

Yongxing Guo

List of Publications by Year in descending order

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34
papers

779
citations

471509

17
h-index

501196

28
g-index

34
all docs

34
docs citations

34
times ranked

572
citing authors

#	ARTICLE	IF	CITATIONS
1	Fiber Bragg grating based quasi-distributed bolt force sensor with torque resistance. Measurement: Journal of the International Measurement Confederation, 2022, 195, 111063.	5.0	6
2	Finger motion detection based on optical fiber Bragg grating with polyimide substrate. Sensors and Actuators A: Physical, 2022, 338, 113482.	4.1	9
3	Six-Dimensional Force/Torque Sensor Based on Fiber Bragg Gratings With Low Coupling. IEEE Transactions on Industrial Electronics, 2021, 68, 4079-4089.	7.9	52
4	A Fiber Bragg Grating Sensor for Positive and Negative Displacement Measurement. IEEE Sensors Journal, 2021, 21, 21564-21571.	4.7	11
5	A FBG Inclinometer for Simultaneous Measurement of Horizontal Deformation and Sudden Deformation. IEEE Transactions on Instrumentation and Measurement, 2021, 70, 1-10.	4.7	7
6	Fiber Bragg grating based acceleration sensors: a review. Sensor Review, 2021, 41, 101-122.	1.8	20
7	Fiber Bragg Grating-Based Three-Axis Vibration Sensor. IEEE Sensors Journal, 2021, 21, 25749-25757.	4.7	10
8	Fiber Bragg Grating Sensor Based Vibration Monitoring for Foreign Matter Invasion of Protective Barrier. Journal of Physics: Conference Series, 2020, 1646, 012063.	0.4	0
9	Wide-Range Fiber Bragg Grating Tilt Sensor Based on a Cam Structure. IEEE Sensors Journal, 2020, 20, 4740-4748.	4.7	18
10	A Fiber Bragg Grating Anchor Rod Force Sensor for Accurate Anchoring Force Measuring. IEEE Access, 2020, 8, 12796-12801.	4.2	3
11	A Fiber Bragg Grating Force Sensor with Sensitization Structure. IEEE Sensors Journal, 2020, , 1-1.	4.7	6
12	Fiber Bragg grating based displacement sensors: state of the art and trends. Sensor Review, 2019, 39, 87-98.	1.8	27
13	Fiber Bragg Gratings Based Cyclic Strain Measuring of Weld Toes of Cruciform Joints. Applied Sciences (Switzerland), 2019, 9, 2939.	2.5	5
14	Fiber Bragg Grating Displacement Sensor With High Measurement Accuracy for Crack Monitoring. IEEE Sensors Journal, 2019, 19, 10506-10512.	4.7	20
15	An FBG-Based 2-DOF Force Sensing Intraocular Lens Positioning Hook for Cataract Surgery. IEEE Photonics Technology Letters, 2019, 31, 1674-1677.	2.5	3
16	Optical Fiber-Based Sensing, Measuring, and Implementation Methods for Slope Deformation Monitoring: A Review. IEEE Sensors Journal, 2019, 19, 2786-2800.	4.7	49
17	Research on the Durability of Metal-Packaged Fiber Bragg Grating Sensors. IEEE Photonics Technology Letters, 2019, 31, 525-528.	2.5	25
18	Investigation of the Temperature Compensation of FBGs Encapsulated With Different Methods and Subjected to Different Temperature Change Rates. Journal of Lightwave Technology, 2019, 37, 917-926.	4.6	19

#	ARTICLE	IF	CITATIONS
19	Experimental Research on Sensing Characteristics of Adhesive-Encapsulated FBG Under Alcohol-Disinfection Environment. IEEE Sensors Journal, 2019, 19, 2970-2977.	4.7	5
20	Fiber Bragg grating sensor-based monitoring strategy for slope deformation in centrifugal model test. Sensor Review, 2019, 39, 71-77.	1.8	13
21	Embedded fiber Bragg grating strain sensor with enhanced sensitivity. , 2019, , .		0
22	A Three-Dimensional Fiber Bragg Grating Force Sensor for Robot. IEEE Sensors Journal, 2018, 18, 3632-3639.	4.7	113
23	Generalized Transport-of-Intensity Equation Based Space-Frequency Image Signal Analysis. , 2018, , .		0
24	Packaging and Temperature Compensation of Fiber Bragg Grating for Strain Sensing: A Survey. Photonic Sensors, 2018, 8, 320-331.	5.0	51
25	High-Frequency Optical Fiber Bragg Grating Accelerometer. IEEE Sensors Journal, 2018, 18, 4954-4960.	4.7	44
26	Fiber Bragg Grating Displacement Sensor with High Abrasion Resistance for a Steel Spring Floating Slab Damping Track. Sensors, 2018, 18, 1899.	3.8	17
27	A High-Sensitivity Fiber Bragg Grating Displacement Sensor Based on Transverse Property of a Tensioned Optical Fiber Configuration and Its Dynamic Performance Improvement. IEEE Sensors Journal, 2017, 17, 5840-5848.	4.7	36
28	Cable Force Health Monitoring of Tongwamen Bridge Based on Fiber Bragg Grating. Applied Sciences (Switzerland), 2017, 7, 384.	2.5	40
29	A three-axis force fingertip sensor based on fiber Bragg grating. Sensors and Actuators A: Physical, 2016, 249, 141-148.	4.1	67
30	Design and Investigation of a Reusable Surface-mounted Optical Fiber Bragg Grating Strain Sensor. IEEE Sensors Journal, 2016, , 1-1.	4.7	17
31	Development and operation of a fiber Bragg grating based online monitoring strategy for slope deformation. Sensor Review, 2015, 35, 348-356.	1.8	29
32	Development and commissioning of FBG sensors for impact test of rock fall protective barrier. Sensor Review, 2014, 34, 343-348.	1.8	10
33	A non-contact fiber Bragg grating vibration sensor. Review of Scientific Instruments, 2014, 85, 015002.	1.3	26
34	Design of an enhanced sensitivity FBG strain sensor and application in highway bridge engineering. Photonic Sensors, 2014, 4, 162-167.	5.0	21