

Edith Antunes

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/5890575/publications.pdf>

Version: 2024-02-01

103
papers

2,932
citations

136950
32
h-index

206112
48
g-index

104
all docs

104
docs citations

104
times ranked

3213
citing authors

#	ARTICLE	IF	CITATIONS
1	Pyrroloiminoquinone and related metabolites from marine sponges. <i>Natural Product Reports</i> , 2005, 22, 62.	10.3	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.	3.8	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.	2.2	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.	5.2	101
5	Cytotoxic Pyrroloiminoquinones from Four New Species of South African Latrunculid Sponges. <i>Journal of Natural Products</i> , 2004, 67, 1268-1276.	3.0	88
6	Photochemical and Photophysical Properties of Metallophthalocyanines. <i>Handbook of Porphyrin Science</i> , 2010, , 247-357.	0.8	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.	3.8	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.	7.4	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.	2.6	55
11	Oxovanadium(IV)-catalysed oxidation of dibenzothiophene and 4,6-dimethyldibenzothiophene. <i>Dalton Transactions</i> , 2012, 41, 13908.	3.3	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.	3.9	54
13	Influence of nanoparticle materials on the photophysical behavior of phthalocyanines. <i>Coordination Chemistry Reviews</i> , 2013, 257, 2401-2418.	18.8	52
14	Cyclic voltammetry and spectroelectrochemistry of a novel manganese phthalocyanine substituted with hexynyl groups. <i>Inorganic Chemistry Communication</i> , 2011, 14, 330-332.	3.9	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.	4.3	51
16	Characterization and photophysical behavior of phthalocyanines when grafted onto silica nanoparticles. <i>Polyhedron</i> , 2013, 53, 278-285.	2.2	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.	2.9	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.	3.9	48

#	ARTICLE	IF	CITATIONS
19	Antiplasmodial halogenated monoterpenes from the marine red alga <i>Plocamium cornutum</i> . <i>Phytochemistry</i> , 2009, 70, 597-600.	2.9	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.	3.9	47
21	Electrochemical behaviour of gold nanoparticles and Co tetraaminophthalocyanine on glassy carbon electrode. <i>Electrochimica Acta</i> , 2014, 121, 93-101.	5.2	42
22	Synthesis and photophysical studies of phthalocyanine-gold nanoparticle conjugates. <i>Dalton Transactions</i> , 2011, 40, 11876.	3.3	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.	0.7	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.	3.8	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.	3.9	38
26	Photooxidation of 4-chlorophenol sensitized by lutetium tetraphenoxy phthalocyanine anchored on electrospun polystyrene polymer fiber. <i>Polyhedron</i> , 2012, 33, 74-81.	2.2	38
27	Synthesis and photophysical studies of CdTe quantum dot-monosubstituted zinc phthalocyanine conjugates. <i>Inorganica Chimica Acta</i> , 2011, 367, 173-181.	2.4	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.	4.1	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.	3.3	36
30	Plocoralides A-C, polyhalogenated monoterpenes from the marine alga <i>Plocamium corallorhiza</i> . <i>Phytochemistry</i> , 2005, 66, 1108-1112.	2.9	35
31	Dilemmaones A-C, Unusual Indole Alkaloids from a Mixed Collection of South African Sponges. <i>Journal of Natural Products</i> , 1998, 61, 699-701.	3.0	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.	0.8	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.	3.7	32
35	Microwave synthesis and photophysics of new tetrasulfonated tin(II) macrocycles. <i>Journal of Porphyrins and Phthalocyanines</i> , 2007, 11, 109-117.	0.8	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.	2.2	30

