

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

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16
all docs

16
docs citations

16
times ranked

148
citing authors

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