Marta Pineiro

List of Publications by Year
in descending order

108 papers	1,952 citations	331538 21 h-index	276775 41 g-index
116 all docs	116 docs citations	116 times ranked	2394 citing authors

#	Article	IF	Citations
1	Photoacoustic Measurements of Porphyrin Triplet-State Quantum Yields and Singlet-Oxygen Efficiencies. Chemistry - A European Journal, 1998, 4, 2299-2307.	1.7	237
2	Heavy-atom effects on metalloporphyrins and polyhalogenated porphyrins. Chemical Physics, 2002, 280, 177-190.	0.9	170
3	Singlet oxygen quantum yields from halogenated chlorins: potential new photodynamic therapy agents. Journal of Photochemistry and Photobiology A: Chemistry, 2001, 138, 147-157.	2.0	80
4	Microwaveâ€Assisted 1,3â€Dipolar Cycloaddition: an Ecoâ€Friendly Approach to Fiveâ€Membered Heterocycles. European Journal of Organic Chemistry, 2009, 2009, 5287-5307.	1.2	80
5	The application of isatin-based multicomponent-reactions in the quest for new bioactive and druglike molecules. European Journal of Medicinal Chemistry, 2021, 211, 113102.	2.6	72
6	New Halogenated Phenylbacteriochlorins and Their Efficiency in Singlet-Oxygen Sensitization. Journal of Physical Chemistry A, 2002, 106, 3787-3795.	1.1	71
7	Microwave-assisted synthesis of porphyrins and metalloporphyrins: a rapid and efficient synthetic method. Journal of Porphyrins and Phthalocyanines, 2007, 11, 77-84.	0.4	66
8	Photoacid for Extremely Long-Lived and Reversible pH-Jumps. Journal of the American Chemical Society, 2009, 131, 9456-9462.	6.6	65
9	Halogen atom effect on photophysical and photodynamic characteristics of derivatives of 5,10,15,20-tetrakis(3-hydroxyphenyl)porphyrin. Journal of Photochemistry and Photobiology B: Biology, 2008, 92, 59-65.	1.7	55
10	Novel porphyrins and a chlorin as efficient singlet oxygen photosensitizers for photooxidation of naphthols or phenols to quinones. Perkin Transactions II RSC, 2000, , 2441-2447.	1.1	51
11	Ecofriendly Porphyrin Synthesis by using Water under Microwave Irradiation. ChemSusChem, 2014, 7, 2821-2824.	3.6	44
12	Platinum(II) Ring-Fused Chlorins as Near-Infrared Emitting Oxygen Sensors and Photodynamic Agents. ACS Medicinal Chemistry Letters, 2017, 8, 310-315.	1.3	42
13	Hydrogen Peroxide and Metalloporphyrins in Oxidation Catalysis: Old Dogs with Some New Tricks. ChemCatChem, 2018, 10, 3615-3635.	1.8	42
14	Flow Chemistry: Towards A More Sustainable Heterocyclic Synthesis. European Journal of Organic Chemistry, 2019, 2019, 7188-7217.	1.2	33
15	MnO2 instead of quinones as selective oxidant of tetrapyrrolic macrocycles. Inorganic Chemistry Communication, 2010, 13, 395-398.	1.8	32
16	Synthesis ofmeso-substituted porphyrins using sustainable chemical processes. Journal of Porphyrins and Phthalocyanines, 2016, 20, 45-60.	0.4	32
17	A look at clinical applications and developments of photodynamic therapy. Oncology Reviews, 2008, 2, 235-249.	0.8	29
18	Dual Rhâ€'Ru Catalysts for Reductive Hydroformylation of Olefins to Alcohols. ChemSusChem, 2018, 11, 2310-2314.	3.6	29

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19	Engaging Isatins in Multicomponent Reactions (MCRs) â€“ Easy Access to Structural Diversity. Chemical Record, 2021, 21, 924-1037.	2.9	29
20	In Vitro Photodynamic Activity of 5,15â€bis(3â€Hydroxyphenyl)porphyrin and Its Halogenated Derivatives Against Cancer Cells. Photochemistry and Photobiology, 2010, 86, 206-212.	1.3	28
21	Corroles and Hexaphyrins: Synthesis and Application in Cancer Photodynamic Therapy. Molecules, 2020, 25, 3450.	1.7	26
