Jonathan Britton

List of Publications by Year
in descending order

49 papers	779 citations	516215 16 h-index	580395 25 g-index
49 all docs	49 docs citations	49 times ranked	792 citing authors

#	Article	IF	Citations
1	Nonlinear optical properties of natural laccaic acid dye studied using Z-scan technique. Optical Materials, 2015, 46, 270-275.	1.7	91
2	Fluorescence quenching and energy transfer in conjugates of quantum dots with zinc and indium tetraamino phthalocyanines. Journal of Photochemistry and Photobiology A: Chemistry, 2010, 210, 1-7.	2.0	54
3	Improved nonlinear optical behaviour of ball type indium(III) phthalocyanine linked to glutathione capped nanoparticles. Dyes and Pigments, 2017, 140, 417-430.	2.0	40
4	Optical limiters with improved performance based on nanoconjugates of thiol substituted phthalocyanine with CdSe quantum dots and Ag nanoparticles. Dalton Transactions, 2017, 46, 16190-16198.	1.6	36
5	Optical limiting behavior of ring substituted zinc, indium and gallium phthalocyanines in the presence of quantum dots. Journal of Porphyrins and Phthalocyanines, 2011, 15, 1239-1249.	0.4	26
6	Photophysical and non-linear optical behavior of novel tetra alkynyl terminated indium phthalocyanines: Effects of the carbon chain length. Polyhedron, 2015, 88, 73-80.	1.0	25
7	Improvement of nonlinear optical properties of phthalocyanine bearing diethyleneglycole chains: Influence of symmetry lowering vs. heavy atom effect. Journal of Porphyrins and Phthalocyanines, 2016, 20, 1296-1305.	0.4	25
8	Synthesis, photophysical and nonlinear optical properties of a series of ball-type phthalocyanines in solution and thin films. New Journal of Chemistry, 2017, 41, 2020-2028.	1.4	25
9	Third order nonlinear optical properties of phthalocyanines in the presence nanomaterials and in polymer thin films. Journal of Porphyrins and Phthalocyanines, 2013, 17, 691-702.	0.4	24
10	Improving singlet oxygen generating abilities of phthalocyanines: aluminum tetrasulfonated phthalocyanine in the presence of graphene quantum dots and folic acid. Journal of Coordination Chemistry, 2017, 70, 1601-1616.	0.8	24
11	Fluorescence studies of quantum dots and zinc tetraamino phthalocyanine conjugates. Inorganic Chemistry Communication, 2009, 12, 828-831.	1.8	23
12	Nonlinear optical properties of metal free and nickel binuclear phthalocyanines. Dyes and Pigments, 2019, 168, 347-356.	2.0	23
13	Enhanced nonlinear optical properties of octa-substituted lead and cadmium phthalocyanines when embedded in poly(bisphenol A carbonate) as thin films. Polyhedron, 2014, 81, 607-613.	1.0	22
14	Spectroscopic and nonlinear optical properties of the four positional isomers of 4Î±-(4-tert-butylphenoxy)phthalocyanine. Journal of Materials Chemistry C, 2015, 3, 10705-10714.	2.7	21
15	Effects of Pluronic F127 micelles as delivering agents on the vitro dark toxicity and photodynamic therapy activity of carboxy and pyrene substituted porphyrins. Polyhedron, 2018, 152, 102-107.	1.0	21
16	Effect of ultrasonic frequency and power on the sonodynamic therapy activity of cationic Zn(II) phthalocyanines. Journal of Inorganic Biochemistry, 2021, 217, 111397.	1.5	19
17	Graphene Quantum Dots Functionalized with 4-Amino-2, 2, 6, 6-Tetramethylpiperidine-N-Oxide as Fluorescence â€œTurn-ONâ€•Nanosensors. Journal of Fluorescence, 2016, 26, 2199-2212.	1.3	17
18	Photophysical and nonlinear optical study of benzothiazole substituted phthalocyanines in solution and thin films. Journal of Porphyrins and Phthalocyanines, 2017, 21, 263-272.	0.4	16

