

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