

# Guglielmo d'Inzeo

## List of Publications by Year in descending order

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70  
papers

1,555  
citations

279798

23  
h-index

330143

37  
g-index

70  
all docs

70  
docs citations

70  
times ranked

1370  
citing authors

#	ARTICLE	IF	CITATIONS
1	Is the brain influenced by a phone call?. Neuroscience Research, 2005, 53, 265-270.	1.9	123
2	Effect of High Exogenous Electric Pulses on Protein Conformation: Myoglobin as a Case Study. Journal of Physical Chemistry B, 2013, 117, 2273-2279.	2.6	85
3	Feasibility for Microwaves Energy to Affect Biological Systems Via Nonthermal Mechanisms: A Systematic Approach. IEEE Transactions on Microwave Theory and Techniques, 2013, 61, 2031-2045.	4.6	84
4	Systematic review of wireless phone use and brain cancer and other head tumors. Bioelectromagnetics, 2012, 33, 187-206.	1.6	80
5	Regulation of Osteoblast Differentiation and Iron Content in MC3T3-E1 Cells by Static Magnetic Field with Different Intensities. Biological Trace Element Research, 2018, 184, 214-225.	3.5	69
6	Novel Passive Element Circuits for Microdosimetry of Nanosecond Pulsed Electric Fields. IEEE Transactions on Biomedical Engineering, 2012, 59, 2302-2311.	4.2	63
7	Comparison between low-level 50ÂHz and 900ÂMHz electromagnetic stimulation on single channel ionic currents and on firing frequency in dorsal root ganglion isolated neurons. Biochimica Et Biophysica Acta - Biomembranes, 2006, 1758, 597-605.	2.6	61
8	Microdosimetry for Nanosecond Pulsed Electric Field Applications: A Parametric Study for a Single Cell. IEEE Transactions on Biomedical Engineering, 2011, 58, 1294-1302.	4.2	52
9	Integrated models for the analysis of biological effects of EM fields used for mobile communications. IEEE Transactions on Microwave Theory and Techniques, 2000, 48, 2082-2093.	4.6	48
10	Quantitative assessment of dielectric parameters for membrane lipid bilayers from RF permittivity measurements. Bioelectromagnetics, 2009, 30, 286-298.	1.6	48
11	Inhibitory effects of a gradient static magnetic field on normal angiogenesis. Bioelectromagnetics, 2009, 30, 446-453.	1.6	47
12	Alterations of Mineral Elements in Osteoblast During Differentiation Under Hypo, Moderate and High Static Magnetic Fields. Biological Trace Element Research, 2014, 162, 153-157.	3.5	45
13	Time-course of electromagnetic field effects on human performance and tympanic temperature. NeuroReport, 2004, 15, 161-164.	1.2	41
14	Microdosimetric Study for Nanosecond Pulsed Electric Fields on a Cell Circuit Model with Nucleus. Journal of Membrane Biology, 2013, 246, 761-767.	2.1	41
15	Mixed Quantum-Classical Methods for Molecular Simulations of Biochemical Reactions With Microwave Fields: The Case Study of Myoglobin. IEEE Transactions on Microwave Theory and Techniques, 2008, 56, 2511-2519.	4.6	36
16	A 3-D Microdosimetric Study on Blood Cells: A Permittivity Model of Cell Membrane and Stochastic Electromagnetic Analysis. IEEE Transactions on Microwave Theory and Techniques, 2010, 58, 691-698.	4.6	36
17	Microdosimetry in the Microwave Range: A Quantitative Assessment at Single Cell Level. IEEE Antennas and Wireless Propagation Letters, 2009, 8, 865-868.	4.0	30
18	Modeling electromagnetic fields detectability in a HH-like neuronal system: stochastic resonance and window behavior. Biological Cybernetics, 2006, 94, 118-127.	1.3	29

