

Binbin Luo

List of Publications by Year in descending order

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Version: 2024-02-01

16
papers

381
citations

840776

11
h-index

996975

15
g-index

16
all docs

16
docs citations

16
times ranked

433
citing authors

#	ARTICLE	IF	CITATIONS
1	Novel glucose sensor based on enzyme-immobilized 81° tilted fiber grating. Optics Express, 2014, 22, 30571.	3.4	77
2	Biosensor based on excessively tilted fiber grating in thin-cladding optical fiber for sensitive and selective detection of low glucose concentration. Optics Express, 2015, 23, 32429.	3.4	53
3	A novel immunosensor based on excessively tilted fiber grating coated with gold nanospheres improves the detection limit of Newcastle disease virus. Biosensors and Bioelectronics, 2018, 100, 169-175.	10.1	48
4	Human heart failure biomarker immunosensor based on excessively tilted fiber gratings. Biomedical Optics Express, 2017, 8, 57.	2.9	30
5	Numerical and Experimental Analysis of Sensitivity-Enhanced RI Sensor Based on Ex-TFG in Thin Cladding Fiber. Journal of Lightwave Technology, 2015, 33, 3023-3027.	4.6	29
6	Highly sensitive vibration sensor based on the dispersion turning point microfiber Mach-Zehnder interferometer. Optics Express, 2021, 29, 32983.	3.4	28
7	Label-free immunoassay for porcine circovirus type 2 based on excessively tilted fiber grating modified with staphylococcal protein A. Biosensors and Bioelectronics, 2016, 86, 1054-1060.	10.1	20
8	Orientation-dependent optic-fiber accelerometer based on excessively tilted fiber grating. Optics Letters, 2020, 45, 125.	3.3	20
9	Study on vibration sensing performance of an equal strength cantilever beam based on an excessively tilted fiber grating. Applied Optics, 2018, 57, 2128.	1.8	18
10	Label-free and specific detection of soluble programmed death ligand-1 using a localized surface plasmon resonance biosensor based on excessively tilted fiber gratings. Biomedical Optics Express, 2019, 10, 5136.	2.9	17
11	Dual-peak long period fiber grating coated with graphene oxide for label-free and specific assays of H5N1 virus. Journal of Biophotonics, 2021, 14, e202000279.	2.3	11
12	Study on spectral and refractive index sensing characteristics of etched excessively tilted fiber gratings. Applied Optics, 2018, 57, 2590.	1.8	10
13	Excessively Tilted Fiber Grating Sensors. Journal of Lightwave Technology, 2021, 39, 3761-3770.	4.6	10
14	Broadband Vibration Sensor Using Reflected Excessively Tilted Fiber Grating With Clamped Beam. IEEE Photonics Technology Letters, 2021, 33, 379-382.	2.5	7
15	Optic-fiber vibration sensor based on a reflected 81° tilted fiber grating integrated with a symmetrical flexible hinge. Applied Optics, 2021, 60, 2886.	1.8	3
16	Cladding mode characteristics simulation of an excessively tilted fiber grating coated with gold nanoshells. Applied Optics, 2022, 61, 5552.	1.8	0