

# Renato P Orenha

## List of Publications by Citations

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39  
papers

132  
citations

7  
h-index

9  
g-index

43  
ext. papers

203  
ext. citations

2.9  
avg, IF

3.05  
L-index

#	Paper	IF	Citations
39	How computational methods and relativistic effects influence the study of chemical reactions involving Ru-NO complexes?. <i>Journal of Computational Chemistry</i> , <b>2017</b> , 38, 883-891	3.5	16
38	CO, NO, and SO adsorption on Ni nanoclusters: a DFT investigation. <i>Dalton Transactions</i> , <b>2020</b> , 49, 6407-6417	4.5	12
37	Nature of the Ru-NO Coordination Bond: Kohn-Sham Molecular Orbital and Energy Decomposition Analysis. <i>ChemistryOpen</i> , <b>2017</b> , 6, 410-416	2.3	11
36	The influence of the negative hyperconjugation is relevant for the analysis of the $\pi$ conjugation with the mono-substitution and di-substitution of H <sub>2</sub> C= by O= and/or HN= in trans-but-1,3-diene?. <i>Structural Chemistry</i> , <b>2018</b> , 29, 847-857	1.8	11
35	( $\pm$ )-Licarin A and its semi-synthetic derivatives: In vitro and in silico evaluation of trypanocidal and schistosomicidal activities. <i>Acta Tropica</i> , <b>2020</b> , 202, 105248	3.2	9
34	Molecular Orbitals of NO, NO <sup>+</sup> , and NO <sup>-</sup> A Computational Quantum Chemistry Experiment. <i>Journal of Chemical Education</i> , <b>2014</b> , 91, 1064-1069	2.4	8
33	MetalLigand Bonding Situation in Ruthenophanes Containing Multibridged Cyclophanes. <i>Organometallics</i> , <b>2017</b> , 36, 3465-3470	3.8	8
32	How does the total charge and isomerism influence the Ru-NO ammine complexes?. <i>Physical Chemistry Chemical Physics</i> , <b>2018</b> , 20, 13348-13356	3.6	7
31	The resonance of cation and anion radicals with multiple conjugated bonds. <i>Structural Chemistry</i> , <b>2015</b> , 26, 365-373	1.8	6
30	A theoretical indicator of transition-metal nanoclusters applied in the carbon nanotube nucleation process: a DFT study. <i>Dalton Transactions</i> , <b>2020</b> , 49, 492-503	4.3	6
29	Computational study of the interaction between NO, NO, and NO with HO. <i>Journal of Molecular Modeling</i> , <b>2016</b> , 22, 276	2	5
28	The usefulness of energy decomposition schemes to rationalize host-guest interactions. <i>Dalton Transactions</i> , <b>2020</b> , 49, 17457-17471	4.3	5
27	How does the acidic milieu interfere in the capability of ruthenium nitrosyl complexes to release nitric oxide?. <i>New Journal of Chemistry</i> , <b>2020</b> , 44, 773-779	3.6	4
26	Resonance in compounds with multiple conjugated bonds. <i>Structural Chemistry</i> , <b>2013</b> , 24, 1153-1162	1.8	3
25	On the recognition of chloride, bromide and nitrate anions by anthracene $\pi$ quaramide conjugated compounds: a computational perspective. <i>New Journal of Chemistry</i> , <b>2020</b> , 44, 17831-17839	3.6	3
24	Shedding light on the electronic structure of [Ru(ECH)(NH)] complex: a computational insight. <i>Journal of Molecular Modeling</i> , <b>2019</b> , 25, 11	2	3
23	How does the pH influences the Ru-NO coordination compounds?. <i>International Journal of Quantum Chemistry</i> , <b>2019</b> , 119, e25999	2.1	2