#	ARTICLE	IF	CITATIONS
19	Effects of static magnetic field on cell biomechanical property and membrane ultrastructure. <i>Bioelectromagnetics</i> , 2014, 35, 251-261.	1.6	29
20	Water response to intense electric fields: A molecular dynamics study. <i>Bioelectromagnetics</i> , 2015, 36, 377-385.	1.6	29
21	Simulated weightlessness alters biological characteristics of human breast cancer cell line MCF-7. <i>Acta Astronautica</i> , 2008, 63, 947-958.	3.2	28
22	Ionic channel gating under electromagnetic exposure: a stochastic model. <i>Bioelectrochemistry</i> , 1993, 29, 289-304.	1.0	26
23	Effect of low frequency, low amplitude magnetic fields on the permeability of cationic liposomes entrapping carbonic anhydrase:I. Evidence for charged lipid involvement. <i>Bioelectromagnetics</i> , 2000, 21, 491-498.	1.6	26
24	Regulation of osteoclast differentiation by static magnetic fields. <i>Electromagnetic Biology and Medicine</i> , 2016, 36, 1-12.	1.4	25
25	A Coplanar-Waveguide System for Cells Exposure During Electrophysiological Recordings. <i>IEEE Transactions on Microwave Theory and Techniques</i> , 2004, 52, 2521-2528.	4.6	24
26	Modeling of Chemical Reactions in Micelle: Water-Mediated Keto $\rightleftharpoons$ Enol Interconversion As a Case Study. <i>Journal of Physical Chemistry B</i> , 2011, 115, 8102-8111.	2.6	23
27	A Real-Time Exposure System for Electrophysiological Recording in Brain Slices. <i>IEEE Transactions on Microwave Theory and Techniques</i> , 2007, 55, 2463-2471.	4.6	22
28	Effect of low frequency, low amplitude magnetic fields on the permeability of cationic liposomes entrapping carbonic anhydrase:II. No evidence for surface enzyme involvement. <i>Bioelectromagnetics</i> , 2000, 21, 499-507.	1.6	21
29	Controlled release from magnetoliposomes aqueous suspensions exposed to a low intensity magnetic field. <i>Bioelectromagnetics</i> , 2014, 35, 309-312.	1.6	21
30	A generalized ionic model of the neuronal membrane electrical activity. <i>IEEE Transactions on Biomedical Engineering</i> , 1994, 41, 125-133.	4.2	19
31	Stochastic resonance induced by exogenous noise in a model of a neuronal network. <i>Network: Computation in Neural Systems</i> , 2013, 24, 99-113.	3.6	16
32	Numerical characterization of intraoperative and chronic electrodes in deep brain stimulation. <i>Frontiers in Computational Neuroscience</i> , 2015, 9, 2.	2.1	16
33	Modeling triplet flavin-indole electron transfer and interradical dipolar interaction: a perturbative approach. <i>Theoretical Chemistry Accounts</i> , 2013, 132, 1.	1.4	14
34	Modelling of neuronal cells exposed to RF fields from mobile telecommunication equipment. <i>Bioelectrochemistry</i> , 1998, 47, 199-205.	1.0	13
35	Effects of 2.45 GHz microwave fields on liposomes entrapping glycoenzyme ascorbate oxidase: Evidence for oligosaccharide side chain involvement. <i>Bioelectromagnetics</i> , 2004, 25, 338-345.	1.6	13
36	Further investigations on non-thermal effects referring to the interaction between ELF fields and transmembrane ionic fluxes. <i>Bioelectrochemistry</i> , 1993, 30, 93-102.	1.0	11

