

# Carlos J Pereira Monteiro

## List of Publications by Year in descending order

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Version: 2024-02-01

25  
papers

911  
citations

567144

15  
h-index

610775

24  
g-index

29  
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29  
docs citations

29  
times ranked

1024  
citing authors

#	ARTICLE	IF	CITATIONS
1	Mechanisms of Singlet Oxygen and Superoxide Ion Generation by Porphyrins and Bacteriochlorins and their Implications in Photodynamic Therapy. <i>Chemistry - A European Journal</i> , 2010, 16, 9273-9286.	1.7	156
2	New Halogenated Water-Soluble Chlorin and Bacteriochlorin as Photostable PDT Sensitizers: Synthesis, Spectroscopy, Photophysics, and in-vitro Photosensitizing Efficacy. <i>ChemMedChem</i> , 2010, 5, 1770-1780.	1.6	98
3	Synthesis and photophysical characterization of a library of photostable halogenated bacteriochlorins: an access to near infrared chemistry. <i>Tetrahedron</i> , 2010, 66, 9545-9551.	1.0	83
4	Synthesis, Photophysical Studies and Anticancer Activity of a New Halogenated Water-Soluble Porphyrin. <i>Photochemistry and Photobiology</i> , 2007, 83, 897-903.	1.3	73
5	A comparative study of water soluble 5,10,15,20-tetrakis(2,6-dichloro-3-sulfophenyl)porphyrin and its metal complexes as efficient sensitizers for photodegradation of phenols. <i>Photochemical and Photobiological Sciences</i> , 2005, 4, 617.	1.6	72
6	An insight into solvent-free diimide porphyrin reduction: a versatile approach for meso-aryl hydroporphyrin synthesis. <i>Green Chemistry</i> , 2012, 14, 1666.	4.6	50
7	Tissue Uptake Study and Photodynamic Therapy of Melanoma-Bearing Mice with a Nontoxic, Effective Chlorin. <i>ChemMedChem</i> , 2011, 6, 1715-1726.	1.6	47
8	The challenging combination of intense fluorescence and high singlet oxygen quantum yield in photostable chlorins – a contribution to theranostics. <i>Photochemical and Photobiological Sciences</i> , 2013, 12, 1187-1192.	1.6	46
9	Synthesis of amphiphilic sulfonamide halogenated porphyrins: MALDI-TOFMS characterization and evaluation of 1-octanol/water partition coefficients. <i>Tetrahedron</i> , 2008, 64, 5132-5138.	1.0	45
10	Synthesis and photophysical properties of amphiphilic halogenated bacteriochlorins: new opportunities for photodynamic therapy of cancer. <i>Journal of Porphyrins and Phthalocyanines</i> , 2009, 13, 567-573.	0.4	40
11	On the singlet states of porphyrins, chlorins and bacteriochlorins and their ability to harvest red/infrared light. <i>Photochemical and Photobiological Sciences</i> , 2012, 11, 1233-1238.	1.6	32
12	Energy transfer from fluorene-based conjugated polyelectrolytes to on-chain and self-assembled porphyrin units. <i>Journal of Polymer Science Part A</i> , 2012, 50, 1408-1417.	2.5	30
13	Photoacoustic Measurement of Electron Injection Efficiencies and Energies from Excited Sensitizer Dyes into Nanocrystalline TiO <sub>2</sub> Films. <i>Journal of the American Chemical Society</i> , 2008, 130, 8876-8877.	6.6	28
14	Influence of halogen atoms and protonation on the photophysical properties of sulfonated porphyrins. <i>Chemical Physics Letters</i> , 2015, 633, 146-151.	1.2	25
15	Metallophthalocyanines as Catalysts in Aerobic Oxidation. <i>Catalysts</i> , 2021, 11, 122.	1.6	19
16	Rhodium-Catalysed Tandem Hydroformylation/Arylation Reaction with Boronic Acids. <i>Advanced Synthesis and Catalysis</i> , 2014, 356, 1223-1228.	2.1	12
17	Interactions between cationic surfactants and 5,10,15,20-tetrakis(4-sulfonatophenyl)porphyrin tetrasodium salt as seen by electric conductometry and spectroscopic techniques. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2015, 481, 288-296.	2.3	9
18	Control of the distance between porphyrin sensitizers and the TiO <sub>2</sub> surface in solar cells by designed anchoring groups. <i>Journal of Molecular Structure</i> , 2019, 1196, 444-454.	1.8	9

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19	Synthesis of chlorins and bacteriochlorins from cycloaddition reactions with porphyrins. <i>Arkivoc</i> , 2023, 2022, 54-98.	0.3	9
20	Photophysical properties of unsymmetric meso-substituted porphyrins synthesized via the Suzuki coupling reaction. <i>Tetrahedron</i> , 2012, 68, 8783-8788.	1.0	8
21	Hydroaminomethylation reaction as powerful tool for preparation of rhodium/phosphine-functionalized nanomaterials. Catalytic evaluation in styrene hydroformylation. <i>Catalysis Today</i> , 2020, 356, 456-463.	2.2	6
22	( <i>S</i> )-BINOL Immobilized onto Multiwalled Carbon Nanotubes through Covalent Linkage: A New Approach for Hybrid Nanomaterials Characterization. <i>ChemNanoMat</i> , 2015, 1, 178-187.	1.5	5
23	Solid state investigation of BINOL and BINOL derivatives: A contribution to enantioselective symmetry breaking by crystallization. <i>Thermochimica Acta</i> , 2017, 648, 32-43.	1.2	5
24	Separation and atropisomer isolation of <i>ortho</i> -halogenated tetraarylporphyrins by HPLC: Full characterization using 1D and 2D NMR. <i>Journal of Porphyrins and Phthalocyanines</i> , 2012, 16, 316-323.	0.4	4
25	Excited State Absorption Study in Sulfonated-Halogenated Porphyrins. , 2010, , .		0