

Yongxing Guo

List of Publications by Year in descending order

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34
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572
citing authors

#	ARTICLE	IF	CITATIONS
1	A Three-Dimensional Fiber Bragg Grating Force Sensor for Robot. IEEE Sensors Journal, 2018, 18, 3632-3639.	4.7	113
2	A three-axis force fingertip sensor based on fiber Bragg grating. Sensors and Actuators A: Physical, 2016, 249, 141-148.	4.1	67
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	Packaging and Temperature Compensation of Fiber Bragg Grating for Strain Sensing: A Survey. Photonic Sensors, 2018, 8, 320-331.	5.0	51
5	Optical Fiber-Based Sensing, Measuring, and Implementation Methods for Slope Deformation Monitoring: A Review. IEEE Sensors Journal, 2019, 19, 2786-2800.	4.7	49
6	High-Frequency Optical Fiber Bragg Grating Accelerometer. IEEE Sensors Journal, 2018, 18, 4954-4960.	4.7	44
7	Cable Force Health Monitoring of Tongwamen Bridge Based on Fiber Bragg Grating. Applied Sciences (Switzerland), 2017, 7, 384.	2.5	40
8	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
9	Development and operation of a fiber Bragg grating based online monitoring strategy for slope deformation. Sensor Review, 2015, 35, 348-356.	1.8	29
10	Fiber Bragg grating based displacement sensors: state of the art and trends. Sensor Review, 2019, 39, 87-98.	1.8	27
11	A non-contact fiber Bragg grating vibration sensor. Review of Scientific Instruments, 2014, 85, 015002.	1.3	26
12	Research on the Durability of Metal-Packaged Fiber Bragg Grating Sensors. IEEE Photonics Technology Letters, 2019, 31, 525-528.	2.5	25
13	Design of an enhanced sensitivity FBG strain sensor and application in highway bridge engineering. Photonic Sensors, 2014, 4, 162-167.	5.0	21
14	Fiber Bragg Grating Displacement Sensor With High Measurement Accuracy for Crack Monitoring. IEEE Sensors Journal, 2019, 19, 10506-10512.	4.7	20
15	Fiber Bragg grating based acceleration sensors: a review. Sensor Review, 2021, 41, 101-122.	1.8	20
16	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
17	Wide-Range Fiber Bragg Grating Tilt Sensor Based on a Cam Structure. IEEE Sensors Journal, 2020, 20, 4740-4748.	4.7	18
18	Design and Investigation of a Reusable Surface-mounted Optical Fiber Bragg Grating Strain Sensor. IEEE Sensors Journal, 2016, , 1-1.	4.7	17

#	ARTICLE	IF	CITATIONS
19	Fiber Bragg Grating Displacement Sensor with High Abrasion Resistance for a Steel Spring Floating Slab Damping Track. <i>Sensors</i> , 2018, 18, 1899.	3.8	17
20	Fiber Bragg grating sensor-based monitoring strategy for slope deformation in centrifugal model test. <i>Sensor Review</i> , 2019, 39, 71-77.	1.8	13
21	A Fiber Bragg Grating Sensor for Positive and Negative Displacement Measurement. <i>IEEE Sensors Journal</i> , 2021, 21, 21564-21571.	4.7	11
22	Development and commissioning of FBG sensors for impact test of rock fall protective barrier. <i>Sensor Review</i> , 2014, 34, 343-348.	1.8	10
23	Fiber Bragg Grating-Based Three-Axis Vibration Sensor. <i>IEEE Sensors Journal</i> , 2021, 21, 25749-25757.	4.7	10
24	Finger motion detection based on optical fiber Bragg grating with polyimide substrate. <i>Sensors and Actuators A: Physical</i> , 2022, 338, 113482.	4.1	9
25	A FBG Inclinometer for Simultaneous Measurement of Horizontal Deformation and Sudden Deformation. <i>IEEE Transactions on Instrumentation and Measurement</i> , 2021, 70, 1-10.	4.7	7
26	A Fiber Bragg Grating Force Sensor with Sensitization Structure. <i>IEEE Sensors Journal</i> , 2020, , 1-1.	4.7	6
27	Fiber Bragg grating based quasi-distributed bolt force sensor with torque resistance. <i>Measurement: Journal of the International Measurement Confederation</i> , 2022, 195, 111063.	5.0	6
28	Fiber Bragg Gratings Based Cyclic Strain Measuring of Weld Toes of Cruciform Joints. <i>Applied Sciences (Switzerland)</i> , 2019, 9, 2939.	2.5	5
29	Experimental Research on Sensing Characteristics of Adhesive-Encapsulated FBG Under Alcohol-Disinfection Environment. <i>IEEE Sensors Journal</i> , 2019, 19, 2970-2977.	4.7	5
30	An FBG-Based 2-DOF Force Sensing Intraocular Lens Positioning Hook for Cataract Surgery. <i>IEEE Photonics Technology Letters</i> , 2019, 31, 1674-1677.	2.5	3
31	A Fiber Bragg Grating Anchor Rod Force Sensor for Accurate Anchoring Force Measuring. <i>IEEE Access</i> , 2020, 8, 12796-12801.	4.2	3
32	Generalized Transport-of-Intensity Equation Based Space-Frequency Image Signal Analysis. , 2018, , .		0
33	Fiber Bragg Grating Sensor Based Vibration Monitoring for Foreign Matter Invasion of Protective Barrier. <i>Journal of Physics: Conference Series</i> , 2020, 1646, 012063.	0.4	0
34	Embedded fiber Bragg grating strain sensor with enhanced sensitivity. , 2019, , .		0