

Emre Gzel

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

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	Preparation, antioxidant activity, and theoretical studies on the relationship between antioxidant and electronic properties of bis(thio/carbohydrazone) derivatives. <i>Journal of Physics and Chemistry of Solids</i> , 2022 , 164, 110618	3.9	3
48	Potential thiosemicarbazone-based enzyme inhibitors: Assessment of antiproliferative activity, metabolic enzyme inhibition properties, and molecular docking calculations.. <i>Journal of Biochemical and Molecular Toxicology</i> , 2022 , e23018	3.4	0
47	Ultrasound versus Light: Exploring Photophysicochemical and Sonochemical Properties of Phthalocyanine-Based Therapeutics, Theoretical Study, and In Vitro Evaluations.. <i>ACS Applied Bio Materials</i> , 2022 ,	4.1	2
46	Determination of biological studies and molecular docking calculations of isatin-thiosemicarbazone hybrid compounds. <i>Journal of Molecular Structure</i> , 2022 , 1264, 133249	3.4	2
45	Assessment of in Vitro Cytotoxic, iNOS, Antioxidant and Photodynamic Antimicrobial Activities of Water-soluble Sulfonated Phthalocyanines. <i>Photochemistry and Photobiology</i> , 2021 ,	3.6	3
44	Exploring of antioxidant and antibacterial properties of novel 1,3,4-thiadiazole derivatives: Facile synthesis, structural elucidation and DFT approach to antioxidant characteristics.. <i>Computational Biology and Chemistry</i> , 2021 , 96, 107618	3.6	6
43	Biologically active phthalocyanine metal complexes: Preparation, evaluation of α -glycosidase and anticholinesterase enzyme inhibition activities, and molecular docking studies. <i>Journal of Biochemical and Molecular Toxicology</i> , 2021 , 35, 1-9	3.4	5
42	4,5-Diazafluorene ligands and their ruthenium(II) complexes with boronic acid and catechol anchoring groups: design, synthesis and dye-sensitized solar cell applications. <i>Journal of Coordination Chemistry</i> , 2021 , 74, 1366-1381	1.6	0
41	Dye-sensitized solar cells based on zinc(II) phthalocyanines bearing 3-pyridin-3-ylpropoxy anchoring groups. <i>Applied Organometallic Chemistry</i> , 2021 , 35,	3.1	5
40	A versatile, divergent route for the synthesis of ABAC tetraazaporphyrins: molecularly engineered, push-pull phthalocyanine-type dyes. <i>Journal of Materials Chemistry C</i> , 2021 , 9, 10802-10810	7.1	2
39	Insight into the effects of the anchoring groups on the photovoltaic performance of unsymmetrical phthalocyanine based dye-sensitized solar cells. <i>Dalton Transactions</i> , 2021 , 50, 2981-2996	4.3	3
38	Phthalocyanines with bromobenzenesulfanyl substituents at non-peripheral position: Preparation, photophysical and photochemical properties 2021 , 630-636		
37	Dye-sensitized solar cells using silicon phthalocyanine photosensitizers with pyridine anchor: Preparation, evaluation of photophysical, electrochemical, and photovoltaic properties. <i>Applied Organometallic Chemistry</i> , 2021 , 35, e6214	3.1	1
36	Non-aggregating zinc phthalocyanine sensitizer with bulky diphenylphenoxy donor groups and pyrazole-3-carboxylic acid anchoring group for coadsorbent-free dye-sensitized solar cells. <i>Solar Energy</i> , 2021 , 226, 173-179	6.8	3
35	A new series of asymmetric bis-isatin derivatives containing urea/thiourea moiety: Preparation, spectroscopic elucidation, antioxidant properties and theoretical calculations. <i>Journal of Molecular Structure</i> , 2021 , 1239, 130495	3.4	4
34	Plasmon-enhanced dye-sensitized solar cells through porphyrin-silver nanoparticle hybrid structures: Experimental and computational studies. <i>Journal of Power Sources</i> , 2021 , 511, 230407	8.9	1
33	1,2,3-Triazole substituted phthalocyanine metal complexes as potential inhibitors for anticholinesterase and antidiabetic enzymes with molecular docking studies. <i>Journal of Biomolecular Structure and Dynamics</i> , 2020 , 1-11	3.6	11

