

Janja Dermol-ÄŒerne

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/3619402/publications.pdf>

Version: 2024-02-01

16
papers

406
citations

623734

14
h-index

996975

15
g-index

19
all docs

19
docs citations

19
times ranked

408
citing authors

#	ARTICLE	IF	CITATIONS
1	Electroporation of Cell-Seeded Electrospun Fiber Mats for Cryopreservation. IFMBE Proceedings, 2021, , 485-494.	0.3	0
2	Cancellation effect is present in high-frequency reversible and irreversible electroporation. Bioelectrochemistry, 2020, 132, 107442.	4.6	46
3	Short microsecond pulses achieve homogeneous electroporation of elongated biological cells irrespective of their orientation in electric field. Scientific Reports, 2020, 10, 9149.	3.3	24
4	High-Pulsed Electromagnetic Field Generator for Contactless Permeabilization of Cells <i>In Vitro</i>. IEEE Transactions on Magnetics, 2020, 56, 1-6.	2.1	8
5	Mechanistic view of skin electroporation â€œ models and dosimetry for successful applications: an expert review. Expert Opinion on Drug Delivery, 2020, 17, 689-704.	5.0	30
6	Experimental and Numerical Study of Electroporation Induced by Long Monopolar and Short Bipolar Pulses on Realistic 3D Irregularly Shaped Cells. IEEE Transactions on Biomedical Engineering, 2020, 67, 2781-2788.	4.2	17
7	Me2SO- and serum-free cryopreservation of human umbilical cord mesenchymal stem cells using electroporation-assisted delivery of sugars. Cryobiology, 2019, 91, 104-114.	0.7	21
8	Nonlinear Dispersive Model of Electroporation for Irregular Nucleated Cells. Bioelectromagnetics, 2019, 40, 331-342.	1.6	19
9	Assessing the electro-deformation and electro-poration of biological cells using a three-dimensional finite element model. Applied Physics Letters, 2019, 114, .	3.3	33
10	The use of high-frequency short bipolar pulses in cisplatin electrochemotherapy in vitro. Radiology and Oncology, 2019, 53, 194-205.	1.7	29
11	Plasma membrane depolarization and permeabilization due to electric pulses in cell lines of different excitability. Bioelectrochemistry, 2018, 122, 103-114.	4.6	26
12	From Cell to Tissue Propertiesâ€™ Modeling Skin Electroporation With Pore and Local Transport Region Formation. IEEE Transactions on Biomedical Engineering, 2018, 65, 458-468.	4.2	22
13	Connecting the in vitro and in vivo experiments in electrochemotherapy - a feasibility study modeling cisplatin transport in mouse melanoma using the dual-porosity model. Journal of Controlled Release, 2018, 286, 33-45.	9.9	18
14	Membrane permeabilization of mammalian cells using bursts of high magnetic field pulses. PeerJ, 2017, 5, e3267.	2.0	34
15	Cell Electrosensitization Exists Only in Certain Electroporation Buffers. PLoS ONE, 2016, 11, e0159434.	2.5	43
16	Mathematical Models Describing Chinese Hamster Ovary Cell Death Due to Electroporation In Vitro. Journal of Membrane Biology, 2015, 248, 865-881.	2.1	36