

Wenjuan Liu

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	3D FEM Analysis of High-Frequency AlN-Based PMUT Arrays on Cavity SOI. Sensors, 2019, 19, 4450.	3.8	23
2	A Novel Trapezoidal ScAlN/AlN-Based MEMS Piezoelectric Accelerometer. IEEE Sensors Journal, 2021, 21, 21277-21284.	4.7	17
3	A Novel Tri-Axial Piezoelectric MEMS Accelerometer with Folded Beams. Sensors, 2021, 21, 453.	3.8	16
4	Design and Performance of ScAlN/AlN Trapezoidal Cantilever-Based MEMS Piezoelectric Energy Harvesters. IEEE Transactions on Electron Devices, 2021, 68, 2971-2976.	3.0	15
5	ScAlN/AlN Film-Based Lam ^o Mode Resonator With High Effective Electromechanical Coupling Coefficient. Journal of Microelectromechanical Systems, 2021, 30, 677-679.	2.5	15
6	Dual-mode thin film bulk acoustic wave resonator and filter. Journal of Applied Physics, 2020, 128, .	2.5	13
7	A High Q Value ScAlN/AlN-Based SAW Resonator for Load Sensing. IEEE Transactions on Electron Devices, 2021, 68, 5192-5197.	3.0	13
8	Tuning Characteristics of AlN-Based Piezoelectric Micromachined Ultrasonic Transducers Using DC Bias Voltage. IEEE Transactions on Electron Devices, 2022, 69, 729-735.	3.0	13
9	A Novel Coupled Piezoelectric Micromachined Ultrasonic Transducer Based on Piston Mode. IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control, 2021, 68, 3396-3405.	3.0	9
10	A Novel Transfer Function Based Ring-Down Suppression System for PMUTs. Sensors, 2021, 21, 6414.	3.8	7
11	Design and Optimization of the Dual-Mode Lamb Wave Resonator and Dual-Passband Filter. Micromachines, 2022, 13, 87.	2.9	7
12	Influence of Etching Trench on Keff of Film Bulk Acoustic Resonator. Micromachines, 2022, 13, 102.	2.9	6
13	Broadband Piezoelectric Micromachined Ultrasonic Transducer With a Resonant Cavity. IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control, 2022, 69, 340-349.	3.0	4
14	Tunable Electromechanical Coupling Coefficient of a Laterally Excited Bulk Wave Resonator with Composite Piezoelectric Film. Micromachines, 2022, 13, 641.	2.9	3
15	Effects of Electric Bias on Different Sc-Doped AlN-Based Film Bulk Acoustic Resonators. Electronics (Switzerland), 2022, 11, 2167.	3.1	3
16	Piston-Mode pMUT With Mass Load. IEEE Journal of the Electron Devices Society, 2022, 10, 235-244.	2.1	2
17	A Novel Piston-Like Piezoelectric Micromachined Ultrasonic Transducer Based on Mass Loading Effect. , 2021, , .		1