

# Jianjian Zhu

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/7902983/publications.pdf>

Version: 2024-02-01

13  
papers

198  
citations

1163117

8  
h-index

1199594

12  
g-index

13  
all docs

13  
docs citations

13  
times ranked

126  
citing authors

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