

Rosa M F Batista

List of Publications by Year in descending order

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48
papers

1,395
citations

279798

23
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330143

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docs citations

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times ranked

1408
citing authors

#	ARTICLE	IF	CITATIONS
1	Synthesis and Ion Sensing Properties of New Colorimetric and Fluorimetric Chemosensors Based on Bithienyl-Imidazo-Anthraquinone Chromophores. <i>Organic Letters</i> , 2007, 9, 3201-3204.	4.6	141
2	Synthesis and characterization of new thienylpyrrolyl-benzothiazoles as efficient and thermally stable nonlinear optical chromophores. <i>Tetrahedron</i> , 2007, 63, 4258-4265.	1.9	86
3	Synthesis of new fluorescent 2-(2,2'-bithienyl)-1,3-benzothiazoles. <i>Tetrahedron Letters</i> , 2004, 45, 2825-2828.	1.4	84
4	Synthesis and second-order nonlinear optical properties of new chromophores containing benzimidazole, thiophene, and pyrrole heterocycles. <i>Tetrahedron</i> , 2007, 63, 9842-9849.	1.9	84
5	Synthesis and characterization of novel (oligo)thienyl-imidazo-phenanthrolines as versatile π -conjugated systems for several optical applications. <i>Tetrahedron</i> , 2008, 64, 9230-9238.	1.9	83
6	2-Arylthienyl-Substituted 1,3-Benzothiazoles as New Nonlinear Optical Chromophores. <i>European Journal of Organic Chemistry</i> , 2006, 2006, 3938-3946.	2.4	75
7	Synthesis and evaluation of thiosemicarbazones functionalized with furyl moieties as new chemosensors for anion recognition. <i>Organic and Biomolecular Chemistry</i> , 2012, 10, 7418.	2.8	52
8	Imidazoanthraquinone Derivatives for the Chromofluorogenic Sensing of Basic Anions and Trivalent Metal Cations. <i>Journal of Organic Chemistry</i> , 2014, 79, 10752-10761.	3.2	52
9	Triphenylamine-Benzimidazole Derivatives: Synthesis, Excited-State Characterization, and DFT Studies. <i>Journal of Organic Chemistry</i> , 2013, 78, 11389-11395.	3.2	48
10	Synthesis and optical properties of novel, thermally stable phenanthrolines bearing an arylthienyl-imidazo conjugation pathway. <i>Dyes and Pigments</i> , 2009, 80, 329-336.	3.7	45
11	Naphthyl-imidazo-anthraquinones as novel colorimetric and fluorimetric chemosensors for ion sensing. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2013, 259, 33-40.	3.9	43
12	Selective colorimetric and fluorimetric detection of cyanide in aqueous solution using novel heterocyclic imidazo-anthraquinones. <i>Sensors and Actuators B: Chemical</i> , 2014, 191, 791-799.	7.8	41
13	Synthesis and photophysical characterization of new fluorescent bis-amino acids bearing a heterocyclic bridge containing benzoxazole and thiophene. <i>Tetrahedron</i> , 2008, 64, 9733-9737.	1.9	37
14	Spectral and Photophysical Characterization of Donor-Acceptor Arylthienyl- and Bithienyl-Benzothiazole Derivatives in Solution and Solid State. <i>Journal of Physical Chemistry A</i> , 2007, 111, 8574-8578.	2.5	34
15	Exploring the Emissive Properties of New Azacrown Compounds Bearing Aryl, Furyl, or Thienyl Moieties: A Special Case of Chelation Enhancement of Fluorescence upon Interaction with Ca^{2+} , Cu^{2+} , or Ni^{2+} . <i>Inorganic Chemistry</i> , 2010, 49, 10847-10857.	4.0	34
16	Synthesis and evaluation of fluorimetric and colorimetric chemosensors for anions based on (oligo)thienyl-thiosemicarbazones. <i>Tetrahedron</i> , 2012, 68, 7179-7186.	1.9	34
17	Cyanide and fluoride colorimetric sensing by novel imidazo-anthraquinones functionalised with indole and carbazole. <i>Supramolecular Chemistry</i> , 2014, 26, 71-80.	1.2	34
18	The influence of the relative position of the thiophene and pyrrole rings in donor-acceptor thienylpyrrolyl-benzothiazole derivatives. A photophysical and theoretical investigation. <i>Physical Chemistry Chemical Physics</i> , 2010, 12, 9719.	2.8	31

