Sha Wang

List of Publications by Year
in descending order

11	86	1478505 6	1474206 9
papers	citations	h-index	g-index

11	11	11	34
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Enhancing the Heat-Dissipation Efficiency in Ultrasonic Transducers via Embedding Vertically Oriented Graphene-Based Porcelain Radiators. Nano Letters, 2020, 20, 5097-5105.	9.1	16
2	Optimization on ultrasonic plastic welding systems based on two-dimensional phononic crystal. Ultrasonics, 2019, 99, 105954.	3.9	14
3	A novelly universal theory: Toward accurately evaluating radial vibration characteristics for radially sandwiched spherical piezoelectric transducer. Ultrasonics, 2021, 111, 106299.	3.9	10
4	Designing Newâ€Generation Piezoelectric Transducers by Embedding Superior Grapheneâ€Based Thermal Regulators. Advanced Materials, 2021, 33, e2103141.	21.0	9
5	Study on the bending vibration of bimorph rectangular transducer based on type 2-2 piezoelectric composites. Ultrasonics, 2021, 117, 106546.	3.9	8
6	An Exact and Practical Analyzing Model for Radial Vibration of Piezoelectric Spherical Transducers With Arbitrary Wall Thickness. IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control, 2021, 68, 760-766.	3.0	7
7	Radial vibration analysis for functionally graded ring piezoelectric transducers based on electromechanical equivalent circuit method. Ultrasonics, 2022, 120, 106640.	3.9	7
8	The High-Power Piezoelectric Transformer With Multiple Outputs Based on Sandwiched Piezoelectric Transducers. IEEE Transactions on Power Electronics, 2022, 37, 8886-8894.	7.9	6
9	Multi-mode coupled vibration performance analysis of a radial-longitudinal (R-L) ultrasonic transducer. Journal of the Acoustical Society of America, 2022, 151, 2712-2722.	1.1	5
10	Analysis on vibration characteristics of large-size rectangular piezoelectric composite plate based on quasi-periodic phononic crystal structure. Chinese Physics B, 2022, 31, 054302.	1.4	3
11	Spherical piezoelectric transducers of functionally graded materials. Journal of the Acoustical Society of America, 2022, 152, 193-200.	1.1	1