

Fushi Bai

List of Publications by Year in descending order

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Version: 2024-02-01

16
papers

240
citations

1163117

8
h-index

996975

15
g-index

16
all docs

16
docs citations

16
times ranked

148
citing authors

#	ARTICLE	IF	CITATIONS
1	A novel additive manufactured three-dimensional piezoelectric transducer: Systematic modeling and experimental validation. <i>Mechanical Systems and Signal Processing</i> , 2019, 114, 346-365.	8.0	52
2	Semi-analytical modeling and optimization of a traveling wave sandwich piezoelectric transducer with a beam-ring combined structure. <i>Mechanical Systems and Signal Processing</i> , 2019, 122, 171-191.	8.0	30
3	Systematic electromechanical transfer matrix model of a novel sandwiched type flexural piezoelectric transducer. <i>International Journal of Mechanical Sciences</i> , 2018, 138-139, 229-243.	6.7	27
4	Capability evaluation of ultrasonic cavitation peening at different standoff distances. <i>Ultrasonics</i> , 2018, 84, 38-44.	3.9	23
5	Impact of time on ultrasonic cavitation peening via detection of surface plastic deformation. <i>Ultrasonics</i> , 2018, 84, 350-355.	3.9	23
6	The lattice distortion of nickel particles generated by spark discharge in hydrocarbon dielectric mediums. <i>Applied Physics A: Materials Science and Processing</i> , 2016, 122, 1.	2.3	20
7	Effect of different standoff distance and driving current on transducer during ultrasonic cavitation peening. <i>Sensors and Actuators A: Physical</i> , 2017, 261, 274-279.	4.1	19
8	Theoretical and experimental investigations of ultrasonic sound fields in thin bubbly liquid layers for ultrasonic cavitation peening. <i>Ultrasonics</i> , 2019, 93, 130-138.	3.9	17
9	A Novel Ultrasonic Cavitation Peening Approach Assisted by Water Jet. <i>Applied Sciences (Switzerland)</i> , 2018, 8, 2218.	2.5	9
10	Investigation of Impact Loads Caused by Ultrasonic Cavitation Bubbles in Small Gaps. <i>IEEE Access</i> , 2018, 6, 64622-64629.	4.2	6
11	Impacts of ultrasound on oxide removal – An attempt towards acid-free cleaning. <i>Ultrasonics Sonochemistry</i> , 2019, 57, 1-11.	8.2	6
12	A novel inner surface enhancement method for holes utilizing ultrasonic cavitation. <i>Ultrasonics</i> , 2021, 115, 106453.	3.9	3
13	Theoretical modeling and experimental investigation of a V-Shaped traveling wave piezoelectric transducer for ultrasonic cavitation Peening: Part B. <i>Applied Acoustics</i> , 2021, 178, 107972.	3.3	2
14	Novel Traveling Wave Sandwich Piezoelectric Transducer with Single Phase Drive: Theoretical Modeling, Experimental Validation, and Application Investigation. <i>Chinese Journal of Mechanical Engineering (English Edition)</i> , 2021, 34, .	3.7	2
15	Theoretical modeling and experimental investigation of a V-shaped traveling wave piezoelectric transducer for ultrasonic cavitation Peening: Part A. <i>Applied Acoustics</i> , 2021, 178, 107971.	3.3	1
16	Experimental Investigation of Peening Cylindrical Workpieces Utilizing a Transducer with Ring Sonotrode. <i>Applied Sciences (Switzerland)</i> , 2021, 11, 94.	2.5	0