#	ARTICLE	IF	CITATIONS
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.	0.8	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.	2.8	28
39	Synthesis and photophysicochemical properties of zinc phthalocyanine derivatized with benzothiazole or carbazole photosensitizers. <i>Polyhedron</i> , 2013, 61, 119-125.	2.2	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.	3.3	26
41	Encapsulation of Variabilin in Stearic Acid Solid Lipid Nanoparticles Enhances Its Anticancer Activity in Vitro. <i>Molecules</i> , 2020, 25, 830.	3.8	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 electronspun fibers. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2012, 240, 50-58.	3.9	24
44	Physicochemical properties of a zinc phthalocyanine-pyrene conjugate adsorbed onto single walled carbon nanotubes. <i>Dalton Transactions</i> , 2013, 42, 10769.	3.3	24
45	Fluorescence studies of quantum dots and zinc tetraamino phthalocyanine conjugates. <i>Inorganic Chemistry Communication</i> , 2009, 12, 828-831.	3.9	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.	4.3	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.	3.9	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.	0.8	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.	0.8	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.	3.0	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.	3.9	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.	0.8	20

#	ARTICLE	IF	CITATIONS
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.	4.3	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.	3.8	19
57	Silica nanoparticles grafted with phthalocyanines: photophysical properties and studies in artificial lysosomal fluid. <i>New Journal of Chemistry</i> , 2013, 37, 2800.	2.8	18
58	Physicochemical properties of zinc monoamino phthalocyanine conjugated to folic acid and single walled carbon nanotubes. <i>Polyhedron</i> , 2013, 60, 59-67.	2.2	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.	3.1	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.	3.9	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.	2.2	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.	3.1	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.	3.9	15
65	Antiplasmodial and antimicrobial activities of South African marine algal extracts. <i>Pharmaceutical Biology</i> , 2009, 47, 408-413.	2.9	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.	2.8	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.	2.2	15
68	Photophysicochemical behavior and antimicrobial activity of dihydroxosilicon tris(diaquaplatinum)octacarboxyphthalocyanine. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2014, 125, 147-153.	3.9	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.	3.9	14
71	Unquenched fluorescence lifetime for β^2 -phenylthio substituted zinc phthalocyanine upon conjugation to gold nanoparticles. <i>Polyhedron</i> , 2012, 34, 114-120.	2.2	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.	2.8	13

#	ARTICLE	IF	CITATIONS
73	Polyamide nanofiber membranes functionalized with zinc phthalocyanines. Journal of Applied Polymer Science, 2014, 131, .	2.6	13
74	Photophysicochemical behavior of carbazole derivatized zinc phthalocyanine in the presence of ZnO microparticles and when embedded in electrospun fibers. Dyes and Pigments, 2014, 104, 57-66.	3.7	13
75	Photophysical properties of a new water soluble tetra thiamine substituted zinc phthalocyanine conjugated to gold nanorods of different aspect ratios. Dalton Transactions, 2014, 43, 8230.	3.3	13
76	The determination of the photosensitizing properties of mercapto substituted phthalocyanine derivatives in the presence of quantum dots capped with mercaptopropionic acid. Journal of Photochemistry and Photobiology A: Chemistry, 2011, 218, 101-110.	3.9	12
77	The development of novel nickel selective amine extractants: 2,2'-Pyridylimidazole functionalised chelating resin. Minerals Engineering, 2013, 54, 88-93.	4.3	12
78	Very Green Photosynthesis of Gold Nanoparticles by a Living Aquatic Plant: Photoreduction of Au ^{III} by the Seaweed <i>Ulva armoricana</i> . Chemistry - A European Journal, 2018, 24, 1657-1666.	3.3	12
79	Stability of fly ash-based BEA-zeolite in hot liquid phase. Catalysis Today, 2020, 357, 416-424.	4.4	11
80	Synthesis and Photophysical Properties of Tetra- and Octasubstituted Phosphorous Oxide Triazatetrabenzcorrole Photosensitizers. Metal-Based Drugs, 2008, 2008, 1-9.	3.8	10
81	Synthesis and photophysicochemical properties of novel zinc phthalocyanines mono substituted with carboxyl containing functional groups. Journal of Photochemistry and Photobiology A: Chemistry, 2012, 250, 18-24.	3.9	10
82	Melatonin generates singlet oxygen on laser irradiation but acts as a quencher when irradiated by lamp photolysis. Journal of Pineal Research, 2005, 38, 153-156.	7.4	9
83	Electrochemical, spectroscopic and microscopic studies of new manganese phthalocyanine complexes in solution and as self-assembled monolayers on gold. Journal of Porphyrins and Phthalocyanines, 2010, 14, 568-581.	0.8	9
84	Photophysical behavior of Zn aminophenoxy substituted phthalocyanine conjugates with carboxylic acid-coated silica nanoparticles: Effect of point of substitution. Journal of Molecular Structure, 2014, 1068, 245-254.	3.6	8
85	Glutathione capped CdTe@ZnS quantum dots-zinc tetracarboxy phthalocyanine conjugates: Fluorescence behavior studies in comparison with zinc octacarboxy phthalocyanine. Polyhedron, 2013, 54, 294-299.	2.2	7
86	Synthesis and physicochemical behaviour of aluminium triakis and tetrakis (diaquaplatinum) octacarboxyphthalocynine. Dyes and Pigments, 2012, 95, 572-579.	3.7	6
87	The Development of Palladium(II)-Specific Amine-Functionalized Silica-Based Microparticles: Adsorption and Column Separation Studies. Separation Science and Technology, 2015, 50, 1497-1506.	2.5	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. Journal of Nanoparticle Research, 2015, 17, 1.	1.9	5
89	In Vitro Evaluation of the Phytopharmacological Potential of Sargassum incisifolium for the Treatment of Inflammatory Bowel Diseases. Medicines (Basel, Switzerland), 2019, 6, 49.	1.4	5
90	Photocatalytic transformation of 4-nitrophenol in aqueous media using suspended, water-insoluble metalophthalocyanine complexes. Journal of Coordination Chemistry, 2008, 61, 3727-3739.	2.2	4

