

Juwei Zhang

List of Publications by Year in descending order

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Version: 2024-02-01

21
papers

250
citations

1040056

9
h-index

940533

16
g-index

21
all docs

21
docs citations

21
times ranked

118
citing authors

#	ARTICLE	IF	CITATIONS
1	Non-Destructive Detection of Wire Rope Discontinuities from Residual Magnetic Field Images Using the Hilbert-Huang Transform and Compressed Sensing. <i>Sensors</i> , 2017, 17, 608.	3.8	48
2	Quantitative Inspection of Remanence of Broken Wire Rope Based on Compressed Sensing. <i>Sensors</i> , 2016, 16, 1366.	3.8	31
3	Recognition of Broken Wire Rope Based on Remanence using EEMD and Wavelet Methods. <i>Sensors</i> , 2018, 18, 1110.	3.8	26
4	Quantitative nondestructive testing of wire rope based on pseudo-color image enhancement technology. <i>Nondestructive Testing and Evaluation</i> , 2019, 34, 221-242.	2.1	24
5	Quantitative Detection of Wire Rope Based on Three-Dimensional Magnetic Flux Leakage Color Imaging Technology. <i>IEEE Access</i> , 2020, 8, 104165-104174.	4.2	19
6	Evaluation of Composite Wire Ropes Using Unsaturated Magnetic Excitation and Reconstruction Image with Super-Resolution. <i>Applied Sciences (Switzerland)</i> , 2018, 8, 767.	2.5	17
7	Quantitative Nondestructive Testing of Wire Rope Using Image Super-Resolution Method and AdaBoost Classifier. <i>Shock and Vibration</i> , 2019, 2019, 1-13.	0.6	11
8	Application of Variational Mode Decomposition and <i>k</i> -Nearest Neighbor Algorithm in the Quantitative Nondestructive Testing of Wire Ropes. <i>Shock and Vibration</i> , 2019, 2019, 1-14.	0.6	11
9	Nondestructive Testing of Wire Ropes Based on Image Fusion of Leakage Flux and Visible Light. <i>Journal of Failure Analysis and Prevention</i> , 2019, 19, 551-560.	0.9	11
10	The Broken Wires Identification of Wire Rope Based on Multilevel Filtering Method Using EEMD and Wavelet Analysis. <i>Journal of Failure Analysis and Prevention</i> , 2021, 21, 280-289.	0.9	9
11	A new quantitative non-destructive testing approach of broken wires for steel wire rope. <i>International Journal of Applied Electromagnetics and Mechanics</i> , 2020, 62, 415-431.	0.6	7
12	A coverage algorithm based on D-S theory for directional sensor networks. <i>International Journal of Distributed Sensor Networks</i> , 2016, 12, 155014771666962.	2.2	5
13	Quantitative Detection of Remanence in Broken Wire Rope Based on Adaptive Filtering and Elman Neural Network. <i>Journal of Failure Analysis and Prevention</i> , 2019, 19, 1264-1274.	0.9	5
14	Quantitative Nondestructive Testing of Wire Ropes Based on Features Fusion of Magnetic Image and Infrared Image. <i>Shock and Vibration</i> , 2019, 2019, 1-15.	0.6	5
15	Application of Pseudo-color Image Feature-Level Fusion in Nondestructive Testing of Wire Ropes. <i>Journal of Failure Analysis and Prevention</i> , 2020, 20, 1541-1553.	0.9	5
16	Quantitative Nondestructive Testing of Broken Wires for Wire Rope Based on Magnetic and Infrared Information. <i>Journal of Sensors</i> , 2020, 2020, 1-14.	1.1	4
17	Modeling, simulation and experimental exploration of metal magnetic memory under weak magnetic excitation. <i>SN Applied Sciences</i> , 2022, 4, 1.	2.9	4
18	Obtaining Unfolded Image for Surface of Wire Rope Based on Image Processing and Splicing. <i>Journal of Failure Analysis and Prevention</i> , 2020, 20, 425-431.	0.9	3

#	ARTICLE	IF	CITATIONS
19	Quantitative Nondestructive Testing of Steel Wire Rope Based on Optimized Support Vector Machine. Russian Journal of Nondestructive Testing, 2021, 57, 1008-1017.	0.9	3
20	Research on 3D MFL testing of wire rope based on empirical wavelet transform and SRCNN. Journal of Vibroengineering, 2022, 24, 779-792.	1.0	2
21	Study of Unsaturated Magnetic Image Processing in Wire Rope Application. , 2017, , .		0