

# Xicai Yue

## List of Publications by Year in descending order

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Version: 2024-02-01

20  
papers

308  
citations

1163117

8  
h-index

940533

16  
g-index

21  
all docs

21  
docs citations

21  
times ranked

441  
citing authors

#	ARTICLE	IF	CITATIONS
1	Passive Impedance Sensing Using a SAW Resonator-Coupled Biosensor for Zero-Power Wearable Applications. IEEE Sensors Journal, 2022, 22, 2347-2357.	4.7	3
2	Charge-Based Supercapacitor Storage Estimation for Indoor Sub-mW Photovoltaic Energy Harvesting Powered Wireless Sensor Nodes. IEEE Transactions on Industrial Electronics, 2020, 67, 2411-2421.	7.9	31
3	SAW Based Passively Bioimpedance Sensing for Zero-Power Wearable Applications of Biosensors. , 2019, , .		2
4	An implantable mixed-signal CMOS die for battery-powered in vivo blowfly neural recordings. Microelectronics Journal, 2018, 74, 34-42.	2.0	8
5	Analyses of parasitic capacitance effects and flicker noise of the DAC capacitor array for high resolution SAR ADCs. International Journal of Computer Applications in Technology, 2018, 58, 259.	0.5	3
6	Analyses of parasitic capacitance effects and flicker noise of the DAC capacitor array for high resolution SAR ADCs. International Journal of Computer Applications in Technology, 2018, 58, 259.	0.5	0
7	Development of an Indoor Photovoltaic Energy Harvesting Module for Autonomous Sensors in Building Air Quality Applications. IEEE Internet of Things Journal, 2017, 4, 2092-2103.	8.7	80
8	Estimation of the dynamic leakage current of a supercapacitor in energy harvesting powered autonomous wireless sensor nodes. , 2017, , .		2
9	An output code offset-free comparator for SAR ADCs based on non-linear preamplifier and CMOS inverters. Microelectronics Journal, 2013, 44, 414-420.	2.0	4
10	Determining the reliable minimum unit capacitance for the DAC capacitor array of SAR ADCs. Microelectronics Journal, 2013, 44, 473-478.	2.0	20
11	Generation of spatio-temporal concentration profiles for cell culture systems: A case study in ammonia. Measurement: Journal of the International Measurement Confederation, 2010, 43, 1207-1216.	5.0	1
12	A Low-Power Low-Distortion Amplifier for Fly Neural Recordings. International Conference on Bioinformatics and Biomedical Engineering: [proceedings] International Conference on Bioinformatics and Biomedical Engineering, 2010, , .	0.0	2
13	Modular hardware design for distant internet embedded systems engineering laboratory. Computer Applications in Engineering Education, 2009, 17, 389-397.	3.4	6
14	Biocompatible ion selective electrode for monitoring metabolic activity during the growth and cultivation of human cells. Biosensors and Bioelectronics, 2008, 24, 435-441.	10.1	21
15	Towards information-rich bioprocessing: Generation of spatio-temporal profiles through the use of design of experiments to determine optimal number and location of sensors An example in thermal profiles. Biochemical Engineering Journal, 2008, 40, 1-7.	3.6	5
16	FPGA design and implementation for EIT data acquisition. Physiological Measurement, 2008, 29, 1233-1246.	2.1	25
17	A Real-Time Multi-Channel Monitoring System for Stem Cell Culture Process. IEEE Transactions on Biomedical Circuits and Systems, 2008, 2, 66-77.	4.0	25
18	Intelligent bioprocessing for haematopoietic cell cultures using monitoring and design of experiments. Biotechnology Advances, 2007, 25, 353-368.	11.7	60

#	ARTICLE	IF	CITATIONS
19	8-channel physiological monitoring platform of stem cell culture systems. , 2006, , .		2
20	Neural networks for improved text-independent speaker identification. IEEE Engineering in Medicine and Biology Magazine, 2002, 21, 53-58.	0.8	8