Sheng Li

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/2060103/publications.pdf

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22	217	1162889 8	1058333 14
papers	citations	h-index	g-index

23	23	23	136
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Signal Anomaly Detection of Bridge SHM System Based on Two-Stage Deep Convolutional Neural Networks. Structural Engineering International: Journal of the International Association for Bridge and Structural Engineering (IABSE), 2023, 33, 74-83.	0.5	5
2	Identification of Abnormal Vibration Signal of Subway Track Bed Based on Ultra-Weak FBG Sensing Array Combined with Unsupervised Learning Network. Symmetry, 2022, 14, 1100.	1.1	5
3	Intruder detection trial in subway tunnel based on distributed vibration response. IOP Conference Series: Earth and Environmental Science, 2021, 638, 012080.	0.2	1
4	Lateral positioning of vibration source for underground pipeline monitoring based on ultra-weak fiber Bragg grating sensing array. Measurement: Journal of the International Measurement Confederation, 2021, 172, 108892.	2.5	21
5	Bridge anomaly data identification method based on statistical feature mixture and data augmentation through forwarding difference. IOP Conference Series: Earth and Environmental Science, 2021, 791, 012030.	0.2	0
6	Real-time monitoring method for unauthorized working activities above the subway tunnel based on ultra-weak fiber Bragg grating vibration sensing array. Measurement: Journal of the International Measurement Confederation, 2021, 182, 109744.	2.5	12
7	FOG-based Bridge Damage Detection through Deep CNN. , 2021, , .		0
8	Classifying Tunnel Anomalies Based on Ultraweak FBGs Signal and Transductive RVM Combined With Gaussian Mixture Model. IEEE Sensors Journal, 2020, 20, 6012-6019.	2.4	9
9	Applying Deep Learning to Continuous Bridge Deflection Detected by Fiber Optic Gyroscope for Damage Detection. Sensors, 2020, 20, 911.	2.1	22
10	Detectability of Bridge-Structural Damage Based on Fiber-Optic Sensing through Deep-Convolutional Neural Networks. Journal of Bridge Engineering, 2020, 25, .	1.4	26
11	Combining SDAE Network with Improved DTW Algorithm for Similarity Measure of Ultra-Weak FBG Vibration Responses in Underground Structures. Sensors, 2020, 20, 2179.	2.1	7
12	A Novel Monitoring Approach for Train Tracking and Incursion Detection in Underground Structures Based on Ultra-Weak FBG Sensing Array. Sensors, 2019, 19, 2666.	2.1	33
13	Identification of Ground Intrusion in Underground Structures Based on Distributed Structural Vibration Detected by Ultra-Weak FBG Sensing Technology. Sensors, 2019, 19, 2160.	2.1	30
14	Structural Cracks Detection Based on Distributed Weak FBG. , 2018, , .		4
15	Study on 3D CFBG vibration sensor and its application. Photonic Sensors, 2016, 6, 90-96.	2.5	6
16	Bridge continuous deformation measurement technology based on fiber optic gyro. Photonic Sensors, 2016, 6, 71-77.	2.5	6
17	Rockfall hazard alarm strategy based on FBG smart passive net structure. Photonic Sensors, 2015, 5, 19-23.	2.5	8
18	A novel bridge curve mode measurement technique based on fog. Optik, 2015, 126, 3442-3445.	1.4	8

#	Article	IF	Citations
19	Broken wires diagnosis method numerical simulation based on smart cable structure. Photonic Sensors, 2014, 4, 366-372.	2.5	2
20	Long-term mechanical properties of smart cable based on FBG desensitized encapsulation sensors. Photonic Sensors, 2014, 4, 236-241.	2.5	5
21	Desensitized encapsulation FBG sensor for smart cable in bridge. Proceedings of SPIE, 2012, , .	0.8	1
22	Structural Large Strain Monitoring Based on FBG Sensor. , 2009, , .		6