

P Bertemes-Filho

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/4916040/publications.pdf>

Version: 2024-02-01

62
papers

563
citations

933447

10
h-index

677142

22
g-index

72
all docs

72
docs citations

72
times ranked

518
citing authors

#	ARTICLE	IF	CITATIONS
1	Using segmental bioimpedance analysis to estimate soft tissue and chemical composition of retail cuts and carcasses of lambs. <i>Meat Science</i> , 2022, 183, 108644.	5.5	1
2	A New Impedance Sensor Based on Electronically Implemented Chaotic Coupled van der Pol and Damped Duffing Oscillators. <i>Frontiers in Electronics</i> , 2022, 3, .	3.2	1
3	Absolute Images Reconstruction in Heart and Lungs for COVID-19 Patients using Multifrequencial Electrical Impedance Tomography System and D-Bar Method. , 2022, , 130-225.		0
4	Designing a current source. , 2021, , 79-98.		2
5	The effect of silver nanowires on the formation of aggregates of poly(3-hexylthiophene) in films deposited on reduced graphene oxide. <i>Journal of Nanoparticle Research</i> , 2021, 23, 1.	1.9	3
6	Hardware for cell culture electrical impedance tomography: A critical review. <i>Review of Scientific Instruments</i> , 2021, 92, 104704.	1.3	4
7	Glucose detection of ringer-lactate solution using electrical bioimpedance: preliminary results. <i>Journal of Physics: Conference Series</i> , 2021, 2008, 012003.	0.4	0
8	Analytical Model for Blood Glucose Detection Using Electrical Impedance Spectroscopy. <i>Sensors</i> , 2020, 20, 6928.	3.8	18
9	Topical issues in electrical impedance tomography and bioimpedance application research. <i>Physiological Measurement</i> , 2020, 41, 120301.	2.1	2
10	Biosensor Based on Carbon Nanocomposites for Detecting Glucose Concentration in Water. <i>IFMBE Proceedings</i> , 2020, , 33-37.	0.3	1
11	Assessing the composition of the soft tissue in lamb carcasses with bioimpedance and accessory measures. <i>Meat Science</i> , 2020, 169, 108192.	5.5	8
12	Low Cost System for Fall Detection in the Elderly. , 2020, , .		2
13	Ripening classification of bananas (<i>Musa acuminata</i>) using electrical impedance spectroscopy and support vector machine. <i>International Journal of Biosensors & Bioelectronics</i> , 2020, 6, 99-101.	0.2	2
14	Gel Impedance Used as a Pressure Sensor: Preliminary Results. <i>IFMBE Proceedings</i> , 2020, , 1481-1487.	0.3	1
15	Acquisition and recognition of ultrasonic signatures using multi-layer neural network. <i>International Journal of Biosensors & Bioelectronics</i> , 2020, 6, 70-73.	0.2	1
16	Intelligent agents in biomedical engineering: a systematic review. <i>International Journal of Biosensors & Bioelectronics</i> , 2020, 6, 123-128.	0.2	1
17	Design of Howland current sources using differential evolution optimization. <i>Journal of Electrical Bioimpedance</i> , 2020, 11, 96-100.	0.9	3
18	Plant tissue differentiation using electrical impedance spectroscopy with deep neural networks. <i>International Journal of Biosensors & Bioelectronics</i> , 2020, 6, .	0.2	1

#	ARTICLE	IF	CITATIONS
19	Modified carbon-paste-surface electrode for NaCl and KCl solution measurements. Measurement Science and Technology, 2019, 30, 105103.	2.6	0
20	Modeling parasitic effects with a RLC-RSC model in electrical impedance measurements. Journal of Physics: Conference Series, 2019, 1272, 012019.	0.4	2
21	Mirrored enhanced Howland current source with feedback control. Review of Scientific Instruments, 2019, 90, 024702.	1.3	13
22	Electrical Impedance Spectroscopy. , 2018, , 5-27.		4
23	Design and Evaluation of an Electrical Bioimpedance Device Based on DIBS for Myography during Isotonic Exercises. Journal of Low Power Electronics and Applications, 2018, 8, 50.	2.0	8
24	Biomedical Serious Game System for Balance Rehabilitation of Hemiparetic Stroke Patients. IEEE Transactions on Neural Systems and Rehabilitation Engineering, 2018, 26, 2179-2188.	4.9	20
25	Extracting parasite effects of electrical bioimpedance measurements. Journal of Electrical Bioimpedance, 2018, 9, 115-122.	0.9	2
26	Electrical properties of phantoms for mimicking breast tissue. , 2017, 2017, 157-160.		11
27	Note: Temperature effects in the modified Howland current source for electrical bioimpedance spectroscopy. Review of Scientific Instruments, 2017, 88, 076103.	1.3	4
28	Howland current source for high impedance load applications. Review of Scientific Instruments, 2017, 88, 114705.	1.3	22
29	Low Cost Biofeedback System for Muscular Strength Analysis and Training. IEEE Latin America Transactions, 2016, 14, 575-581.	1.6	3
30	New Quantitative Indicator for Measuring the Quality of Road. IEEE Latin America Transactions, 2016, 14, 582-585.	1.6	2
31	Designing a mirrored Howland circuit with a particle swarm optimisation algorithm. International Journal of Electronics, 2016, 103, 1029-1037.	1.4	5
32	Biomedical Control Interface for a Physical Rehabilitation Serious Game. IEEE Latin America Transactions, 2016, 14, 38-44.	1.6	1
33	Low-Cost Body Impedance Analyzer for Healthcare Applications. IFMBE Proceedings, 2016, , 56-59.	0.3	0
34	Analog Front-End for the Integrated Circuit AD5933 Used in Electrical Bioimpedance Measurements. IFMBE Proceedings, 2016, , 48-51.	0.3	10
35	Medición del volumen de aire en hidrómetro residencial: resultados preliminares. Ingeniería Solidaria, 2016, 12, 73-79.	0.2	0
36	Gelatin: a skin phantom for bioimpedance spectroscopy. Biomedical Physics and Engineering Express, 2015, 1, 035001.	1.2	10