#	ARTICLE	IF	CITATIONS
91	Synthesis and nonlinear optical examination of 3(4),15(16)-Bis-(4-tert-butyl-phenoxy)-10,22-diaminohemiporphyrizinato chloroindium. Journal of Molecular Structure, 2013, 1047, 143-148.	3.6	4
92	Improved photocatalytic degradation of Orange G using hybrid nanofibers. Journal of Nanoparticle Research, 2017, 19, 1.	1.9	4
93	Synthesis and photophysical behavior of a novel zinc phthalocyanine containing a single carboxylic acid and three phenylthio substituents. Journal of Luminescence, 2012, 132, 2318-2324.	3.1	3
94	Photophysical Properties of Zinc Tetracarboxy Phthalocyanines Conjugated to Magnetic Nanoparticles. Journal of Nanoscience and Nanotechnology, 2015, 15, 3688-3696.	0.9	3
95	Plaxenone A and B: Cytotoxic halogenated monoterpenes from the South African red seaweed Plocamium maxillosum. Phytochemistry Letters, 2019, 29, 182-185.	1.2	3
96	A comparative photophysicochemical study of mono substituted phthalocyanines grafted onto silica nanoparticles. Journal of Porphyrins and Phthalocyanines, 2014, 18, 396-405.	0.8	2
97	The effect of structure on the electrochemical properties of 14 marine pyrroloquinoline metabolites. Journal of Chemical Research, 2005, 2005, 780-783.	1.3	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. Journal of Chemical Sciences, 2015, 127, 1191-1199.	1.5	1
99	Fluorescence Behaviour of an Aluminium Octacarboxy Phthalocyanine - NaYGdF4:Yb/Er Nanoparticle Conjugate. Journal of Fluorescence, 2015, 25, 489-501.	2.5	1
100	The colourful chemistry of South African latrunculid sponges. South African Journal of Science, 2019, 115, .	0.7	1
101	Pyrroloiminoquinone and Related Metabolites from Marine Sponges. ChemInform, 2005, 36, no.	0.0	0
102	Synthesis and physicochemical behaviour of aluminium bis and tris(diammine platinum) octacarboxyphthalocyanine. Polyhedron, 2013, 55, 121-125.	2.2	0
103	Acyclic halogenated monoterpenes from marine macroalgae: Estimated atmospheric lifetimes, potential degradation products, and their atmospheric impacts. Transactions of the Royal Society of South Africa, 0, , 1-16.	1.1	0