

Edith Antunes

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103
papers

2,553
citations

30
h-index

44
g-index

104
ext. papers

2,743
ext. citations

3.9
avg, IF

5.09
L-index

#	Paper	IF	Citations
103	Pyrrroloiminoquinone and related metabolites from marine sponges. <i>Natural Product Reports</i> , 2005 , 22, 62-72	15.1	149
102	Synthesis of phthalocyanine conjugates with gold nanoparticles and liposomes for photodynamic therapy. <i>Journal of Photochemistry and Photobiology B: Biology</i> , 2012 , 107, 35-44	6.7	105
101	Synthesis and electrochemical properties of purple manganese(III) and red titanium(IV) phthalocyanine complexes octa-substituted at non-peripheral positions with pentylthio groups. <i>Polyhedron</i> , 2007 , 26, 5355-5364	2.7	101
100	Curcuminoids, curcumin, and demethoxycurcumin reduce lead-induced memory deficits in male Wistar rats. <i>Journal of Agricultural and Food Chemistry</i> , 2007 , 55, 1039-44	5.7	89
99	Photocatalysis of 4-nitrophenol using zinc phthalocyanine complexes. <i>Journal of Molecular Catalysis A</i> , 2007 , 261, 36-42		76
98	Photochemical and Photophysical Properties of Metallophthalocyanines. <i>Handbook of Porphyrin Science</i> , 2010 , 247-357	0.3	75
97	Cytotoxic pyrroloiminoquinones from four new species of South African Iatrunculid sponges. <i>Journal of Natural Products</i> , 2004 , 67, 1268-76	4.9	75
96	The identification of the UV degradants of melatonin and their ability to scavenge free radicals. <i>Journal of Pineal Research</i> , 2002 , 32, 257-61	10.4	56
95	Fluorescence quenching and energy transfer in conjugates of quantum dots with zinc and indium tetraamino phthalocyanines. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2010 , 210, 1-7	4.7	52
94	Oxovanadium(IV)-catalysed oxidation of dibenzothiophene and 4,6-dimethyldibenzothiophene. <i>Dalton Transactions</i> , 2012 , 41, 13908-18	4.3	49
93	Characterization and photophysical behavior of phthalocyanines when grafted onto silica nanoparticles. <i>Polyhedron</i> , 2013 , 53, 278-285	2.7	48
92	Photophysical behavior of zinc monoaminophthalocyanines linked to mercaptopropionic acid-capped CdTe quantum dots. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2011 , 220, 11-19	4.7	47
91	Synthesis, photophysics and photochemistry of phthalocyanine-e-polylysine conjugates in the presence of metal nanoparticles against <i>Staphylococcus aureus</i> . <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2012 , 233, 24-33	4.7	45
90	Cyclic voltammetry and spectroelectrochemistry of a novel manganese phthalocyanine substituted with hexynyl groups. <i>Inorganic Chemistry Communication</i> , 2011 , 14, 330-332	3.1	45
89	Enhanced Antimicrobial and Anticancer Activity of Silver and Gold Nanoparticles Synthesised Using <i>Sargassum incisifolium</i> Aqueous Extracts. <i>Molecules</i> , 2016 , 21,	4.8	45
88	Quinones and halogenated monoterpenes of algal origin show anti-proliferative effects against breast cancer cells in vitro. <i>Investigational New Drugs</i> , 2012 , 30, 2187-200	4.3	41
87	Antiplasmodial halogenated monoterpenes from the marine red alga <i>Plocamium cornutum</i> . <i>Phytochemistry</i> , 2009 , 70, 597-600	4	41

