

Edith Antunes

List of Publications by Year in descending order

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103
papers

2,932
citations

136740

32
h-index

205818

48
g-index

104
all docs

104
docs citations

104
times ranked

3213
citing authors

#	ARTICLE	IF	CITATIONS
1	Pyrrroloiminoquinone and related metabolites from marine sponges. <i>Natural Product Reports</i> , 2005, 22, 62.	5.2	173
2	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.	1.7	119
3	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.	1.0	112
4	Curcuminoids, Curcumin, and Demethoxycurcumin Reduce Lead-Induced Memory Deficits in Male Wistar Rats. <i>Journal of Agricultural and Food Chemistry</i> , 2007, 55, 1039-1044.	2.4	101
5	Cytotoxic Pyrrroloiminoquinones from Four New Species of South African Latrunculid Sponges. <i>Journal of Natural Products</i> , 2004, 67, 1268-1276.	1.5	88
6	Photochemical and Photophysical Properties of Metallophthalocyanines. <i>Handbook of Porphyrin Science</i> , 2010, , 247-357.	0.3	88
7	Photocatalysis of 4-nitrophenol using zinc phthalocyanine complexes. <i>Journal of Molecular Catalysis A</i> , 2007, 261, 36-42.	4.8	84
8	Enhanced Antimicrobial and Anticancer Activity of Silver and Gold Nanoparticles Synthesised Using <i>Sargassum incisifolium</i> Aqueous Extracts. <i>Molecules</i> , 2016, 21, 1633.	1.7	67
9	The identification of the UV degradants of melatonin and their ability to scavenge free radicals. <i>Journal of Pineal Research</i> , 2002, 32, 257-261.	3.4	64
10	Quinones and halogenated monoterpenes of algal origin show anti-proliferative effects against breast cancer cells in vitro. <i>Investigational New Drugs</i> , 2012, 30, 2187-2200.	1.2	55
11	Oxovanadium(iv)-catalysed oxidation of dibenzothiophene and 4,6-dimethyldibenzothiophene. <i>Dalton Transactions</i> , 2012, 41, 13908.	1.6	55
12	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.	2.0	54
13	Influence of nanoparticle materials on the photophysical behavior of phthalocyanines. <i>Coordination Chemistry Reviews</i> , 2013, 257, 2401-2418.	9.5	52
14	Cyclic voltammetry and spectroelectrochemistry of a novel manganese phthalocyanine substituted with hexynyl groups. <i>Inorganic Chemistry Communication</i> , 2011, 14, 330-332.	1.8	51
15	Adsorption and separation of platinum and palladium by polyamine functionalized polystyrene-based beads and nanofibers. <i>Minerals Engineering</i> , 2013, 53, 256-265.	1.8	51
16	Characterization and photophysical behavior of phthalocyanines when grafted onto silica nanoparticles. <i>Polyhedron</i> , 2013, 53, 278-285.	1.0	50
17	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, 769-772.	1.4	49
18	Synthesis, photophysics and photochemistry of phthalocyanine- ϵ -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.	2.0	48

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19	Antiplasmodial halogenated monoterpenes from the marine red alga <i>Plocamium cornutum</i> . <i>Phytochemistry</i> , 2009, 70, 597-600.	1.4	47
20	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.	2.0	47
21	Electrochemical behaviour of gold nanoparticles and Co tetraaminophthalocyanine on glassy carbon electrode. <i>Electrochimica Acta</i> , 2014, 121, 93-101.	2.6	42
22	Synthesis and photophysical studies of phthalocyanine-gold nanoparticle conjugates. <i>Dalton Transactions</i> , 2011, 40, 11876.	1.6	41
23	IMPROVEMENT OF THE PHOTOPHYSICAL PARAMETERS OF ZINC OCTACARBOXY PHTHALOCYANINE UPON CONJUGATION TO MAGNETIC NANOPARTICLES. <i>International Journal of Nanoscience</i> , 2013, 12, 1350010.	0.4	41
24	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.	1.9	40
25	Photophysical study of a covalently linked quantum dot-low symmetry phthalocyanine conjugate. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2010, 212, 27-35.	2.0	38
26	Photooxidation of 4-chlorophenol sensitized by lutetium tetraphenoxy phthalocyanine anchored on electrospun polystyrene polymer fiber. <i>Polyhedron</i> , 2012, 33, 74-81.	1.0	38
27	Synthesis and photophysical studies of CdTe quantum dot-monosubstituted zinc phthalocyanine conjugates. <i>Inorganica Chimica Acta</i> , 2011, 367, 173-181.	1.2	37
28	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.	1.8	36
29	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.	1.6	36
30	Plocoralides A-C, polyhalogenated monoterpenes from the marine alga <i>Plocamium corallorhiza</i> . <i>Phytochemistry</i> , 2005, 66, 1108-1112.	1.4	35
31	Dilemmaones C, Unusual Indole Alkaloids from a Mixed Collection of South African Sponges. <i>Journal of Natural Products</i> , 1998, 61, 699-701.	1.5	34
32	Electrospun fibers functionalized with phthalocyanine-gold nanoparticle conjugates for photocatalytic applications. <i>Journal of Molecular Catalysis A</i> , 2013, 371, 125-134.	4.8	34
33	Water-soluble phthalocyanines mediated photodynamic effect on mesothelioma cells. <i>Journal of Porphyrins and Phthalocyanines</i> , 2009, 13, 681-690.	0.4	33
34	The synthesis and fluorescence behaviour of phthalocyanines unsymmetrically substituted with naphthol and carboxy groups. <i>Dyes and Pigments</i> , 2010, 86, 68-73.	2.0	32
35	Microwave synthesis and photophysics of new tetrasulfonated tin(II) macrocycles. <i>Journal of Porphyrins and Phthalocyanines</i> , 2007, 11, 109-117.	0.4	30
36	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.	1.0	30

