

# Licnia L G Justino

## List of Publications by Citations

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68 papers	1,273 citations	22 h-index	32 g-index
70 ext. papers	1,411 ext. citations	4.7 avg, IF	4.35 L-index

#	Paper	IF	Citations
68	Rotational isomerism in acetic acid: the first experimental observation of the high-energy conformer. <i>Journal of the American Chemical Society</i> , <b>2003</b> , 125, 16188-9	16.4	106
67	Formic and acetic acids in a nitrogen matrix: Enhanced stability of the higher-energy conformer. <i>Journal of Chemical Physics</i> , <b>2010</b> , 133, 144507	3.9	70
66	Stepwise conformational cooling towards a single isomeric state in the four internal rotors system 1,2-butanediol. <i>Physical Chemistry Chemical Physics</i> , <b>2006</b> , 8, 5339-49	3.6	62
65	Conformational switching in pyruvic acid isolated in Ar and N <sub>2</sub> matrixes: spectroscopic analysis, anharmonic simulation, and tunneling. <i>Journal of Physical Chemistry A</i> , <b>2015</b> , 119, 2614-27	2.8	53
64	Spontaneous tunneling and near-infrared-induced interconversion between the amino-hydroxy conformers of cytosine. <i>Journal of Chemical Physics</i> , <b>2012</b> , 136, 064511	3.9	50
63	NIR-laser-induced selective rotamerization of hydroxy conformers of cytosine. <i>Physical Chemistry Chemical Physics</i> , <b>2010</b> , 12, 9615-8	3.6	50
62	Near-IR laser generation of a high-energy conformer of L-alanine and the mechanism of its decay in a low-temperature nitrogen matrix. <i>Journal of Chemical Physics</i> , <b>2013</b> , 138, 125101	3.9	46
61	Near-infrared laser-induced generation of three rare conformers of glycolic acid. <i>Journal of Physical Chemistry A</i> , <b>2014</b> , 118, 5626-35	2.8	39
60	Infrared spectra and ultraviolet-tunable laser induced photochemistry of matrix-isolated phenol and phenol-d5. <i>Journal of Chemical Physics</i> , <b>2012</b> , 136, 024505	3.9	39
59	Aqueous solution behavior of anionic fluorene-co-thiophene-based conjugated polyelectrolytes. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2009</b> , 1, 864-74	9.5	34
58	Bonding in carbonyl and thiocarbonyl compounds: an ab initio charge density study of H <sub>2</sub> C=X and HC(X)YH (X,Y = O or S). <i>Computational and Theoretical Chemistry</i> , <b>1994</b> , 315, 123-136		34
57	Structural considerations and reactivity of peroxocomplexes of V(V), Mo(VI) and W(VI). <i>Dalton Transactions</i> , <b>2011</b> , 40, 4374-83	4.3	33
56	Gel Formation and Interpolymer Alkyl Chain Interactions with Poly(9,9-dioctylfluorene-2,7-diyl) (PFO) in Toluene Solution: Results from NMR, SANS, DFT, and Semiempirical Calculations and Their Implications for PFO Phase Formation. <i>Macromolecules</i> , <b>2011</b> , 44, 334-343	5.5	32
55	NMR, DFT and luminescence studies of the complexation of Al(III) with 8-hydroxyquinoline-5-sulfonate. <i>Dalton Transactions</i> , <b>2012</b> , 41, 12478-89	4.3	29
54	Density functional theory study of the oxoperoxo vanadium(V) complexes of glycolic acid. Structural correlations with NMR chemical shifts. <i>Dalton Transactions</i> , <b>2009</b> , 9735-45	4.3	28
53	Conformational studies of poly(9,9-dialkylfluorene)s in solution using NMR spectroscopy and density functional theory calculations. <i>Journal of Physical Chemistry B</i> , <b>2009</b> , 113, 11808-21	3.4	27
52	An effect of side chain length on the solution structure of poly(9,9-dialkylfluorene)s in toluene. <i>Polymer</i> , <b>2008</b> , 49, 2033-2038	3.9	27

