

# Licã- nia L G Justino

## List of Publications by Year in descending order

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69  
papers

1,509  
citations

257357

24  
h-index

345118

36  
g-index

70  
all docs

70  
docs citations

70  
times ranked

1346  
citing authors

#	ARTICLE	IF	CITATIONS
1	Rotational Isomerism in Acetic Acid: The First Experimental Observation of the High-Energy Conformer. <i>Journal of the American Chemical Society</i> , 2003, 125, 16188-16189.	6.6	119
2	Formic and acetic acids in a nitrogen matrix: Enhanced stability of the higher-energy conformer. <i>Journal of Chemical Physics</i> , 2010, 133, 144507.	1.2	83
3	Stepwise conformational cooling towards a single isomeric state in the four internal rotors system 1,2-butanediol. <i>Physical Chemistry Chemical Physics</i> , 2006, 8, 5339-5349.	1.3	68
4	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> , 2015, 119, 2614-2627.	1.1	62
5	NIR-laser-induced selective rotamerization of hydroxy conformers of cytosine. <i>Physical Chemistry Chemical Physics</i> , 2010, 12, 9615.	1.3	57
6	Spontaneous tunneling and near-infrared-induced interconversion between the amino-hydroxy conformers of cytosine. <i>Journal of Chemical Physics</i> , 2012, 136, 064511.	1.2	55
7	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> , 2013, 138, 125101.	1.2	51
8	Near-Infrared Laser-Induced Generation of Three Rare Conformers of Glycolic Acid. <i>Journal of Physical Chemistry A</i> , 2014, 118, 5626-5635.	1.1	49
9	Infrared spectra and ultraviolet-tunable laser induced photochemistry of matrix-isolated phenol and phenol-d <sub>5</sub> . <i>Journal of Chemical Physics</i> , 2012, 136, 024505.	1.2	44
10	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> , 1994, 315, 123-136.	1.5	38
11	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 $\beta$ -Phase Formation. <i>Macromolecules</i> , 2011, 44, 334-343.	2.2	36
12	Aqueous Solution Behavior of Anionic Fluorene-co-thiophene-Based Conjugated Polyelectrolytes. <i>ACS Applied Materials &amp; Interfaces</i> , 2009, 1, 864-874.	4.0	34
13	Structural considerations and reactivity of peroxocomplexes of V(v), Mo(vi) and W(vi). <i>Dalton Transactions</i> , 2011, 40, 4374.	1.6	34
14	Conformational Transformation in Squaric Acid Induced by Near-IR Laser Light. <i>Journal of Physical Chemistry A</i> , 2013, 117, 5251-5259.	1.1	33
15	Near-IR-Induced, UV-Induced, and Spontaneous Isomerizations in 5-Methylcytosine and 5-Fluorocytosine. <i>Journal of Physical Chemistry B</i> , 2014, 118, 2831-2841.	1.2	33
16	NMR, DFT and luminescence studies of the complexation of Al(iii) with 8-hydroxyquinoline-5-sulfonate. <i>Dalton Transactions</i> , 2012, 41, 12478.	1.6	32
17	Optical and Photovoltaic Properties of Thieno[3,2-b]thiophene-Based Push-Pull Organic Dyes with Different Anchoring Groups for Dye-Sensitized Solar Cells. <i>ACS Omega</i> , 2017, 2, 9268-9279.	1.6	32
18	An effect of side chain length on the solution structure of poly(9,9-dialkylfluorene)s in toluene. <i>Polymer</i> , 2008, 49, 2033-2038.	1.8	31

