

Paulo A Garcia

List of Publications by Year in descending order

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Version: 2024-02-01

30
papers

1,907
citations

361045

20
h-index

610482

24
g-index

31
all docs

31
docs citations

31
times ranked

1316
citing authors

#	ARTICLE	IF	CITATIONS
1	Genetic tool development in marine protists: emerging model organisms for experimental cell biology. <i>Nature Methods</i> , 2020, 17, 481-494.	9.0	97
2	Numerical study of the effect of soft layer properties on bacterial electroporation. <i>Bioelectrochemistry</i> , 2018, 123, 261-272.	2.4	12
3	High-Frequency Irreversible Electroporation for Intracranial Meningioma: A Feasibility Study in a Spontaneous Canine Tumor Model. <i>Technology in Cancer Research and Treatment</i> , 2018, 17, 153303381878528.	0.8	58
4	High efficiency hydrodynamic bacterial electrotransformation. <i>Lab on A Chip</i> , 2017, 17, 490-500.	3.1	25
5	Predictive therapeutic planning for irreversible electroporation treatment of spontaneous malignant glioma. <i>Medical Physics</i> , 2017, 44, 4968-4980.	1.6	50
6	Toward establishing model organisms for marine protists: Successful transfection protocols for <i>Parabodo caudatus</i> (Kinetoplastida: Excavata). <i>Environmental Microbiology</i> , 2017, 19, 3487-3499.	1.8	11
7	Microfluidic Screening of Electric Fields for Electroporation. <i>Scientific Reports</i> , 2016, 6, 21238.	1.6	64
8	Safety and feasibility of the NanoKnife system for irreversible electroporation ablative treatment of canine spontaneous intracranial gliomas. <i>Journal of Neurosurgery</i> , 2015, 123, 1008-1025.	0.9	70
9	In Vivo Irreversible Electroporation Kidney Ablation: Experimentally Correlated Numerical Models. <i>IEEE Transactions on Biomedical Engineering</i> , 2015, 62, 561-569.	2.5	68
10	A Numerical Investigation of the Electric and Thermal Cell Kill Distributions in Electroporation-Based Therapies in Tissue. <i>PLoS ONE</i> , 2014, 9, e103083.	1.1	155
11	Focal blood-brain-barrier disruption with high-frequency pulsed electric fields. <i>Technology</i> , 2014, 02, 206-213.	1.4	30
12	INVITED REVIEW "NEUROIMAGING RESPONSE ASSESSMENT CRITERIA FOR BRAIN TUMORS IN VETERINARY PATIENTS. <i>Veterinary Radiology and Ultrasound</i> , 2014, 55, 115-132.	0.4	26
13	Nonthermal Irreversible Electroporation as a Focal Ablation Treatment for Brain Cancer. <i>Tumors of the Central Nervous System</i> , 2014, , 171-182.	0.1	11
14	Pathology of non-thermal irreversible electroporation (N-TIRE)-induced ablation of the canine brain. <i>Journal of Veterinary Science</i> , 2013, 14, 433.	0.5	22
15	Towards a predictive model of electroporation-based therapies using pre-pulse electrical measurements. , 2012, 2012, 2575-8.		5
16	A Three-Dimensional In Vitro Tumor Platform for Modeling Therapeutic Irreversible Electroporation. <i>Biophysical Journal</i> , 2012, 103, 2033-2042.	0.2	81
17	7.0-T Magnetic Resonance Imaging Characterization of Acute Blood-Brain-Barrier Disruption Achieved with Intracranial Irreversible Electroporation. <i>PLoS ONE</i> , 2012, 7, e50482.	1.1	45
18	Experimental Characterization and Numerical Modeling of Tissue Electrical Conductivity during Pulsed Electric Fields for Irreversible Electroporation Treatment Planning. <i>IEEE Transactions on Biomedical Engineering</i> , 2012, 59, 1076-1085.	2.5	174

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19	Electrical conductivity changes during irreversible electroporation treatment of brain cancer. , 2011, 2011, 739-42.		12
20	High-frequency irreversible electroporation (H-FIRE) for non-thermal ablation without muscle contraction. BioMedical Engineering OnLine, 2011, 10, 102.	1.3	265
21	A Parametric Study Delineating Irreversible Electroporation from Thermal Damage Based on a Minimally Invasive Intracranial Procedure. BioMedical Engineering OnLine, 2011, 10, 34.	1.3	118
22	Nonthermal irreversible electroporation for intracranial surgical applications. Journal of Neurosurgery, 2011, 114, 681-688.	0.9	89
23	Experimental characterization of intrapulse tissue conductivity changes for electroporation. , 2011, 2011, 5581-4.		7
24	Successful Treatment of a Large Soft Tissue Sarcoma With Irreversible Electroporation. Journal of Clinical Oncology, 2011, 29, e372-e377.	0.8	113
25	An experimental investigation of temperature changes during electroporation. , 2011, , .		8
26	Intracranial Nonthermal Irreversible Electroporation: InÂVivo Analysis. Journal of Membrane Biology, 2010, 236, 127-136.	1.0	138
27	Non-thermal irreversible electroporation for deep intracranial disorders. , 2010, 2010, 2743-6.		8
28	Towards the creation of decellularized organ constructs using irreversible electroporation and active mechanical perfusion. BioMedical Engineering OnLine, 2010, 9, 83.	1.3	85
29	A Preliminary Study to Delineate Irreversible Electroporation From Thermal Damage Using the Arrhenius Equation. Journal of Biomechanical Engineering, 2009, 131, 074509.	0.6	44
30	Pilot study of irreversible electroporation for intracranial surgery. , 2009, 2009, 6513-6.		16