

Xiaojun Ji

List of Publications by Year in descending order

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docs citations

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times ranked

112
citing authors

#	ARTICLE	IF	CITATIONS
1	Cable Current Detection With Passive RF Sensing Tags. IEEE Transactions on Industrial Electronics, 2022, 69, 930-939.	7.9	5
2	Research on Highly Sensitive Strain Sensing Element Based on Surface Acoustic Wave Resonator. IEEE Sensors Journal, 2022, 22, 12595-12601.	4.7	2
3	Anti-Interference Technology of Surface Acoustic Wave Sensor Based on K-Means Clustering Algorithm. IEEE Sensors Journal, 2021, 21, 8998-9007.	4.7	18
4	Theoretical analyses of magnetoelectric effects for magnetostrictive/radial mode piezoelectric transformer composite under dual ac stress and magnetic field modulation. Smart Materials and Structures, 2021, 30, 075018.	3.5	4
5	High-Performance SAWR Strain Sensor With Piston-Mode Operation. IEEE Sensors Journal, 2021, 21, 10514-10521.	4.7	7
6	High-Precision Demodulation Method for Surface Acoustic Wave Strain Sensor Based on Hybrid Changing Area Niche Genetic Algorithm. IEEE Sensors Journal, 2021, , 1-1.	4.7	1
7	A New General Form of 2-D Coupling-of-Modes Equations for Analysis of Waveguiding in Surface Acoustic Wave Devices. IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control, 2020, 67, 1033-1039.	3.0	7
8	Enhanced dc Magnetic Field Sensitivity for Coupled ac Magnetic Field and Stress Driven Soft Magnetic Laminate Heterostructure. IEEE Sensors Journal, 2020, 20, 14756-14763.	4.7	6
9	Analysis and Evaluation the Effect of Electrode Films on the SAW Torque Sensitivity. Acoustical Physics, 2020, 66, 16-20.	1.0	2
10	Analysis of Transmission Power and Efficiency of Side-Mounted Inductive Power Supply System for Metal Rotary Shafts. Journal of Shanghai Jiaotong University (Science), 2020, 25, 273-280.	0.9	1
11	A passive wireless surface acoustic wave sensor for pillar load measurement. AIP Advances, 2019, 9, 105305.	1.3	2
12	A surface acoustic wave response detection method for passive wireless torque sensor. AIP Advances, 2018, 8, 015321.	1.3	17
13	A Novel Rotation Speed Measurement Method Based on Surface Acoustic Wave. Acoustical Physics, 2018, 64, 122-128.	1.0	8
14	Fast surface acoustic wave solution method based on the generalized Green's function. AIP Advances, 2018, 8, 085210.	1.3	0
15	Passive wireless measurement of tension for overhead transmission line based on surface transverse wave. IET Generation, Transmission and Distribution, 2018, 12, 1866-1871.	2.5	2
16	Suppression of Rayleigh wave spurious signal in ultra-wideband surface acoustic wave devices employing 0.67Pb(Mg _{1/3} Nb _{2/3})O ₃ -0.33PbTiO ₃ single crystals. AIP Advances, 2017, 7, .	1.3	1
17	Thoracic impedance measurement for lung function evaluation. , 2017, , .		2
18	A new threshold determination algorithm for SAW resonant sensors. , 2017, , .		0

#	ARTICLE	IF	CITATIONS
19	A new symmetric semi-parallel Electrical Impedance Tomography (EIT) system - i: The design. , 2016, , .		6
20	A new symmetric semi-parallel Electrical Impedance Tomography (EIT) system - II: The performance. , 2016, , .		2
21	An improved OTSU's method for CT image boundary contour extraction. , 2016, , .		4
22	A wireless demodulation system for passive surface acoustic wave torque sensor. Review of Scientific Instruments, 2014, 85, 125001.	1.3	24
23	An Improved Performance Frequency Estimation Algorithm for Passive Wireless SAW Resonant Sensors. Sensors, 2014, 14, 22261-22273.	3.8	19
24	Optimal pressure-sensitive cuts for surface acoustic waves on langasite. Science in China Series F: Information Sciences, 2006, 49, 254-261.	1.1	6
25	Analysis of surface acoustic wave~s thermal behaviors on langasite using lagrangian effective material constants. , 0, , .		0