

Ricardo R Oliveira

List of Publications by Year in descending order

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Version: 2024-02-01

29
papers

256
citations

1039880

9
h-index

1058333

14
g-index

30
all docs

30
docs citations

30
times ranked

367
citing authors

#	ARTICLE	IF	CITATIONS
1	Multiply charged naphthalene and its C ₁₀ H ₈ isomers: bonding, spectroscopy, and implications in AGN environments. <i>Monthly Notices of the Royal Astronomical Society</i> , 2022, 512, 4669-4682.	1.6	5
2	Microsolvation effect on chlorination reaction of simple alcohols. <i>International Journal of Chemical Kinetics</i> , 2022, 54, 381-388.	1.0	1
3	Hydrogen abstraction reactions in formic and thioformic acid isomers by hydrogen and deuterium atoms. <i>Astronomy and Astrophysics</i> , 2022, 663, A41.	2.1	9
4	Automated Search For The Low-Lying Energy Isomers of Rhamnolipids and Related Organometallic Complexes**. <i>ChemPhysChem</i> , 2022, 23, .	1.0	1
5	Glycerol chlorination reaction mechanism. <i>International Journal of Chemical Kinetics</i> , 2021, 53, 369-378.	1.0	2
6	Ab initio study of structural and electronic properties of lithium fluoride nanotubes. <i>Journal of Applied Physics</i> , 2021, 129, .	1.1	2
7	Hydrogenation of small aromatic heterocycles at low temperatures. <i>Monthly Notices of the Royal Astronomical Society</i> , 2021, 505, 3157-3164.	1.6	13
8	Taming the Antiferromagnetic Beast: Computational Design of Ultrashort Mn-Mn Bonds Stabilized by Heterocyclic Carbenes. <i>Chemistry - A European Journal</i> , 2021, 27, 12126-12136.	1.7	6
9	Insights on the site-selective fragmentation of CF ₂ Cl ₂ and CH ₂ Cl ₂ at the chlorine K-edge from ab initio calculations. <i>Chemical Physics</i> , 2021, 548, 111226.	0.9	4
10	Insights into the Phosphate Species on Niobia Treated with H ₃ PO ₄ . <i>Catalysis Letters</i> , 2020, 150, 1496-1504.	1.4	3
11	Production of Long-Lived Benzene Dications from Electron Impact in the 20-2000 eV Energy Range Combined with the Search for Global Minimum Structures. <i>Journal of Physical Chemistry A</i> , 2020, 124, 9261-9271.	1.1	11
12	Dissociative single and double photoionization of biphenyl (C ₁₂ H ₁₀) by soft X-rays in planetary nebulae. <i>Monthly Notices of the Royal Astronomical Society</i> , 2020, 499, 6066-6083.	1.6	4
13	Structure, Stability, and Spectroscopic Properties of Small Acetonitrile Cation Clusters. <i>Journal of Physical Chemistry A</i> , 2020, 124, 6845-6855.	1.1	6
14	Gas-phase spectroscopic characterization of neutral and ionic polycyclic aromatic phosphorus heterocycles (PAPHs). <i>Monthly Notices of the Royal Astronomical Society</i> , 2020, 500, 2564-2576.	1.6	7
15	Environmentally friendly rhamnolipid production for petroleum remediation. <i>Chemosphere</i> , 2020, 252, 126349.	4.2	17
16	Rotational spectrum simulations of asymmetric tops in an astrochemical context. <i>Journal of Molecular Modeling</i> , 2020, 26, 278.	0.8	2
17	Acrylic acid hydrodeoxygenation reaction mechanism over molybdenum carbide studied by DFT calculations. <i>Journal of Molecular Modeling</i> , 2019, 25, 309.	0.8	2
18	Ab initio study of diffusion of hydrogen, silver and lithium in PbS and Ag ₂ S. <i>Computational Materials Science</i> , 2019, 166, 75-81.	1.4	9

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19	Mechanistic Insights into the Formation of Lithium Fluoride Nanotubes. Chemistry - A European Journal, 2019, 25, 5269-5279.	1.7	4
20	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
21	Diboryne Nanostructures Stabilized by Multitopic N-Heterocyclic Carbenes: A Computational Study. Inorganic Chemistry, 2018, 57, 3931-3940.	1.9	9
22	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
23	Fragment and cluster ions from gaseous and condensed pyridine produced under electron impact. Physical Chemistry Chemical Physics, 2018, 20, 25762-25771.	1.3	6
24	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
25	Hydrodeoxygenation of acrylic acid using Mo ₂ C/Al ₂ O ₃ . Applied Catalysis A: General, 2017, 531, 69-78.	2.2	22
26	Symmetry forbidden vibronic transitions near the S K edge excitation of the SF ₆ molecule. Journal of Physics: Conference Series, 2015, 635, 112026.	0.3	0
27	Strong Selectivity in Symmetry forbidden vibronic transitions in Deep Core Ionic Photofragmentation of the SF ₆ molecule. International Journal of Mass Spectrometry, 2015, 388, 9-16.	0.7	6
28	Investigation of hydrogen occlusion by molybdenum carbide. Applied Catalysis A: General, 2014, 469, 139-145.	2.2	13
29	Transition energy and potential energy curves for ionized inner-shell states of CO, O ₂ and N ₂ calculated by several inner-shell multiconfigurational approaches. Journal of Molecular Modeling, 2013, 19, 2027-2033.	0.8	11