22	Novel 4,5,6,7-tetrahydropyrazolo[1,5-a]pyridine fused chlorins as very active photodynamic agents for melanoma cells. European Journal of Medicinal Chemistry, 2015, 103, 374-380.	2.6	21
23	A Decade of Indiumâ€Catalyzed Multicomponent Reactions (MCRs). European Journal of Organic Chemistry, 2020, 2020, 5501-5513.	1.2	21
24	2-Bromo-5-hydroxyphenylporphyrins for photodynamic therapy: Photosensitization efficiency, subcellular localization and in vivo studies. Photodiagnosis and Photodynamic Therapy, 2013, 10, 51-61.	1.3	20
25	Microwave irradiation as a sustainable tool for catalytic carbonylation reactions. Inorganica Chimica Acta, 2017, 455, 364-377.	1.2	20
26	Advances on photodynamic therapy of melanoma through novel ring-fused 5,15-diphenylchlorins. European Journal of Medicinal Chemistry, 2018, 146, 395-408.	2.6	20
27	Current Advances in the Synthesis of Valuable Dipyrromethane Scaffolds: Classic and New Methods. Molecules, 2019, 24, 4348.	1.7	19
28	Advanced Mechanochemistry Device for Sustainable Synthetic Processes. ACS Omega, 2020, 5, 10868-10877.	1.6	19
29	Microwave-Assisted Synthesis and Reactivity of Porphyrins. Current Organic Synthesis, 2014, 11, 89-109.	0.7	19
30	Atropisomers of 5,10,15,20-tetrakis(2,6-dichloro-3-sulfamoyl-phenyl)porphyrins. Journal of Porphyrins and Phthalocyanines, 2007, 11, 50-57.	0.4	18
31	Solventless metallation of low melting porphyrins synthesized by the water/microwave method. RSC Advances, 2015, 5, 64902-64910.	1.7	18
32	Functionalization of indole at C-5 or C-7 via palladium-catalysed double carbonylation. A facile synthesis of indole ketocarboxamides and carboxamide dimers. Tetrahedron, 2016, 72, 247-256.	1.0	18
33	Interactions and Supramolecular Organization of Sulfonated Indigo and Thioindigo Dyes in Layered Hydroxide Hosts. Langmuir, 2018, 34, 453-464.	1.6	18
34	A comprehensive spectral, photophysical and electrochemical study of synthetic water-soluble acridones. A new class of pH and polarity sensitive fluorescent probes. Dyes and Pigments, 2019, 166, 203-210.	2.0	17
35	Deep in blue with green chemistry: influence of solvent and chain length on the behaviour of N- and N,Nâ€²- alkyl indigo derivatives. Chemical Science, 2021, 12, 303-313.	3.7	17
36	Thioindigo, and sulfonated thioindigo derivatives as solvent polarity dependent fluorescent on-off systems. Dyes and Pigments, 2018, 158, 259-266.	2.0	16

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37	Ring-Fused Diphenylchlorins as Potent Photosensitizers for Photodynamic Therapy Applications: In Vitro Tumor Cell Biology and in Vivo Chick Embryo Chorioallantoic Membrane Studies. ACS Omega, 2019, 4, 17244-17250.	1.6	16
38	Platinum(II) ring-fused chlorins as efficient theranostic agents: Dyes for tumor-imaging and photodynamic therapy of cancer. European Journal of Medicinal Chemistry, 2020, 200, 112468.	2.6	16
39	Thermodynamic study of the interaction between 5,10,15,20-tetrakis-(N-methyl-4-pyridyl)porphyrin tetraiodine and sodium dodecyl sulfate. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2015, 480, 279-286.	2.3	15
40	Mass Isotopomer Analysis of Nucleosides Isolated from RNA and DNA Using GC/MS. Analytical Chemistry, 2015, 87, 617-623.	3.2	15
41	A new therapeutic proposal for inoperable osteosarcoma: Photodynamic therapy. Photodiagnosis and Photodynamic Therapy, 2018, 21, 79-85.	1.3	14
42	A Green Protocol for Microwave-Assisted Extraction of Volatile Oil Terpenes from Pterodon emarginatus Vogel. (Fabaceae). Molecules, 2018, 23, 651.	1.7	14
43	Ugi Reaction Synthesis of Oxindoleâ€“Lactam Hybrids as Selective Butyrylcholinesterase Inhibitors. ACS Medicinal Chemistry Letters, 2021, 12, 1718-1725.	1.3	13