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19	Spectroscopic and nonlinear optical properties of alkyl thio substituted binuclear phthalocyanines. Dyes and Pigments, 2019, 162, 249-256.	2.0	16
20	Optical Limiting Analysis of Phthalocyanines in Polymer Thin Films. Journal of Macromolecular Science - Pure and Applied Chemistry, 2013, 50, 110-120.	1.2	15
21	Synthesis and photophysical properties of nanocomposites of aluminum tetrasulfonated phthalocyanine covalently linked to glutathione capped CdTe/CdS/ZnS quantum dots. Synthetic Metals, 2015, 205, 212-221.	2.1	15
22	Bioelectrocatalysis and surface analysis of gold coated with nickel oxide/hydroxide and glucose oxidase towards detection of glucose. Colloids and Surfaces B: Biointerfaces, 2020, 190, 110981.	2.5	15
23	Poly methyl methacrylate films containing metallophthalocyanines in the presence of CdTe quantum dots: Non-linear optical behaviour and triplet state lifetimes. Journal of Molecular Structure, 2013, 1054-1055, 209-214.	1.8	14
24	Effects of pluronic silica nanoparticles on the photophysical and photodynamic therapy behavior of triphenyl-p-phenoxy benzoic acid metalloporphyrins. Journal of Coordination Chemistry, 2016, 69, 3491-3506.	0.8	14
25	Solvent Effect on the Third-Order Nonlinear Optical Properties of Î±- and Î²-Tertbutyl Phenoxy-Substituted Tin(IV) Chloride Phthalocyanines. Journal of Physical Chemistry A, 2017, 121, 7165-7175.	1.1	13
26	The effect of point of substitution and silver based nanoparticles on the photophysical and optical nonlinearity of indium carboxyphenoxy phthalocyanine. Journal of Photochemistry and Photobiology A: Chemistry, 2017, 347, 146-159.	2.0	13
27	Fabrication of dye-sensitized solar cells based on push-pull asymmetrical substituted zinc and copper phthalocyanines and reduced graphene oxide nanosheets. Journal of Photochemistry and Photobiology A: Chemistry, 2020, 399, 112612.	2.0	13
28	Effects of differently shaped silver nanoparticles on the photophysics of pyridylsulfanyl-substituted phthalocyanines. Polyhedron, 2015, 99, 112-121.	1.0	12
29	Photophysical properties of GaCl 5,10,15,20-tetra(1-pyrenyl)porphyrinato incorporated into Pluronic F127 micelle. Journal of Luminescence, 2017, 185, 34-41.	1.5	11
30	The effect of the cobalt and manganese central metal ions on the nonlinear optical properties of tetra(4-propargyloxyphenoxy)phthalocyanines. New Journal of Chemistry, 2018, 42, 9857-9864.	1.4	10
31	Optical limiting and singlet oxygen generation properties of phosphorus triazatetrabenzcorroles. Journal of Porphyrins and Phthalocyanines, 2015, 19, 192-204.	0.4	9
32	The improved antibacterial efficiency of a zinc phthalocyanine when embedded on silver nanoparticle modified silica nanofibers. Photodiagnosis and Photodynamic Therapy, 2021, 33, 102100.	1.3	9
33	Fluorescence Behaviour and Singlet Oxygen Production of Aluminium Phthalocyanine in the Presence of Upconversion Nanoparticles. Journal of Fluorescence, 2015, 25, 1417-1429.	1.3	8
34	Effects of charge on the photophysicochemical properties of zinc phthalocyanine derivatives doped onto silica nanoparticles. Polyhedron, 2017, 138, 37-45.	1.0	7
35	Optimizing phthalocyanine based dye-sensitized solar cells: The role of reduced graphene oxide. Synthetic Metals, 2018, 246, 236-245.	2.1	7
36	The photocatalytic properties of zinc phthalocyanines supported on hematite nanofibers for use against methyl orange and Staphylococcus aureus. Journal of Photochemistry and Photobiology A: Chemistry, 2022, 424, 113637.	2.0	7

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37	Photophysical studies of meso-tetrakis(4-nitrophenyl) and meso-tetrakis(4-sulfophenyl) gallium porphyrins loaded into Pluronic F127 polymeric micelles. Journal of Photochemistry and Photobiology A: Chemistry, 2017, 348, 179-187.	2.0	6
38	Characterization of conjugates of NaYF4:Yb,Er,Gd upconversion nanoparticle with aluminium phthalocyanines. Journal of Molecular Structure, 2017, 1130, 128-137.	1.8	5
39	Decoration of glass wool with zinc (II) phthalocyanine for the photocatalytic transformation of methyl orange. Journal of Photochemistry and Photobiology A: Chemistry, 2022, 432, 114127.	2.0	5
40	Synthesis and nonlinear optical examination of 3(4),15(16)-Bis-(4-tert-butyl-phenoxy)-10,22-diaminohemiporphyrazinato chloroindium. Journal of Molecular Structure, 2013, 1047, 143-148.	1.8	4
41	Powder-XRD and14N magic angle-spinning solid-state NMR spectroscopy of some metal nitrides. Magnetic Resonance in Chemistry, 2016, 54, 371-376.	1.1	4
42	Photophysics and NLO properties of Ga(III) and In(III) phthalocyaninates bearing diethyleneglycol chains. Journal of Porphyrins and Phthalocyanines, 2018, 22, 137-148.	0.4	4
43	Photodegradation of 4-chlorophenol using Zn and In phthalocyanines substituted with pyrrole without hetero atoms linkers and supported on polyacrylonitrile electrospun fibres. Polyhedron, 2020, 178, 114329.	1.0	4
44	Synthesis of a near infrared-actuated phthalocyanine-lipid vesicle system for augmented photodynamic therapy. Synthetic Metals, 2021, 278, 116811.	2.1	3
45	Effect of nature of nanoparticles on the photophysicochemical properties of asymmetrically substituted Zn phthalocyanines. Inorganica Chimica Acta, 2018, 482, 438-446.	1.2	2
46	Characterization of electrodes modified with nanocomposites of cobalt tetraaminophenoxyphthalocyanine, reduced graphene and multi-walled carbon nanotubes. Journal of Coordination Chemistry, 2019, 72, 1922-1935.	0.8	1
47	Growth of centimeter scale carbon wires using in-liquid AC arc discharge. SN Applied Sciences, 2020, 2, 1.	1.5	1
48	Synthesis and dark toxicity of 5-(4-carboxyphenyl)-10,15,20-tris(phenyl)-porphyrinato chlorido gallium(III) when conjugated to Î-aminolevulinic acid. Journal of Coordination Chemistry, 2016, 69, 3035-3042.	0.8	0
49	Synthesis, spectroscopic and DFT Characterization of 4Î²-(4-tert-Butylphenoxy)phthalocyanine positional isomers for non-linear optical absorption. South African Journal of Chemistry, 2017, , .	0.3	0