51	Peroxovanadium(V) complexes of glycolic acid as studied by NMR spectroscopy. <i>Inorganica Chimica Acta</i> , <b>2000</b> , 311, 119-125	2.7	26
50	Near-IR-induced, UV-induced, and spontaneous isomerizations in 5-methylcytosine and 5-fluorocytosine. <i>Journal of Physical Chemistry B</i> , <b>2014</b> , 118, 2831-41	3.4	25
49	Conformational transformation in squaric acid induced by near-IR laser light. <i>Journal of Physical Chemistry A</i> , <b>2013</b> , 117, 5251-9	2.8	25
48	Oxoperoxo vanadium(V) complexes of L-lactic acid: density functional theory study of structure and NMR chemical shifts. <i>Inorganic Chemistry</i> , <b>2008</b> , 47, 7317-26	5.1	25
47	NMR, DFT and luminescence studies of the complexation of Zn(II) with 8-hydroxyquinoline-5-sulfonate. <i>Dalton Transactions</i> , <b>2011</b> , 40, 11732-41	4.3	23
46	Conformational Switching by Vibrational Excitation of a Remote NH Bond. <i>Journal of the American Chemical Society</i> , <b>2015</b> , 137, 14240-3	16.4	21
45	Optical and Photovoltaic Properties of Thieno[3,2-]thiophene-Based Push-Pull Organic Dyes with Different Anchoring Groups for Dye-Sensitized Solar Cells. <i>ACS Omega</i> , <b>2017</b> , 2, 9268-9279	3.9	21
44	Structural and photophysical studies on gallium(III) 8-hydroxyquinoline-5-sulfonates. Does excited state decay involve ligand photolabilisation?. <i>Dalton Transactions</i> , <b>2013</b> , 42, 3682-94	4.3	19
43	NMR spectroscopy study of the peroxovanadium(V) complexes of ?-malic acid. <i>Inorganica Chimica Acta</i> , <b>2003</b> , 356, 179-186	2.7	19
42	Synthesis and characterization of push-pull bithiophene and thieno[3,2-b]thiophene derivatives bearing an ethyne linker as sensitizers for dye-sensitized solar cells. <i>Organic Electronics</i> , <b>2017</b> , 49, 194-205	3.5	18
41	Synthesis, structure, and spectral and electrochemical properties of chromium(III) tris-(8-hydroxyquinolate). <i>Dalton Transactions</i> , <b>2015</b> , 44, 11491-503	4.3	16
40	Conformational Changes in Thiazole-2-carboxylic Acid Selectively Induced by Excitation with Narrowband Near-IR and UV Light. <i>Journal of Physical Chemistry A</i> , <b>2016</b> , 120, 2078-88	2.8	16
39	Structural and Electronic Properties of Poly(9,9-dialkylfluorene)-Based Alternating Copolymers in Solution: An NMR Spectroscopy and Density Functional Theory Study. <i>Journal of Physical Chemistry C</i> , <b>2013</b> , 117, 17969-17982	3.8	15
38	Push-Pull ,Diphenylhydrazones Bearing Bithiophene or Thienothiophene Spacers as Nonlinear Optical Second Harmonic Generators and as Photosensitizers for Nanocrystalline TiO Dye-Sensitized Solar Cells. <i>ACS Omega</i> , <b>2018</b> , 3, 12893-12904	3.9	15
37	Spectroscopic properties, excitation, and electron transfer in an anionic water-soluble poly(Fluorene-alt-phenylene)-perylene diimide copolymer. <i>Journal of Physical Chemistry B</i> , <b>2012</b> , 116, 7548-59	3.4	14
36	Structure and Photochemistry of N-Salicylidene-p-carboxyaniline Isolated in Solid Argon. <i>Journal of Physical Chemistry A</i> , <b>2015</b> , 119, 9121-32	2.8	13
35	Biological Applications of Macrocyclic Schiff Base Ligands and Their Metal Complexes: A Survey of the Literature (2005-2019). <i>Applied Organometallic Chemistry</i> , <b>2020</b> , 34, e5884	3.1	13
34	NMR, DFT and luminescence studies of the complexation of V(V) oxoions in solution with 8-hydroxyquinoline-5-sulfonate. <i>New Journal of Chemistry</i> , <b>2015</b> , 39, 1488-1497	3.6	11