86	Identification and in vitro anti-esophageal cancer activity of a series of halogenated monoterpenes isolated from the South African seaweeds <i>Plocamium suhrii</i> and <i>Plocamium cornutum</i> . <i>Phytochemistry</i> , 2011 , 72, 769-72	4	41
85	Adsorption and separation of platinum and palladium by polyamine functionalized polystyrene-based beads and nanofibers. <i>Minerals Engineering</i> , 2013 , 53, 256-265	4.9	40
84	Influence of nanoparticle materials on the photophysical behavior of phthalocyanines. <i>Coordination Chemistry Reviews</i> , 2013 , 257, 2401-2418	23.2	40
83	IMPROVEMENT OF THE PHOTOPHYSICAL PARAMETERS OF ZINC OCTACARBOXY PHTHALOCYANINE UPON CONJUGATION TO MAGNETIC NANOPARTICLES. <i>International Journal of Nanoscience</i> , 2013 , 12, 1350010	0.6	39
82	Synthesis and photophysical studies of phthalocyanine-gold nanoparticle conjugates. <i>Dalton Transactions</i> , 2011 , 40, 11876-84	4.3	39
81	Photooxidation of 4-chlorophenol sensitized by lutetium tetraphenoxy phthalocyanine anchored on electrospun polystyrene polymer fiber. <i>Polyhedron</i> , 2012 , 33, 74-81	2.7	37
80	Synthesis and photophysical studies of CdTe quantum dot-monosubstituted zinc phthalocyanine conjugates. <i>Inorganica Chimica Acta</i> , 2011 , 367, 173-181	2.7	37
79	Photophysical study of a covalently linked quantum dot π w symmetry phthalocyanine conjugate. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2010 , 212, 27-35	4.7	37
78	Optical nonlinearities in non-peripherally substituted pyridyloxy phthalocyanines: a combined effect of symmetry, ring-strain and demetallation. <i>Dalton Transactions</i> , 2014 , 43, 999-1010	4.3	35
77	Characterization and electrocatalytic behaviour of glassy carbon electrode modified with nickel nanoparticles towards amitrole detection. <i>Journal of Electroanalytical Chemistry</i> , 2013 , 700, 86-92	4.1	33
76	Plocoralides A-C, polyhalogenated monoterpenes from the marine alga <i>Plocamium corallorhiza</i> . <i>Phytochemistry</i> , 2005 , 66, 1108-12	4	33
75	Electrochemical behaviour of gold nanoparticles and Co tetraaminophthalocyanine on glassy carbon electrode. <i>Electrochimica Acta</i> , 2014 , 121, 93-101	6.7	31
74	Water-soluble phthalocyanines mediated photodynamic effect on mesothelioma cells. <i>Journal of Porphyrins and Phthalocyanines</i> , 2009 , 13, 681-690	1.8	31
73	Electrospun fibers functionalized with phthalocyanine-gold nanoparticle conjugates for photocatalytic applications. <i>Journal of Molecular Catalysis A</i> , 2013 , 371, 125-134		30
72	The synthesis and fluorescence behaviour of phthalocyanines unsymmetrically substituted with naphthol and carboxy groups. <i>Dyes and Pigments</i> , 2010 , 86, 68-73	4.6	30
71	Assessment of potential anti-cancer stem cell activity of marine algal compounds using an in vitro mammosphere assay. <i>Cancer Cell International</i> , 2013 , 13, 39	6.4	29
70	Microwave synthesis and photophysics of new tetrasulfonated tin(II) macrocycles. <i>Journal of Porphyrins and Phthalocyanines</i> , 2007 , 11, 109-117	1.8	27
69	Physicochemical properties of a zinc phthalocyanine - pyrene conjugate adsorbed onto single walled carbon nanotubes. <i>Dalton Transactions</i> , 2013 , 42, 10769-77	4.3	24

