

Qingmei Sui

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/5767579/publications.pdf>

Version: 2024-02-01

73
papers

610
citations

687363

13
h-index

677142

22
g-index

73
all docs

73
docs citations

73
times ranked

639
citing authors

#	ARTICLE	IF	CITATIONS
1	Improved Damage Localization and Quantification of CFRP Using Lamb Waves and Convolution Neural Network. <i>IEEE Sensors Journal</i> , 2019, 19, 5784-5791.	4.7	59
2	Research on FBG-Based CFRP Structural Damage Identification Using BP Neural Network. <i>Photonic Sensors</i> , 2018, 8, 168-175.	5.0	52
3	A Deep-Learning-Based Multiple Defect Detection Method for Tunnel Lining Damages. <i>IEEE Access</i> , 2019, 7, 182643-182657.	4.2	44
4	Optical fibre Fabry-Perot relative humidity sensor based on HCPCF and chitosan film. <i>Journal of Modern Optics</i> , 2016, 63, 1668-1674.	1.3	34
5	Deep Neural Network-Based Permittivity Inversions for Ground Penetrating Radar Data. <i>IEEE Sensors Journal</i> , 2021, 21, 8172-8183.	4.7	28
6	Fast determination of oxides content in cement raw meal using NIR-spectroscopy and backward interval PLS with genetic algorithm. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2019, 223, 117327.	3.9	26
7	Optical Response of Fiber-Optic Fabry-Perot Refractive-Index Tip Sensor Coated With Polyelectrolyte Multilayer Ultra-Thin Films. <i>Journal of Lightwave Technology</i> , 2013, 31, 2321-2326.	4.6	24
8	Automatic Recognition of Highway Tunnel Defects Based on an Improved U-Net Model. <i>IEEE Sensors Journal</i> , 2019, 19, 11413-11423.	4.7	24
9	Fast determination of oxide content in cement raw meal using NIR spectroscopy with the SPXY algorithm. <i>Analytical Methods</i> , 2019, 11, 3936-3942.	2.7	21
10	Direct Observation of Monolayer MoS ₂ Prepared by CVD Using In-Situ Differential Reflectance Spectroscopy. <i>Nanomaterials</i> , 2019, 9, 1640.	4.1	17
11	Low Velocity Impact Localization on CFRP Based on FBG Sensors and ELM Algorithm. <i>IEEE Sensors Journal</i> , 2015, 15, 4451-4456.	4.7	16
12	Damage Identification in Composites Based on Hilbert Energy Spectrum and Lamb Wave Tomography Algorithm. <i>IEEE Sensors Journal</i> , 2019, 19, 11562-11572.	4.7	16
13	High Precision Detection Method for Delamination Defects in Carbon Fiber Composite Laminates Based on Ultrasonic Technique and Signal Correlation Algorithm. <i>Materials</i> , 2020, 13, 3840.	2.9	14
14	Deep Learning-Based Rebar Clutters Removal and Defect Echoes Enhancement in GPR Images. <i>IEEE Access</i> , 2021, 9, 87207-87218.	4.2	13
15	Damage Localization of Composites Based on Difference Signal and Lamb Wave Tomography. <i>Materials</i> , 2020, 13, 218.	2.9	12
16	Acoustic emission source localization technique based on least squares support vector machine by using FBG sensors. <i>Journal of Modern Optics</i> , 2014, 61, 1634-1640.	1.3	10
17	Low velocity impact localization system using FBG array and MVDR beamforming algorithm. <i>Photonic Sensors</i> , 2015, 5, 357-364.	5.0	10
18	Label-Free Immunosensor Based on Optical Fiber Fabry-Perot Interferometer. <i>IEEE Sensors Journal</i> , 2016, 16, 7515-7520.	4.7	10