22	Tracking the role of trans-ligands in ruthenium-NO bond lability: computational insight. <i>New Journal of Chemistry</i> , <b>2020</b> , 44, 11448-11456	3.6	2
21	Copaifera multijuga, Copaifera pubiflora and Copaifera trapezifolia Oleoresins: Chemical Characterization and in vitro Cytotoxic Potential against Tumoral Cell Lines. <i>Journal of the Brazilian Chemical Society</i> ,	1.5	2
20	The anionic recognition mechanism based on polyol and boronic acid receptors. <i>New Journal of Chemistry</i> , <b>2020</b> , 44, 5564-5571	3.6	1
19	Electrospray ionization tandem mass spectrometry of monoketone curcuminoids. <i>Rapid Communications in Mass Spectrometry</i> , <b>2020</b> , 34 Suppl 3, e8699	2.2	1
18	Shedding light on the bonding situation of triangular and square heterometallic clusters: computational insight. <i>New Journal of Chemistry</i> , <b>2020</b> , 44, 5079-5087	3.6	1
17	The bonding situation in heteromultimetallic carbonyl complexes. <i>Dalton Transactions</i> , <b>2020</b> , 49, 16762-16771	3.7	1
16	Synthesis and luminescent properties of new naphthoquinoline lactone derivatives. <i>Journal of Luminescence</i> , <b>2020</b> , 227, 117547	3.8	1
15	Stability Changes in Iridium Nanoclusters via Monoxide Adsorption: A DFT Study within the van der Waals Corrections. <i>Journal of Physical Chemistry A</i> , <b>2021</b> , 125, 4805-4818	2.8	1
14	Green and Red Brazilian Propolis: Antimicrobial Potential and Anti-Virulence against ATCC and Clinically Isolated Multidrug-Resistant Bacteria. <i>Chemistry and Biodiversity</i> , <b>2021</b> , 18, e2100307	2.5	1
13	Can the relative positions (cis/trans) of ligands really modulate the coordination of NO in ruthenium nitrosyl complexes?. <i>New Journal of Chemistry</i> , <b>2021</b> , 45, 1658-1666	3.6	1
12	The design of anion-π interactions and hydrogen bonds for the recognition of chloride, bromide and nitrate anions. <i>Physical Chemistry Chemical Physics</i> , <b>2021</b> , 23, 11455-11465	3.6	1
11	Double-bond elucidation for arsagermene with a tricoordinate germanium center: a theoretical survey. <i>New Journal of Chemistry</i> , <b>2019</b> , 43, 15681-15690	3.6	0
10	Structural investigation of group 10 metal complexes with thiosemicarbazone: crystal structure, mass spectrometry, Hirshfeld surface and in vitro antitumor activity. <i>Structural Chemistry</i> , <b>2020</b> , 31, 2093-2103	1.8	0
9	and cytotoxicity of hinokinin-loaded PLGA microparticle systems against tumoral SiHa cells. <i>Natural Product Research</i> , <b>2021</b> , 1-8	2.3	0
8	The simultaneous recognition mechanism of cations and anions using macrocyclic-iodine structures: insights from dispersion-corrected DFT calculations. <i>Physical Chemistry Chemical Physics</i> , <b>2020</b> , 22, 23795-23803	3.6	0
7	In Vivo and in Silico Trypanocidal Activity Evaluation of (-)-Cubebin Encapsulated in PLGA Microspheres as Potential Treatment in Acute Phase. <i>Chemistry and Biodiversity</i> , <b>2021</b> , 18, e2100052	2.5	0
6	Anti-melanoma effect of ruthenium(II)-diphosphine complexes containing naphthoquinone ligand. <i>Journal of Inorganic Biochemistry</i> , <b>2021</b> , 222, 111497	4.2	0
5	Evaluation of lignan-loaded poly(ε-caprolactone) nanoparticles: synthesis, characterization, and schistosomicidal activity.. <i>Natural Product Research</i> , <b>2021</b> , 1-7	2.3	0

4	Are DFT Methods Able to Predict Reduction Potentials of Ruthenium Nitrosyl Complexes Accurately?. <i>Journal of Physical Chemistry A</i> , <b>2020</b> , 124, 6186-6192	2.8
3	Theoretical study of chloride complexes with hybrid macrocycles. <i>New Journal of Chemistry</i> , <b>2021</b> , 45, 463-470	3.6
2	Designing boron and metal complexes for fluoride recognition: a computational perspective. <i>Physical Chemistry Chemical Physics</i> , <b>2021</b> , 23, 22768-22778	3.6
1	The Donor/acceptor trans effect on NO release in ruthenium nitrosyl complexes: a computational insight. <i>New Journal of Chemistry</i> , <b>2021</b> , 45, 8949-8957	3.6