

# Ramiro M Irastorza

## List of Publications by Year in descending order

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18  
papers

179  
citations

1163117

8  
h-index

1125743

13  
g-index

18  
all docs

18  
docs citations

18  
times ranked

181  
citing authors

#	ARTICLE	IF	CITATIONS
1	Thermal latency adds to lesion depth after application of high-power short-duration radiofrequency energy: Results of a computer modeling study. <i>Journal of Cardiovascular Electrophysiology</i> , 2018, 29, 322-327.	1.7	28
2	Differences in applied electrical power between full thorax models and limited-domain models for RF cardiac ablation. <i>International Journal of Hyperthermia</i> , 2020, 37, 677-687.	2.5	22
3	Modeling of the dielectric properties of trabecular bone samples at microwave frequency. <i>Medical and Biological Engineering and Computing</i> , 2014, 52, 439-447.	2.8	20
4	Computer modeling of radiofrequency cardiac ablation: 30 years of bioengineering research. <i>Computer Methods and Programs in Biomedicine</i> , 2022, 214, 106546.	4.7	18
5	Exact predictions from the Edwards ensemble versus realistic simulations of tapped narrow two-dimensional granular columns. <i>Journal of Statistical Mechanics: Theory and Experiment</i> , 2013, 2013, P12012.	2.3	12
6	How coagulation zone size is underestimated in computer modeling of RF ablation by ignoring the cooling phase just after RF power is switched off. <i>International Journal for Numerical Methods in Biomedical Engineering</i> , 2017, 33, e2869.	2.1	12
7	Effect of the trabecular bone microstructure on measuring its thermal conductivity: A computer modeling-based study. <i>Journal of Thermal Biology</i> , 2018, 77, 131-136.	2.5	11
8	Computer modelling of RF ablation in cortical osteoid osteoma: Assessment of the insulating effect of the reactive zone. <i>International Journal of Hyperthermia</i> , 2016, 32, 221-230.	2.5	10
9	Quaternionic representation of the genetic code. <i>BioSystems</i> , 2016, 141, 10-19.	2.0	8
10	Microwave tomography with phaseless data on the calcaneus by means of artificial neural networks. <i>Medical and Biological Engineering and Computing</i> , 2020, 58, 433-442.	2.8	8
11	Full torso and limited-domain computer models for epicardial pulsed electric field ablation. <i>Computer Methods and Programs in Biomedicine</i> , 2022, 221, 106886.	4.7	8
12	Is there any information on micro-structure in microwave tomography of bone tissue?. <i>Medical Engineering and Physics</i> , 2013, 35, 1173-1180.	1.7	7
13	Dielectric properties of natural and demineralized collagen bone matrix. <i>IEEE Transactions on Dielectrics and Electrical Insulation</i> , 2011, 18, 320-328.	2.9	6
14	Radiofrequency Ablation of Osteoma Osteoide: A Finite Element Study. <i>IFMBE Proceedings</i> , 2015, , 858-862.	0.3	3
15	Sensitivity analysis on imaging the calcaneus using microwaves. <i>Biomedical Physics and Engineering Express</i> , 2019, 5, 045039.	1.2	2
16	Uncertainties and temperature correction in molecular dynamic simulations of dielectric properties of condensed polar systems. <i>Journal of Molecular Liquids</i> , 2019, 278, 546-552.	4.9	2
17	Chirality in a quaternionic representation of the genetic code. <i>BioSystems</i> , 2016, 150, 99-109.	2.0	1
18	Effect of the relative position of electrode and stellate ganglion during thermal radiofrequency ablation: a simulation study. <i>International Journal of Hyperthermia</i> , 2021, 38, 1502-1511.	2.5	1