

# César A González

## List of Publications by Year in descending order

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Version: 2024-02-01

23  
papers

278  
citations

1040056

9  
h-index

996975

15  
g-index

23  
all docs

23  
docs citations

23  
times ranked

144  
citing authors

#	ARTICLE	IF	CITATIONS
1	The detection of brain oedema with frequency-dependent phase shift electromagnetic induction. <i>Physiological Measurement</i> , 2006, 27, 539-552.	2.1	45
2	Volumetric Electromagnetic Phase-Shift Spectroscopy of Brain Edema and Hematoma. <i>PLoS ONE</i> , 2013, 8, e63223.	2.5	36
3	The detection of brain ischaemia in rats by inductive phase shift spectroscopy. <i>Physiological Measurement</i> , 2009, 30, 809-819.	2.1	27
4	A theoretical study on magnetic induction frequency dependence of phase shift in oedema and haematoma. <i>Physiological Measurement</i> , 2006, 27, 829-838.	2.1	26
5	Impedance spectroscopy for monitoring ischemic injury in the intestinal mucosa. <i>Physiological Measurement</i> , 2003, 24, 277-289.	2.1	21
6	The effect of brain hematoma location on volumetric inductive phase shift spectroscopy of the brain with circular and magnetron sensor coils: a numerical simulation study. <i>Physiological Measurement</i> , 2008, 29, S255-S266.	2.1	19
7	High-voltage pulsed electric field laboratory device with asymmetric voltage multiplier for marine macroalgae electroporation. <i>Innovative Food Science and Emerging Technologies</i> , 2020, 60, 102288.	5.6	14
8	<b>In Vivo</b> Inductive Phase Shift Measurements to Detect Intraperitoneal Fluid. <i>IEEE Transactions on Biomedical Engineering</i> , 2007, 54, 953-956.	4.2	13
9	Frequency Dependence of Phase Shift in Edema: a Theoretical Study with Magnetic Induction. , 2005, 2005, 3518-21.		12
10	A Laboratory IGBT-Based High-voltage Pulsed Electric Field Generator for Effective Water Diffusivity Enhancement in Chicken Meat. <i>Food and Bioprocess Technology</i> , 2019, 12, 1993-2003.	4.7	11
11	Experimental sensitivity study of inductive phase shift spectroscopy as non-invasive method for hypoperfusion vs bleeding volumetric detection in brain. , 2008, 2008, 678-81.		10
12	Inductive Phase Shift Spectroscopy for Volumetric Brain Edema Detection: An Experimental Simulation. <i>Annual International Conference of the IEEE Engineering in Medicine and Biology Society</i> , 2007, 2007, 2346-9.	0.5	9
13	Over-hydration detection in brain by magnetic induction spectroscopy. <i>Journal of Physics: Conference Series</i> , 2010, 224, 012123.	0.4	9
14	Label-Free cDNA Detection Based on Radiofrequency Scattering Parameters: A New Approach for an Inexpensive Gene Sensor. <i>Journal of Medical Devices, Transactions of the ASME</i> , 2020, 14, .	0.7	8
15	Impedance spectroscopy assisted by magnetic nanoparticles as a potential biosensor principle for breast cancer cells in suspension. <i>Physiological Measurement</i> , 2014, 35, 931-941.	2.1	5
16	Detection and differentiation of bacteria by electrical bioimpedance spectroscopy. <i>BioTechniques</i> , 2020, 69, 26-36.	1.8	5
17	New Wearable Body Sensor for Continuous Diagnosis of Internal Tissue Bleeding. , 2009, , .		4
18	Expression of c-erbB-2 in breast cancer cell lines as experimental receptor of magnetic nanoparticles. , 2013, 2013, 4498-501.		3

#	ARTICLE	IF	CITATIONS
19	Correlation between the Concentration of DNA and Electrical Bioimpedance. Journal of Physics: Conference Series, 2021, 2008, 012021.	0.4	1
20	Therapy guided by gastric impedance spectroscopy in a septic shock model in pigs. , 2004, 2004, 2307-10.		0
21	Breast Cancer Tissue Marked Selectively by Magnetic Nanoparticles in an Experimental Animal Model. Journal of Nanoscience and Nanotechnology, 2015, 15, 9591-9596.	0.9	0
22	Innovative Biosensor of Circulating Breast Cancer Cells; a Potential Tool in Latin America Oncology Rooms. IFMBE Proceedings, 2019, , 765-768.	0.3	0
23	Modelo Biofísico Bidimensional que Simula el Efecto Ablativo Focalizado de Tejido Renal Cancerígeno a través de Radiofrecuencia y Nanopartículas Ferromagnéticas. IFMBE Proceedings, 2007, , 979-982.	0.3	0