Emre Gzel

List of Publications by Citations

49 papers	641 citations	16 h-index	23 g-index
50 ext. papers	830 ext. citations	3.6 avg, IF	4.59 L-index

#	Paper	IF	Citations
49	Synthesis, characterization and photodynamic activity of a new amphiphilic zinc phthalocyanine. *Dyes and Pigments*, **2013**, 97, 238-243	4.6	74
48	Synthesis and photophysicochemical properties of novel thiadiazole-substituted zinc (II), gallium (III) and silicon (IV) phthalocyanines for photodynamic therapy. *Inorganica Chimica Acta*, **2017**, 467, 169-176	2.7	41
47	Photovoltaic performance and photostability of anthocyanins, isoquinoline alkaloids and betalains as natural sensitizers for DSSCs. *Solar Energy*, **2018**, 173, 34-41	6.8	36
46	Synthesis and investigation of photophysicochemical properties of novel ketone-substituted gallium (III) and indium (III) phthalocyanines with high singlet oxygen yield for photodynamic therapy. *Journal of Luminescence*, **2017**, 192, 888-892	3.8	36
45	Novel sulfonated hydrophilic indium(III) and gallium(III) phthalocyanine photosensitizers: preparation and investigation of photophysicochemical properties. *Journal of Coordination Chemistry*, **2017**, 70, 2659-2670	1.6	32
44	Zinc and chloroindium complexes of furan-2-ylmethoxy substituted phthalocyanines: Preparation and investigation of aggregation, singlet oxygen generation, antioxidant and antimicrobial properties. *Synthetic Metals*, **2018**, 245, 127-134	3.6	31
43	Anionic water-soluble sulfonated phthalocyanines: microwave-assisted synthesis, aggregation behaviours, electrochemical and in-situ spectroelectrochemical characterisation. *Supramolecular Chemistry*, **2017**, 29, 536-546	1.8	26
42	Synthesis of non-peripheral thioanisole-substituted phthalocyanines: Photophysical, electrochemical, photovoltaic, and sensing properties. *Journal of Photochemistry and Photobiology A: Chemistry*, **2017**, 348, 57-67	4.7	26
41	Pyrazole-3-carboxylic acid as a new anchoring group for phthalocyanine-sensitized solar cells. *Solar Energy*, **2018**, 174, 527-536	6.8	26
40	Microwave-assisted synthesis, electrochemistry and spectroelectrochemistry of amphiphilic phthalocyanines. *Synthetic Metals*, **2015**, 199, 372-380	3.6	24
39	Aminopyrazole-substituted metallophthalocyanines: Preparation, aggregation behavior, and investigation of metabolic enzymes inhibition properties. *Archiv Der Pharmazie*, **2019**, 352, e1800292	4.3	24
38	Synthesis of tetra-substituted metallophthalocyanines: Spectral, structural, computational studies and investigation of their photophysical and photochemical properties. *Polyhedron*, **2019**, 158, 316-324	2.7	21
37	Effect of new asymmetrical Zn(II) phthalocyanines on the photovoltaic performance of a dye-sensitized solar cell. *New Journal of Chemistry*, **2019**, 43, 14390-14401	3.6	20
36	Unsymmetrically pyrazole-3-carboxylic acid substituted phthalocyanine-based photoanodes for use in water splitting photoelectrochemical and dye-sensitized solar cells. *Solar Energy*, **2019**, 191, 654-662	6.8	19
35	Novel D-π-A organic dyes for DSSCs based on dibenzo[b,h][1,6]naphthyridine as a π-bridge. *Dyes and Pigments*, **2019**, 164, 188-197	4.6	18
34	Dual-purpose zinc and silicon complexes of 1,2,3-triazole group substituted phthalocyanine photosensitizers: synthesis and evaluation of photophysical, singlet oxygen generation, electrochemical and photovoltaic properties.. *RSC Advances*, **2019**, 9, 10854-10864	3.7	18
33	One pot reaction and three type products; 1(4),8(11)-15(18),22(25) adjacent azine attached as macrocyclically mono, bunk-type (dimer) and polymeric metallo phthalocyanines; synthesis, spectroscopy, and electrochemistry. *Dyes and Pigments*, **2015**, 113, 416-425	4.6	15