68	Dilemmaones A-C, unusual indole alkaloids from a mixed collection of south african sponges. <i>Journal of Natural Products</i> , 1998 , 61, 699-701	4.9	24
67	Conjugates of platinum nanoparticles with gallium tetra [(4-Carboxyphenyl) porphyrin and their use in photodynamic antimicrobial chemotherapy when in solution or embedded in electrospun fiber. <i>Polyhedron</i> , 2014 , 76, 94-101	2.7	23
66	Axial coordination of zinc and silicon phthalocyanines to silver and gold nanoparticles: an investigation of their photophysical and antimicrobial behavior. <i>Journal of Porphyrins and Phthalocyanines</i> , 2013 , 17, 417-430	1.8	23
65	Physicochemical behavior of zinc tetrakis (benzylmercapto) phthalocyanine when used to functionalize gold nanoparticles and in electrospun fibers. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2012 , 240, 50-58	4.7	23
64	The effect of substituents on the photoinduced energy transfer between CdTe quantum dots and mercapto substituted zinc phthalocyanine derivatives. <i>Dalton Transactions</i> , 2010 , 39, 3460-71	4.3	23
63	Fluorescence studies of quantum dots and zinc tetraamino phthalocyanine conjugates. <i>Inorganic Chemistry Communication</i> , 2009 , 12, 828-831	3.1	23
62	Surface modification of silica-coated gadolinium oxide nanoparticles with zinc tetracarboxyphenoxy phthalocyanine for the photodegradation of Orange G. <i>Journal of Molecular Catalysis A</i> , 2015 , 403, 64-76		22
61	The development of catalytic oxovanadium(IV)-containing microspheres for the oxidation of various organosulfur compounds. <i>Applied Catalysis A: General</i> , 2013 , 462-463, 157-167	5.1	22
60	A study of the photophysical and antimicrobial properties of two zinc phthalocyanine-silver nanoparticle conjugates. <i>New Journal of Chemistry</i> , 2013 , 37, 1216	3.6	22
59	Photodegradation of Orange-G using zinc octacarboxyphthalocyanine supported on Fe ₃ O ₄ nanoparticles. <i>Journal of Molecular Catalysis A</i> , 2013 , 380, 131-138		21
58	Synthesis and photophysical properties of zinc phthalocyanine derivatized with benzothiazole or carbazole photosensitizers. <i>Polyhedron</i> , 2013 , 61, 119-125	2.7	21
57	Photophysical behaviour and antimicrobial properties of monocarboxy Mg (II) and Al (III) phthalocyanine-magnetite conjugates. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2018 , 193, 407-414	4.4	20
56	Nonlinear optical behavior of metal octaphenoxy phthalocyanines: effect of distortion caused by the central metal. <i>Journal of Porphyrins and Phthalocyanines</i> , 2013 , 17, 920-927	1.8	19
55	Comparative behavior of conjugates of tantalum phthalocyanines with gold nanoparticles or single walled carbon nanotubes towards bisphenol A electrocatalysis. <i>Journal of Electroanalytical Chemistry</i> , 2011 , 661, 1-7	4.1	19
54	Probing electrochemical and electrocatalytic properties of cobalt(II) and manganese(III) octakis(hexylthio)phthalocyanine as self-assembled monolayers. <i>Journal of Porphyrins and Phthalocyanines</i> , 2010 , 14, 932-947	1.8	19
53	Synthesis and photophysical behavior of axially substituted phthalocyanine, tetrabenzotriazaporphyrin, and triazatetrabenzcorrole phosphorous complexes. <i>Journal of Porphyrins and Phthalocyanines</i> , 2009 , 13, 153-160	1.8	19
52	Nanoconjugates of CdTe@ZnS quantum dots with cobalt tetraamino-phthalocyanine: Characterization and implications for the fluorescence recognition of superoxide anion. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2013 , 257, 11-19	4.7	18
51	Halogenated monoterpene aldehydes from the South African marine alga <i>Plocamium corallorhiza</i> . <i>Journal of Natural Products</i> , 2007 , 70, 596-9	4.9	18