44	The small stones of Coimbra in the huge tetrapyrrolic chemistry building. Journal of Porphyrins and Phthalocyanines, 2009, 13, 429-445.	0.4	12
45	Highly efficient Rh(I)/tris-binaphthyl monophosphite catalysts for hydroformylation of sterically hindered alkyl olefins. Journal of Molecular Catalysis A, 2016, 416, 73-80.	4.8	12
46	Synthetic porphyrins bearing Î²-propionate chains as photosensitizers for photodynamic therapy. Journal of Porphyrins and Phthalocyanines, 2010, 14, 438-445.	0.4	11
47	Microwave Assisted Reactions of Natural Oils: Transesterification and Hydroformylation/Isomerization as Tools for High Value Compounds. Current Microwave Chemistry, 2015, 2, 53-60.	0.2	11
48	Porphyrin synthesis using mechanochemistry: Sustainability assessment. Journal of Porphyrins and Phthalocyanines, 2019, 23, 889-897.	0.4	11
49	I2/NaH/DMF as oxidant trio for the synthesis of tryptanthrin from indigo or isatin. Dyes and Pigments, 2020, 173, 107935.	2.0	11
50	Sulfonated tryptanthrin anolyte increases performance in pH neutral aqueous redox flow batteries. Communications Chemistry, 2021, 4, .	2.0	11
51	A Review on (Hydro)Porphyrin-Loaded Polymer Micelles: Interesting and Valuable Platforms for Enhanced Cancer Nanotheranostics. Pharmaceutics, 2019, 11, 81.	2.0	10
52	Interactions between cationic surfactants and 5,10,15,20-tetrakis(4-sulfonatophenyl)porphyrin tetrasodium salt as seen by electric conductometry and spectroscopic techniques. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2015, 481, 288-296.	2.3	9
53	Copper(I) complexes of methyl 4-aryl-6-methyl-3,4-dihydropyrimidine-2(1H)-thione-5-carboxylates. Synthesis, characterization and activity in human breast cancer cells. Inorganica Chimica Acta, 2015, 438, 160-167.	1.2	8
54	Molecular analysis of apoptosis pathway after photodynamic therapy in breast cancer: Animal model study. Photodiagnosis and Photodynamic Therapy, 2016, 14, 152-158.	1.3	8

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55	Red-Purple Photochromic Indigos from Green Chemistry: Mono-tBOC or Di-tBOC N-Substituted Indigos Displaying Excited State Proton Transfer or Photoisomerization. Journal of Physical Chemistry B, 2021, 125, 4108-4119.	1.2	8
56	Petasis adducts of tryptanthrin â€“ synthesis, biological activity evaluation and druglikeness assessment. New Journal of Chemistry, 2021, 45, 14633-14649.	1.4	8
57	A long-run study of aging in glass timing RPCs with analysis of the deposited material. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2009, 602, 775-779.	0.7	7
58	On the Microwave-Assisted Synthesis and Oxidation of Biginelli Compounds: Comparative Study of Dihydropyrimidinones and Thiones Oxidation. Current Microwave Chemistry, 2014, 1, 119-134.	0.2	7
59	Tryptanthrin from indigo: Synthesis, excited state deactivation routes and efficient singlet oxygen sensitization. Dyes and Pigments, 2020, 175, 108125.	2.0	7
60	One-Pot Synthetic Approach to Dipyrromethanes and Bis(indolyl)methanes via Nitrosoalkene Chemistry. Journal of Chemical Education, 2021, 98, 2661-2666.	1.1	7
61	The effect of polyaromatic hydrocarbons on the spectral and photophysical properties of diaryl-pyrrole derivatives: an experimental and theoretical study. Physical Chemistry Chemical Physics, 2014, 16, 18319.	1.3	6
62	A novel Pd-catalysed sequential carbonylation/cyclization approach toward bis- N -heterocycles: rationalization by electronic structure calculations. Royal Society Open Science, 2018, 5, 181140.	1.1	6
