

Ahmet T Bilgili

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.

53 papers	745 citations	17 h-index	23 g-index
54 ext. papers	872 ext. citations	3 avg, IF	4.46 L-index

#	Paper	IF	Citations
53	Cytotoxicity effects and biochemical investigation of novel tetrakis-phthalocyanines bearing 2-thiocytosine moieties with molecular docking studies. <i>Inorganic Chemistry Communication</i> , 2022 , 138, 109263	3.1	3
52	Alkyl chain modified metalophthalocyanines with enhanced antioxidant-antimicrobial properties by doping Ag ⁺ and Pd ²⁺ ions. <i>Journal of Molecular Structure</i> , 2022 , 1257, 132634	3.4	1
51	Novel tetrakis-phthalocyanines bearing pyrimidine derivative: crystal XRD analysis, enzyme inhibition, molecular docking, and anticancer effects. <i>Journal of Biomolecular Structure and Dynamics</i> , 2021 , 1-14	3.6	0
50	Tetra-substituted phthalocyanines bearing thiazolidine derivatives: synthesis, anticancer activity on different cancer cell lines, and molecular docking studies. <i>Dalton Transactions</i> , 2021 , 50, 15778-15792	4.3	1
49	Synthesis of (4R)-2-(3-hydroxyphenyl)thiazolidine-4-carboxylic acid substituted phthalocyanines: Anticancer activity on different cancer cell lines and molecular docking studies. <i>Applied Organometallic Chemistry</i> , 2021 , 35, e6242	3.1	2
48	Synthesis, characterization and investigation of algal oxidative effects of water-soluble copper phthalocyanine containing sulfonate groups. <i>Journal of Biological Inorganic Chemistry</i> , 2021 , 26, 355-365	3.7	
47	Octa-substituted Zinc(II), Cu(II), and Co(II) phthalocyanines with 1-(4-hydroxyphenyl)propane-1-one: Synthesis, sensitive protonation behaviors, Ag(I) induced H-type aggregation properties, antibacterial antioxidant activity, and molecular docking studies. <i>Applied Organometallic Chemistry</i> , 2021 , 35, e6202	3.1	0
46	Substituted phthalocyanines based on metal-induced H- or J-type aggregation for silver and palladium ions: synthesis, fluorescence, and antimicrobial and antioxidant properties. <i>Dalton Transactions</i> , 2021 , 50, 3224-3239	4.3	8
45	Synthesis of water-soluble phthalocyanines containing 1-methyl-1H-imidazole-2-thiol: Investigation of DNA nuclease, α -glucosidase inhibitory, and photo-physicochemical properties. <i>Applied Organometallic Chemistry</i> , 2021 , 35, e6202	3.1	1
44	Novel potential metabolic enzymes inhibitor, photosensitizer and antibacterial agents based on water-soluble phthalocyanine bearing imidazole derivative. <i>Journal of Molecular Structure</i> , 2021 , 1237, 130402	3.4	8
43	Turn-on fluorescent probe for Zn ²⁺ ions based on thiazolidine derivative. <i>Applied Organometallic Chemistry</i> , 2020 , 34, e5624	3.1	12
42	Synthesis, characterization, photo-physicochemical and biological properties of water-soluble tetra-substituted phthalocyanines: Antidiabetic, anticancer and anticholinergic potentials. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2020 , 396, 112511	4.7	14
41	Comparison of novel tetra-substituted phthalocyanines with their quaternized derivatives: Antioxidant and antibacterial properties. <i>Synthetic Metals</i> , 2020 , 260, 116288	3.6	15
40	Optoelectronic parameters of peripherally tetra-substituted copper(II) phthalocyanines and fabrication of a photoconductive diode for various conditions. <i>New Journal of Chemistry</i> , 2020 , 44, 369-380	3.6	13
39	The new ball-type zinc phthalocyanine with S S bridge; Synthesis, computational and photophysicochemical properties. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2020 , 389, 112287	4.7	12
38	The use of water-soluble phthalocyanines as textile dyes in nylon/elastane fabric: fastness and antibacterial effectiveness. <i>Turkish Journal of Chemistry</i> , 2020 , 44, 923-931	1	0
37	The Water-Soluble Peripheral Substituted Phthalocyanines as Corrosion Inhibitors for Copper in 0.1 N HCl: Gravimetric, Electrochemical, SEM-EDS, and Quantum Chemical Calculations. <i>Protection of Metals and Physical Chemistry of Surfaces</i> , 2020 , 56, 609-618	0.9	6

