based on coherence multiplexing and spatial division multiplexing for coal mine security monitoring. Journal of Zhejiang University: Science C, 2010, 11, 762-766.	0.7	0
48	Optimal coupling to high-Q whispering gallery modes with a sub-wavelength metallic grating coupler. Proceedings of SPIE, 2015, , .	0.8	0
49	Fiber-optic chemical probe based on titled fiber Bragg grating inscribed in the thin-core fiber. , 2013, , .		0