32	Insight into the effects of the donors and pi-spacers on the photovoltaic performance of quinoline and pyridocarbazole based DSSCs. <i>Optical Materials</i> , 2020 , 106, 109974	3.3	7
31	Low symmetry solitaire- and trans-functional porphyrazine/phthalocyanine hybrid complexes: Synthesis, isolation, characterization, and electrochemical and in-situ spectroelectrochemical properties. <i>Synthetic Metals</i> , 2020 , 262, 116331	3.6	8
30	Synthesis, in vitro inhibition effect of novel phthalocyanine complexes as carbonic anhydrase and paraoxonase enzyme inhibitors. <i>Journal of Porphyrins and Phthalocyanines</i> , 2020 , 24, 1047-1053	1.8	0
29	Evaluation of carbonic anhydrase and paraoxonase inhibition activities and molecular docking studies of highly water-soluble sulfonated phthalocyanines. <i>Turkish Journal of Chemistry</i> , 2020 , 44, 1565 ¹ 1573 ¹		
28	Phthalocyanines including 2-mercaptobenzimidazole analogs: Synthesis, spectroscopic characteristics, quantum-chemical studies on the relationship between electronic and antioxidant properties. <i>Journal of Molecular Structure</i> , 2020 , 1202, 127259	3.4	9
27	Phthalocyanine complexes with (4-isopropylbenzyl)oxy substituents: preparation and evaluation of anti-carbonic anhydrase, anticholinesterase enzymes and molecular docking studies. <i>Journal of Biomolecular Structure and Dynamics</i> , 2020 , 1-9	3.6	5
26	Novel approach with polyfluorene/polydisulfide copolymer binder for high-capacity silicon anode in lithium-ion batteries. <i>Journal of Applied Polymer Science</i> , 2020 , 137, 48303	2.9	7
25	Effect of new asymmetrical Zn(II) phthalocyanines on the photovoltaic performance of a dye-sensitized solar cell. <i>New Journal of Chemistry</i> , 2019 , 43, 14390-14401	3.6	20
24	Unsymmetrically pyrazole-3-carboxylic acid substituted phthalocyanine-based photoanodes for use in water splitting photoelectrochemical and dye-sensitized solar cells. <i>Solar Energy</i> , 2019 , 191, 654-662	6.8	19
23	Role of hexyloxy groups in zinc phthalocyanines bearing sulfonic acid anchoring groups for dye-sensitized solar cells. <i>Journal of Porphyrins and Phthalocyanines</i> , 2019 , 23, 279-286	1.8	13
22	Novel D- π A organic dyes for DSSCs based on dibenzo[b,h][1,6]naphthyridine as a π -bridge. <i>Dyes and Pigments</i> , 2019 , 164, 188-197	4.6	18
21	Comparative Electrochemistry and Electrochromic Application of Novel Binuclear Double-Decker Rare Earth Metal Phthalocyanines Bearing 4-(hydroxyethyl)phenoxy Moieties. <i>Journal of the Electrochemical Society</i> , 2019 , 166, H438-H451	3.9	5
20	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.. <i>RSC Advances</i> , 2019 , 9, 10854-10864	3.7	18
19	Phthalocyanines with bromobenzenesulfanyl substituents at non-peripheral position: Preparation, photophysical and photochemical properties. <i>Journal of Porphyrins and Phthalocyanines</i> , 2019 , 23, 821-827 ^{1,8}		4
18	Aminopyrazole-substituted metallophthalocyanines: Preparation, aggregation behavior, and investigation of metabolic enzymes inhibition properties. <i>Archiv Der Pharmazie</i> , 2019 , 352, e1800292	4.3	24
17	Synthesis of tetra-substituted metallophthalocyanines: Spectral, structural, computational studies and investigation of their photophysical and photochemical properties. <i>Polyhedron</i> , 2019 , 158, 316-324	2.7	21
16	High Photosensitized Singlet Oxygen Generating Zinc and Chloroindium Phthalocyanines Bearing (4-isopropylbenzyl)oxy Groups as Potential Agents for Photophysicschemical Applications. <i>ChemistrySelect</i> , 2019 , 4, 515-520	1.8	11
15	Thiochalcone substituted phthalocyanines for dye-sensitized solar cells: Relation of optical and electrochemical properties for cell performance. <i>Journal of Coordination Chemistry</i> , 2018 , 71, 1606-1622 ^{1.6}		9