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37	Axial coordination of zinc and silicon phthalocyanines to silver and gold nanoparticles: an investigation of their photophysicochemical and antimicrobial behavior. <i>Journal of Porphyrins and Phthalocyanines</i> , 2013, 17, 417-430.	0.4	28
38	A study of the photophysicochemical and antimicrobial properties of two zinc phthalocyanine-silver nanoparticle conjugates. <i>New Journal of Chemistry</i> , 2013, 37, 1216.	1.4	28
39	Synthesis and photophysicochemical properties of zinc phthalocyanine derivatized with benzothiazole or carbazole photosensitizers. <i>Polyhedron</i> , 2013, 61, 119-125.	1.0	27
40	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.	1.6	26
41	Encapsulation of Variabilin in Stearic Acid Solid Lipid Nanoparticles Enhances Its Anticancer Activity in Vitro. <i>Molecules</i> , 2020, 25, 830.	1.7	25
42	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.	4.8	24
43	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.	2.0	24
44	Physicochemical properties of a zinc phthalocyanine-pyrene conjugate adsorbed onto single walled carbon nanotubes. <i>Dalton Transactions</i> , 2013, 42, 10769.	1.6	24
45	Fluorescence studies of quantum dots and zinc tetraamino phthalocyanine conjugates. <i>Inorganic Chemistry Communication</i> , 2009, 12, 828-831.	1.8	23
46	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.	4.8	23
47	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.	2.2	23
48	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.	4.8	23
49	Photophysicochemical 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.	2.0	23
50	Synthesis and photophysical behavior of axially substituted phthalocyanine, tetrabenzotriazaporphyrin, and triazatetrabenzcorrole phosphorous complexes. <i>Journal of Porphyrins and Phthalocyanines</i> , 2009, 13, 153-160.	0.4	22
51	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.	0.4	21
52	Halogenated Monoterpene Aldehydes from the South African Marine Alga <i>Plocamium corallorhiza</i> . <i>Journal of Natural Products</i> , 2007, 70, 596-599.	1.5	20
53	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.	2.0	20
54	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.	0.4	20

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55	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, 2269-2274.	2.0	19
56	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.	1.9	19
57	Silica nanoparticles grafted with phthalocyanines: photophysical properties and studies in artificial lysosomal fluid. <i>New Journal of Chemistry</i> , 2013, 37, 2800.	1.4	18
58	Physicochemical properties of zinc monoamino phthalocyanine conjugated to folic acid and single walled carbon nanotubes. <i>Polyhedron</i> , 2013, 60, 59-67.	1.0	18
59	Synthesis and photophysicochemical studies of a water soluble conjugate between folic acid and zinc tetraaminophthalocyanine. <i>Journal of Luminescence</i> , 2013, 134, 784-790.	1.5	18
60	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.	2.0	17
61	Photophysical behaviour of cationic 2-(dimethylamino) ethanethio tetrasubstituted phthalocyanine complexes in the presence of gold nanoparticles. <i>Polyhedron</i> , 2012, 38, 169-177.	1.0	16
62	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.	4.8	16
63	Fluorescence behavior of glutathione capped CdTe@ZnS quantum dots chemically coordinated to zinc octacarboxy phthalocyanines. <i>Journal of Luminescence</i> , 2013, 136, 255-264.	1.5	16
64	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.	2.0	15
65	Antiplasmodial and antimicrobial activities of South African marine algal extracts. <i>Pharmaceutical Biology</i> , 2009, 47, 408-413.	1.3	15
66	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.	1.4	15
67	Optical Limiting Analysis of Phthalocyanines in Polymer Thin Films. <i>Journal of Macromolecular Science - Pure and Applied Chemistry</i> , 2013, 50, 110-120.	1.2	15
68	Photophysicochemical behavior and antimicrobial activity of dihydroxosilicon tris(diaqua platinum) octacarboxyphthalocyanine. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2014, 125, 147-153.	2.0	15
69	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.	4.8	14
70	The synthesis and characterisation of magnetic nanoparticles and their interaction with a zinc phthalocyanine. <i>Inorganic Chemistry Communication</i> , 2013, 29, 60-64.	1.8	14
71	Unquenched fluorescence lifetime for β -phenylthio substituted zinc phthalocyanine upon conjugation to gold nanoparticles. <i>Polyhedron</i> , 2012, 34, 114-120.	1.0	13
72	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.	1.4	13

