

Misaela Francisco-Marquez

List of Publications by Year in descending order

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30
papers

1,087
citations

448610

19
h-index

511568

30
g-index

30
all docs

30
docs citations

30
times ranked

1387
citing authors

#	ARTICLE	IF	CITATIONS
1	Detailed Investigation of the Outstanding Peroxyl Radical Scavenging Activity of Two Novel Amino-Pyridinol-Based Compounds. <i>Journal of Chemical Information and Modeling</i> , 2019, 59, 3494-3505.	2.5	8
2	Computational study of substituent effects on the acidity, toxicity and chemical reactivity of bacteriostatic sulfonamides. <i>Journal of Molecular Graphics and Modelling</i> , 2018, 81, 116-124.	1.3	41
3	Polymorphism, Intermolecular Interactions, and Spectroscopic Properties in Crystal Structures of Sulfonamides. <i>Journal of Pharmaceutical Sciences</i> , 2018, 107, 273-285.	1.6	17
4	The reactions of plant hormones with reactive oxygen species: chemical insights at a molecular level. <i>Journal of Molecular Modeling</i> , 2018, 24, 255.	0.8	5
5	Adsorption of Sulfonamides on Phyllosilicate Surfaces by Molecular Modeling Calculations. <i>Journal of Physical Chemistry C</i> , 2017, 121, 2905-2914.	1.5	23
6	Silicon-Doped Carbon Nanotubes: Promising CO ₂ /N ₂ Selective Agents for Sequestering Carbon Dioxide. <i>Journal of Physical Chemistry C</i> , 2016, 120, 24476-24481.	1.5	10
7	Anthranilic acid as a secondary antioxidant: Implications to the inhibition of OH production and the associated oxidative stress. <i>Computational and Theoretical Chemistry</i> , 2016, 1077, 18-24.	1.1	16
8	On the chemical behavior of C ₆₀ hosting H ₂ O and other isoelectronic neutral molecules. <i>Journal of Molecular Modeling</i> , 2014, 20, 2412.	0.8	21
9	Ellagic Acid: An Unusually Versatile Protector against Oxidative Stress. <i>Chemical Research in Toxicology</i> , 2014, 27, 904-918.	1.7	110
10	Crystal structure, stability and spectroscopic properties of methane and CO ₂ hydrates. <i>Journal of Molecular Graphics and Modelling</i> , 2013, 44, 253-265.	1.3	44
11	A quantum chemical study on the free radical scavenging activity of tyrosol and hydroxytyrosol. <i>Theoretical Chemistry Accounts</i> , 2012, 131, 1.	0.5	38
12	Physicochemical Insights on the Free Radical Scavenging Activity of Sesamol: Importance of the Acid/Base Equilibrium. <i>Journal of Physical Chemistry B</i> , 2011, 115, 13101-13109.	1.2	64
13	Mechanism and kinetics studies on the antioxidant activity of sinapinic acid. <i>Physical Chemistry Chemical Physics</i> , 2011, 13, 11199.	1.3	80
14	Canolol: A Promising Chemical Agent against Oxidative Stress. <i>Journal of Physical Chemistry B</i> , 2011, 115, 8590-8596.	1.2	77
15	Adsorption of polyaromatic heterocycles on pyrophyllite surface by means of different theoretical approaches. <i>Environmental Chemistry</i> , 2011, 8, 429.	0.7	18
16	Molecular structure and spectroscopic properties of polyaromatic heterocycles by first principle calculations: spectroscopic shifts with the adsorption of thiophene on phyllosilicate surface. <i>Theoretical Chemistry Accounts</i> , 2010, 125, 83-95.	0.5	42
17	Water Complexes of Important Air Pollutants: Geometries, Complexation Energies, Concentrations, Infrared Spectra, and Intrinsic Reactivity. <i>Journal of Physical Chemistry A</i> , 2010, 114, 5796-5809.	1.1	47
18	Mechanism and Branching Ratios of Hydroxy Ethers + [•] OH Gas phase Reactions: Relevance of H Bond Interactions. <i>Journal of Physical Chemistry A</i> , 2010, 114, 7525-7536.	1.1	17

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19	On the Free Radical Scavenging Capability of Carboxylated Single-Walled Carbon Nanotubes. Journal of Physical Chemistry C, 2010, 114, 6363-6370.	1.5	32
20	Effect of Different Functional Groups on the Free Radical Scavenging Capability of Single-Walled Carbon Nanotubes. Journal of Physical Chemistry C, 2010, 114, 14734-14739.	1.5	28
21	Influence of Point Defects on the Free-Radical Scavenging Capability of Single-Walled Carbon Nanotubes. Journal of Physical Chemistry C, 2010, 114, 8302-8308.	1.5	41
22	Rate constants of the gas-phase reactions of OH radicals with <i>trans</i> -hexenal, <i>trans</i> -octenal, and <i>trans</i> -nonenal. International Journal of Chemical Kinetics, 2009, 41, 483-489.	1.0	15
23	Reactions of OOH Radical with β -Carotene, Lycopene, and Torulene: Hydrogen Atom Transfer and Adduct Formation Mechanisms. Journal of Physical Chemistry B, 2009, 113, 11338-11345.	1.2	77
24	Role of the Sulfur Atom on the Reactivity of Methionine toward OH Radicals: Comparison with Norleucine. Journal of Physical Chemistry B, 2009, 113, 4947-4952.	1.2	14
25	Peroxy-Radical-Scavenging Activity of Garlic: 2-Propenesulfenic Acid versus Allicin. Journal of Physical Chemistry B, 2009, 113, 16077-16081.	1.2	59
26	Quantum chemistry and TST study of the mechanism and kinetics of the butadiene and isoprene reactions with mercapto radicals. Chemical Physics, 2008, 344, 273-280.	0.9	12
27	Reactivity of silicon and germanium doped CNTs toward aromatic sulfur compounds: A theoretical approach. Chemical Physics, 2008, 345, 87-94.	0.9	37
28	A Possible Mechanism for Furan Formation in the Tropospheric Oxidation of Dienes. Environmental Science & Technology, 2005, 39, 8797-8802.	4.6	22
29	On the role of <i>s-cis</i> conformers in the reaction of dienes with OH radicals. Physical Chemistry Chemical Physics, 2004, 6, 2237-2244.	1.3	21
30	Theoretical study of the initial reaction between OH and isoprene in tropospheric conditions. Physical Chemistry Chemical Physics, 2003, 5, 1392-1399.	1.3	51