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19	Imidazo-benzo-15-crown-5 ethers bearing arylthienyl and bithienyl moieties as novel fluorescent chemosensors for Pd ²⁺ and Cu ²⁺ . <i>Tetrahedron</i> , 2011, 67, 7106-7113.	1.9	29
20	Synthesis and evaluation of bipendant-armed (oligo)thiophene crown ether derivatives as new chemical sensors. <i>Tetrahedron Letters</i> , 2008, 49, 6575-6578.	1.4	28
21	Synthesis and evaluation of new thienyl and bithienyl bis(indolyl)methanes as colorimetric sensors for anions. <i>Journal of Physical Organic Chemistry</i> , 2009, 22, 362-366.	1.9	28
22	Synthesis and Characterization of the Ground and Excited States of Tripodal-like Oligothiophenyl-imidazoles. <i>Journal of Physical Chemistry B</i> , 2010, 114, 4964-4972.	2.6	27
23	Highly efficient heterogeneous catalysts for phenol oxidation: Binuclear pyrrolyl-azine metal complexes encapsulated in NaY zeolite. <i>Microporous and Mesoporous Materials</i> , 2016, 227, 272-280.	4.4	27
24	Self-assembly of dipeptide Boc-diphenylalanine nanotubes inside electrospun polymeric fibers with strong piezoelectric response. <i>Nanoscale Advances</i> , 2019, 1, 4339-4346.	4.6	24
25	Synthesis and solvatochromism studies of novel bis(indolyl)methanes bearing functionalized arylthiophene groups as new colored materials. <i>Photochemical and Photobiological Sciences</i> , 2014, 13, 492-498.	2.9	23
26	Synthesis and evaluation of arylfuryl-bis(indolyl)methanes as selective chromogenic and fluorogenic ratiometric receptors for mercury ion in aqueous solution. <i>Dyes and Pigments</i> , 2014, 102, 293-300.	3.7	21
27	Novel functionalised imidazo-benzocrown ethers bearing a thiophene spacer as fluorimetric chemosensors for metal ion detection. <i>Dyes and Pigments</i> , 2016, 135, 134-142.	3.7	21
28	A dual channel sulphur-containing a macrocycle functionalised BODIPY probe for the detection of Hg(II) in a mixed aqueous solution. <i>New Journal of Chemistry</i> , 2018, 42, 7863-7868.	2.8	21
29	Synthesis, characterization, photophysical studies and interaction with DNA of a new family of Ru(II) furyl- and thienyl-imidazo-phenanthroline polypyridyl complexes. <i>Inorganica Chimica Acta</i> , 2012, 381, 95-103.	2.4	20
30	Novel optical chemosensors for anions and cations based on an amino acid core functionalised with benzimidazoles. <i>Tetrahedron</i> , 2012, 68, 7322-7330.	1.9	16
31	Synthesis and evaluation of the chromo-fluorogenic recognition ability of imidazoquinoline derivatives toward ions. <i>Dyes and Pigments</i> , 2015, 122, 50-58.	3.7	12
32	Anisotropic PCL nanofibers embedded with nonlinear nanocrystals as strong generators of polarized second harmonic light and piezoelectric currents. <i>Nanoscale Advances</i> , 2020, 2, 1206-1213.	4.6	11
33	Self-assembling of Boc-p-nitro-L-phenylalanyl-p-nitro-L-phenylalanine and Boc-L-phenylalanyl-L-tyrosine in solution and into piezoelectric electrospun fibers. <i>Materials Advances</i> , 0, , .	5.4	11
34	(Oligo)thienyl-imidazo-benzocrown ether derivatives: Synthesis, photophysical studies and evaluation of their chemosensory properties. <i>Talanta</i> , 2011, 85, 2470-2478.	5.5	8
35	Ferroelectric nanofibers with an embedded optically nonlinear benzothiazole derivative. <i>Journal of Nanoparticle Research</i> , 2014, 16, 1.	1.9	7
36	Electrospun fibers with highly polarized second harmonic light from 2-amino-4-nitroaniline and 3-nitroaniline nanocrystals embedded in poly-L-lactic acid polymer. <i>Optical Materials</i> , 2021, 116, 111089.	3.6	6

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37	Synthesis and Characterization of New Push-Pull Anthraquinones Bearing an Arylthienyl-Imidazo Conjugation Pathway as Efficient Nonlinear Optical Chromophores. Materials Science Forum, 2010, 636-637, 387-391.	0.3	5
38	Binuclear furanyl-azine metal complexes encapsulated in NaY zeolite as efficiently heterogeneous catalysts for phenol hydroxylation. Journal of Molecular Structure, 2020, 1206, 127687.	3.6	5
39	Functionalized magnetic composite nano/microfibres with highly oriented van der Waals CrI ₃ inclusions by electrospinning. Nanotechnology, 2021, 32, 145703.	2.6	4
40	Synthesis and characterization of novel push-pull thiophene and thienylpyrrole derivatives functionalized with indanonedicyanovinyl acceptor moiety as efficient NLO-chromophores. Proceedings of SPIE, 2011, , .	0.8	1
41	Arylthienyl-vinyl-benzothiazoles as Efficient Second Harmonic Generators (SHG) for Nonlinear Optics. Proceedings (mdpi), 2018, 9, .	0.2	1
42	Synthesis and Characterization of Novel Donor-Acceptor Oligothiophenes as Efficient and Thermally Stable Second-Order Nonlinear Optical Chromophores. Materials Science Forum, 2010, 636-637, 380-386.	0.3	0
43	Iodine-catalysed synthesis of a novel meso-substituted dipyrromethane and its evaluation as a cation chemosensor. , 0, , .		0
44	Synthesis and photophysical characterization of novel tri-(hetero)arylimidazoles. , 0, , .		0
45	Synthesis and evaluation of an imidazo-benzocrown ether functionalised amino acid as a new fluorimetric chemosensor for metal ion detection. , 0, , .		0
46	Synthesis and characterization of novel 4H-pyran-4-ylidene indole-based heterocyclic systems for several optical applications. , 0, , .		0
47	Novel bithienyl-benzimidazoles: one-pot synthesis and optical and solvatochromic studies. , 0, , .		0
48	New thienylpyrrolyl-cyanoacetic acid derivatives: synthesis and evaluation of the optical and solvatochromic properties. , 0, , .		0