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73	Polyamide nanofiber membranes functionalized with zinc phthalocyanines. <i>Journal of Applied Polymer Science</i> , 2014, 131, .	1.3	13
74	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.	2.0	13
75	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.	1.6	13
76	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.	2.0	12
77	The development of novel nickel selective amine extractants: 2,2-Pyridylimidazole functionalised chelating resin. <i>Minerals Engineering</i> , 2013, 54, 88-93.	1.8	12
78	Very Green Photosynthesis of Gold Nanoparticles by a Living Aquatic Plant: Photoreduction of Au ^{III} by the Seaweed <i>Ulva armoricana</i> . <i>Chemistry - A European Journal</i> , 2018, 24, 1657-1666.	1.7	12
79	Stability of fly ash-based BEA-zeolite in hot liquid phase. <i>Catalysis Today</i> , 2020, 357, 416-424.	2.2	11
80	Synthesis and Photophysical Properties of Tetra- and Octasubstituted Phosphorous Oxide Triazatetrabenzcorrole Photosensitizers. <i>Metal-Based Drugs</i> , 2008, 2008, 1-9.	3.8	10
81	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.	2.0	10
82	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, 153-156.	3.4	9
83	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.	0.4	9
84	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.	1.8	8
85	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.	1.0	7
86	Synthesis and physicochemical behaviour of aluminium trikis and tetrakis (diaquaplatinum) octacarboxyphthalocynine. <i>Dyes and Pigments</i> , 2012, 95, 572-579.	2.0	6
87	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.	1.3	6
88	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.	0.8	5
89	In Vitro Evaluation of the Phytopharmacological Potential of <i>Sargassum incisifolium</i> for the Treatment of Inflammatory Bowel Diseases. <i>Medicines (Basel, Switzerland)</i> , 2019, 6, 49.	0.7	5
90	Photocatalytic transformation of 4-nitrophenol in aqueous media using suspended, water-insoluble metallophthalocyanine complexes. <i>Journal of Coordination Chemistry</i> , 2008, 61, 3727-3739.	0.8	4

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91	Synthesis and nonlinear optical examination of 3(4),15(16)-Bis-(4-tert-butyl-phenoxy)-10,22-diaminohemiporphyrinato chloroindium. <i>Journal of Molecular Structure</i> , 2013, 1047, 143-148.	1.8	4
92	Improved photocatalytic degradation of Orange G using hybrid nanofibers. <i>Journal of Nanoparticle Research</i> , 2017, 19, 1.	0.8	4
93	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.	1.5	3
94	Photophysical Properties of Zinc Tetracarboxy Phthalocyanines Conjugated to Magnetic Nanoparticles. <i>Journal of Nanoscience and Nanotechnology</i> , 2015, 15, 3688-3696.	0.9	3
95	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.	0.6	3
96	A comparative photophysicochemical study of mono substituted phthalocyanines grafted onto silica nanoparticles. <i>Journal of Porphyrins and Phthalocyanines</i> , 2014, 18, 396-405.	0.4	2
97	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
98	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.	0.7	1
99	Fluorescence Behaviour of an Aluminium Octacarboxy Phthalocyanine - NaYGdF4:Yb/Er Nanoparticle Conjugate. <i>Journal of Fluorescence</i> , 2015, 25, 489-501.	1.3	1
100	The colourful chemistry of South African latrunculid sponges. <i>South African Journal of Science</i> , 2019, 115, .	0.3	1
101	Pyrroloiminoquinone and Related Metabolites from Marine Sponges. <i>ChemInform</i> , 2005, 36, no.	0.1	0
102	Synthesis and physicochemical behaviour of aluminium bis and tris(diammine platinum) octacarboxyphthalocyanine. <i>Polyhedron</i> , 2013, 55, 121-125.	1.0	0
103	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> , 0, , 1-16.	0.8	0