Luz MarÃa RodrÃguez-Valdez

List of Publications by Year
in descending order

28	667	933447 10	552781 26
papers	citations	h-index	g-index

28	28	28	770
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Computational simulation of the molecular structure and properties of heterocyclic organic compounds with possible corrosion inhibition properties. Computational and Theoretical Chemistry, 2005, 713, 65-70.	1.5	164
2	Computational simulations of the molecular structure and corrosion properties of amidoethyl, aminoethyl and hydroxyethyl imidazolines inhibitors. Corrosion Science, 2006, 48, 4053-4064.	6.6	152
3	Quantitative structure-activity relationship of molecules constituent of different essential oils with antimycobacterial activity against Mycobacterium tuberculosis and Mycobacterium bovis. BMC Complementary and Alternative Medicine, 2015, 15, 332.	3.7	90
4	CHIH-DFT theoretical study of isomeric thiatriazoles and their potential activity as corrosion inhibitors. Computational and Theoretical Chemistry, 2005, 716, 61-65.	1.5	65
5	Theoretical calculation of the maximum absorption wavelength for Cyanidin molecules with several methodologies. Computational and Theoretical Chemistry, 2015, 1067, 129-134.	2.5	29
6	Theoretical study of electronic properties of organic photovoltaic materials. Journal of Computational Chemistry, 2009, 30, 1027-1037.	3.3	18
7	Theoretical Characterization by Density Functional Theory (DFT) of Delphinidin 3-O-Sambubioside and Its Esters Obtained by Chemical Lipophilization. Molecules, 2018, 23, 1587.	3.8	14
8	Molecular structure and substitution effects on diphenylanthrazolines for organic semiconductors: A theoretical study. Computational and Theoretical Chemistry, 2008, 863, 99-104.	1.5	13
9	Computational note on the chemical reactivity of pyrrole derivatives. Computational and Theoretical Chemistry, 2009, 912, 119-120.	1.5	11
10	Experimental and quantum chemical studies of a novel synthetic prenylated chalcone. Chemistry Central Journal, 2013, 7, 17.	2.6	11
11	Synthesis, electronic, and spectral properties of novel geranylated chalcone derivatives: a theoretical and experimental study. Journal of Molecular Modeling, 2016, 22, 253.	1.8	10
12	DFT calculation of the electronic properties of fluorene-1,3,4-thiadiazole oligomers. Journal of Molecular Modeling, 2013, 19, 3537-3542.	1.8	9
13	Synthesis of exo-Imidazolidin-2-one Dienes, Their Isomerization, and Selectivity in Dielsâ€“Alder Cycloadditions. Journal of Organic Chemistry, 2018, 83, 5347-5364.	3.2	9
14	Inhibitory effect of saccharides and phenolic compounds from maize silks on intestinal Î±â€glucosidases. Journal of Food Biochemistry, 2019, 43, e12896.	2.9	9
15	Theoretical analysis of the electronic properties in Zinc-porphyrins derivatives. Journal of Molecular Structure, 2019, 1191, 259-270.	3.6	9
16	Electronic structure study using density functional theory in organic dendrimers. Journal of Molecular Modeling, 2011, 17, 1963-1972.	1.8	8
17	Theoretical and experimental analysis of porphyrin derivatives with suitable anchoring groups for DSSC applications. Journal of Porphyrins and Phthalocyanines, 2017, 21, 88-102.	0.8	8
18	Rhamnolipids from Pseudomonas aeruginosa Rn19a Modifies the Biofilm Formation over a Borosilicate Surface by Clinical Isolates. Coatings, 2021, 11, 136.	2.6	8

#	Article	IF	Citations
19	CHIH-DFT computational molecular characterization of phenanthro [9,10-c]-1,2,5-thiadiazole 1,1-dioxide. Computational and Theoretical Chemistry, 2008, 862, 60-65.	1.5	6
20	A theoretical study of the carbocation formation energy involved in the isomerization of Î±-pinene. Chemical Physics Letters, 2012, 546, 168-170.	2.6	5
21	Naphtyl- and pyrenyl-flavylium dyads: Synthesis, DFT and optical properties. Journal of Molecular Structure, 2018, 1155, 414-423.	3.6	5
22	Analysis of the Molecular Interactions between Cytochromes P450 3A4 and 1A2 and Aflatoxins: A Docking Study. Applied Sciences (Switzerland), 2019, 9, 2467.	2.5	4
23	Unexpected electron acceptor behavior of the 1,3,4-thiadiazole oligomer, a DFT study. Computational and Theoretical Chemistry, 2015, 1068, 109-116.	2.5	3
24	A Potential Inhibition Process of Ricin Protein with the flavonoids Quercetin and Epigallocatechin Gallate. A Quantum-Chemical and Molecular Docking Study. Processes, 2020, 8, 1393.	2.8	3
25	Computational note on the calculation of the dipole moment, polarizability and hyperpolarizability of solanidine. Computational and Theoretical Chemistry, 2008, 849, 122-123.	1.5	2
26	Computational Study of 3,4-Diphenyl-4-(4-Metoxyphenyl)-1,2,5-Thiadiazoline 1,1-Dioxide for Molecular Photovoltaics. Journal of Computational and Theoretical Nanoscience, 2011, 8, 74-79.	0.4	1
27	The Oxidative Process of Acarbose, Maysin, and Luteolin with Maltase-Glucoamylase: Molecular Docking and Molecular Dynamics Study. Applied Sciences (Switzerland), 2021, 11, 4067.	2.5	1
28	Nueva ruta para la obtencioìn de multiferroicos magnetoeleèctricos monofaèsicos. TECNOCIENCIA (MÃ©xico), 2018, 1, 27-35.	0.2	0