50	Silica nanoparticles grafted with phthalocyanines: photophysical properties and studies in artificial lysosomal fluid. <i>New Journal of Chemistry</i> , 2013 , 37, 2800	3.6	17
49	Investigation of homogeneous photosensitized oxidation activities of palladium and platinum octasubstituted phthalocyanines: Oxidation of 4-nitrophenol. <i>Journal of Molecular Catalysis A</i> , 2011 , 334, 123-129		17
48	Synthesis and photophysical properties of a novel zinc photosensitizer and its gold nanoparticle conjugate. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2011 , 222, 343-350	4.7	16
47	Encapsulation of Variabilin in Stearic Acid Solid Lipid Nanoparticles Enhances Its Anticancer Activity in Vitro. <i>Molecules</i> , 2020 , 25,	4.8	15
46	Photophysical behaviour of cationic 2-(dimethylamino) ethanethio tetrasubstituted phthalocyanine complexes in the presence of gold nanoparticles. <i>Polyhedron</i> , 2012 , 38, 169-177	2.7	15
45	Physicochemical properties of zinc monoamino phthalocyanine conjugated to folic acid and single walled carbon nanotubes. <i>Polyhedron</i> , 2013 , 60, 59-67	2.7	15
44	Synthesis and photophysicochemical studies of a water soluble conjugate between folic acid and zinc tetraaminophthalocyanine. <i>Journal of Luminescence</i> , 2013 , 134, 784-790	3.8	15
43	Effects of gold nanoparticle shape on the aggregation and fluorescence behaviour of water soluble zinc phthalocyanines. <i>New Journal of Chemistry</i> , 2013 , 37, 1950	3.6	15
42	Oxovanadium(IV)-containing poly(styrene-co-4?-ethenyl-2-hydroxyphenylimidazole) electrospun nanofibers for the catalytic oxidation of thioanisole. <i>Journal of Molecular Catalysis A</i> , 2013 , 379, 94-102		14
41	Fluorescence behavior of glutathione capped CdTe@ZnS quantum dots chemically coordinated to zinc octacarboxy phthalocyanines. <i>Journal of Luminescence</i> , 2013 , 136, 255-264	3.8	14
40	Optical Limiting Analysis of Phthalocyanines in Polymer Thin Films. <i>Journal of Macromolecular Science - Pure and Applied Chemistry</i> , 2013 , 50, 110-120	2.2	14
39	Synthesis and solvent effects on the photophysicochemical properties of novel cadmium phenoxy phthalocyanines. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2008 , 195, 183-190	4.7	14
38	Polyamide nanofiber membranes functionalized with zinc phthalocyanines. <i>Journal of Applied Polymer Science</i> , 2014 , 131, n/a-n/a	2.9	13
37	Photophysicochemical behavior and antimicrobial activity of dihydroxosilicon tris(diaquaplatinum)octacarboxyphthalocyanine. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2014 , 125, 147-53	4.4	13
36	The photophysical and photochemical behaviour of coumarin-derivatized zinc phthalocyanine when conjugated with gold nanoparticles and electrospun into polymer fibers. <i>New Journal of Chemistry</i> , 2013 , 37, 679-689	3.6	13
35	Non-steroidal anti-inflammatory agents, tolmetin and sulindac, inhibit liver tryptophan 2,3-dioxygenase activity and alter brain neurotransmitter levels. <i>Life Sciences</i> , 2006 , 79, 2269-74	6.8	13
34	The synthesis and characterisation of magnetic nanoparticles and their interaction with a zinc phthalocyanine. <i>Inorganic Chemistry Communication</i> , 2013 , 29, 60-64	3.1	12
33	Photocatalytic behaviour of tantalum (V) phthalocyanines in the presence of gold nanoparticles towards the oxidation of cyclohexene. <i>Journal of Molecular Catalysis A</i> , 2011 , 335, 121-128		12

32	Photophysicochemical behavior of carbazole derivatized zinc phthalocyanine in the presence of ZnO microparticles and when embedded in electrospun fibers. <i>Dyes and Pigments</i> , 2014 , 104, 57-66	4.6	11
31	Unquenched fluorescence lifetime for β -phenylthio substituted zinc phthalocyanine upon conjugation to gold nanoparticles. <i>Polyhedron</i> , 2012 , 34, 114-120	2.7	11
30	Antiplasmodial and antimicrobial activities of South African marine algal extracts. <i>Pharmaceutical Biology</i> , 2009 , 47, 408-413	3.8	11
29	The determination of the photosensitizing properties of mercapto substituted phthalocyanine derivatives in the presence of quantum dots capped with mercaptopropionic acid. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2011 , 218, 101-110	4.7	11
28	The development of novel nickel selective amine extractants: 2,2'-Pyridylimidazole functionalised chelating resin. <i>Minerals Engineering</i> , 2013 , 54, 88-93	4.9	10
27	Synthesis and photophysical properties of tetra- and octasubstituted phosphorous oxide triazatetrabenzcorrole photosensitizers. <i>Metal-Based Drugs</i> , 2008 , 2008, 498916		10
26	Synthesis and photophysicochemical properties of novel zinc phthalocyanines mono substituted with carboxyl containing functional groups. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2012 , 250, 18-24	4.7	9
25	Very Green Photosynthesis of Gold Nanoparticles by a Living Aquatic Plant: Photoreduction of Au by the Seaweed <i>Ulva armoricana</i> . <i>Chemistry - A European Journal</i> , 2018 , 24, 1657-1666	4.8	9
24	Photophysical properties of a new water soluble tetra thiamine substituted zinc phthalocyanine conjugated to gold nanorods of different aspect ratios. <i>Dalton Transactions</i> , 2014 , 43, 8230-40	4.3	8
23	Photophysical behavior of Zn aminophenoxy substituted phthalocyanine conjugates with carboxylic acid-coated silica nanoparticles: Effect of point of substitution. <i>Journal of Molecular Structure</i> , 2014 , 1068, 245-254	3.4	8
22	Electrochemical, spectroscopic and microscopic studies of new manganese phthalocyanine complexes in solution and as self-assembled monolayers on gold. <i>Journal of Porphyrins and Phthalocyanines</i> , 2010 , 14, 568-581	1.8	8
21	Glutathione capped CdTe@ZnS quantum dots/zinc tetracarboxy phthalocyanine conjugates: Fluorescence behavior studies in comparison with zinc octacarboxy phthalocyanine. <i>Polyhedron</i> , 2013 , 54, 294-299	2.7	7
20	Melatonin generates singlet oxygen on laser irradiation but acts as a quencher when irradiated by lamp photolysis. <i>Journal of Pineal Research</i> , 2005 , 38, 153-6	10.4	7
19	Synthesis and physicochemical behaviour of aluminium trikis and tetrakis (diaquaplatinum) octacarboxyphthalocynine. <i>Dyes and Pigments</i> , 2012 , 95, 572-579	4.6	5
18	Stability of fly ash-based BEA-zeolite in hot liquid phase. <i>Catalysis Today</i> , 2020 , 357, 416-424	5.3	5
17	Improved photocatalytic degradation of Orange G using hybrid nanofibers. <i>Journal of Nanoparticle Research</i> , 2017 , 19, 1	2.3	4
16	Synthesis and nonlinear optical examination of 3(4),15(16)-Bis-(4-tert-butyl-phenoxy)-10,22-diaminohemporphyrizinato chloroindium. <i>Journal of Molecular Structure</i> , 2013 , 1047, 143-148	3.4	4
15	In Vitro Evaluation of the Phytopharmacological Potential of for the Treatment of Inflammatory Bowel Diseases. <i>Medicines (Basel, Switzerland)</i> , 2019 , 6,	4.1	3