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19	Peroxovanadium(V) complexes of glycolic acid as studied by NMR spectroscopy. <i>Inorganica Chimica Acta</i> , 2000, 311, 119-125.	1.2	29
20	Oxoperoxo Vanadium(V) Complexes of L-Lactic Acid: Density Functional Theory Study of Structure and NMR Chemical Shifts. <i>Inorganic Chemistry</i> , 2008, 47, 7317-7326.	1.9	28
21	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> , 2009, 113, 11808-11821.	1.2	28
22	Density functional theory study of the oxoperoxo vanadium(V) complexes of glycolic acid. Structural correlations with NMR chemical shifts. <i>Dalton Transactions</i> , 2009, , 9735.	1.6	28
23	Conformational Switching by Vibrational Excitation of a Remote NH Bond. <i>Journal of the American Chemical Society</i> , 2015, 137, 14240-14243.	6.6	27
24	Push-pull N,N-Diphenylhydrazones Bearing Bithiophene or Thienothiophene Spacers as Nonlinear Optical Second Harmonic Generators and as Photosensitizers for Nanocrystalline TiO <sub>2</sub> Dye-Sensitized Solar Cells. <i>ACS Omega</i> , 2018, 3, 12893-12904.	1.6	25
25	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> , 2017, 49, 194-205.	1.4	24
26	Biological Applications of Macrocyclic Schiff Base Ligands and Their Metal Complexes: A Survey of the Literature (2005-2019). <i>Applied Organometallic Chemistry</i> , 2020, 34, e5884.	1.7	24
27	NMR, DFT and luminescence studies of the complexation of Zn(II) with 8-hydroxyquinoline-5-sulfonate. <i>Dalton Transactions</i> , 2011, 40, 11732.	1.6	23
28	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> , 2016, 120, 2078-2088.	1.1	21
29	NMR spectroscopy study of the peroxovanadium(V) complexes of L-malic acid. <i>Inorganica Chimica Acta</i> , 2003, 356, 179-186.	1.2	20
30	Structural and photophysical studies on gallium(III) 8-hydroxyquinoline-5-sulfonates. Does excited state decay involve ligand photolabilisation?. <i>Dalton Transactions</i> , 2013, 42, 3682.	1.6	19
31	Synthesis, structure, and spectral and electrochemical properties of chromium(III) tris-(8-hydroxyquinolate). <i>Dalton Transactions</i> , 2015, 44, 11491-11503.	1.6	19
32	Structure and Photochemistry of N-Salicylidene-p-carboxyaniline Isolated in Solid Argon. <i>Journal of Physical Chemistry A</i> , 2015, 119, 9121-9132.	1.1	17
33	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> , 2013, 117, 17969-17982.	1.5	15
34	Infrared Spectrum and UV-Induced Photochemistry of Matrix-Isolated 5-Hydroxyquinoline. <i>Journal of Physical Chemistry A</i> , 2015, 119, 6296-6308.	1.1	15
35	Spectroscopic Properties, Excitation, and Electron Transfer in an Anionic Water-Soluble Poly(fluorene-alt-phenylene)-peryleneimide Copolymer. <i>Journal of Physical Chemistry B</i> , 2012, 116, 7548-7559.	1.2	14
36	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> , 2017, 146, 124305.	1.2	14

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37	A new Schiff base ligand as a fluorescence probe for Cu(II) detection in semi-aqueous solution: synthesis, characterization, fluorescence and mechanistic insight. <i>Inorganica Chimica Acta</i> , 2021, 528, 120623.	1.2	14
38	Polymorphism and melt crystallisation of racemic betaxolol, a $\beta_2$ -adrenergic antagonist drug. <i>Journal of Thermal Analysis and Calorimetry</i> , 2013, 111, 2171-2178.	2.0	12
39	Density functional and X-ray diffraction studies of bis(isocinchomeric acid) trihydrated. <i>Journal of Molecular Structure</i> , 2007, 837, 58-62.	1.8	11
40	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> , 2009, , 9616.	1.6	11
41	Separating Solvent and Conformational Effects on the Photophysics of a Homologous Progression of N-Terminated Phenylenevinylene Oligomers. <i>Journal of Physical Chemistry C</i> , 2013, 117, 18353-18366.	1.5	11
42	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> , 2015, 39, 1488-1497.	1.4	11
43	Effect of pH in the structure and mass transport by diffusion of theophylline. <i>Journal of Chemical Thermodynamics</i> , 2017, 110, 162-170.	1.0	11
44	Theoretical and experimental insights into the complexation of 8-hydroxyquinoline-5-sulfonate with divalent ions of Group 12 metals. <i>Polyhedron</i> , 2013, 52, 743-749.	1.0	10
45	Binary diffusion coefficients of l-histidine methyl ester dihydrochloride in aqueous solutions. <i>Journal of Chemical Thermodynamics</i> , 2015, 89, 240-244.	1.0	10
46	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> , 2015, 44, 19076-19089.	1.6	10
47	IR-induced and tunneling reactions in cryogenic matrices: the (incomplete) story of a successful endeavor. <i>Chemical Society Reviews</i> , 2022, 51, 2853-2872.	18.7	10
48	Thermally and vibrationally induced conformational isomerizations, infrared spectra, and photochemistry of gallic acid in low-temperature matrices. <i>Journal of Chemical Physics</i> , 2016, 145, 014304.	1.2	9
49	Methylparaben Isolated in Solid Argon: Structural Characterization and UV-Induced Conversion into Methylparaben Radical and Isomeric Ketenes. <i>Journal of Physical Chemistry B</i> , 2013, 117, 13543-13555.	1.2	8
50	Self-assembled systems of water soluble metal 8-hydroxyquinolates with surfactants and conjugated polyelectrolytes. <i>Physical Chemistry Chemical Physics</i> , 2016, 18, 16629-16640.	1.3	8
51	Structural Relevance of Intramolecular H-Bonding in Ortho-Hydroxyaryl Schiff Bases: The Case of 3-(5-bromo-2-hydroxybenzylideneamino) Phenol. <i>Molecules</i> , 2021, 26, 2814.	1.7	8
52	Double-tailed long chain BODIPYs - Synthesis, characterization and preliminary studies on their use as lipid fluorescence probes. <i>Journal of Molecular Structure</i> , 2017, 1146, 62-69.	1.8	7
53	FTIR investigation of the O $\cdots$ H $\cdots$ Xe interaction in simple carboxylic acids in solid xenon. <i>Journal of Chemical Physics</i> , 2012, 137, 064309.	1.2	6
54	Synthesis, structural characterization and DFT analysis of an unusual tryptophan copper(II) complex bound via carboxylate monodentate coordination: Tetraaquabis(l-tryptophan) copper(II) picrate. <i>Inorganica Chimica Acta</i> , 2018, 482, 324-332.	1.2	6

