

# Ana Silva

## List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

67

papers

1,368

citations

24

h-index

33

g-index

76

ext. papers

1,557

ext. citations

3.7

avg, IF

4.01

L-index

#	Paper	IF	Citations
67	Reversible Protonation of Porphyrinic Metal-Organic Frameworks Embedded in Nanoporous Polydimethylsiloxane for Colorimetric Sensing. <i>Advanced Materials Interfaces</i> , <b>2021</b> , 8, 2001759	4.6	4
66	Multidimensional Ln-Aminophthalate Photoluminescent Coordination Polymers. <i>Materials</i> , <b>2021</b> , 14,	3.5	1
65	Synthesis, characterization, and cellular investigations of porphyrin- and chlorin-indomethacin conjugates for photodynamic therapy of cancer. <i>Organic and Biomolecular Chemistry</i> , <b>2021</b> , 19, 6501-6512	3.9	3
64	Divergent Adsorption-Dependent Luminescence of Amino-Functionalized Lanthanide Metal-Organic Frameworks for Highly Sensitive NO Sensors. <i>Journal of Physical Chemistry Letters</i> , <b>2020</b> , 11, 3362-3368	6.4	27
63	From Discrete Complexes to Metal-Organic Layered Materials: Remarkable Hydrogen Bonding Frameworks. <i>Molecules</i> , <b>2020</b> , 25,	4.8	2
62	A lanthanide MOF immobilized in PMMA transparent films as a selective fluorescence sensor for nitroaromatic explosive vapours. <i>Journal of Materials Chemistry C</i> , <b>2020</b> , 8, 3626-3630	7.1	22
61	Luminescent MOF crystals embedded in PMMA/PDMS transparent films as effective NO <sub>2</sub> gas sensors. <i>Molecular Systems Design and Engineering</i> , <b>2020</b> , 5, 1048-1056	4.6	12
60	New hydrophilic 3-hydroxy-4-pyridinone chelators with ether-derived substituents: Synthesis and evaluation of analytical performance in the determination of iron in waters. <i>Polyhedron</i> , <b>2019</b> , 160, 145-156	2.7	7
59	Antibacterial activity of naphthyl derived bis-(3-hydroxy-4-pyridinonate) copper(II) complexes against multidrug-resistant bacteria. <i>Journal of Inorganic Biochemistry</i> , <b>2019</b> , 197, 110704	4.2	12
58	Synthesis of Pyridyl and N-Methylpyridinium Analogues of Rosamines: Relevance of Solvent and Charge on Their Photophysical Properties. <i>Chemistry - A European Journal</i> , <b>2019</b> , 25, 15073-15082	4.8	4
57	(Aminophenyl)porphyrins as precursors for the synthesis of porphyrin-modified siloxanes. <i>Journal of Porphyrins and Phthalocyanines</i> , <b>2019</b> , 23, 1001-1012	1.8	
56	Subppm Amine Detection via Absorption and Luminescence Turn-On Caused by Ligand Exchange in Metal Organic Frameworks. <i>Analytical Chemistry</i> , <b>2019</b> , 91, 15853-15859	7.8	20
55	Synthesis and coordination studies of 5-(4-carboxyphenyl)-10,15,20-tris(pentafluorophenyl)porphyrin and its pyrrolidine-fused chlorin derivative. <i>New Journal of Chemistry</i> , <b>2018</b> , 42, 8169-8179	3.6	7
54	Fluorescent Rosamine/TiO <sub>2</sub> Composite Films for the Optical Detection of NO <sub>2</sub> . <i>Journal of Sensors</i> , <b>2018</b> , 2018, 1-7	2	2
53	Synthesis and characterization of two fluorescent isophthalate rosamines: From solution to immobilization in solid substrates. <i>Dyes and Pigments</i> , <b>2018</b> , 157, 405-414	4.6	3
52	New fluorescent rosamine chelator showing promising antibacterial activity against Gram-positive bacteria. <i>Bioorganic Chemistry</i> , <b>2018</b> , 79, 341-349	5.1	6
51	1,3-Dipolar cycloadditions with meso-tetraarylchlorins: Site selectivity and mixed bisadducts. <i>Organic Chemistry Frontiers</i> , <b>2017</b> , 4, 534-544	5.2	10