33	Separating Solvent and Conformational Effects on the Photophysics of a Homologous Progression of N-Terminated Phenylenevinylene Oligomers. <i>Journal of Physical Chemistry C</i> , <b>2013</b> , 117, 18353-18366	3.8	11
32	Polymorphism and melt crystallisation of racemic betaxolol, a $\beta$ -adrenergic antagonist drug. <i>Journal of Thermal Analysis and Calorimetry</i> , <b>2013</b> , 111, 2171-2178	4.1	11
31	Density functional and X-ray diffraction studies of bis(isocinchomeronic acid) trihydrated. <i>Journal of Molecular Structure</i> , <b>2007</b> , 837, 58-62	3.4	11
30	Infrared Spectrum and UV-Induced Photochemistry of Matrix-Isolated 5-Hydroxyquinoline. <i>Journal of Physical Chemistry A</i> , <b>2015</b> , 119, 6296-308	2.8	10
29	Oxocomplexes of Mo(VI) and W(VI) with 8-hydroxyquinoline-5-sulfonate in solution: structural studies and the effect of the metal ion on the photophysical behaviour. <i>Dalton Transactions</i> , <b>2015</b> , 44, 19076-89	4.3	10
28	Theoretical and experimental insights into the complexation of 8-hydroxyquinoline-5-sulfonate with divalent ions of Group 12 metals. <i>Polyhedron</i> , <b>2013</b> , 52, 743-749	2.7	10
27	NMR and DFT studies of the complexation of W(VI) and Mo(VI) with 3-phospho-D-glyceric and 2-phospho-D-glyceric acids. <i>Dalton Transactions</i> , <b>2009</b> , 9616-24	4.3	10
26	Effect of pH in the structure and mass transport by diffusion of theophylline. <i>Journal of Chemical Thermodynamics</i> , <b>2017</b> , 110, 162-170	2.9	9
25	Binary diffusion coefficients of L-histidine methyl ester dihydrochloride in aqueous solutions. <i>Journal of Chemical Thermodynamics</i> , <b>2015</b> , 89, 240-244	2.9	9
24	Methylparaben isolated in solid argon: structural characterization and UV-induced conversion into methylparaben radical and isomeric ketenes. <i>Journal of Physical Chemistry B</i> , <b>2013</b> , 117, 13543-55	3.4	8
23	Effects of the matrix and intramolecular interactions on the stability of the higher-energy conformers of 2-fluorobenzoic acid. <i>Journal of Chemical Physics</i> , <b>2017</b> , 146, 124305	3.9	7
22	Self-assembled systems of water soluble metal 8-hydroxyquinolates with surfactants and conjugated polyelectrolytes. <i>Physical Chemistry Chemical Physics</i> , <b>2016</b> , 18, 16629-40	3.6	7
21	Double-tailed long chain BODIPYs - Synthesis, characterization and preliminary studies on their use as lipid fluorescence probes. <i>Journal of Molecular Structure</i> , <b>2017</b> , 1146, 62-69	3.4	6
20	A multi-technique investigation of a new macroacyclic Schiff base ligand and its Cd(II), Zn(II) and Cu(II) complexes. <i>Inorganica Chimica Acta</i> , <b>2019</b> , 495, 118941	2.7	5
19	FTIR investigation of the O-H $\cdots$ Xe interaction in simple carboxylic acids in solid xenon. <i>Journal of Chemical Physics</i> , <b>2012</b> , 137, 064309	3.9	5
18	Thermally and vibrationally induced conformational isomerizations, infrared spectra, and photochemistry of gallic acid in low-temperature matrices. <i>Journal of Chemical Physics</i> , <b>2016</b> , 145, 014304	3.9	5
17	Oxocomplexes of U(vi) with 8-hydroxyquinoline-5-sulfonate in solution: structural studies and photophysical behaviour. <i>Dalton Transactions</i> , <b>2017</b> , 46, 9358-9368	4.3	4
16	Effects of Charge Density on Photophysics and Aggregation Behavior of Anionic Fluorene-Arylene Conjugated Polyelectrolytes. <i>Polymers</i> , <b>2018</b> , 10,	4.5	4

