

Mario Ledda

List of Publications by Year in descending order

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38
papers

812
citations

471061

17
h-index

500791

28
g-index

38
all docs

38
docs citations

38
times ranked

1117
citing authors

#	ARTICLE	IF	CITATIONS
1	Differentiation of human adult cardiac stem cells exposed to extremely low-frequency electromagnetic fields. <i>Cardiovascular Research</i> , 2009, 82, 411-420.	1.8	104
2	Extremely low frequency electromagnetic field exposure promotes differentiation of pituitary corticotrope-derived AtT20 D16V cells. <i>Bioelectromagnetics</i> , 2006, 27, 641-651.	0.9	57
3	Bioelectromagnetic medicine: The role of resonance signaling. <i>Electromagnetic Biology and Medicine</i> , 2013, 32, 484-499.	0.7	52
4	Structure of human succinic semialdehyde dehydrogenase gene: identification of promoter region and alternatively processed isoforms. <i>Molecular Genetics and Metabolism</i> , 2002, 76, 348-362.	0.5	49
5	Low electromagnetic field (50 Hz) induces differentiation on primary human oral keratinocytes (HOK). <i>Bioelectromagnetics</i> , 2004, 25, 118-126.	0.9	42
6	A Combined Synthetic-Fibrin Scaffold Supports Growth and Cardiomyogenic Commitment of Human Placental Derived Stem Cells. <i>PLoS ONE</i> , 2012, 7, e34284.	1.1	39
7	In vitro biocompatibility study of sub-5 nm silica-coated magnetic iron oxide fluorescent nanoparticles for potential biomedical application. <i>Scientific Reports</i> , 2017, 7, 46513.	1.6	39
8	Biocompatibility assessment of sub-5 nm silica-coated superparamagnetic iron oxide nanoparticles in human stem cells and in mice for potential application in nanomedicine. <i>Nanoscale</i> , 2020, 12, 1759-1778.	2.8	36
9	Exposure to 50 Hz electromagnetic radiation promote early maturation and differentiation in newborn rat cerebellar granule neurons. <i>Journal of Cellular Physiology</i> , 2005, 204, 532-538.	2.0	34
10	Ion Cyclotron Resonance as a Tool in Regenerative Medicine. <i>Electromagnetic Biology and Medicine</i> , 2008, 27, 127-133.	0.7	34
11	Extremely Low Frequency 7 Hz 100 μ T Electromagnetic Radiation Promotes Differentiation in the Human Epithelial Cell Line HaCaT. <i>Electromagnetic Biology and Medicine</i> , 2006, 25, 269-280.	0.7	30
12	Cellular ELF Signals as a Possible Tool in Informative Medicine. <i>Electromagnetic Biology and Medicine</i> , 2009, 28, 71-79.	0.7	29
13	Array of disordered silicon nanowires coated by a gold film for combined NIR photothermal treatment of cancer cells and Raman monitoring of the process evolution. <i>Nanotechnology</i> , 2018, 29, 415102.	1.3	24
14	Effect of 3' UTR length on the translational regulation of 5'-terminal oligopyrimidine mRNAs. <i>Gene</i> , 2005, 344, 213-220.	1.0	19
15	Calcium Ion Cyclotron Resonance (ICR) Transfers Information to Living Systems: Effects on Human Epithelial Cell Differentiation. <i>Electromagnetic Biology and Medicine</i> , 2008, 27, 230-240.	0.7	19
16	Lorentz force in water: evidence that hydronium cyclotron resonance enhances polymorphism. <i>Electromagnetic Biology and Medicine</i> , 2015, 34, 370-375.	0.7	19
17	Experimental Finding on the Electromagnetic Information Transfer of Specific Molecular Signals Mediated Through the Aqueous System on Two Human Cellular Models. <i>Journal of Alternative and Complementary Medicine</i> , 2012, 18, 258-261.	2.1	17
18	Interdisciplinary approach to cell-biomaterial interactions: biocompatibility and cell friendly characteristics of RKKP glass-ceramic coatings on titanium. <i>Biomedical Materials (Bristol)</i> , 2015, 10, 035005.	1.7	16

