

Lina Ruiz

List of Publications by Year in descending order

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Version: 2024-02-01

38
papers

1,219
citations

361296

20
h-index

395590

33
g-index

40
all docs

40
docs citations

40
times ranked

1369
citing authors

#	ARTICLE	IF	CITATIONS
1	Dynamic Distribution of HIG2A between the Mitochondria and the Nucleus in Response to Hypoxia and Oxidative Stress. <i>International Journal of Molecular Sciences</i> , 2022, 23, 389.	1.8	2
2	Structure-antioxidant activity relationships in boldine and glaucine: a DFT study. <i>New Journal of Chemistry</i> , 2021, 45, 590-596.	1.4	2
3	Role of Copper on Mitochondrial Function and Metabolism. <i>Frontiers in Molecular Biosciences</i> , 2021, 8, 711227.	1.6	189
4	Erythroid Differentiation and Heme Biosynthesis Are Dependent on a Shift in the Balance of Mitochondrial Fusion and Fission Dynamics. <i>Frontiers in Cell and Developmental Biology</i> , 2020, 8, 592035.	1.8	16
5	Biosystem Analysis of the Hypoxia Inducible Domain Family Member 2A: Implications in Cancer Biology. <i>Genes</i> , 2020, 11, 206.	1.0	7
6	Copper deficiency-induced anemia is caused by a mitochondrial metabolic reprogramming in erythropoietic cells. <i>Metallomics</i> , 2019, 11, 282-290.	1.0	28
7	Alterations of Mitochondrial Biology in the Oral Mucosa of Chilean Children with Autism Spectrum Disorder (ASD). <i>Cells</i> , 2019, 8, 367.	1.8	15
8	Interpreting Aromaticity and Antiaromaticity through Bifurcation Analysis of the Induced Magnetic Field. <i>ChemistryOpen</i> , 2019, 8, 321-326.	0.9	9
9	Carbon rings decorated with group 14 elements: new aromatic clusters containing planar tetracoordinate carbon. <i>New Journal of Chemistry</i> , 2019, 43, 6781-6785.	1.4	31
10	The OXPHOS supercomplex assembly factor HIG2A responds to changes in energetic metabolism and cell cycle. <i>Journal of Cellular Physiology</i> , 2019, 234, 17405-17419.	2.0	18
11	Theoretical Study of the Antioxidant Activity of Quercetin Oxidation Products. <i>Frontiers in Chemistry</i> , 2019, 7, 818.	1.8	48
12	Aromaticity in heterocyclic analogues of benzene: Dissected NICS and current density analysis. <i>Journal of Physical Organic Chemistry</i> , 2019, 32, e3823.	0.9	30
13	Which NICS method is most consistent with ring current analysis? Assessment in simple monocycles. <i>RSC Advances</i> , 2018, 8, 13446-13453.	1.7	56
14	The Interplay among PINK1/PARKIN/DJ-1 Network during Mitochondrial Quality Control in Cancer Biology: Protein Interaction Analysis. <i>Cells</i> , 2018, 7, 154.	1.8	37
15	Proposal of a simple and effective local reactivity descriptor through a topological analysis of an orbital-weighted Fukui function. <i>Journal of Computational Chemistry</i> , 2017, 38, 481-488.	1.5	58
16	A Fukui function-guided genetic algorithm. Assessment on structural prediction of Si _n (<i>n</i> = 12-20) clusters. <i>Journal of Computational Chemistry</i> , 2017, 38, 1668-1677.	1.5	11
17	Non-cytotoxic copper overload boosts mitochondrial energy metabolism to modulate cell proliferation and differentiation in the human erythroleukemic cell line K562. <i>Mitochondrion</i> , 2016, 29, 18-30.	1.6	45
18	Revisiting Aromaticity and Chemical Bonding of Fluorinated Benzene Derivatives. <i>ChemistryOpen</i> , 2015, 4, 302-307.	0.9	33