32	Comparative studies of photophysical and electrochemical properties of sulfur-containing substituted metal-free and metallophthalocyanines. *Research on Chemical Intermediates*, **2018**, 44, 971-989	2.8	15
31	Role of hexyloxy groups in zinc phthalocyanines bearing sulfonic acid anchoring groups for dye-sensitized solar cells. *Journal of Porphyrins and Phthalocyanines*, **2019**, 23, 279-286	1.8	13
30	1,2,3-Triazole substituted phthalocyanine metal complexes as potential inhibitors for anticholinesterase and antidiabetic enzymes with molecular docking studies. *Journal of Biomolecular Structure and Dynamics*, **2020**, 1-11	3.6	11
29	High Photosensitized Singlet Oxygen Generating Zinc and Chloroindium Phthalocyanines Bearing (4-isopropylbenzyl)oxy Groups as Potential Agents for Photophysicochemical Applications. *ChemistrySelect*, **2019**, 4, 515-520	1.8	11
28	Thiochalcone substituted phthalocyanines for dye-sensitized solar cells: Relation of optical and electrochemical properties for cell performance. *Journal of Coordination Chemistry*, **2018**, 71, 1606-1622	1.6	9
27	Phthalocyanines including 2-mercaptobenzimidazole analogs: Synthesis, spectroscopic characteristics, quantum-chemical studies on the relationship between electronic and antioxidant properties. *Journal of Molecular Structure*, **2020**, 1202, 127259	3.4	9
26	Low symmetry solitaire- and trans-functional porphyrazine/phthalocyanine hybrid complexes: Synthesis, isolation, characterization, and electrochemical and in-situ spectroelectrochemical properties. *Synthetic Metals*, **2020**, 262, 116331	3.6	8
25	Insight into the effects of the donors and pi-spacers on the photovoltaic performance of quinoline and pyridocarbazole based DSSCs. *Optical Materials*, **2020**, 106, 109974	3.3	7
24	Novel approach with polyfluorene/polydisulfide copolymer binder for high-capacity silicon anode in lithium-ion batteries. *Journal of Applied Polymer Science*, **2020**, 137, 48303	2.9	7
23	Exploring of antioxidant and antibacterial properties of novel 1,3,4-thiadiazole derivatives: Facile synthesis, structural elucidation and DFT approach to antioxidant characteristics.. *Computational Biology and Chemistry*, **2021**, 96, 107618	3.6	6
22	Comparative Electrochemistry and Electrochromic Application of Novel Binuclear Double-Decker Rare Earth Metal Phthalocyanines Bearing 4-(hydroxyethyl)phenoxy Moieties. *Journal of the Electrochemical Society*, **2019**, 166, H438-H451	3.9	5
21	Phthalocyanine complexes with (4-isopropylbenzyl)oxy substituents: preparation and evaluation of anti-carbonic anhydrase, anticholinesterase enzymes and molecular docking studies. *Journal of Biomolecular Structure and Dynamics*, **2020**, 1-9	3.6	5
20	Biologically active phthalocyanine metal complexes: Preparation, evaluation of glycosidase and anticholinesterase enzyme inhibition activities, and molecular docking studies. *Journal of Biochemical and Molecular Toxicology*, **2021**, 35, 1-9	3.4	5
19	Dye-sensitized solar cells based on zinc(II) phthalocyanines bearing 3-pyridin-3-ylpropoxy anchoring groups. *Applied Organometallic Chemistry*, **2021**, 35,	3.1	5
18	Phthalocyanines with bromobenzenesulfanyl substituents at non-peripheral position: Preparation, photophysical and photochemical properties. *Journal of Porphyrins and Phthalocyanines*, **2019**, 23, 821-827	1.8	4
17	A new series of asymmetric bis-isatin derivatives containing urea/thiourea moiety: Preparation, spectroscopic elucidation, antioxidant properties and theoretical calculations. *Journal of Molecular Structure*, **2021**, 1239, 130495	3.4	4
16	Preparation, antioxidant activity, and theoretical studies on the relationship between antioxidant and electronic properties of bis(thio/carbohydrazone) derivatives. *Journal of Physics and Chemistry of Solids*, **2022**, 164, 110618	3.9	3
15	Preparation and investigation of aggregation, fluorescence and singlet oxygen generation properties of gallium and metal-free phthalocyanines. *Journal of the Turkish Chemical Society, Section A: Chemistry*,1051-1060	0.5	3

