

Mahmut DurmuÅ

List of Publications by Year in descending order

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70
papers

1,874
citations

218677

26
h-index

289244

40
g-index

70
all docs

70
docs citations

70
times ranked

1629
citing authors

#	ARTICLE	IF	CITATIONS
1	Synthesis, photophysical and photochemical properties of substituted zinc phthalocyanines. Dalton Transactions, 2007, , 3782.	3.3	180
2	Comparative studies of photophysical and photochemical properties of solketal substituted platinum(II) and zinc(II) phthalocyanine sets. Tetrahedron, 2010, 66, 3248-3258.	1.9	145
3	Separation and mesogenic properties of tetraalkoxy-substituted phthalocyanine isomers. New Journal of Chemistry, 2006, 30, 675-678.	2.8	109
4	Synthesis, photophysical and photochemical studies of new water-soluble indium(III) phthalocyanines. Photochemical and Photobiological Sciences, 2007, 6, 659.	2.9	70
5	Liquid crystalline metal phthalocyanines: Structural organization on the substrate surface. Coordination Chemistry Reviews, 2016, 310, 131-153.	18.8	59
6	Amphiphilic zinc phthalocyanine photosensitizers: synthesis, photophysicochemical properties and in vitro studies for photodynamic therapy. Dalton Transactions, 2015, 44, 9646-9658.	3.3	50
7	Synthesis and photophysicochemical properties of novel water soluble phthalocyanines. Dyes and Pigments, 2016, 125, 414-425.	3.7	48
8	Novel alpha-7-oxy-4-(4-methoxyphenyl)-8-methylcoumarin substituted metal-free, Co(II) and Zn(II) phthalocyanines: Photochemistry, photophysics, conductance and electrochemistry. Dyes and Pigments, 2012, 95, 540-552.	3.7	46
9	Electrochemical, Spectroelectrochemical, and Electrochromic Properties of Lanthanide Bis-Phthalocyanines. Journal of the Electrochemical Society, 2014, 161, H422-H429.	2.9	45
10	Highly singlet oxygen generative water-soluble coumarin substituted zinc(II) phthalocyanine photosensitizers for photodynamic therapy. Polyhedron, 2012, 41, 92-103.	2.2	43
11	Photophysical, photochemical and BSA binding/BQ quenching properties of quaternizable coumarin containing water soluble zinc phthalocyanine complexes. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2011, 79, 608-617.	3.9	37
12	Fluorenylidene bridged cyclotriphosphazenes: "turn-off" fluorescence probe for Cu ²⁺ and Fe ³⁺ ions. Dalton Transactions, 2013, 42, 14916.	3.3	36
13	Novel Coumarin Substituted Water Soluble Cyclophosphazenes as "Turn-Off" Type Fluorescence Chemosensors for Detection of Fe ³⁺ ions in Aqueous Media. Journal of Fluorescence, 2015, 25, 1819-1830.	2.5	36
14	7-Oxy-3-(3,4,5-trimethoxyphenyl)coumarin substituted phthalonitrile derivatives as fluorescent sensors for detection of Fe ³⁺ ions: Experimental and theoretical study. Sensors and Actuators B: Chemical, 2014, 194, 377-388.	7.8	35
15	Novel zinc(II) phthalocyanine conjugates bearing different numbers of BODIPY and iodine groups as substituents on the periphery. Dyes and Pigments, 2014, 111, 81-90.	3.7	33
16	High performance ternary solar cells based on P3HT:PCBM and ZnPc-hybrids. RSC Advances, 2016, 6, 93453-93462.	3.6	33
17	Novel pyrene-BODIPY dyes based on cyclotriphosphazene scaffolds: Synthesis, photophysical and spectroelectrochemical properties. Inorganica Chimica Acta, 2019, 494, 132-140.	2.4	33
18	Highly soluble 7-oxy-3-(4-methoxyphenyl)coumarin bearing zinc phthalocyanines: Synthesis and investigation of photophysical and photochemical properties. Journal of Photochemistry and Photobiology A: Chemistry, 2011, 223, 37-49.	3.9	32

