

# Sagrario Muñoz San Martin

## List of Publications by Year in descending order

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Version: 2024-02-01

31  
papers

421  
citations

840728

11  
h-index

752679

20  
g-index

31  
all docs

31  
docs citations

31  
times ranked

589  
citing authors

#	ARTICLE	IF	CITATIONS
1	Dielectric characterization of bacterial cells using dielectrophoresis. <i>Bioelectromagnetics</i> , 2007, 28, 393-401.	1.6	85
2	Cytoarchitectonic and Dynamic Origins of Giant Positive Local Field Potentials in the Dentate Gyrus. <i>Journal of Neuroscience</i> , 2013, 33, 15518-15532.	3.6	55
3	Interaction between cells in dielectrophoresis and electrorotation experiments. <i>Biomicrofluidics</i> , 2010, 4, .	2.4	50
4	Analysis of the influence of the cell geometry, orientation and cell proximity effects on the electric field distribution from direct RF exposure. <i>Physics in Medicine and Biology</i> , 2001, 46, 213-225.	3.0	41
5	Chronopotentiometric study of a Nafion membrane in presence of glucose. <i>Journal of Membrane Science</i> , 2016, 510, 79-90.	8.2	21
6	Erythrocyte rouleau formation under polarized electromagnetic fields. <i>Physical Review E</i> , 2005, 72, 031913.	2.1	20
7	Transmembrane voltage induced on altered erythrocyte shapes exposed to RF fields. <i>Bioelectromagnetics</i> , 2004, 25, 631-633.	1.6	16
8	Polarizability of shelled particles of arbitrary shape in lossy media with an application to hematic cells. <i>Physical Review E</i> , 2008, 78, 051905.	2.1	16
9	Interparticle forces in electrorheological fluids: effects of polydispersity and shape. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2004, 249, 119-122.	4.7	13
10	Electric field distribution and energy absorption in anisotropic and dispersive red blood cells. <i>Physics in Medicine and Biology</i> , 2007, 52, 6831-6847.	3.0	13
11	Electromechanical effects on multilayered cells in nonuniform rotating fields. <i>Physical Review E</i> , 2011, 84, 011926.	2.1	12
12	Elastic energy of the discocyteâ€“stomatocyte transformation. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2014, 1838, 950-956.	2.6	11
13	The Correlation between the Water Content and Electrolyte Permeability of Cation-Exchange Membranes. <i>International Journal of Molecular Sciences</i> , 2020, 21, 5897.	4.1	10
14	Influence of the calibration kit on the estimation of parasitic effects in HEMT devices at microwave frequencies. <i>IEEE Transactions on Instrumentation and Measurement</i> , 2002, 51, 650-655.	4.7	9
15	Thermal conductivity of silver loaded conductive epoxy from cryogenic to ambient temperature and its application for precision cryogenic noise measurements. <i>Cryogenics</i> , 2016, 76, 23-28.	1.7	9
16	Analysis of radiofrequency energy stored in the altered shapes: Stomatocyteâ€“echinocyte of human erythrocytes. <i>Bioelectrochemistry</i> , 2010, 77, 158-161.	4.6	7
17	Computational method in electrostatics based on Monte Carlo energy minimisation. <i>IET Science, Measurement and Technology</i> , 2001, 148, 121-124.	0.7	6
18	Testing a simple Lee's disc method for estimating through-plane thermal conductivity of polymeric ion-exchange membranes. <i>International Journal of Heat and Mass Transfer</i> , 2022, 184, 122295.	4.8	5

#	ARTICLE	IF	CITATIONS
19	Estimation of the through-plane thermal conductivity of polymeric ion-exchange membranes using finite element technique. International Journal of Heat and Mass Transfer, 2021, 176, 121469.	4.8	4
20	Drain Temperature Dependence on Ambient Temperature for a Cryogenic Low Noise C-Band Amplifier. , 1997, , .		3
21	Modeling the bias and temperature dependence of a C-class MESFET amplifier. IEEE Transactions on Microwave Theory and Techniques, 1997, 45, 527-533.	4.6	3
22	Polarizability of red blood cells with an anisotropic membrane. Physical Review E, 2010, 81, 022901.	2.1	3
23	Alcohol Diffusion in Alkali-Metal-Doped Polymeric Membranes for Using in Alkaline Direct Alcohol Fuel Cells. Membranes, 2022, 12, 666.	3.0	3
24	Coupled maximum entropy: Monte Carlo Estimation of microwave, millimeter-wave and submillimeter-wave spectrum of velocity fluctuations in GaAs. Applied Physics Letters, 1998, 72, 238-240.	3.3	2
25	Low input reflection cryogenic low noise amplifier for Radio Astronomy multipixel receivers. Journal of Instrumentation, 2016, 11, P10018-P10018.	1.2	2
26	Toxicity assessment of biological suspensions using the dielectric impedance spectroscopy technique. International Journal of Radiation Biology, 2018, 94, 944-950.	1.8	2
27	SAR Distribution In Cylindrical Mammalian Cells. , 2000, , .		0
28	Characterization of parasitics in microwave devices by comparing S and noise parameter measurements with two different on wafer calibration techniques. , 0, , .		0
29	Electro-orientation spectra of hematic cells. , 2010, , .		0
30	Influence of strain on sputter yield in nanowires. Materials Today Communications, 2020, 24, 101210.	1.9	0
31	Broadband dielectric characterization of zebrafish embryo suspensions using the impedance spectroscopy technique. IFMBE Proceedings, 2018, , 607-610.	0.3	0