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37	Permeability changes of connexin32 hemi channels reconstituted in liposomes induced by extremely low frequency, low amplitude magnetic fields. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2005, 1668, 33-40.	2.6	11
38	A Complete Model for the Evaluation of the Magnetic Stimulation of Peripheral Nerves. <i>Open Biomedical Engineering Journal</i> , 2014, 8, 1-12.	0.5	11
39	Nitric oxide modulates the responses of osteoclast formation to static magnetic fields. <i>Electromagnetic Biology and Medicine</i> , 2018, 37, 23-34.	1.4	11
40	Dielectric Spectroscopy of Blood Cells Suspensions: Study on Geometrical Structure of Biological Cells. , 2006, 2006, 3194-7.		10
41	Preparation and characterization of lipid vesicles entrapping iron oxide nanoparticles. <i>Asia-Pacific Journal of Chemical Engineering</i> , 2012, 7, S335.	1.5	10
42	A Numerical Study to Compare Stimulations by Intraoperative Microelectrodes and Chronic Macroelectrodes in the DBS Technique. <i>BioMed Research International</i> , 2013, 2013, 1-7.	1.9	10
43	Effects of Exogenous Noise in a Silent Neuron Model: Firing Induction and EM Signal Detection. , 2006, 2006, 4183-6.		9
44	Restoring the encoding properties of a stochastic neuron model by an exogenous noise. <i>Frontiers in Computational Neuroscience</i> , 2015, 9, 42.	2.1	9
45	Human Fibroblasts In Vitro Exposed to 2.45 GHz Continuous and Pulsed Wave Signals: Evaluation of Biological Effects with a Multimethodological Approach. <i>International Journal of Molecular Sciences</i> , 2020, 21, 7069.	4.1	9
46	Indoor Telemedicine in Hospital: a PDA-based Flexible Solution for Wireless Monitoring and Database Integration.. , 2005, 2006, 386-9.		8
47	A microwave microdosimetric study on blood cells: Estimation of cell membrane permittivity and parametric EM analysis. , 2009, , .		8
48	Myoglobin as a Case Study for Molecular Simulations in the Presence of a Microwave Electromagnetic Field. , 2006, , .		7
49	Effects of an Exogenous Noise on a Realistic Network Model: Encoding of an EM Signal. <i>Annual International Conference of the IEEE Engineering in Medicine and Biology Society</i> , 2007, 2007, 2404-7.	0.5	7
50	Theoretical evaluation of GSM/UMTS electromagnetic fields on neuronal network response. <i>IEEE Transactions on Microwave Theory and Techniques</i> , 2002, 50, 3029-3035.	4.6	5
51	Enhancement of EM Signal Detectability in a Realistic Model of Feedforward Neuronal Network. , 2007, , .		5
52	Channel noise enhances signal detectability in a model of acoustic neuron through the stochastic resonance paradigm. , 2009, 2009, 1525-8.		5
53	The CNP signal is able to silence a supra threshold neuronal model. <i>Frontiers in Computational Neuroscience</i> , 2015, 9, 44.	2.1	5
54	A three-dimensional electromagnetic model for the DBS application. , 2009, , .		4

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55	Molecular simulations of biochemical processes in presence of a MW signal. , 2008, , .		3
56	Active devices for microwave distributed amplification. Microwave and Optical Technology Letters, 1990, 3, 51-54.	1.4	2
57	ENERGY EVALUATION OF MW EFFECTS ON ACh RECEPTOR CHANNELS WITH PARALLEL COMPUTING. Electromagnetic Biology and Medicine, 2000, 19, 69-79.	0.4	2
58	Proving lightning role in the evolution of life. Physics of Life Reviews, 2013, 10, 380-381.	2.8	2
59	Solvent-Hemoglobin Binding Site Interaction under Microwave Electromagnetic Exposure: A Molecular Dynamics Study. , 1999, , 383-386.		2
60	A rationale for non-linear responses to strong electric fields in molecular dynamics simulations. Physical Chemistry Chemical Physics, 2022, 24, 11654-11661.	2.8	2
61	Evaluation of fractal properties of ACh-receptor channel's gating exposed to microwave fields. Bioelectrochemistry, 1994, 35, 81-85.	1.0	1
62	Modeling Biological Noise in Firing and Bursting Neurons in the Presence of an Electromagnetic Field. , 0, , .		1
63	Nanosecond pulsed electric field (nsPEF): A microdosimetry study at single cell level. , 2009, , .		1
64	A Wire Patch Cell for &#x201C;in vitro&#x201D; exposure at the Wi-Fi frequencies. , 2010, , .		1
65	Design and realization of a low&#x201C;noise front end for a rdss mobile terminal. Microwave and Optical Technology Letters, 1993, 6, 643-646.	1.4	0
66	The role of water near charged interfaces: Molecular dynamics simulations of biological macromolecules in presence of high intense electric fields. , 2011, , .		0
67	Modeling electromagnetic field effects in a biochemical reaction: Understanding reactivity inhibition due to the magnetic field. , 2011, , .		0
68	Molecular dynamics simulations of a single DNA strand under the action of a continuous wave electric field. , 2014, , .		0
69	Progress report: ICNIRP Statement on non-ionizing radiation for cosmetic purposes. , 2018, , .		0
70	A new wire patch cell for the exposure of cell cultures to electromagnetic fields at 2.45 GHz: Design and numerical characterization. , 2009, , .		0