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List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/7450329/publications.pdf

Version: 2024-02-01

24	974	623734	677142
papers	citations	14 h-index	22 g-index

25	25	25	1082
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Cytotoxicity of a Cell Culture Medium Treated with a High-Voltage Pulse Using Stainless Steel Electrodes and the Role of Iron Ions. Membranes, 2022, 12, 184.	3.0	5
2	To breathe or not to breathe? Hypoxia after pulsed-electric field treatment reduces the effectiveness of electrochemotherapy in vitro. Bioelectrochemistry, 2021, 137, 107636.	4.6	1
3	Physicochemical and in vitro cytotoxic properties of chitosan from mushroom species (Boletus) Tj ETQq1 1 0.784314 rgBT /Overlock	10.2	21
4	In vitro cytotoxicity studies of industrial Eucalyptus kraft lignins on mouse hepatoma, melanoma and Chinese hamster ovary cells. International Journal of Biological Macromolecules, 2019, 135, 353-361.	7.5	24
5	Selective susceptibility to nanosecond pulsed electric field (nsPEF) across different human cell types. Cellular and Molecular Life Sciences, 2017, 74, 1741-1754.	5.4	50
6	The Electroporation as a Tool for Studying the Role of Plasma Membrane in the Mechanism of Cytotoxicity of Bisphosphonates and Menadione. Journal of Membrane Biology, 2016, 249, 611-621.	2.1	2
7	Energy-efficient biomass processing with pulsed electric fields for bioeconomy and sustainable development. Biotechnology for Biofuels, 2016, 9, 94.	6.2	179
8	Electric fieldâ€induced effects on yeast cell wall permeabilization. Bioelectromagnetics, 2014, 35, 136-144.	1.6	24
9	Release of Iron Ions From the Stainless Steel Anode Occurring During High-Voltage Pulses and Its Consequences for Cell Electroporation Technology. IEEE Transactions on Plasma Science, 2014, 42, 249-254.	1.3	34
10	Theoretical Analysis and Experimental Determination of the Relationships Between the Parameters of the Electric Field Pulse Required to Electroporate the Cells. IEEE Transactions on Plasma Science, 2013, 41, 2913-2919.	1.3	14
11	System for the Nanoporation of Biological Cells Based on an Optically-Triggered High-Voltage Spark-Gap Switch. IEEE Transactions on Plasma Science, 2013, 41, 2706-2711.	1.3	10
12	On the Mechanism of Synergistic Cytotoxicity of Vitamins C and K3: Experiments in Vitro and Quantum-Chemical Analysis. Biophysical Journal, 2012, 102, 576a.	0.5	1
13	Oxidative effects of nanosecond pulsed electric field exposure in cells and cell-free media. Archives of Biochemistry and Biophysics, 2012, 527, 55-64.	3.0	156
14	Size of the pores created by an electric pulse: Microsecond vs millisecond pulses. Biochimica Et Biophysica Acta - Biomembranes, 2012, 1818, 3032-3039.	2.6	95
15	Iron Ions Released from the Stainless-Steel Anode during High-Voltage Pulse Quench the Fluorescence of Calcein in both Solution and Electroporated Cells. Biophysical Journal, 2012, 102, 730a.	0.5	1
16	Electroporation of Cell Membranes: The Fundamental Effects of Pulsed Electric Fields in Food Processing. Food Engineering Reviews, 2010, 2, 52-73.	5.9	185
17	Determination of cell electroporation from the release of intracellular potassium ions. Analytical Biochemistry, 2007, 360, 273-281.	2.4	32
18	Increase of the roughness of the stainless-steel anode surface due to the exposure to high-voltage electric pulses as revealed by atomic force microscopy. Bioelectrochemistry, 2007, 70, 519-523.	4.6	30

#	Article	IF	Citations
19	Determination of cell electroporation in small-volume samples. Biomedical Sciences Instrumentation, 2007, 43, 306-11.	0.2	4
20	Determination of cell electroporation in small-volume samples by using a mini potassium-selective electrode. Analytical Biochemistry, 2005, 345, 340-342.	2.4	7
21	Changes of the solution pH due to exposure by high-voltage electric pulses. Bioelectrochemistry, 2005, 67, 101-108.	4.6	67
22	The loading of human erythrocytes with small molecules by electroporation. Cellular and Molecular Biology Letters, 2005, 10, 23-35.	7.0	20
23	Cell Electromanipulation Procedures Change the pH of a Solution. , 1999, , 263-266.		4
24	Modeling of the Processes of Pore Creation and Disappearance in a Cell Under the Influence of Strong Electric Field as Random One-Step Processes. , 1999, , 437-440.		0