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55	Effects of Charge Density on Photophysics and Aggregation Behavior of Anionic Fluorene-Arylene Conjugated Polyelectrolytes. <i>Polymers</i> , 2018, 10, 258.	2.0	6
56	Photophysical studies on lanthanide(III) chelates conjugated to Pittsburgh compound B as luminescent probes targeted to A $\beta$ amyloid aggregates. <i>Photochemical and Photobiological Sciences</i> , 2020, 19, 1522-1537.	1.6	6
57	Oxocomplexes of U(VI) with 8-hydroxyquinoline-5-sulfonate in solution: structural studies and photophysical behaviour. <i>Dalton Transactions</i> , 2017, 46, 9358-9368.	1.6	5
58	A multi-technique investigation of a new macrocyclic Schiff base ligand and its Cd(II), Zn(II) and Cu(II) complexes. <i>Inorganica Chimica Acta</i> , 2019, 495, 118941.	1.2	5
59	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. <i>Inorganica Chimica Acta</i> , 2021, 515, 120061.	1.2	5
60	X-ray Diffraction and DFT Studies of 2-Methoxy-5-phenylaniline. <i>Journal of Chemical Crystallography</i> , 2008, 38, 295-299.	0.5	4
61	Synthesis and structural characterization of a new self-assembled disulfide linked meso-tetrakis-porphyrin macromolecular array. <i>Journal of Porphyrins and Phthalocyanines</i> , 2008, 12, 845-848.	0.4	4
62	Experimental and calculated structural parameters of 4-(2-methoxycarbonyl-ethyl)-3,5-dimethyl-1H-pyrrole-2-carboxylic acid benzyl ester. <i>Journal of Molecular Structure</i> , 2006, 785, 32-36.	1.8	3
63	Ternary mutual diffusion in aqueous (ethambutol dihydrochloride+hydrochloric acid) solutions. <i>Journal of Chemical Thermodynamics</i> , 2015, 90, 140-146.	1.0	3
64	The structure and diffusion behaviour of the 1:1 copper(II) complex of ethambutol in aqueous solution. <i>Journal of Molecular Liquids</i> , 2018, 262, 63-70.	2.3	3
65	Poly(9-undecyl- $\epsilon$ -methylfluorene) and poly(9-pentadecyl- $\epsilon$ -methylfluorene): Synthesis, solution structure, and effect of side chain asymmetry on aggregation behavior. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 2019, 57, 826-837.	2.4	3
66	Diffusion and structural behaviour of the dl-2-aminobutyric acid. <i>Journal of Chemical Thermodynamics</i> , 2019, 135, 60-67.	1.0	3
67	Molecular structure, spectroscopy and photochemistry of alprazolam. <i>Journal of Molecular Structure</i> , 2022, 1247, 131295.	1.8	3
68	Complexes of In(III) with 8-hydroxyquinoline-5-sulfonate in solution: Structural studies and the effect of cationic surfactants on the photophysical behaviour. <i>Dalton Transactions</i> , 2021, 50, 16970-16983.	1.6	2
69	Structuring Conjugated Polymers and Polyelectrolytes Through Self-Assembly. <i>Materials and Energy</i> , 2018, , 67-114.	2.5	0