Yuxiang Yang

List of Publications by Year
in descending order

29	402	1040056	794594
papers	citations	9	19
		h-index	g-index
29	29	29	393
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Design and preliminary evaluation of a portable device for the measurement of bioimpedance spectroscopy. Physiological Measurement, 2006, 27, 1293-1310.	2.1	74
2	Frequency Estimation of Distorted and Noisy Signals in Power Systems by FFT-Based Approach. IEEE Transactions on Power Systems, 2014, 29, 765-774.	6.5	69
3	An improved crest factor minimization algorithm to synthesize multisines with arbitrary spectrum. Physiological Measurement, 2015, 36, 895-910.	2.1	38
4	Improved Cole parameter extraction based on the least absolute deviation method. Physiological Measurement, 2013, 34, 1239-1252.	2.1	35
5	Multi-frequency simultaneous measurement of bioimpedance spectroscopy based on a low crest factor multisine excitation. Physiological Measurement, 2015, 36, 489-501.	2.1	26
6	Design of a wideband excitation source for fast bioimpedance spectroscopy. Measurement Science and Technology, 2011, 22, 013001.	2.6	20
7	A Voltage Sag Detection Method Based on Modified S Transform With Digital Prolate Spheroidal Window. IEEE Transactions on Power Delivery, 2021, 36, 997-1006.	4.3	15
8	Optimized Trapezoid Convolution Windows for Harmonic Analysis. IEEE Transactions on Instrumentation and Measurement, 2013, 62, 2609-2612.	4.7	12
9	Wideband mirrored current source design based on differential difference amplifier for electrical bioimpedance spectroscopy. Biomedical Physics and Engineering Express, 2018, 4, 025032.	1.2	12
10	A Design of Bioimpedance Spectrometer for Early Detection of Pressure Ulcer. , 2005, 2005, 6602-4.		11
11	Pornographic images detection using High-Level Semantic features. , 2011, , .		9
12	Design of tri-level excitation signals for broadband bioimpedance spectroscopy. Physiological Measurement, 2015, 36, 1995-2007.	2.1	9
13	Performance Comparison of Windowed Interpolation FFT and Quasisynchronous Sampling Algorithm for Frequency Estimation. Mathematical Problems in Engineering, 2014, 2014, 1-7.	1.1	8
14	A Simplified Time-Domain Fitting Method Based on Fractional Operational Matrix for Cole Parameter Estimation. IEEE Transactions on Instrumentation and Measurement, 2020, 69, 1566-1575.	4.7	8
15	Comparative Study of Influence of Noise on Power Frequency Estimation of Sine wave Using Interpolation FFT. Fluctuation and Noise Letters, 2014, 13, 1450019.	1.5	7
16	A Novel Method for Estimating the Fractional Cole Impedance Model Using Single-Frequency DC-Biased Sinusoidal Excitation. Circuits, Systems, and Signal Processing, 2021, 40, 543-558.	2.0	7
17	New Tetrapolar Method for Complex Bioimpedance Measurement: Theoretical Analysis and Circuit Realization. , 2005, 2005, 6605-7.		6
18	Design and Preliminary Test of a Palm Bio-impedance Spectroscopy Measurement System for Biometric Authentication. , 2014, , .		6

#	Article	IF	Citations
19	Numerical estimation of Fricke–Morse impedance model parameters using single-frequency sinusoidal excitation. Physiological Measurement, 2019, 40, 09NT01.	2.1	6
20	Development of a Stair-Step Multifrequency Synchronized Excitation Signal for Fast Bioimpedance Spectroscopy. BioMed Research International, 2014, 2014, 1-8.	1.9	5
21	Waveform synthesis of multi-frequency sinusoids with 2^nth primary harmonics based on Walsh functions. , 2009, , .		4
22	Accuracy improvement by A three-reference calibration algorithm for a bioimpedance spectrometer. , 2010, , .		4
23	Broadband Bioimpedance Spectroscopy Based on a Multifrequency Mixed Excitation and Nuttall Windowed FFT Algorithm. Mathematical Problems in Engineering, 2014, 2014, 1-9.	1.1	3
24	Track C. Biomedizinische Technik, 2014, 59, s144-262.	0.8	3
25	Design of an air-alternating anti-decubitus wheelchair seating system. , 2009, , .		2
26	Design and preliminary evaluation of an air-alternating wheelchair seating system for pressure ulcer prevention. , 2010, , .		2
27	Near‑binary multisine design with arbitrary sparse spectrum for fast BIS measurement. IET Science, Measurement and Technology, 2018, 12, 448-455.	1.6	1
28	Overlapping community detection algorithms in complex networks based on the fuzzy spectral clustering. , 2013, , .		0
29	Design of a quasi-logarithmically spaced multi-sine signal generator based on FPGA. , 2015, , .		0