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19	Preparation of single walled carbon nanotube-pyrene 3D hybrid nanomaterial and its sensor response to ammonia. <i>Sensors and Actuators B: Chemical</i> , 2018, 256, 853-860.	7.8	32
20	Peripherally and non-peripherally tetra-benzothiazole substituted metal-free zinc (II) and lead (II) phthalocyanines: Synthesis, characterization, and investigation of photophysical and photochemical properties. <i>Journal of Molecular Structure</i> , 2017, 1130, 677-687.	3.6	31
21	Highly selective and ultra-sensitive electrochemical sensor behavior of 3D SWCNT-BODIPY hybrid material for eserine detection. <i>Biosensors and Bioelectronics</i> , 2019, 128, 144-150.	10.1	31
22	Effect of covalent and non-covalent linking of zinc(II) phthalocyanine functionalised carbon nanomaterials on the sensor response to ammonia. <i>Synthetic Metals</i> , 2017, 227, 78-86.	3.9	28
23	Synthesis and physico-chemical properties of cyclotriphosphazene-BODIPY conjugates. <i>Dyes and Pigments</i> , 2017, 139, 517-523.	3.7	28
24	Synthesis and organic solar cell performance of BODIPY and coumarin functionalized SWCNTs or graphene oxide nanomaterials. <i>Dalton Transactions</i> , 2018, 47, 9617-9626.	3.3	27
25	Effect of different SWCNT-BODIPY hybrid materials for selective and sensitive electrochemical detection of guanine and adenine. <i>Journal of Electroanalytical Chemistry</i> , 2019, 840, 10-20.	3.8	27
26	Coumarino-12-crown-4 bearing phthalocyanine photosensitizers for singlet oxygen production. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2011, 222, 266-275.	3.9	26
27	A first archetype of boron dipyrromethene-phthalocyanine pentad dye: design, synthesis, and photophysical and photochemical properties. <i>Dalton Transactions</i> , 2014, 43, 7561.	3.3	26
28	Sensitive, simple and fast voltammetric determination of pesticides in juice samples by novel BODIPY-phthalocyanine-SWCNT hybrid platform. <i>Food and Chemical Toxicology</i> , 2021, 147, 111886.	3.6	26
29	Novel SWCNT-hybrid nanomaterial functionalized with subphthalocyanine substituted asymmetrical zinc (II) phthalocyanine conjugate: Design, synthesis, characterization and sensor properties for pesticides. <i>Sensors and Actuators B: Chemical</i> , 2021, 329, 129198.	7.8	26
30	Comparison of photophysicochemical properties of hexaphenoxycyclotriphosphazanyl-substituted metal-free, mono- and bis-lutetium phthalocyanines. <i>Synthetic Metals</i> , 2010, 160, 436-444.	3.9	25
31	Synthesis, photophysical, photochemical and electrochemical properties of crown ether bearing coumarin substituted phthalocyanines. <i>Inorganica Chimica Acta</i> , 2012, 383, 287-299.	2.4	25
32	Axially substituted silicon(IV) phthalocyanine and its quaternized derivative as photosensitizers towards tumor cells and bacterial pathogens. <i>Bioorganic and Medicinal Chemistry</i> , 2017, 25, 5415-5422.	3.0	25
33	Synthesis, characterization and comparative studies on the photophysical and photochemical properties of metal-free and zinc(II) phthalocyanines with phenyloxyacetic acid functionalities. <i>Polyhedron</i> , 2011, 30, 1935-1944.	2.2	24
34	Exceptionally effective generation of singlet oxygen in aqueous media via iodinated zinc-phthalocyanine. <i>Dyes and Pigments</i> , 2019, 164, 296-304.	3.7	24
35	Mono and Double-Decker Lutetium Phthalocyanines Bearing Iodine Groups: Electrochemical and Electrochromic Properties. <i>Journal of the Electrochemical Society</i> , 2016, 163, H927-H936.	2.9	20
36	The peripheral and non-peripheral 2H-benzotriazole substituted phthalocyanines: Synthesis, characterization, photophysical and photochemical studies of zinc derivatives. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2019, 217, 128-140.	3.9	20

