Muthumuni Managa

List of Publications by Citations

34	367	13	17
papers	citations	h-index	g-index
38	481	3	4.35
ext. papers	ext. citations	avg, IF	L-index

#	Paper	IF	Citations
34	New type of metal-free and Zinc(II), In(III), Ga(III) phthalocyanines carrying biologically active substituents: Synthesis and photophysicochemical properties and photodynamic therapy activity. *Inorganica Chimica Acta*, **2019**, 491, 1-8	2.7	36
33	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. *Polyhedron*, **2014**, 76, 94-101	2.7	23
32	Acetophenone substituted phthalocyanines and their graphene quantum dots conjugates as photosensitizers for photodynamic antimicrobial chemotherapy against Staphylococcus aureus. *Photodiagnosis and Photodynamic Therapy*, **2020**, 29, 101607	3.5	23
31	Photophysical studies of graphene quantum dots - Pyrene-derivatized porphyrins conjugates when encapsulated within Pluronic F127 micelles. *Dyes and Pigments*, **2018**, 148, 405-416	4.6	20
30	Photo-physicochemical properties and in vitro photodynamic therapy activity of morpholine-substituted Zinc(II)-Phthalocyanines stacked on biotinylated graphene quantum dots. *Dyes and Pigments*, **2019**, 165, 488-498	4.6	19
29	Photodynamic antimicrobial chemotherapy activity of (5,10,15,20-tetrakis(4-(4-carboxyphenycarbonoimidoyl)phenyl)porphyrinato) chloro gallium(III). *Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy*, **2015**, 151, 867-74	4.4	19
28	Physicochemical and antimicrobial photodynamic chemotherapy (against E. coli) by indium phthalocyanines in the presence of silver iron bimetallic nanoparticles. *Polyhedron*, **2019**, 162, 30-38	2.7	18
27	Photophysical properties and photodynamic therapy activity of a meso-tetra(4-carboxyphenyl)porphyrin tetramethyl ester graphene quantum dot conjugate. *New Journal of Chemistry*, **2019**, 43, 4518-4524	3.6	18
26	Fluorescence behaviour of supramolecular hybrids containing graphene quantum dots and pyrene-derivatized phthalocyanines and porphyrins. *Journal of Photochemistry and Photobiology A: Chemistry*, **2017**, 333, 174-185	4.7	18
25	Photophysical properties and photodynamic therapy activities of detonated nanodiamonds-BODIPY-phthalocyanines nanoassemblies. *Photodiagnosis and Photodynamic Therapy*, **2019**, 26, 101-110	3.5	16
24	Photodynamic antimicrobial chemotherapy activity of gallium tetra-(4-carboxyphenyl) porphyrin when conjugated to differently shaped platinum nanoparticles. *Journal of Molecular Structure*, **2015**, 1099, 432-440	3.4	16
23	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	2.7	15
22	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	1.6	13
21	Photophysicochemical behavior and antimicrobial activity of dihydroxosilicon tris(diaquaplatinum)octacarboxyphthalocyanine. *Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy*, **2014**, 125, 147-53	4.4	13
20	The modulation of the photophysical and photodynamic therapy activities of a phthalocyanine by detonation nanodiamonds: Comparison with graphene quantum dots and carbon nanodots. *Diamond and Related Materials*, **2020**, 101, 107617	3.5	12
19	Enhancement of photodynamic antimicrobialtherapy through the use of cationic indium porphyrin conjugated to Ag/CuFeO nanoparticles. *Photodiagnosis and Photodynamic Therapy*, **2020**, 30, 101736	3.5	10
18	Incorporation of metal free and Ga 5,10,15,20-tetrakis(4-bromophenyl) porphyrin into Pluronic F127-folic acid micelles. *Journal of Luminescence*, **2018**, 194, 739-746	3.8	10

List of Publications

17	Photophysical properties of GaCl 5,10,15,20-tetra(1-pyrenyl)porphyrinato incorporated into Pluronic F127 micelle. *Journal of Luminescence*, **2017**, 185, 34-41	3.8	9
16	The photo-physicochemical properties and in vitro photodynamic therapy activity of differently substituted-zinc (II)-phthalocyanines and graphene quantum dots conjugates on MCF7 breast cancer cell line. *Inorganica Chimica Acta*, **2019**, 488, 304-311	2.7	9
15	The photophysical studies of Pluronic F127/P123 micelle mixture system loaded with metal free and Zn 5,10,15,20-tetrakis[4-(benzyloxy) phenyl]porphyrins. *Journal of Photochemistry and Photobiology A: Chemistry*, **2017**, 339, 49-58	4.7	7
14	Effect of symmetry and metal nanoparticles on the photophysicochemical and photodynamic therapy properties of cinnamic acid zinc phthalocyanine. *Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy*, **2019**, 214, 49-57	4.4	7
13	Photophysical properties of tetraphenylporphyrinsubphthalocyanine conjugates. *Journal of Porphyrins and Phthalocyanines*, **2016**, 20, 1-20	1.8	6
12	Photodynamic antimicrobial chemotherapy of asymmetric porphyrin-silver conjugates towards photoinactivation of Staphylococcus aureus. *Journal of Coordination Chemistry*, **2020**, 73, 593-608	1.6	5
11	Theoretical and photodynamic therapy characteristics of heteroatom doped detonation nanodiamonds linked to asymmetrical phthalocyanine for eradication of breast cancer cells. *Journal of Luminescence*, **2020**, 227, 117465	3.8	4
10	Photophysics and NLO properties of Ga(III) and In(III) phthalocyaninates bearing diethyleneglycol chains. *Journal of Porphyrins and Phthalocyanines*, **2018**, 22, 137-148	1.8	3
9	Design of Phthalocyanine-Nanoparticle Hybrids for Photodynamic Therapy Applications in Oxygen-Deficient Tumour Environment. *ChemistrySelect*, **2019**, 4, 9084-9095	1.8	3
8	The photophysicochemical properties and photodynamic therapy activity of phenyldiazenyl phenoxy substituted phthalocyanines when incorporated into Pluronic F127 micelles. *Polyhedron*, **2019**, 174, 114157	2.7	3
7	Sn(IV) porphyrin-biotin decorated nitrogen doped graphene quantum dots nanohybrids for photodynamic therapy. *Polyhedron*, **2022**, 213, 115624	2.7	3
6	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	4.7	3
5	Optical limiting properties of indium 5,10,15,20-tetrakis(4-aminophenyl) porphyrin covalently linked to semiconductor quantum dots. *Inorganica Chimica Acta*, **2020**, 511, 119838	2.7	2
4	Photodynamic therapy characteristics of phthalocyanines in the presence of boron doped detonation nanodiamonds: Effect of symmetry and charge.. *Photodiagnosis and Photodynamic Therapy*, **2021**, 102705	3.5	1
3	Symmetrically Substituted Zn and Al Phthalocyanines and Polymers for Photodynamic Therapy Application. *Frontiers in Chemistry*, **2021**, 9, 647331	5	1
2	Synthesis of a near infrared-actuated phthalocyanine-lipid vesicle system for augmented photodynamic therapy. *Synthetic Metals*, **2021**, 278, 116811	3.6	1
1	Synthesis and dark toxicity of 5-(4-carboxyphenyl)-10,15,20-tris(phenyl)-porphyrinato chloridogallium(III) when conjugated to aminolevulinic acid. *Journal of Coordination Chemistry*, **2016**, 69, 3035-3042	1.6	