50	Preparation of Luminescent Metal-Organic Framework Films by Soft-Imprinting for 2,4-Dinitrotoluene Sensing. <i>Materials</i> , <b>2017</b> , 10,	3.5	21
49	Preparation and Optimization of Fluorescent Thin Films of Rosamine-SiO <sub>2</sub> /TiO <sub>2</sub> Composites for NO <sub>2</sub> Sensing. <i>Materials</i> , <b>2017</b> , 10,	3.5	7
48	Design of a Water Soluble Fluorescent 3-Hydroxy-4-Pyridinone Ligand Active at Physiological pH Values. <i>Journal of Fluorescence</i> , <b>2016</b> , 26, 1773-85	2.4	2
47	Reactivity of tetrapyrrolyl nitrones towards dipolarophiles bearing electron-withdrawing groups. <i>Tetrahedron Letters</i> , <b>2015</b> , 56, 2878-2881	2	5
46	Synthesis and spectroscopic characterization of a new tripodal hexadentate iron chelator incorporating catechol units. <i>Polyhedron</i> , <b>2015</b> , 87, 1-7	2.7	6
45	The Influence of the Amide Linkage in the Fe(III) -Binding Properties of Catechol-Modified Rosamine Derivatives. <i>Chemistry - A European Journal</i> , <b>2015</b> , 21, 15692-704	4.8	6
44	Synthesis of (E)-2-Styrylchromones and Flavones by Base-Catalyzed Cyclodehydration of the Appropriate $\beta$ -Diketones Using Water as Solvent. <i>Molecules</i> , <b>2015</b> , 20, 11418-31	4.8	13
43	Isoxazolidine-fused meso-tetraarylchlorins as key tools for the synthesis of mono- and bis-annulated chlorins. <i>Organic and Biomolecular Chemistry</i> , <b>2015</b> , 13, 7131-5	3.9	20
42	Ohmic Heating-Assisted Synthesis of 3-Arylquinolin-4(1H)-ones by a Reusable and Ligand-Free Suzuki-Miyaura Reaction in Water. <i>Journal of Organic Chemistry</i> , <b>2015</b> , 80, 6649-59	4.2	22
41	An efficient eco-sustainable oxidative desulfurization process using $\beta$ -exo-bridged Fe(III) complex of meso-tetrakis(pentafluorophenyl)porphyrin. <i>Applied Catalysis A: General</i> , <b>2014</b> , 478, 267-274	5.1	24
40	Characterization of a $\beta$ -exo-bridged diiron porphyrin by ESI-LTQ-Orbitrap-MS. <i>Journal of Mass Spectrometry</i> , <b>2014</b> , 49, 763-5	2.2	3
39	Tuning the limits of pH interference of a rhodamine ion sensor by introducing catechol and 3-hydroxy-4-pyridinone chelating units. <i>Dyes and Pigments</i> , <b>2014</b> , 110, 193-202	4.6	9
38	$\beta$ -Functionalized zinc(II)aminoporphyrins by direct catalytic hydrogenation. <i>Tetrahedron Letters</i> , <b>2013</b> , 54, 110-113	2	10
37	Discrimination of fluorescence light-up effects induced by pH and metal ion chelation on a spirocyclic derivative of rhodamine B. <i>Dalton Transactions</i> , <b>2013</b> , 42, 6110-8	4.3	24
36	Ohmic heating as a new efficient process for organic synthesis in water. <i>Green Chemistry</i> , <b>2013</b> , 15, 970	10	30
35	Rhodamine labeling of 3-hydroxy-4-pyridinone iron chelators is an important contribution to target <i>Mycobacterium avium</i> infection. <i>Journal of Inorganic Biochemistry</i> , <b>2013</b> , 121, 156-66	4.2	29
34	Design of a water soluble 1,8-naphthalimide/3-hydroxy-4-pyridinone conjugate: Investigation of its spectroscopic properties at variable pH and in the presence of Fe <sup>3+</sup> , Cu <sup>2+</sup> and Zn <sup>2+</sup> . <i>Dyes and Pigments</i> , <b>2013</b> , 98, 201-211	4.6	16
33	A novel fluorescein-based dye containing a catechol chelating unit to sense iron(III). <i>Dyes and Pigments</i> , <b>2012</b> , 93, 1447-1455	4.6	43