63	Effect of Eu(III) and Tb(III) chloride on the gelification behavior of poly(sodium acrylate). Journal of Molecular Liquids, 2018, 264, 205-214.	2.3	6
64	Ugi Adducts of Isatin as Promising Antiproliferative Agents with Druglike Properties. Asian Journal of Organic Chemistry, 2021, 10, 3434-3455.	1.3	6
65	Modern Methods for the Sustainable Synthesis of Metalloporphyrins. Molecules, 2021, 26, 6652.	1.7	6
66	Evaluation of a^{99m}Tc-labelledmeso-bisphenylporphyrin as a tumour image agent. Journal of Labelled Compounds and Radiopharmaceuticals, 2014, 57, 141-147.	0.5	5
67	Novel fluorinated ring-fused chlorins as promising PDT agents against melanoma and esophagus cancer. RSC Medicinal Chemistry, 2021, 12, 615-627.	1.7	5
68	The influence of the support on the singlet oxygen quantum yields of porphyrin supported photosensitizers. Arkivoc, 2010, 2010, 51-63.	0.3	5
69	Cromatografia gasosa-espectrometria de massas e derivatizaÃ§Ã£o assistida por micro-ondas na identificaÃ§Ã£o de isÃ´meros de glicose: uma prÃ¡tica para o ensino avanÃ§ado em anÃ¡lise e caracterizaÃ§Ã£o de compostos orgÃ¢nicos. Quimica Nova, 2014, 37, 176-180.	0.3	4
70	â€œGiganticâ€•biatrial myxoma with right heart functional impairment. Echocardiography, 2018, 35, 1060-1062.	0.3	4
71	Mechanochemical in situ generated gas reactant for the solvent-free hydrogenation of porphyrins. Green Chemistry Letters and Reviews, 2021, 14, 339-344.	2.1	4
72	LC-MS-MS method development separation and identification of Alprazolam and degradation products. Arkivoc, 2010, 2010, 128-141.	0.3	4

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73	Tryptanthrin and Its Derivatives in Drug Discovery: Synthetic Insights. Synthesis, 2022, 54, 4235-4245.	1.2	4
74	Two-photon photoacoustic calorimetry and the absolute measurement of molar absorption coefficients of transient species in solutionDedicated to Professor Silvia Braslavsky, to mark her great contribution to photochemistry and photobiology particularly in the field of photothermal methods.. Photochemical and Photobiological Sciences, 2003, 2, 749.	1.6	3
75	Sequential catalytic carbonylation reactions for sustainable synthesis of biologically relevant entities. Journal of Organometallic Chemistry, 2020, 923, 121417.	0.8	3
76	Transport and photophysical studies on porphyrin-containing sulfonated poly(etheretherketone) composite membranes. Materials Today Communications, 2021, 29, 102781.	0.9	3
77	Aggregationâ€Induced Emission Leading to White Light Emission in Diphenylbenzofulvene Derivatives. Chemistry - A European Journal, 2022, 28, .	1.7	3
78	Ring-Fused meso-Tetraarylchlorins as Auspicious PDT Sensitizers: Synthesis, Structural Characterization, Photophysics, and Biological Evaluation. Frontiers in Chemistry, 2022, 10, 873245.	1.8	3
79	Applications of Photodynamic Therapy in Endometrial Diseases. Bioengineering, 2022, 9, 226.	1.6	3
80	SÃntese de fotoprotetores e sua imobilizaÃ§Ã£o em poli(metacrilato de metilo): um projeto integrado de quÃmica orgÃ¢nica, quÃmica de polÃmeros e fotoquÃmica. Quimica Nova, 2010, 33, 1805-1808.	0.3	2
81	Tuning the Behavior of a Hydrotalcite-Supported Sulfonated Bithiophene from Aggregation-Caused Quenching to Efficient Monomer Luminescence. Journal of Physical Chemistry C, 2021, 125, 8294-8303.	1.5	2
82	A look at clinical applications and developments of photodynamic therapy. Oncology Reviews, 2011, 2, 235.	0.8	2
83	1047 Joining ROS Against Cancer â€“ Does Vitamin C Improve Photodynamic Therapy Outcome?. European Journal of Cancer, 2012, 48, S252-S253.	1.3	1