#	ARTICLE	IF	CITATIONS
19	Acoustic Emission Source Localization System Using Fiber Bragg Grating Sensors and a Barycentric Coordinate-Based Algorithm. Journal of Sensors, 2018, 2018, 1-8.	1.1	10
20	Response analysis of ultrasonic sensing system based on fiber Bragg gratings of different lengths. Photonic Sensors, 2014, 4, 281-288.	5.0	9
21	Acoustic emission location on aluminum alloy structure by using FBG sensors and PSO method. Journal of Modern Optics, 2016, 63, 742-749.	1.3	9
22	Technological study on distributed fiber sensor monitoring of high voltage power cable in seafloor. , 2009, , .		8
23	FBG sensor array-based-low speed impact localization system on composite plate. Journal of Modern Optics, 2016, 63, 462-467.	1.3	7
24	Design and Optimization of FBG Implantable Flexible Morphological Sensor to Realize the Intellisense for Displacement. Sensors, 2018, 18, 2342.	3.8	7
25	Novel Methodology to Improve the Accuracy of Oxide Determination in Cement Raw Meal by near Infrared Spectroscopy (NIRS) and Cross-Validation-Absolute-deviation-F-Test (CVADF). Analytical Letters, 2020, 53, 2734-2747.	1.8	7
26	Multi-Damage Identification System of CFRP by Using FBG Sensors and Multi-Classification RVM Method. IEEE Sensors Journal, 2015, 15, 6287-6293.	4.7	6
27	HCPCF-based in-line fiber Fabry-Perot refractometer and high sensitivity signal processing method. Photonic Sensors, 2017, 7, 336-344.	5.0	6
28	Compositional Analysis of Cement Raw Meal by Near-Infrared (NIR) Spectroscopy. Analytical Letters, 2019, 52, 2931-2937.	1.8	6
29	Intelligent fault diagnosis of rolling bearing using the ensemble self-taught learning convolutional auto-encoders. IET Science, Measurement and Technology, 2022, 16, 130-147.	1.6	6
30	Strain/Displacement Field Reconstruction and Load Identification of High-Speed Train Load-Bearing Structure Based on Linear Superposition Method. IEEE Transactions on Instrumentation and Measurement, 2022, 71, 1-8.	4.7	6
31	Experimental and Technical Study of Fiber Bragg Grating Vibration Detection Based on Linear Tilt Filter Method. , 2007, , .		5
32	Acoustic emission source linear localization based on an ultra-short FBGs sensing system. Photonic Sensors, 2014, 4, 152-155.	5.0	5
33	Development of an FBG Sensor Array for Multi-Impact Source Localization on CFRP Structures. Sensors, 2016, 16, 1770.	3.8	5
34	One novel type of miniaturization FBG rotation angle sensor with high measurement precision and temperature self-compensation. Photonic Sensors, 2018, 8, 88-96.	5.0	5
35	Development of high temperature acoustic emission sensing system using fiber Bragg grating. Photonic Sensors, 2018, 8, 56-62.	5.0	5
36	Internal Combustion Engine Fault Identification Based on FBG Vibration Sensor and Support Vector Machines Algorithm. Mathematical Problems in Engineering, 2019, 2019, 1-11.	1.1	5

