

Jianjian Zhu

List of Publications by Year in descending order

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13
papers

198
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1163117

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126
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#	ARTICLE	IF	CITATIONS
1	Electromechanical impedance-based damage localization with novel signatures extraction methodology and modified probability-weighted algorithm. <i>Mechanical Systems and Signal Processing</i> , 2021, 146, 107001.	8.0	36
2	Modified electromechanical impedance-based disbond monitoring for honeycomb sandwich composite structure. <i>Composite Structures</i> , 2019, 217, 175-185.	5.8	30
3	A real-time electromechanical impedance-based active monitoring for composite patch bonded repair structure. <i>Composite Structures</i> , 2019, 212, 513-523.	5.8	30
4	Multi-frequency localized wave energy for delamination identification using laser ultrasonic guided wave. <i>Ultrasonics</i> , 2021, 116, 106486.	3.9	22
5	Cure monitoring and damage identification of CFRP using embedded piezoelectric sensors network. <i>Ultrasonics</i> , 2021, 115, 106470.	3.9	21
6	K-BP neural network-based strain field inversion and load identification for CFRP. <i>Measurement: Journal of the International Measurement Confederation</i> , 2022, 187, 110227.	5.0	15
7	Monitoring of resin flow front and degree of cure in vacuum-assisted resin infusion process using multifunctional piezoelectric sensor network. <i>Polymer Composites</i> , 2021, 42, 113-125.	4.6	14
8	A novel electromechanical impedance model for surface-bonded circular piezoelectric transducer. <i>Smart Materials and Structures</i> , 2019, 28, 105052.	3.5	13
9	Monitoring of Fiber-Reinforced Composite Single-Lap Joint with Electromechanical Impedance of Piezoelectric Transducer. <i>Materials</i> , 2019, 12, 3241.	2.9	7
10	Health Monitoring of Metallic Structures with Electromechanical Impedance and Piezoelectric Sensors. <i>Nanomaterials</i> , 2019, 9, 1268.	4.1	5
11	A passive localization method for stiffened composite structures with a parameterized laminate model. <i>Journal of Sound and Vibration</i> , 2020, 489, 115683.	3.9	3
12	Electromechanical Impedance Model for Free 1D Thin-Walled Piezoelectric Ceramics with a Novel Derivation. <i>Materials</i> , 2020, 13, 4735.	2.9	1
13	Curing monitoring of bonded composite patch at constant temperature with electromechanical impedance and system parameters evaluation approach. <i>Smart Materials and Structures</i> , 2022, 31, 015039.	3.5	1