- 32 Microwave-Assisted Synthesis and Spectroscopic Properties of 4?-Substituted Rosamine Fluorophores and Naphthyl Analogues. *European Journal of Organic Chemistry*, **2012**, 2012, 5810-5817 3.2 27
- 31 Use of a porphyrin platform and 3,4-HPO chelating units to synthesize ligands with N4 and O4 coordination sites. *Tetrahedron*, **2011**, 67, 7821-7828 2.4 9
- 30 Investigation of the insulin-like properties of zinc(II) complexes of 3-hydroxy-4-pyridinones: identification of a compound with glucose lowering effect in STZ-induced type I diabetic animals. *Journal of Inorganic Biochemistry*, **2011**, 105, 1675-82 4.2 28
- 29 Novel tetradentate chelators derived from 3-hydroxy-4-pyridinone units: synthesis, characterization and aqueous solution properties. *Tetrahedron*, **2011**, 67, 4009-4016 2.4 15
- 28 Microwave-assisted synthesis of 3-hydroxy-4-pyridinone/naphthalene conjugates. Structural characterization and selection of a fluorescent ion sensor. *Tetrahedron*, **2010**, 66, 8544-8550 2.4 23
- 27 Microwave-Enhanced Synthesis of Novel Pyridinone-Fused Porphyrins. *Synlett*, **2009**, 2009, 1009-1013 2.2 3
- 26 Photophysical properties of a photocytotoxic fluorinated chlorin conjugated to four beta-cyclodextrins. *Photochemical and Photobiological Sciences*, **2008**, 7, 834-43 4.2 26
- 25 Chemical Transformations of Mono- and Bis(buta-1,3-dien-1-yl)porphyrins: A New Synthetic Approach to Mono- and Dibenzoporphyrins. *European Journal of Organic Chemistry*, **2008**, 2008, 704-712<sup>3,2</sup> 29
- 24 Mechanistic insights on the site selectivity in successive 1,3-dipolar cycloadditions to meso-tetraarylporphyrins. *Tetrahedron*, **2008**, 64, 7937-7943 2.4 24
- 23 Efficient electron transfer in  $\beta$ -substituted porphyrin-C60 dyads connected through a p-phenylenevinylene dimer. *Tetrahedron*, **2008**, 64, 11404-11408 2.4 27
- 22 [1,2,3]Triazolo[4,5-b]porphyrins: new building blocks for porphyrinic materials. *Angewandte Chemie - International Edition*, **2006**, 45, 5487-91 16.4 42
- 21 Diels-Alder Reactions of 2?-Hydroxychalcones with ortho-Benzoquino-dimethane: A New Synthesis of 3-Aryl-2-naphthyl 2-Hydroxyphenyl Ketones. *European Journal of Organic Chemistry*, **2006**, 2006, 2558-2569<sup>3,2</sup> 17
- 20 Porphyrins in 1,3-dipolar cycloaddition reactions. Synthesis of new porphyrin-chlorin and porphyrin-tetraazachlorin dyads. *Journal of Organic Chemistry*, **2006**, 71, 8352-6 4.2 46
- 19 Porphyrin dimers. *Tetrahedron Letters*, **2006**, 47, 8171-8174 2 45
- 18 1,3-dipolar cycloaddition reactions of porphyrins with azomethine ylides. *Journal of Organic Chemistry*, **2005**, 70, 2306-14 4.2 98
- 17 Novel Mn(III)chlorins as versatile catalysts for oxyfunctionalisation of hydrocarbons under homogeneous conditions. *Journal of Molecular Catalysis A*, **2005**, 239, 138-143 35
- 16 Porphyrins in Diels-Alder reactions. Improvements on the synthesis of barrelene-fused chlorins using microwave irradiation. *Tetrahedron Letters*, **2005**, 46, 4723-4726 2 36
- 15 Porphyrins in 1,3-Dipolar Cycloadditions with Sugar Azomethine Ylides. Synthesis of Pyrrolidinoporphyrin Glycoconjugates. *Synlett*, **2005**, 2005, 0857-0859 2.2 2