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19	Non Ionising Radiation as a Non Chemical Strategy in Regenerative Medicine: Ca ²⁺ -ICR <i>in Vitro</i> Effect on Neuronal Differentiation and Tumorigenicity Modulation in NT2 Cells. <i>PLoS ONE</i> , 2013, 8, e61535.	1.1	15
20	Nonpulsed Sinusoidal Electromagnetic Fields as a Noninvasive Strategy in Bone Repair: The Effect on Human Mesenchymal Stem Cell Osteogenic Differentiation. <i>Tissue Engineering - Part C: Methods</i> , 2015, 21, 207-217.	1.1	14
21	Weak-field H ₃ O ⁺ ion cyclotron resonance alters water refractive index. <i>Electromagnetic Biology and Medicine</i> , 2016, 36, 1-8.	0.7	14
22	Nonionizing Radiation as a Noninvasive Strategy in Regenerative Medicine: The Effect of Ca ²⁺ -ICR on Mouse Skeletal Muscle Cell Growth and Differentiation. <i>Tissue Engineering - Part A</i> , 2012, 18, 2248-2258.	1.6	12
23	The trail from quantum electro dynamics to informative medicine. <i>Electromagnetic Biology and Medicine</i> , 2015, 34, 147-150.	0.7	12
24	Calcium Ion Cyclotron Resonance (ICR), 7.0%Hz, 9.2% ^{1/4} T Magnetic Field Exposure Initiates Differentiation of Pituitary Corticotrope-Derived AtT20 D16V Cells. <i>Electromagnetic Biology and Medicine</i> , 2010, 29, 63-71.	0.7	11
25	Placenta Derived Mesenchymal Stem Cells Hosted on RKKP Glass-Ceramic: A Tissue Engineering Strategy for Bone Regenerative Medicine Applications. <i>BioMed Research International</i> , 2016, 2016, 1-11.	0.9	10
26	Electromagnetic information transfer through aqueous system. <i>Electromagnetic Biology and Medicine</i> , 2017, 36, 289-294.	0.7	10
27	Silver-coated silicon nanowire platform discriminates genomic DNA from normal and malignant human epithelial cells using label-free Raman spectroscopy. <i>Materials Science and Engineering C</i> , 2021, 122, 111951.	3.8	10
28	Differentiation of Human LAN-5 Neuroblastoma Cells Induced by Extremely Low Frequency Electronically Transmitted Retinoic Acid. <i>Journal of Alternative and Complementary Medicine</i> , 2011, 17, 701-704.	2.1	8
29	Cord Blood CD133 Cells Define an OV6-Positive Population That Can Be Differentiated <i>In Vitro</i> into Engraftable Bipotent Hepatic Progenitors. <i>Stem Cells and Development</i> , 2011, 20, 2009-2021.	1.1	7
30	ELF Non Ionizing Radiation Changes the Distribution of the Inner Chemical Functional Groups in Human Epithelial Cell (HaCaT) Culture. <i>Electromagnetic Biology and Medicine</i> , 2006, 25, 281-289.	0.7	6
31	Biological Response to Bioinspired Microporous 3D-Printed Scaffolds for Bone Tissue Engineering. <i>International Journal of Molecular Sciences</i> , 2022, 23, 5383.	1.8	6
32	Highly electroconductive multiwalled carbon nanotubes as potentially useful tools for modulating calcium balancing in biological environments. <i>Nanomedicine: Nanotechnology, Biology, and Medicine</i> , 2012, 8, 299-307.	1.7	5
33	New Perspectives of Bioelectromagnetics in Biology and in Medicine: DNA Spectra for Diagnostic Purposes. <i>Journal of Physics: Conference Series</i> , 2011, 329, 012011.	0.3	4
34	Non-Ionizing Radiation for Cardiac Human Amniotic Mesenchymal Stromal Cell Commitment: A Physical Strategy in Regenerative Medicine. <i>International Journal of Molecular Sciences</i> , 2018, 19, 2324.	1.8	4
35	Raman Mapping of Biological Systems Interacting with a Disordered Nanostructured Surface: A Simple and Powerful Approach to the Label-Free Analysis of Single DNA Bases. <i>Micromachines</i> , 2021, 12, 264.	1.4	4
36	Combination of cord blood-derived human hepatic progenitors and hepatogenic factors strongly improves recovery after acute liver injury in mice through modulation of the Wnt/ β -catenin signaling. <i>Journal of Tissue Engineering and Regenerative Medicine</i> , 2019, 13, 1031-1043.	1.3	1

#	ARTICLE	IF	CITATIONS
37	Extremely low frequency magnetic field induces differentiation of the human cardiac stem cells. Journal of Molecular and Cellular Cardiology, 2007, 42, S91.	0.9	0
38	466 UMBELICAL CORD BLOOD CD133+ CELLS CAN BE DIFFERENTIATED IN VITRO INTO BIPOTENT HEPATIC PROGENITOR CELLS. Journal of Hepatology, 2008, 48, S177.	1.8	0