14	Assessment of in vitro Cytotoxic, iNOS, Antioxidant and Photodynamic Antimicrobial Activities of Water-soluble Sulfonated Phthalocyanines. *Photochemistry and Photobiology*, **2021**,	3.6	3
13	Insight into the effects of the anchoring groups on the photovoltaic performance of unsymmetrical phthalocyanine based dye-sensitized solar cells. *Dalton Transactions*, **2021**, 50, 2981-2996	4.3	3
12	Axially phenoxy-derivative disubstituted phthalocyanine: synthesis, characterization and photophysical properties. *Research on Chemical Intermediates*, **2018**, 44, 6197-6217	2.8	3
11	Non-aggregating zinc phthalocyanine sensitizer with bulky diphenylphenoxy donor groups and pyrazole-3-carboxylic acid anchoring group for coadsorbent-free dye-sensitized solar cells. *Solar Energy*, **2021**, 226, 173-179	6.8	3
10	A versatile, divergent route for the synthesis of ABAC tetraazaporphyrins: molecularly engineered, push–pull phthalocyanine-type dyes. *Journal of Materials Chemistry C*, **2021**, 9, 10802-10810	7.1	2
9	Ultrasound versus Light: Exploring Photophysicochemical and Sonochemical Properties of Phthalocyanine-Based Therapeutics, Theoretical Study, and In Vitro Evaluations.. *ACS Applied Bio Materials*, **2022**,	4.1	2
8	Determination of biological studies and molecular docking calculations of isatin-thiosemicarbazone hybrid compounds. *Journal of Molecular Structure*, **2022**, 1264, 133249	3.4	2
7	Evaluation of carbonic anhydrase and paraoxonase inhibition activities and molecular docking studies of highly water-soluble sulfonated phthalocyanines. *Turkish Journal of Chemistry*, **2020**, 44, 1565-1573	1	1
6	Dye-sensitized solar cells using silicon phthalocyanine photosensitizers with pyridine anchor: Preparation, evaluation of photophysical, electrochemical, and photovoltaic properties. *Applied Organometallic Chemistry*, **2021**, 35, e6214	3.1	1
5	Plasmon-enhanced dye-sensitized solar cells through porphyrin-silver nanoparticle hybrid structures: Experimental and computational studies. *Journal of Power Sources*, **2021**, 511, 230407	8.9	1
4	Synthesis, in vitro inhibition effect of novel phthalocyanine complexes as carbonic anhydrase and paraoxonase enzyme inhibitors. *Journal of Porphyrins and Phthalocyanines*, **2020**, 24, 1047-1053	1.8	0
3	4,5-Diazafluorene ligands and their ruthenium(II) complexes with boronic acid and catechol anchoring groups: design, synthesis and dye-sensitized solar cell applications. *Journal of Coordination Chemistry*, **2021**, 74, 1366-1381	1.6	0
2	Potential thiosemicarbazone-based enzyme inhibitors: Assessment of antiproliferative activity, metabolic enzyme inhibition properties, and molecular docking calculations.. *Journal of Biochemical and Molecular Toxicology*, **2022**, e23018	3.4	0
1	Phthalocyanines with bromobenzenesulfanyl substituents at non-peripheral position: Preparation, photophysical and photochemical properties **2021**, 630-636		