#	ARTICLE	IF	CITATIONS
37	Design, Optimization and Improvement of FBG Flexible Sensor for Slope Displacement Profiles Measurement. <i>Sensors</i> , 2019, 19, 3750.	3.8	5
38	GPRI2Net: A Deep-Neural-Network-Based Ground Penetrating Radar Data Inversion and Object Identification Framework for Consecutive and Long Survey Lines. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2022, 60, 1-20.	6.3	5
39	CFRP damage identification system based on FBG sensors and ELM method. <i>Optical Review</i> , 2015, 22, 46-51.	2.0	4
40	The optimization study of FBG Gaussian fitting peak-detection based on Levenberg-Marquardt algorithm. , 2017, , .		4
41	Early Fatigue Crack Damage Identification by Multi-classification Support-Vector Machine Based on Lamb Wave and Temperature Compensation. <i>Journal of Materials Engineering and Performance</i> , 2022, 31, 9159-9172.	2.5	4
42	CFRP damage identification system by using FBG sensor and RBF neural network. , 2015, , .		3
43	Localization of microseismic source based on genetic-simplex hybrid algorithm. , 2017, , .		3
44	Drive design and performance test of a tunable DFB laser. , 2017, , .		3
45	Damage imaging for composite using Lamb wave based on minimum variance distortion-less response method. <i>Transactions of the Institute of Measurement and Control</i> , 2019, 41, 4179-4186.	1.7	3
46	First Arrival Picking on Microseismic Signals Based on K-Means with a ReliefF Algorithm. <i>Symmetry</i> , 2021, 13, 790.	2.2	3
47	Microseismic P-Wave Travel Time Computation and 3D Localization Based on a 3D High-Order Fast Marching Method. <i>Sensors</i> , 2021, 21, 5815.	3.8	3
48	Applications of Fiber Optic Bragg Grating Sensing Technology in a Forked Tunnel Model. , 2007, , .		2
49	Equilibrium Model of Discrete Dynamic Supply Chain Network with Random Demand and Advertisement Strategy. <i>Mathematical Problems in Engineering</i> , 2014, 2014, 1-14.	1.1	2
50	Same origin three-dimensional strain detection FBG sensor based on elliptical ring and its optimization. <i>Photonic Sensors</i> , 2015, 5, 146-151.	5.0	2
51	Development of smart CFRP composites embedded with FBG sensors. , 2017, , .		2
52	Phase Difference-3D Coordinate Mapping Model of Structural Light Imaging System Based on Extreme Learning Machine Network. <i>IEEE Access</i> , 2020, 8, 68974-68981.	4.2	2
53	Phase Demodulation Method for Fringe Projection Measurement Based on Improved Variable-Frequency Coded Patterns. <i>Sensors</i> , 2021, 21, 4463.	3.8	2
54	Impact-Induced Damage Recognition of Aluminium Alloy Stiffened Plate Structure Based on Convolutional Neural Network. <i>IEEE Sensors Journal</i> , 2021, 21, 20283-20295.	4.7	2

#	ARTICLE	IF	CITATIONS
55	Image Denoising Based on Multiple Wavelet Representations and Universal Hidden Markov Tree. , 2007, , .		1
56	Technical and Experimental Study of Fiber Bragg Grating Vibration Detection Based on Matching Demodulation Method. , 2007, , .		1
57	Tunable chirped fiber Bragg grating based on two-fixed-end compressive bar without central wavelength shift. , 2009, , .		1
58	External optical feedback effects on stability of asymmetric DFB-FL and isolation method. Journal of Modern Optics, 2014, 61, 973-979.	1.3	1
59	Service life estimation of smart electricity meters using operation data. , 2017, , .		1
60	Research on spectrum characteristics of fiber Bragg grating under acoustic emission waves. , 2017, , .		1
61	Impedance characteristics of outdoor low-voltage distribution power line communication. , 2017, , .		1
62	Measurement of multi-axial stresses using a phase-shifted FBG and the adaptive particle swarm optimization algorithm. , 2017, , .		1
63	A STEPWISE UPDATING ALGORITHM FOR MULTIREOLUTION WAVELET NEURAL NETWORKS. , 2003, , .		1
64	Experimental Study of Coupling Fibre-optic Vibration Sensor. , 2007, , .		0
65	Study on electro-optics modulator in Brillouin-distribution fiber sensing system. , 2010, , .		0
66	Low-Cost Plate-Type MOEMS Uniaxial Vibration Sensor Based on Metal Etching and Fiber Collimator Technique. IEEE Sensors Journal, 2016, 16, 4816-4821.	4.7	0
67	Research on the GPRS remote data compression and transmission technology for structure healthy monitoring. , 2017, , .		0
68	Call detection of driver based on constrained local models. , 2017, , .		0
69	Signal processing of FBG vibration sensor based on duffing oscillator model. , 2017, , .		0
70	Application of constrained local neural fields in face recognition. , 2017, , .		0
71	Experimental research of microseismic source localization based on improved simplex optimization algorithm. , 2017, , .		0
72	An In Situ Reflectance Spectroscopic Investigation to Monitor Two-Dimensional MoS2 Flakes on a Sapphire Substrate. Materials, 2020, 13, 5794.	2.9	0

#	ARTICLE	IF	CITATIONS
73	Array FBG sensing and 3D reconstruction of spacecraft configuration. Optoelectronics Letters, 2022, 18, 0193-0199.	0.8	0