#	ARTICLE	IF	CITATIONS
37	Water volume measuring system using the capacitive sensor technique. IEEE Latin America Transactions, 2015, 13, 3803-3806.	1.6	1
38	A Serious Game for Training and Evaluating the Balance of Hemiparetic Stroke Patients. IFMBE Proceedings, 2015, , 1128-1131.	0.3	2
39	Gelatin as a Skin Phantom for Bioimpedance Spectroscopy. IFMBE Proceedings, 2015, , 178-182.	0.3	4
40	Dynamometry as a Coadjuvant Analysis for the Characterization of Frailty Syndrome in the Elderly. IFMBE Proceedings, 2015, , 107-110.	0.3	2
41	The effect of the random distribution of electronic components in the output characteristics of the Howland current source. Journal of Physics: Conference Series, 2013, 434, 012019.	0.4	5
42	High Accurate Howland Current Source: Output Constraints Analysis. Circuits and Systems, 2013, 04, 451-458.	0.1	42
43	Electrode Probe Modeling for Skin Cancer Detection by using Impedance Method. IEEE Latin America Transactions, 2012, 10, 1466-1475.	1.6	1
44	Bioelectrical impedance analysis of bovine milk fat. Journal of Physics: Conference Series, 2012, 407, 012009.	0.4	4
45	Mirrored Modified Howland Circuit for Bioimpedance Applications: Analytical Analysis. Journal of Physics: Conference Series, 2012, 407, 012030.	0.4	13
46	Efficient Computational Techniques in Bioimpedance Spectroscopy. , 2012, , .		10
47	Low power current sources for bioimpedance measurements: a comparison between Howland and OTA-based CMOS circuits. Journal of Electrical Bioimpedance, 2012, 3, 66-73.	0.9	17
48	First Latin-American Conference on Bioimpedance (CLABIO 2012). Journal of Physics: Conference Series, 2012, 407, 011001.	0.4	0
49	Numerical sensitivity modeling for the detection of skin tumors by using tetrapolar probe. Electromagnetic Biology and Medicine, 2011, 30, 235-245.	1.4	5
50	Detection of Bovine Milk Adulterants Using Bioimpedance Measurements and Artificial Neural Network. IFMBE Proceedings, 2011, , 1275-1278.	0.3	7
51	Bioelectrical impedance analysis for bovine milk: Preliminary results. Journal of Physics: Conference Series, 2010, 224, 012133.	0.4	8
52	Wide Band Howland Bipolar Current Source using AGC Amplifier. IEEE Latin America Transactions, 2009, 7, 514-518.	1.6	7
53	Frequency-domain reconstruction of signals in electrical bioimpedance spectroscopy. Medical and Biological Engineering and Computing, 2009, 47, 1093-1102.	2.8	11
54	Multichannel Bipolar Current Source Used in Electrical Impedance Spectroscopy: Preliminary Results. IFMBE Proceedings, 2009, , 657-660.	0.3	5

#	ARTICLE	IF	CITATIONS
55	Phase/Magnitude Retrieval Algorithms in Electrical Bioimpedance Spectroscopy. IFMBE Proceedings, 2009, , 5-8.	0.3	1
56	Stand-off electrode (SoE): a new method for improving the sensitivity distribution of a tetrapolar probe. Physiological Measurement, 2003, 24, 517-525.	2.1	8
57	Bipolar and tetrapolar transfer impedance measurements from volume conductor. Electronics Letters, 2000, 36, 2060.	1.0	48
58	A comparison of modified Howland circuits as current generators with current mirror type circuits. Physiological Measurement, 2000, 21, 1-6.	2.1	178
59	Blood Glucose Detection Using 3-LEDs: Analytical Model. Revista Brasileira De Física Médica, 0, 15, 613.	0.0	0
60	Sistema Biomédico para Avaliação e Reabilitação Motora em Hemiparéticos por AVC. , 0, , .		0
61	INTERNET OF THINGS NA ENGENHARIA BIOMÉDICA. , 0, , 68-76.		0
62	Serious game for locomotor rehabilitation of hemiparetic stroke patients. Fisioterapia Em Movimento, 0, 33, .	0.1	4