Ricardo R Oliveira

List of Publications by Year
in descending order

29	256	1039880 9	1058333 14
papers	citations	h-index	g-index

30	30	30	367
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Influence of synthesis method on molybdenum carbide crystal structure and catalytic performance in stearic acid hydrodeoxygenation. Applied Catalysis B: Environmental, 2019, 241, 81-88.	10.8	57
2	Hydrodeoxygenation of acrylic acid using Mo2C/Al2O3. Applied Catalysis A: General, 2017, 531, 69-78.	2.2	22
3	Environmentally friendly rhamnolipid production for petroleum remediation. Chemosphere, 2020, 252, 126349.	4.2	17
4	Investigation of hydrogen occlusion by molybdenum carbide. Applied Catalysis A: General, 2014, 469, 139-145.	2.2	13
5	Coupled Cluster and Time-Dependent Density Functional Theory Description of Inner Shell Photoabsorption Cross Sections of Molecules. Journal of Chemical Theory and Computation, 2018, 14, 5324-5338.	2.3	13
6	Hydrogenation of small aromatic heterocycles at low temperatures. Monthly Notices of the Royal Astronomical Society, 2021, 505, 3157-3164.	1.6	13
7	Transition energy and potential energy curves for ionized inner-shell states of CO, O2 and N2 calculated by several inner-shell multiconfigurational approaches. Journal of Molecular Modeling, 2013, 19, 2027-2033.	0.8	11
8	Transitions energies, optical oscillator strengths and partial potential energy surfaces of inner-shell states of water clusters. Chemical Physics, 2018, 508, 26-33.	0.9	11
9	Production of Long-Lived Benzene Dications from Electron Impact in the 20â€“2000 eV Energy Range Combined with the Search for Global Minimum Structures. Journal of Physical Chemistry A, 2020, 124, 9261-9271.	1.1	11
10	Diboryne Nanostructures Stabilized by Multitopic N-Heterocyclic Carbenes: A Computational Study. Inorganic Chemistry, 2018, 57, 3931-3940.	1.9	9
11	Ab initio study of diffusion of hydrogen, silver and lithium in PbS and Ag2S. Computational Materials Science, 2019, 166, 75-81.	1.4	9
12	Hydrogen abstraction reactions in formic and thioformic acid isomers by hydrogen and deuterium atoms. Astronomy and Astrophysics, 2022, 663, A41.	2.1	9
13	Gas-phase spectroscopic characterization of neutral and ionic polycyclic aromatic phosphorus heterocycles (PAPHs). Monthly Notices of the Royal Astronomical Society, 2020, 500, 2564-2576.	1.6	7
14	Strong Selectivity in Symmetry forbidden vibronic transitions in Deep Core Ionic Photofragmentation of the SF6 molecule. International Journal of Mass Spectrometry, 2015, 388, 9-16.	0.7	6
15	Fragment and cluster ions from gaseous and condensed pyridine produced under electron impact. Physical Chemistry Chemical Physics, 2018, 20, 25762-25771.	1.3	6
16	Structure, Stability, and Spectroscopic Properties of Small Acetonitrile Cation Clusters. Journal of Physical Chemistry A, 2020, 124, 6845-6855.	1.1	6
17	Taming the Antiferromagnetic Beast: Computational Design of Ultrashort Mnâ‹¯Mn Bonds Stabilized by Nâ€Heterocyclic Carbenes. Chemistry - A European Journal, 2021, 27, 12126-12136.	1.7	6
18	Multiply charged naphthalene and its C10H8 isomers: bonding, spectroscopy, and implications in AGN environments. Monthly Notices of the Royal Astronomical Society, 2022, 512, 4669-4682.	1.6	5

#	Article	IF	Citations
19	Mechanistic Insights into the Formation of Lithium Fluoride Nanotubes. Chemistry - A European Journal, 2019, 25, 5269-5279.	1.7	4
20	Dissociative single and double photoionization of biphenyl (C12H10) by soft X-rays in planetary nebulae. Monthly Notices of the Royal Astronomical Society, 2020, 499, 6066-6083.	1.6	4
21	Insights on the site-selective fragmentation of CF2Cl2 and CH2Cl2 at the chlorine K-edge from ab initio calculations. Chemical Physics, 2021, 548, 111226.	0.9	4
22	Insights into the Phosphate Species on Niobia Treated with H3PO4. Catalysis Letters, 2020, 150, 1496-1504.	1.4	3
23	Acrylic acid hydrodeoxygenation reaction mechanism over molybdenum carbide studied by DFT calculations. Journal of Molecular Modeling, 2019, 25, 309.	0.8	2
24	Glycerol chlorination reaction mechanism. International Journal of Chemical Kinetics, 2021, 53, 369-378.	1.0	2
25	Ab initio study of structural and electronic properties of lithium fluoride nanotubes. Journal of Applied Physics, 2021, 129, .	1.1	2
26	Rotational spectrum simulations of asymmetric tops in an astrochemical context. Journal of Molecular Modeling, 2020, 26, 278.	0.8	2
27	Microsolvation effect on chlorination reaction of simple alcohols. International Journal of Chemical Kinetics, 2022, 54, 381-388.	1.0	1
28	Automated Search For The Lowâ€Lying Energy Isomers of Rhamnolipids and Related Organometallic Complexes**. ChemPhysChem, 2022, 23, .	1.0	1
29	Symmetry forbidden vibronic transitions near the S K edge excitation of the SF6 molecule. Journal of Physics: Conference Series, 2015, 635, 112026.	0.3	0