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37	Zinc(II) and lead(II) phthalocyanines bearing thiadiazole substituents: Synthesis, characterization, photophysical and photochemical properties. <i>Journal of Molecular Structure</i> , 2019, 1197, 594-602.	3.6	19
38	The effect of on/off-molecular switching on the photophysical and photochemical properties of axially calixarene substituted activatable silicon phthalocyanine photosensitizers. <i>Dalton Transactions</i> , 2016, 45, 7634-7641.	3.3	18
39	Synthesis and characterization of novel 7-oxy-3-ethyl-6-hexyl-4-methylcoumarin substituted metallo phthalocyanines and investigation of their photophysical and photochemical properties. <i>Dalton Transactions</i> , 2019, 48, 13046-13056.	3.3	18
40	Preparation, characterization and photophysicochemical properties of novel tetra 7-(diethyl) phthalocyanines. <i>Journal of Organometallic Chemistry</i> , 2016, 822, 125-134.	1.8	17
41	Biotinylated-cationic zinc(II) phthalocyanine towards photodynamic therapy. <i>Journal of Porphyrins and Phthalocyanines</i> , 2019, 23, 46-55.	0.8	16
42	Purple silicon(IV) phthalocyanine axially substituted with BODIPY groups. <i>Dyes and Pigments</i> , 2020, 172, 107867.	3.7	16
43	Synthesis and properties of crown ether functionalized coumarin substituted zinc phthalocyanine. <i>Polyhedron</i> , 2011, 30, 2067-2074.	2.2	15
44	The water soluble axially disubstituted silicon phthalocyanines: photophysicochemical properties and in vitro studies. <i>Journal of Biological Inorganic Chemistry</i> , 2017, 22, 953-967.	2.6	15
45	Silicon(IV) phthalocyanine-biotin conjugates: Synthesis, photophysicochemical properties and in vitro biological activity for photodynamic therapy. <i>Journal of Porphyrins and Phthalocyanines</i> , 2017, 21, 547-554.	0.8	15
46	A novel of PEG-conjugated phthalocyanine and evaluation of its photocytotoxicity and antibacterial properties for photodynamic therapy. <i>Journal of Porphyrins and Phthalocyanines</i> , 2018, 22, 10-24.	0.8	14
47	Chromenone 12-crown-4 substituted zinc phthalocyanine complexes: Investigation of spectral, photophysical and photochemical properties. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2011, 81, 690-697.	3.9	13
48	1,2,3-Triazole incorporated coumarin carrying metal-free, Zn(II), Mg(II) phthalocyanines: Synthesis, characterization, theoretical studies, photophysical and photochemical properties. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2020, 403, 112845.	3.9	13
49	Novel lutetium(III) phthalocyanine-coumarin dyads; synthesis, characterization, photochemical, theoretical and antioxidant properties. <i>Inorganica Chimica Acta</i> , 2021, 517, 120145.	2.4	13
50	Investigation of electrochemical properties and gas adsorption studies of novel sandwich core phthalocyanines. <i>Journal of Physical Organic Chemistry</i> , 2019, 32, e3907.	1.9	12
51	Novel Hexadeca-Substituted Metal Free and Zinc(II) Phthalocyanines; Design, Synthesis and Photophysicochemical Properties. <i>Molecules</i> , 2019, 24, 77.	3.8	11
52	Synthesis and photodynamic activities of novel silicon(iv) phthalocyanines axially substituted with water soluble groups against HeLa cancer cell line. <i>Dalton Transactions</i> , 2021, 50, 2570-2584.	3.3	10
53	Investigation of photophysical and photochemical properties of octa-substituted double-decker rare-earth metallophthalocyanine complexes. <i>Journal of Porphyrins and Phthalocyanines</i> , 2012, 16, 907-916.	0.8	8
54	Synthesis and characterization of dicoumarol substituted cyclotriphosphazenes. <i>Inorganica Chimica Acta</i> , 2013, 398, 106-112.	2.4	8

