Carlos F Martino

List of Publications by Year
in descending order

22	918	567144 15	677027 22
papers	citations	h-index	g-index

23	23	23	948
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Blueâ€light dependent reactive oxygen species formation by Arabidopsis cryptochrome may define a novel evolutionarily conserved signaling mechanism. New Phytologist, 2015, 206, 1450-1462.	3.5	101
2	Spin Biochemistry Modulates Reactive Oxygen Species (ROS) Production by Radio Frequency Magnetic Fields. PLoS ONE, 2014, 9, e93065.	1.1	91
3	Blue-light induced biosynthesis of ROS contributes to the signaling mechanism of Arabidopsis cryptochrome. Scientific Reports, 2017, 7, 13875.	1.6	91
4	The Quantum Biology of Reactive Oxygen Species Partitioning Impacts Cellular Bioenergetics. Scientific Reports, 2016, 6, 38543.	1.6	82
5	Low-intensity electromagnetic fields induce human cryptochrome to modulate intracellular reactive oxygen species. PLoS Biology, 2018, 16, e2006229.	2.6	75
6	Modulation of Hydrogen Peroxide Production in Cellular Systems by Low Level Magnetic Fields. PLoS ONE, 2011, 6, e22753.	1.1	65
7	Magnetic sensitivity mediated by the Arabidopsis blue-light receptor cryptochrome occurs during flavin reoxidation in the dark. Planta, 2019, 249, 319-332.	1.6	63
8	Reduction of the earth's magnetic field inhibits growth rates of model cancer cell lines. Bioelectromagnetics, 2010, 31, 649-655.	0.9	61
9	Effects of weak static magnetic fields on endothelial cells. Bioelectromagnetics, 2010, 31, 296-301.	0.9	58
10	Blue-light dependent ROS formation by Arabidopsis cryptochrome-2 may contribute toward its signaling role. Plant Signaling and Behavior, 2015, 10, e1042647.	1.2	58
11	Blue-light induced accumulation of reactive oxygen species is a consequence of the Drosophila cryptochrome photocycle. PLoS ONE, 2017, 12, e0171836.	1.1	38
12	The effects of pulsed electromagnetic fields on the cellular activity of SaOSâ€2 cells. Bioelectromagnetics, 2008, 29, 125-132.	0.9	32
13	Inhibition of cellular proliferation and enhancement of hydrogen peroxide production in fibrosarcoma cell line by weak radio frequency magnetic fields. Bioelectromagnetics, 2014, 35, 598-602.	0.9	23
14	Direction-Dependent Effects of Combined Static and ELF Magnetic Fields on Cell Proliferation and Superoxide Radical Production. BioMed Research International, 2017, 2017, 1-8.	0.9	19
15	Arabidopsis cryptochrome is responsive to Radiofrequency (RF) electromagnetic fields. Scientific Reports, 2020, 10, 11260.	1.6	19
16	Molecular Oxygen Binding in the Mitochondrial Electron Transfer Flavoprotein. Journal of Chemical Information and Modeling, 2019, 59, 4868-4879.	2.5	12
17	Static magnetic field sensitivity of endothelial cells. Bioelectromagnetics, 2011, 32, 506-508.	0.9	10
18	Reduction of the background magnetic field inhibits ability of Drosophila melanogaster to survive ionizing radiation. Bioelectromagnetics, 2012, 33, 706-709.	0.9	8

#	Article	IF	Citations
19	Mode-selective acoustic spectroscopy of trigonal piezoelectric crystals. IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control, 2008, 55, 1133-1142.	1.7	4
20	The Role of Pulsed Electromagnetic Fields on the Radical Pair Mechanism. Bioelectromagnetics, 2021, 42, 491-500.	0.9	4
21	The role of spin biochemistry in bioenergetics and reactive oxygen species product channeling. , 2016, , .		1
22	Pilot study on the therapeutic potential of radiofrequency magnetic fields: growth inhibition of implanted tumours in mice. British Journal of Cancer, 2020, 123, 1060-1062.	2.9	1