

Weibin Li

List of Publications by Year in descending order

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Version: 2024-02-01

30
papers

542
citations

687363

13
h-index

642732

23
g-index

30
all docs

30
docs citations

30
times ranked

303
citing authors

#	ARTICLE	IF	CITATIONS
1	Identification of multi-defects in an arched composite structure by the corrected probabilistic diagnostic imaging with the fused damage index. <i>Journal of Intelligent Material Systems and Structures</i> , 2022, 33, 799-810.	2.5	4
2	Identification and imaging of multi-defects on a complicated composite structure by ultrasonic guided wave. <i>Polymer Testing</i> , 2022, 106, 107466.	4.8	5
3	Quasistatic pulse generation of ultrasonic guided waves propagation in composites. <i>Journal of Sound and Vibration</i> , 2022, 524, 116764.	3.9	15
4	Assessment of damage in composites using static component generation of ultrasonic guided waves. <i>Smart Materials and Structures</i> , 2022, 31, 045025.	3.5	14
5	Micro-defect imaging with an improved resolution using nonlinear ultrasonic Lamb waves. <i>Journal of Applied Physics</i> , 2022, 131, .	2.5	9
6	Theoretical and numerical investigations of the nonlinear acoustic response of feature guided waves in a welded joint. <i>Wave Motion</i> , 2021, 101, 102696.	2.0	12
7	Static component generation and measurement of nonlinear guided waves with group velocity mismatch. <i>JASA Express Letters</i> , 2021, 1, .	1.1	6
8	Modeling and simulation of backward combined harmonic generation induced by one-way mixing of longitudinal ultrasonic guided waves in a circular pipe. <i>Ultrasonics</i> , 2021, 113, 106356.	3.9	28
9	Quantitative defect inspection in the curved composite structure using the modified probabilistic tomography algorithm and fusion of damage index. <i>Ultrasonics</i> , 2021, 113, 106358.	3.9	19
10	Detection and Location of Surface Damage Using Third-Order Combined Harmonic Waves Generated by Non-Collinear Ultrasonic Waves Mixing. <i>Sensors</i> , 2021, 21, 6027.	3.8	6
11	Non-Destructive Evaluation of Coating Thickness Using Water Immersion Ultrasonic Testing. <i>Coatings</i> , 2021, 11, 1421.	2.6	20
12	Assessment of low-velocity impact damage in composites by the measure of second-harmonic guided waves with the phase-reversal approach. <i>Science Progress</i> , 2020, 103, 003685041988107.	1.9	6
13	Impact damage detection in composites using a guided wave mixing technique. <i>Measurement Science and Technology</i> , 2020, 31, 014001.	2.6	33
14	Numerical and experimental investigations on second-order combined harmonic generation of Lamb wave mixing. <i>AIP Advances</i> , 2020, 10, .	1.3	11
15	Characterization of Microstructural Evolution by Ultrasonic Nonlinear Parameters Adjusted by Attenuation Factor. <i>Metals</i> , 2019, 9, 271.	2.3	22
16	A challenging and promising effort toward QNDE for inaccessible and invisible defects; nonlinear guided wave NDE. <i>AIP Conference Proceedings</i> , 2019, , .	0.4	0
17	Monitoring of Fatigue Crack Propagation by Damage Index of Ultrasonic Guided Waves Calculated by Various Acoustic Features. <i>Applied Sciences (Switzerland)</i> , 2019, 9, 4254.	2.5	16
18	Quantitative imaging of surface cracks in polymer bonded explosives by surface wave tomographic approach. <i>Polymer Testing</i> , 2019, 74, 63-71.	4.8	14

#	ARTICLE	IF	CITATIONS
19	Monitoring of environmental loading effect on the steel with different plastic deformation by diffuse ultrasound. Structural Health Monitoring, 2019, 18, 602-609.	7.5	17
20	Combination of Phase Matching and Phase-Reversal Approaches for Thermal Damage Assessment by Second Harmonic Lamb Waves. Materials, 2018, 11, 1961.	2.9	15
21	Theoretical analysis and experimental observation of frequency mixing response of ultrasonic Lamb waves. Journal of Applied Physics, 2018, 124, .	2.5	33
22	Experimental Investigation of the Acoustic Nonlinear Behavior in Granular Polymer Bonded Explosives with Progressive Fatigue Damage. Materials, 2017, 10, 660.	2.9	12
23	Imaging wall thinning defect by electromagnetic ultrasonic shear horizontal guided wave tomography. International Journal of Applied Electromagnetics and Mechanics, 2016, 52, 323-330.	0.6	0
24	Characterization of Degradation Progressive in Composite Laminates Subjected to Thermal Fatigue and Moisture Diffusion by Lamb Waves. Sensors, 2016, 16, 260.	3.8	14
25	Cumulative Second Harmonic Generation of Ultrasonic Guided Waves Propagation in Tube-Like Structure. Journal of Computational Acoustics, 2016, 24, 1650011.	1.0	10
26	Second Harmonic Generation of Shear Horizontal Guided Wave Propagation in Plate-like structures. Physics Procedia, 2015, 70, 451-454.	1.2	4
27	Quantification and imaging of corrosion wall thinning using shear horizontal guided waves generated by magnetostrictive sensors. Sensors and Actuators A: Physical, 2015, 232, 251-258.	4.1	21
28	A feasibility study for Lamb wave mixing nonlinear technique. AIP Conference Proceedings, 2014, , .	0.4	6
29	Detection of thermal fatigue in composites by second harmonic Lamb waves. Smart Materials and Structures, 2012, 21, 085019.	3.5	147
30	Characteristics of ultrasonic nonlinearity by thermal fatigue. International Journal of Precision Engineering and Manufacturing, 2012, 13, 935-940.	2.2	23