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55	Synthesis and properties of octa-distyryl-BODIPY substituted zinc(II) phthalocyanines. <i>Dyes and Pigments</i> , 2017, 140, 157-165.	3.7	8
56	Synthesis and characterization of 6,8-di-tert-butyl-3-[p-(propynyl)phenoxy]coumarin substituted phthalocyanines and investigation of their photophysical and photochemical properties. <i>Inorganica Chimica Acta</i> , 2017, 465, 31-37.	2.4	8
57	BODIPY substituted zinc(II) phthalocyanine and its bulk heterojunction application in solar cells. <i>Journal of Porphyrins and Phthalocyanines</i> , 2019, 23, 1132-1143.	0.8	8
58	Novel Zn(II) phthalocyanine with tyrosine moieties for photodynamic therapy: Synthesis and comparative study of light-associated properties. <i>Polyhedron</i> , 2019, 162, 121-128.	2.2	8
59	Novel 7-oxy-3-(3,4,5-trimethoxyphenyl)coumarin substituted zinc(II) phthalocyanines: Synthesis, characterization, photophysical and photochemical properties. <i>Journal of Porphyrins and Phthalocyanines</i> , 2015, 19, 1114-1122.	0.8	7
60	Synthesis of novel dimeric subphthalocyanines via azide-alkyne Huisgen 1,3-dipolar cycloaddition and palladiumcatalyzed Glaser-Hay coupling reactions. <i>Journal of Porphyrins and Phthalocyanines</i> , 2017, 21, 539-546.	0.8	7
61	Quaternized Zn(II) phthalocyanines for photodynamic strategy against resistant periodontal bacteria. <i>Zeitschrift Fur Naturforschung - Section C Journal of Biosciences</i> , 2018, 73, 221-228.	1.4	7
62	A highly sensitive ON-OFF dual optical sensor for the detection of Cu(II) ion and triazole pesticides based on novel BODIPY-substituted cavitand. <i>Dalton Transactions</i> , 2021, 50, 6437-6443.	3.3	7
63	Chemosensor properties of 7-hydroxycoumarin substituted cyclotriphosphazenes. <i>Turkish Journal of Chemistry</i> , 2020, 44, 64-73.	1.2	5
64	Purple subphthalocyanine-phthalocyanine dyad: Synthesis, photophysicochemical properties and DFT study. <i>Applied Organometallic Chemistry</i> , 2020, 34, e5780.	3.5	4
65	7-Oxy-3,4-cyclohexenecoumarin Carrying Novel Zinc(II) and Indium(III) Acetate Phthalocyanines: Synthesis, Characterization, Photophysical and Photochemical Properties. <i>ChemistrySelect</i> , 2019, 4, 9632-9639.	1.5	3
66	Synthesis and photovoltaic properties of novel ferrocene-substituted metallophthalocyanines. <i>Dalton Transactions</i> , 2022, 51, 570-579.	3.3	3
67	A novel selective fluorescent chemosensor for Fe ³⁺ ions based on phthalonitrile dimer: synthesis, analysis, and theoretical studies. <i>Turkish Journal of Chemistry</i> , 2020, 44, 1254-1264.	1.2	2
68	Synthesis, characterization, photophysics, and photochemistry of peripherally substituted tetrakis(quinolinylethylenephenoxy)-substituted zinc(ii) phthalocyanines. <i>New Journal of Chemistry</i> , 2021, 45, 9912-9921.	2.8	2
69	A BODIPY decorated multiple mode reusable paper-based colorimetric and fluorometric pH sensor. <i>Dyes and Pigments</i> , 2022, 205, 110510.	3.7	2
70	Novel nonperipheral octa-3-hydroxypropylthio substituted metallo-phthalocyanines: synthesis, characterization, and investigation of their electrochemical, photochemical and computational properties. <i>Turkish Journal of Chemistry</i> , 2021, 45, 143-156.	1.2	1