84	Quantification and inhibition of the gas polymerization process in timingRPCs. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2012, 661, S222-S225.	0.7	1
85	Photodynamic therapy in EGFR targeted nanoparticles for lung cancer. European Journal of Cancer, 2016, 61, S144.	1.3	1
86	A water-soluble bithiophene with increased photoluminescence efficiency and metal recognition ability. Dalton Transactions, 2020, 49, 12319-12326.	1.6	1
87	Chapter 3. Sustainable Synthesis of Pharmaceuticals Using Alternative Techniques: Microwave, Sonochemistry and Mechanochemistry. RSC Green Chemistry, 0, , 8-39.	0.0	1
88	Espectroscopias vibracional e electrÃ³nica. , 2005, , .		1
89	State of Research Tracks and Property Protection of Photodynamic Sensitizers and Delivery Methodologies. Recent Patents on Chemical Engineering, 2010, 2, 98-122.	0.5	1
90	Tryptanthrin derivatives as efficient singlet oxygen sensitizers. Photochemical and Photobiological Sciences, 2021, , 1.	1.6	1

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91	Approaches to a broad range of high performance PDT sensitizers. Proceedings of SPIE, 2009, , .	0.8	0
92	Photodynamic therapy on bladder cancer cells: further studies on the performance of Coimbra sensitizers. , 2010, , .		0
93	938 TBr4 and BBr2 as Sensitizers for Photodynamic Therapy Against Human Colorectal Adenocarcinoma â€“ in Vitro Studies. European Journal of Cancer, 2012, 48, S225.	1.3	0
94	939 TBr4 and BBr2 as Sensitizers for Photodynamic Therapy Against Human Colorectal Adenocarcinoma â€“ in Vivo Studies. European Journal of Cancer, 2012, 48, S226.	1.3	0
95	The synthesis of14C-labeled,13CD2-labeled saxagliptin, and its13CD2-labeled 5-hydroxy metabolite. Journal of Labelled Compounds and Radiopharmaceuticals, 2014, 57, 136-140.	0.5	0
96	931: Photodynamic therapy as an option for osteosarcoma. European Journal of Cancer, 2014, 50, S228.	1.3	0
97	810: Photodynamic therapy in non-small cell lung cancer cell line. European Journal of Cancer, 2014, 50, S196.	1.3	0
98	740: Can photodynamic therapy make a difference in retinoblastoma? In vivo studies. European Journal of Cancer, 2014, 50, S177-S178.	1.3	0
99	739: Can photodynamic therapy make a difference in retinoblastoma? In vitro studies. European Journal of Cancer, 2014, 50, S177.	1.3	0
100	Photodynamic therapy in combination with doxorubicin and methotrexate as an option in osteosarcoma. European Journal of Cancer, 2016, 61, S126-S127.	1.3	0
101	Photodynamic therapy combined with acetylsalicylic acid: the mechanisms involved in colon and esophagus cancer cell death. European Journal of Cancer, 2016, 61, S115.	1.3	0
102	The role of reactive oxygen species in photodynamic therapy combined with acetylsalicylic acid in colon and esophagus cancer cells. European Journal of Cancer, 2016, 61, S113-S114.	1.3	0
103	Combination of photodynamic therapy with doxorubicin in osteosarcoma: Cell death and the role of oxidative stress. European Journal of Cancer, 2016, 61, S141.	1.3	0
104	Advances on photodynamic therapy through new pyridine-fused diphenylchlorins as photosensitizers for melanoma treatment. Porto Biomedical Journal, 2017, 2, 227.	0.4	0
105	Porphyrin synthesis using mechanochemistry: Sustainability assessment. , 2021, , 549-557.		0
106	Halogenated porphyrins as PDT sensitizers, something more than the heavy atom effect?. , 2011, , .		0
107	A look at clinical applications and developments of photodynamic therapy. Oncology Reviews, 2011, 2, .	0.8	0
108	Isolation and Identification of Cytotoxic Compounds Present in Biomaterial LifeÂ®. Materials, 2022, 15, 871.	1.3	0