14	Synthesis and characterization of Na(Y,Gd)F ₄ upconversion nanoparticles and an investigation of their effects on the photophysical properties of an unsubstituted tetrathiophenoxy phthalocyanine. <i>Journal of Nanoparticle Research</i> , 2015 , 17, 1	2.3	3
13	Photophysical Properties of Zinc Tetracarboxy Phthalocyanines Conjugated to Magnetic Nanoparticles. <i>Journal of Nanoscience and Nanotechnology</i> , 2015 , 15, 3688-96	1.3	3
12	Photocatalytic transformation of 4-nitrophenol in aqueous media using suspended, water-insoluble metallophthalocyanine complexes. <i>Journal of Coordination Chemistry</i> , 2008 , 61, 3727-3739	1.6	3
11	Plaxenone A and B: Cytotoxic halogenated monoterpenes from the South African red seaweed <i>Plocamium maxillosum</i> . <i>Phytochemistry Letters</i> , 2019 , 29, 182-185	1.9	3
10	A comparative photophysicochemical study of mono substituted phthalocyanines grafted onto silica nanoparticles. <i>Journal of Porphyrins and Phthalocyanines</i> , 2014 , 18, 396-405	1.8	2
9	Synthesis and photophysical behavior of a novel zinc phthalocyanine containing a single carboxylic acid and three phenylthio substituents. <i>Journal of Luminescence</i> , 2012 , 132, 2318-2324	3.8	2
8	The Development of Palladium(II)-Specific Amine-Functionalized Silica-Based Microparticles: Adsorption and Column Separation Studies. <i>Separation Science and Technology</i> , 2015 , 50, 1497-1506	2.5	2
7	Conjugates of Nanomaterials with Phthalocyanines 2012 , 347-423		2
6	Fluorescence Behaviour of an Aluminium Octacarboxy Phthalocyanine--NaYGdF ₄ :Yb/Er Nanoparticle Conjugate. <i>Journal of Fluorescence</i> , 2015 , 25, 489-501	2.4	1
5	The The colourful chemistry of South African latrunculid sponges. <i>South African Journal of Science</i> , 2019 , 115,	1.3	1
4	Synthesis of single-walled carbon nanotubes by the pyrolysis of a compression activated iron(II) phthalocyanine/phthalocyanine metal-free derivative/ferric acetate mixture. <i>Journal of Chemical Sciences</i> , 2015 , 127, 1191-1199	1.8	1
3	The effect of structure on the electrochemical properties of 14 marine pyrroloquinoline metabolites. <i>Journal of Chemical Research</i> , 2005 , 2005, 780-783	0.6	1
2	Synthesis and physicochemical behaviour of aluminium bis and tris(diammine platinum) octacarboxyphthalocyanine. <i>Polyhedron</i> , 2013 , 55, 121-125	2.7	
1	Acyclic halogenated monoterpenes from marine macroalgae: Estimated atmospheric lifetimes, potential degradation products, and their atmospheric impacts. <i>Transactions of the Royal Society of South Africa</i> , 1-16	1	