Adriana Perez-Gonzalez

List of Publications by Year
in descending order

29 papers	904 citations	489802 18 h-index	536525 29 g-index
29 all docs	29 docs citations	29 times ranked	1191 citing authors

#	Article	IF	Citations
1	Antioxidants into Nopal (Opuntia ficus-indica), Important Inhibitors of Free Radicalsâ€™ Formation. Antioxidants, 2021, 10, 2006.	2.2	4
2	Computer-designed melatonin derivatives: potent peroxyl radical scavengers with no pro-oxidant behavior. Theoretical Chemistry Accounts, 2020, 139, 1.	0.5	5
3	The antioxidant capacity of an imidazole alkaloids family through single-electron transfer reactions. Journal of Molecular Modeling, 2020, 26, 321.	0.8	4
4	Capsaicin, a Powerful â€¢OH-Inactivating Ligand. Antioxidants, 2020, 9, 1247.	2.2	22
5	Melatonin and its metabolites as chemical agents capable of directly repairing oxidized DNA. Journal of Pineal Research, 2019, 66, e12539.	3.4	37
6	Role of purines on the copperâ€catalyzed oxidative damage in biological systems: Protection versus promotion. International Journal of Quantum Chemistry, 2018, 118, e25527.	1.0	11
7	Estimation of empirically fitted parameters for calculating pK a values of thiols in a fast and reliable way. Theoretical Chemistry Accounts, 2018, 137, 1.	0.5	16
8	Chemical Protectors against the Toxic Effects of Paracetamol (Acetaminophen) and Its Meta Analogue: Preventing Protein Arylation. ACS Omega, 2018, 3, 18582-18591.	1.6	3
9	Comprehensive Investigation of the Antioxidant and Pro-oxidant Effects of Phenolic Compounds: A Double-Edged Sword in the Context of Oxidative Stress?. Journal of Physical Chemistry B, 2018, 122, 6198-6214.	1.2	71
10	A Computer-Assisted Systematic Search for Melatonin Derivatives with High Potential as Antioxidants. Melatonin Research, 2018, 1, 27-58.	0.7	29
11	Dual antioxidant/pro-oxidant behavior of the tryptophan metabolite 3-hydroxyanthranilic acid: a theoretical investigation of reaction mechanisms and kinetics. New Journal of Chemistry, 2017, 41, 3829-3845.	1.4	33
12	Direct and cluster-assisted dehydrogenation of methane by Nb⁺ and Ta⁺: a theoretical investigation. Physical Chemistry Chemical Physics, 2017, 19, 16178-16188.	1.3	5
13	Radical-trapping and preventive antioxidant effects of 2-hydroxymelatonin and 4-hydroxymelatonin: Contributions to the melatonin protection against oxidative stress. Biochimica Et Biophysica Acta - General Subjects, 2017, 1861, 2206-2217.	1.1	21
14	Reactivity Indexes and O-H Bond Dissociation Energies of a Large Series of Polyphenols: Implications for their Free Radical Scavenging Activity. Journal of the Mexican Chemical Society, 2017, 56, .	0.2	7
15	Phenolic Melatonin-Related Compounds: Their Role as Chemical Protectors against Oxidative Stress. Molecules, 2016, 21, 1442.	1.7	43
16	Tryptophan versus nitric oxide, nitrogen dioxide and carbonate radicals: differences in reactivity and implications for oxidative damage to proteins. Theoretical Chemistry Accounts, 2016, 135, 1.	0.5	7
17	Empirically Fitted Parameters for Calculating pK_a Values with Small Deviations from Experiments Using a Simple Computational Strategy. Journal of Chemical Information and Modeling, 2016, 56, 1714-1724.	2.5	97
18	Free-radical scavenging by tryptophan and its metabolites through electron transfer based processes. Journal of Molecular Modeling, 2015, 21, 213.	0.8	47

#	Article	IF	Citations
19	Dihydroxybenzoic acids as free radical scavengers: mechanisms, kinetics, and trends in activity. New Journal of Chemistry, 2014, 38, 2639.	1.4	37
20	Tryptophan: antioxidant or target of oxidative stress? A quantum chemistry elucidation. RSC Advances, 2014, 4, 56128-56131.	1.7	21
21	Vertical Ionization Energies of Free Radicals and Electron Detachment Energies of Their Anions: A Comparison of Direct and Indirect Methods Versus Experiment. Journal of Physical Chemistry A, 2014, 118, 6125-6131.	1.1	20
22	On the chemical behavior of C60 hosting H2O and other isoelectronic neutral molecules. Journal of Molecular Modeling, 2014, 20, 2412.	0.8	21
23	Ellagic Acid: An Unusually Versatile Protector against Oxidative Stress. Chemical Research in Toxicology, 2014, 27, 904-918.	1.7	110
24	On the hydroperoxyl radical scavenging activity of two Edaravone derivatives: mechanism and kinetics. Journal of Physical Organic Chemistry, 2013, 26, 261-268.	0.9	7
25	On the Outstanding Antioxidant Capacity of Edaravone Derivatives through Single Electron Transfer Reactions. Journal of Physical Chemistry B, 2012, 116, 1180-1188.	1.2	32
26	On the free radical scavenging mechanism of protocatechuic acid, regeneration of the catechol group in aqueous solution. Theoretical Chemistry Accounts, 2012, 131, 1.	0.5	38
27	On the ^{â€¢}OH and ^{â€¢}OOH scavenging activity of 3â€methylâ€1â€pyridinâ€2â€ylâ€5â€pyrazolone: Comparisons with its parent compound, edaravone. International Journal of Quantum Chemistry, 2012, 112, 3441-3448.	1.0	25
28	OH Radical Scavenging Activity of Edaravone: Mechanism and Kinetics. Journal of Physical Chemistry B, 2011, 115, 1306-1314.	1.2	111
29	Ionization Energies, Proton Affinities, and pK_aValues of a Large Series of Edaravone Derivatives: Implication for Their Free Radical Scavenging Activity. Journal of Physical Chemistry B, 2011, 115, 10375-10384.	1.2	20