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19	Quercetin Affects Erythropoiesis and Heart Mitochondrial Function in Mice. <i>Oxidative Medicine and Cellular Longevity</i> , 2015, 2015, 1-12.	1.9	24
20	Seco-Taondiol, an Unusual Meroterpenoid from the Chilean Seaweed <i>Styopodium flabelliforme</i> and Its Gastroprotective Effect in Mouse Model. <i>Marine Drugs</i> , 2015, 13, 1726-1738.	2.2	13
21	Diguanylate Cyclase Null Mutant Reveals That C-Di-GMP Pathway Regulates the Motility and Adherence of the Extremophile Bacterium <i>Acidithiobacillus caldus</i> . <i>PLoS ONE</i> , 2015, 10, e0116399.	1.1	37
22	Li ₇ (BH) ₅ ⁺ : a new thermodynamically favored star-shaped molecule. <i>Physical Chemistry Chemical Physics</i> , 2015, 17, 19602-19606.	1.3	14
23	Gastroprotective activity of ent-beyerene derivatives in mice: Effects on gastric secretion, endogenous prostaglandins and non-protein sulfhydryls. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2015, 25, 2813-2817.	1.0	8
24	Adaptive Responses of Mitochondria to Mild Copper Deprivation Involve Changes in Morphology, OXPHOS Remodeling and Bioenergetics. <i>Journal of Cellular Physiology</i> , 2014, 229, 607-619.	2.0	19
25	Copper deficiency alters cell bioenergetics and induces mitochondrial fusion through up-regulation of MFN2 and OPA1 in erythropoietic cells. <i>Biochemical and Biophysical Research Communications</i> , 2013, 437, 426-432.	1.0	27
26	Why is quercetin a better antioxidant than taxifolin? Theoretical study of mechanisms involving activated forms. <i>Journal of Molecular Modeling</i> , 2013, 19, 2165-2172.	0.8	38
27	Assessment of elliptic flame front propagation characteristics of hydrogen in an optically accessible spark ignition engine. <i>International Journal of Hydrogen Energy</i> , 2013, 38, 15452-15468.	3.8	10
28	AHL signaling molecules with a large acyl chain enhance biofilm formation on sulfur and metal sulfides by the bioleaching bacterium <i>Acidithiobacillus ferrooxidans</i> . <i>Applied Microbiology and Biotechnology</i> , 2013, 97, 3729-3737.	1.7	94
29	The extremophile <i>Acidithiobacillus ferrooxidans</i> possesses a c-di-GMP signalling pathway that could play a significant role during bioleaching of minerals. <i>Letters in Applied Microbiology</i> , 2012, 54, 133-139.	1.0	56
30	AHL communication is a widespread phenomenon in biomining bacteria and seems to be involved in mineral-adhesion efficiency. <i>Hydrometallurgy</i> , 2008, 94, 133-137.	1.8	61
31	C-di-GMP Pathway in <i>Acidithiobacillus ferrooxidans</i> : Analysis of Putative Diguanylate Cyclases (DGCs) and Phosphodiesterases (PDEs) Bifunctional Proteins. <i>Advanced Materials Research</i> , 2007, 20-21, 551-555.	0.3	5
32	Immune response in mice and cattle after immunization with a <i>Boophilus microplus</i> DNA vaccine containing bm86 gene. <i>Veterinary Parasitology</i> , 2007, 144, 138-145.	0.7	9
33	A theoretical analysis of codon adaptation index of the <i>Boophilus microplus</i> bm86 gene directed to the optimization of a DNA vaccine. <i>Journal of Theoretical Biology</i> , 2006, 239, 445-449.	0.8	15
34	The Injection of Plasmid DNA in Mouse Muscle Results in Lifelong Persistence of DNA, Gene Expression, and Humoral Response. <i>Molecular Biotechnology</i> , 2004, 27, 109-118.	1.3	36
35	In vivo binding of the Cry11Bb toxin of <i>Bacillus thuringiensis</i> subsp. <i>medellin</i> to the midgut of mosquito larvae (Diptera: Culicidae). <i>Memorias Do Instituto Oswaldo Cruz</i> , 2004, 99, 73-79.	0.8	59
36	Dexamethasone inhibits apoptosis of human neutrophils induced by reactive oxygen species. <i>Inflammation</i> , 2002, 26, 215-222.	1.7	38

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37	Is the Quorum Sensing Type AI-1 System of <i>Acidithiobacillus ferrooxidans</i> Involved in its Attachment to Mineral Surfaces?. <i>Advanced Materials Research</i> , 0, 20-21, 345-349.	0.3	1
38	C-di-GMP Pathway in Biomining Bacteria. <i>Advanced Materials Research</i> , 0, 71-73, 223-226.	0.3	14