

Jiang Wu

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	A Two-DOF Linear Ultrasonic Motor With High Thrust Force Density and High Power Density Utilizing Torsional/Centrosymmetric-Bending/ Symmetric-Bending Modes. IEEE Transactions on Industrial Electronics, 2022, 69, 8220-8230.	7.9	7
2	A Linear Piezoelectric Actuator Using ∞ A-Shaped ∞ Structure. IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control, 2022, 69, 1382-1391.	3.0	12
3	A Rotary Ultrasonic Motor Operating in Torsional/Bending Modes With High Torque Density and High Power Density. IEEE Transactions on Industrial Electronics, 2021, 68, 6109-6120.	7.9	26
4	Poly-Phenylene-Sulfide Wedge Transducer for Exciting Surface Acoustic Waves for Removing Droplets on a Glass Plate. IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control, 2021, 68, 3378-3385.	3.0	4
5	Structural parameter study of dual transducers-type ultrasonic levitation-based transportation system. Smart Materials and Structures, 2021, 30, 045009.	3.5	9
6	Non-metal Piezoelectric Motor Utilizing Langevin-Type Alumina/PZT Transducer Working in Orthogonal Bending Modes. Lecture Notes in Computer Science, 2021, , 342-352.	1.3	0
7	Piezoelectric Motor Utilizing an Alumina/PZT Transducer. IEEE Transactions on Industrial Electronics, 2020, 67, 6762-6772.	7.9	36
8	A Traveling-Wave Linear Ultrasonic Motor Driven by Two Torsional Vibrations: Design, Fabrication, and Performance Evaluation. IEEE Access, 2020, 8, 122554-122564.	4.2	6
9	A Dumbbell Shaped Piezoelectric Motor Driven by the First-Order Torsional and the First-Order Flexural Vibrations. Actuators, 2020, 9, 124.	2.3	2
10	Enhancement in mechanical quality factors of poly phenylene sulfide under high-amplitude ultrasonic vibration through thermal annealing. Ultrasonics, 2019, 91, 52-61.	3.9	7
11	A traveling-wave ultrasonic motor utilizing a ring-shaped alumina/PZT vibrator. Smart Materials and Structures, 2019, 28, 125017.	3.5	10
12	Anisotropy of the high-power piezoelectric properties of $\text{Pb}(\text{Zr,Ti})\text{O}_3$. Journal of the American Ceramic Society, 2019, 102, 6008-6017.	3.8	38
13	Polymer-Based Ultrasonic Motors Utilizing High-Order Vibration Modes. IEEE/ASME Transactions on Mechatronics, 2018, 23, 788-799.	5.8	57
14	Ultrasonic motors with poly phenylene sulfide/alumina/PZT triple-layered vibrators. Sensors and Actuators A: Physical, 2018, 284, 158-167.	4.1	11
15	Vibration characteristics of polymer-based Langevin transducers. Smart Materials and Structures, 2018, 27, 095013.	3.5	8
16	Structural parameter study on polymer-based ultrasonic motor. Smart Materials and Structures, 2017, 26, 115022.	3.5	21
17	Magnetic field sensor using a polymer-based vibrator. Measurement Science and Technology, 2016, 27, 097002.	2.6	1
18	Traveling wave ultrasonic motor using polymer-based vibrator. Japanese Journal of Applied Physics, 2016, 55, 018001.	1.5	15

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19	Measurement of mechanical quality factors of polymers in flexural vibration for high-power ultrasonic application. <i>Ultrasonics</i> , 2016, 69, 74-82.	3.9	14
20	Ultrasonic motors with polymer-based vibrators. <i>IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control</i> , 2015, 62, 2169-2178.	3.0	27
21	Airborne ultrasonic transducer using polymer-based elastomer with high output-to-weight ratio. <i>Japanese Journal of Applied Physics</i> , 2015, 54, 087201.	1.5	3
22	Ultrasonic motors with polymer vibrator. , 2014, , .		2
23	Synthesis of a novel smectic liquid crystalline glass and characterization of its charge carrier transport properties. <i>Journal of Materials Chemistry</i> , 2011, 21, 8045.	6.7	18