14	A novel chlorin derivative of Meso-tris(pentafluorophenyl)-4-pyridylporphyrin: synthesis, photophysics and photochemical properties. <i>Journal of the Brazilian Chemical Society</i> , <b>2004</b> , 15, 923-930	1.5	19
13	Novel Diels-Alder and Thermal [4+4] Cycloadditions of Corroles. <i>Synlett</i> , <b>2004</b> , 2004, 1291-1293	2.2	2
12	Cycloreversion and other gas-phase reactions of neutral and cationic pyrrolidine-fused chlorins and isobacteriochlorins under ion bombardment and electrospray. <i>Rapid Communications in Mass Spectrometry</i> , <b>2004</b> , 18, 2601-11	2.2	15
11	Porphyrins in 1,3-dipolar cycloaddition reactions with sugar nitrones. Synthesis of glycoconjugated isoxazolidine-fused chlorins and bacteriochlorins. <i>Tetrahedron Letters</i> , <b>2002</b> , 43, 603-605	2	66
10	Porphyrins in 1,3-Dipolar Cycloaddition Reactions: Synthesis of a Novel Pyrazoline-fused Chlorin and a Pyrazole-fused Porphyrin. <i>Synlett</i> , <b>2002</b> , 2002, 1155-1157	2.2	37
9	Synthesis of new beta-substituted meso-tetraphenylporphyrins via 1,3-dipolar cycloaddition reactions. 1. <i>Journal of Organic Chemistry</i> , <b>2002</b> , 67, 726-32	4.2	54
8	NMR characterisation of five isomeric $\beta$ -diacetyl-meso-tetraphenylporphyrins. <i>Journal of the Chemical Society, Perkin Transactions 1</i> , <b>2002</b> , 1774-1777		20
7	A novel approach to the synthesis of mono- and dipyrroloporphyrins. <i>Journal of the Chemical Society, Perkin Transactions 1</i> , <b>2001</b> , 2752-2753		19
6	Synthesis of new tetrapyrrolic derivatives Porphyrins as dienophiles or dipolarophiles. <i>Journal of Porphyrins and Phthalocyanines</i> , <b>2000</b> , 04, 532-537	1.8	25
5	Porphyrin derivatives: Synthesis and potential applications. <i>Journal of Heterocyclic Chemistry</i> , <b>2000</b> , 37, 527-534	1.9	17
4	Novel barrelene-fused chlorins by Diels-Alder reactions. <i>Tetrahedron Letters</i> , <b>2000</b> , 41, 3065-3068	2	40
3	New Syntheses of Flavones from Diels-Alder Reactions of 2-Styrylchromones with ortho-Benzoquinodimethanes. <i>European Journal of Organic Chemistry</i> , <b>1999</b> , 1999, 135-139	3.2	16
2	meso-Tetraarylporphyrins as dipolarophiles in 1,3-dipolar cycloaddition reactions. <i>Chemical Communications</i> , <b>1999</b> , 1767-1768	5.8	72
1	CHLOROSULFONATION OF FLAVONES. <i>Phosphorus, Sulfur and Silicon and the Related Elements</i> , <b>1998</b> , 140, 113-124	1	2