14	Comparative studies of photophysical and electrochemical properties of sulfur-containing substituted metal-free and metallophthalocyanines. <i>Research on Chemical Intermediates</i> , 2018 , 44, 971-989	2.8	15
13	Photovoltaic performance and photostability of anthocyanins, isoquinoline alkaloids and betalains as natural sensitizers for DSSCs. <i>Solar Energy</i> , 2018 , 173, 34-41	6.8	36
12	Pyrazole-3-carboxylic acid as a new anchoring group for phthalocyanine-sensitized solar cells. <i>Solar Energy</i> , 2018 , 174, 527-536	6.8	26
11	Zinc and chloroindium complexes of furan-2-ylmethoxy substituted phthalocyanines: Preparation and investigation of aggregation, singlet oxygen generation, antioxidant and antimicrobial properties. <i>Synthetic Metals</i> , 2018 , 245, 127-134	3.6	31
10	Axially phenoxy-derivative disubstituted phthalocyanine: synthesis, characterization and photophysical properties. <i>Research on Chemical Intermediates</i> , 2018 , 44, 6197-6217	2.8	3
9	Anionic water-soluble sulfonated phthalocyanines: microwave-assisted synthesis, aggregation behaviours, electrochemical and in-situ spectroelectrochemical characterisation. <i>Supramolecular Chemistry</i> , 2017 , 29, 536-546	1.8	26
8	Synthesis and photophysicochemical properties of novel thiadiazole-substituted zinc (II), gallium (III) and silicon (IV) phthalocyanines for photodynamic therapy. <i>Inorganica Chimica Acta</i> , 2017 , 467, 169-176	2.7	41
7	Synthesis and investigation of photophysicochemical properties of novel ketone-substituted gallium (III) and indium (III) phthalocyanines with high singlet oxygen yield for photodynamic therapy. <i>Journal of Luminescence</i> , 2017 , 192, 888-892	3.8	36
6	Synthesis of non-peripheral thioanisole-substituted phthalocyanines: Photophysical, electrochemical, photovoltaic, and sensing properties. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2017 , 348, 57-67	4.7	26
5	Novel sulfonated hydrophilic indium(III) and gallium(III) phthalocyanine photosensitizers: preparation and investigation of photophysicochemical properties. <i>Journal of Coordination Chemistry</i> , 2017 , 70, 2659-2670	1.6	32
4	Microwave-assisted synthesis, electrochemistry and spectroelectrochemistry of amphiphilic phthalocyanines. <i>Synthetic Metals</i> , 2015 , 199, 372-380	3.6	24
3	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. <i>Dyes and Pigments</i> , 2015 , 113, 416-425	4.6	15
2	Synthesis, characterization and photodynamic activity of a new amphiphilic zinc phthalocyanine. <i>Dyes and Pigments</i> , 2013 , 97, 238-243	4.6	74
1	Preparation and investigation of aggregation, fluorescence and singlet oxygen generation properties of gallium and metal-free phthalocyanines. <i>Journal of the Turkish Chemical Society, Section A: Chemistry</i> , 2013 , 1051-1060	0.5	3