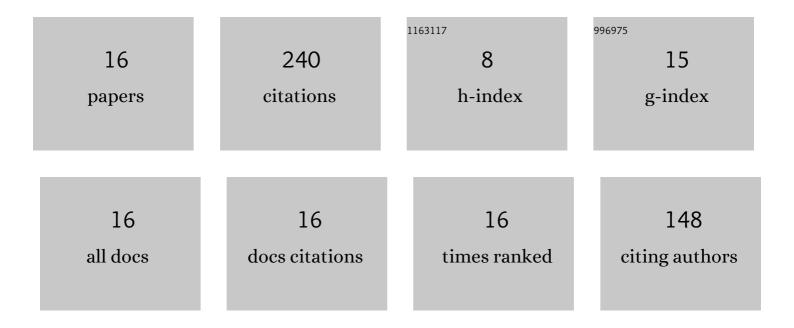
Fushi Bai

List of Publications by Year in descending order

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<u>Ευςμι Βλι</u>

| # | Article | IF | CITATIONS |
|----|--|-----|-----------|
| 1 | 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 |
| 2 | 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 |
| 3 | 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 |
| 4 | Capability evaluation of ultrasonic cavitation peening at different standoff distances. Ultrasonics, 2018, 84, 38-44. | 3.9 | 23 |
| 5 | Impact of time on ultrasonic cavitation peening via detection of surface plastic deformation. Ultrasonics, 2018, 84, 350-355. | 3.9 | 23 |
| 6 | 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 |
| 7 | 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 |
| 8 | 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 |
| 9 | A Novel Ultrasonic Cavitation Peening Approach Assisted by Water Jet. Applied Sciences (Switzerland), 2018, 8, 2218. | 2.5 | 9 |
| 10 | Investigation of Impact Loads Caused by Ultrasonic Cavitation Bubbles in Small Gaps. IEEE Access, 2018, 6, 64622-64629. | 4.2 | 6 |
| 11 | Impacts of ultrasound on oxide removal – An attempt towards acid-free cleaning. Ultrasonics Sonochemistry, 2019, 57, 1-11. | 8.2 | 6 |
| 12 | A novel inner surface enhancement method for holes utilizing ultrasonic cavitation. Ultrasonics, 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. Applied Acoustics, 2021, 178, 107972. | 3.3 | 2 |
| 14 | 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 |
| 15 | 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 |
| 16 | Experimental Investigation of Peening Cylindrical Workpieces Utilizing a Transducer with Ring Sonotrode. Applied Sciences (Switzerland), 2021, 11, 94. | 2.5 | 0 |