

# Xiaojun Ji

## List of Publications by Year in descending order

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Version: 2024-02-01

25  
papers

146  
citations

1478505

6  
h-index

1281871

11  
g-index

25  
all docs

25  
docs citations

25  
times ranked

112  
citing authors

#	ARTICLE	IF	CITATIONS
1	A wireless demodulation system for passive surface acoustic wave torque sensor. Review of Scientific Instruments, 2014, 85, 125001.	1.3	24
2	An Improved Performance Frequency Estimation Algorithm for Passive Wireless SAW Resonant Sensors. Sensors, 2014, 14, 22261-22273.	3.8	19
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	A surface acoustic wave response detection method for passive wireless torque sensor. AIP Advances, 2018, 8, 015321.	1.3	17
5	A Novel Rotation Speed Measurement Method Based on Surface Acoustic Wave. Acoustical Physics, 2018, 64, 122-128.	1.0	8
6	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
7	High-Performance SAWR Strain Sensor With Piston-Mode Operation. IEEE Sensors Journal, 2021, 21, 10514-10521.	4.7	7
8	Optimal pressure-sensitive cuts for surface acoustic waves on langasite. Science in China Series F: Information Sciences, 2006, 49, 254-261.	1.1	6
9	A new symmetric semi-parallel Electrical Impedance Tomography (EIT) system - I: The design. , 2016, , .		6
10	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
11	Cable Current Detection With Passive RF Sensing Tags. IEEE Transactions on Industrial Electronics, 2022, 69, 930-939.	7.9	5
12	An improved OTSU's method for CT image boundary contour extraction. , 2016, , .		4
13	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
14	A new symmetric semi-parallel Electrical Impedance Tomography (EIT) system - II: The performance. , 2016, , .		2
15	Thoracic impedance measurement for lung function evaluation. , 2017, , .		2
16	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
17	A passive wireless surface acoustic wave sensor for pillar load measurement. AIP Advances, 2019, 9, 105305.	1.3	2
18	Analysis and Evaluation the Effect of Electrode Films on the SAW Torque Sensitivity. Acoustical Physics, 2020, 66, 16-20.	1.0	2

#	ARTICLE	IF	CITATIONS
19	Research on Highly Sensitive Strain Sensing Element Based on Surface Acoustic Wave Resonator. IEEE Sensors Journal, 2022, 22, 12595-12601.	4.7	2
20	Suppression of Rayleigh wave spurious signal in ultra-wideband surface acoustic wave devices employing 0.67Pb(Mg <sub>1/3</sub> Nb <sub>2/3</sub> )O <sub>3</sub> -0.33PbTiO <sub>3</sub> single crystals. AIP Advances, 2017, 7, .	1.3	1
21	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
22	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
23	Analysis of surface acoustic wave~s thermal behaviors on langasite using lagrangian effective material constants. , 0, , .		0
24	A new threshold determination algorithm for SAW resonant sensors. , 2017, , .		0
25	Fast surface acoustic wave solution method based on the generalized Greenâ€™s function. AIP Advances, 2018, 8, 085210.	1.3	0