

# 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	High-frequency irreversible electroporation (H-FIRE) for non-thermal ablation without muscle contraction. <i>BioMedical Engineering OnLine</i> , 2011, 10, 102.	1.3	265
2	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
3	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
4	Intracranial Nonthermal Irreversible Electroporation: InÂVivo Analysis. <i>Journal of Membrane Biology</i> , 2010, 236, 127-136.	1.0	138
5	A Parametric Study Delineating Irreversible Electroporation from Thermal Damage Based on a Minimally Invasive Intracranial Procedure. <i>BioMedical Engineering OnLine</i> , 2011, 10, 34.	1.3	118
6	Successful Treatment of a Large Soft Tissue Sarcoma With Irreversible Electroporation. <i>Journal of Clinical Oncology</i> , 2011, 29, e372-e377.	0.8	113
7	Genetic tool development in marine protists: emerging model organisms for experimental cell biology. <i>Nature Methods</i> , 2020, 17, 481-494.	9.0	97
8	Nonthermal irreversible electroporation for intracranial surgical applications. <i>Journal of Neurosurgery</i> , 2011, 114, 681-688.	0.9	89
9	Towards the creation of decellularized organ constructs using irreversible electroporation and active mechanical perfusion. <i>BioMedical Engineering OnLine</i> , 2010, 9, 83.	1.3	85
10	A Three-Dimensional InÂVtiro Tumor Platform for Modeling Therapeutic Irreversible Electroporation. <i>Biophysical Journal</i> , 2012, 103, 2033-2042.	0.2	81
11	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
12	In Vivo Irreversible Electroporation Kidney Ablation: Experimentally Correlated Numerical Models. <i>IEEE Transactions on Biomedical Engineering</i> , 2015, 62, 561-569.	2.5	68
13	Microfluidic Screening of Electric Fields for Electroporation. <i>Scientific Reports</i> , 2016, 6, 21238.	1.6	64
14	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
15	Predictive therapeutic planning for irreversible electroporation treatment of spontaneous malignant glioma. <i>Medical Physics</i> , 2017, 44, 4968-4980.	1.6	50
16	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
17	A Preliminary Study to Delineate Irreversible Electroporation From Thermal Damage Using the Arrhenius Equation. <i>Journal of Biomechanical Engineering</i> , 2009, 131, 074509.	0.6	44
18	Focal blood-brain-barrier disruption with high-frequency pulsed electric fields. <i>Technology</i> , 2014, 02, 206-213.	1.4	30

#	ARTICLE	IF	CITATIONS
19	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
20	High efficiency hydrodynamic bacterial electrotransformation. <i>Lab on A Chip</i> , 2017, 17, 490-500.	3.1	25
21	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
22	Pilot study of irreversible electroporation for intracranial surgery. , 2009, 2009, 6513-6.		16
23	Electrical conductivity changes during irreversible electroporation treatment of brain cancer. , 2011, 2011, 739-42.		12
24	Numerical study of the effect of soft layer properties on bacterial electroporation. <i>Bioelectrochemistry</i> , 2018, 123, 261-272.	2.4	12
25	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
26	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
27	Non-thermal irreversible electroporation for deep intracranial disorders. , 2010, 2010, 2743-6.		8
28	An experimental investigation of temperature changes during electroporation. , 2011, , .		8
29	Experimental characterization of intrapulse tissue conductivity changes for electroporation. , 2011, 2011, 5581-4.		7
30	Towards a predictive model of electroporation-based therapies using pre-pulse electrical measurements. , 2012, 2012, 2575-8.		5