- 15 Synthesis and structural characterization of a new self-assembled disulfide linked meso-tetrakis-porphyrin macromolecular array. *Journal of Porphyrins and Phthalocyanines*, **2008**, 12, 845-848 <sup>1.8</sup> 4
- 14 X-ray Diffraction and DFT Studies of 2-Methoxy-5-phenylaniline. *Journal of Chemical Crystallography*, **2008**, 38, 295-299 0.5 4
- 13 Structural Relevance of Intramolecular H-Bonding in -Hydroxyaryl Schiff Bases: The Case of 3-(5-bromo-2-hydroxybenzylideneamino) Phenol. *Molecules*, **2021**, 26, 4.8 4
- 12 The structure and diffusion behaviour of the 1:1 copper(II) complex of ethambutol in aqueous solution. *Journal of Molecular Liquids*, **2018**, 262, 63-70 6 3
- 11 Ternary mutual diffusion in aqueous (ethambutol dihydrochloride + hydrochloric acid) solutions. *Journal of Chemical Thermodynamics*, **2015**, 90, 140-146 2.9 3
- 10 Experimental and calculated structural parameters of 4-(2-methoxycarbonyl-ethyl)-3,5-dimethyl-1H-pyrrole-2-carboxylic acid benzyl ester. *Journal of Molecular Structure*, **2006**, 785, 32-36 3.4 3
- 9 Synthesis, structural characterization and DFT analysis of an unusual tryptophan copper(II) complex bound via carboxylate monodentate coordination: Tetraaquabis(l-tryptophan) copper(II) picrate. *Inorganica Chimica Acta*, **2018**, 482, 324-332 2.7 3
- 8 Poly(9-undecyl-9-methyl-fluorene) and poly(9-pentadecyl-9-methyl-fluorene): Synthesis, solution structure, and effect of side chain asymmetry on aggregation behavior. *Journal of Polymer Science, Part B: Polymer Physics*, **2019**, 57, 826-837 2.6 2
- 7 Diffusion and structural behaviour of the dl-2-aminobutyric acid. *Journal of Chemical Thermodynamics*, **2019**, 135, 60-67 2.9 2
- 6 Photophysical studies on lanthanide(III) chelates conjugated to Pittsburgh compound B as luminescent probes targeted to Amyloid aggregates. *Photochemical and Photobiological Sciences*, **2020**, 19, 1522-1537 4.2 2
- 5 A novel fluorescent chemosensor for Cu<sup>2+</sup> ion based on a new hexadentate ligand receptor: X-ray single crystal of the perchlorate salt of the ligand, ion selectivity assays and TD-DFT study. *Inorganica Chimica Acta*, **2021**, 515, 120061 2.7 2
- 4 A new Schiff base ligand as a fluorescence probe for Cu(II) detection in semi-aqueous solution: synthesis, characterization, fluorescence and mechanistic insight. *Inorganica Chimica Acta*, **2021**, 528, 120623 2.7 2
- 3 Complexes of In(III) with 8-hydroxyquinoline-5-sulfonate in solution: structural studies and the effect of cationic surfactants on the photophysical behaviour. *Dalton Transactions*, **2021**, 50, 16970-16983 <sup>4.3</sup> 1
- 2 Molecular structure, spectroscopy and photochemistry of alprazolam. *Journal of Molecular Structure*, **2022**, 1247, 131295 3.4 1
- 1 Structuring Conjugated Polymers and Polyelectrolytes Through Self-Assembly. *Materials and Energy*, **2018**, 67-114