36	Novel biologically active metallophthalocyanines as promising antioxidant-antibacterial agents: Synthesis, characterization and computational properties. <i>Journal of Molecular Structure</i> , 2020 , 1200, 127127	3.4	26
35	Synthesis of water soluble tetra-substituted phthalocyanines: Investigation of DNA cleavage, cytotoxic effects and metabolic enzymes inhibition. <i>Journal of Molecular Structure</i> , 2020 , 1214, 128210	3.4	20
34	Synthesis of non-peripherally tetra-substituted copper(ii) phthalocyanines: characterization, optical and surface properties, fabrication and photo-electrical properties of a photosensitive diode. <i>Dalton Transactions</i> , 2019 , 48, 14839-14852	4.3	13
33	Antioxidant properties of water-soluble phthalocyanines containing quinoline5-sulfonic acid groups. <i>Turkish Journal of Chemistry</i> , 2019 , 43, 1030-1039	1	8
32	Comparison of spectroscopic, electronic, theoretical, optical and surface morphological properties of functional manganese(III) phthalocyanine compounds for various conditions. <i>Journal of Molecular Structure</i> , 2019 , 1193, 247-264	3.4	11
31	Synthesis of tetra-substituted phthalocyanines bearing 2-(ethyl(m-tolyl)amino)ethanol: Computational and photophysicochemical studies. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2019 , 373, 77-86	4.7	23
30	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
29	Selective chemosensor phthalocyanines for Pd ²⁺ ions; synthesis, characterization, quantum chemical calculation, photochemical and photophysical properties. <i>Journal of Molecular Structure</i> , 2019 , 1180, 127-138	3.4	19
28	Peripherally and non-peripherally tetra-HBME (4-hydroxybenzyl methyl ether) substituted metal-free and zinc(II) phthalocyanines: Synthesis, characterization, and investigation of photophysical and photochemical properties. <i>Inorganica Chimica Acta</i> , 2018 , 477, 199-205	2.7	15
27	Synthesis, characterization, and optical and surface properties of (4-(trifluoromethylthio)phenoxy) copper(II) phthalocyanine. <i>New Journal of Chemistry</i> , 2018 , 42, 6013-6022	3.6	9
26	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
25	Synthesis, characterization, antioxidant and antibacterial properties of non-peripherally and peripherally tetra-substituted phthalocyanines. <i>Journal of Coordination Chemistry</i> , 2018 , 71, 3077-3089	1.6	17
24	Axially phenoxy-derivative disubstituted phthalocyanine: synthesis, characterization and photophysical properties. <i>Research on Chemical Intermediates</i> , 2018 , 44, 6197-6217	2.8	3
23	The effects of a water-soluble alpha tetra-substituted zinc phthalocyanine derivative on <i>Arthrospira platensis</i> -M2 strain. <i>Journal of Porphyrins and Phthalocyanines</i> , 2018 , 22, 686-692	1.8	4
22	Formation, characterization, aggregation, fluorescence and antioxidant properties of novel tetrasubstituted metal-free and metallophthalocyanines bearing (4-(methylthio)phenoxy) moieties. <i>Journal of Molecular Structure</i> , 2017 , 1144, 66-79	3.4	21
21	Synthesis, characterization, aggregation, fluorescence and antioxidant properties of bearing (4-(methylthio)phenylthio) tetra substituted phthalocyanines. <i>Inorganica Chimica Acta</i> , 2017 , 464, 1-10	2.7	31
20	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
19	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

18	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
17	Novel type ketone-substituted metallophthalocyanines: synthesis, spectral, structural, computational and anticancer studies. <i>RSC Advances</i> , 2017 , 7, 56296-56305	3.7	19
16	Synthesis, photophysical and electrochemical properties of water-soluble phthalocyanines bearing 8-hydroxyquinoline-5-sulfonic acid derivatives. <i>Journal of Luminescence</i> , 2016 , 176, 387-396	3.8	16
15	Highly soluble tetrasubstituted lanthanide bis-phthalocyanines; synthesis, characterization, electrical properties and aggregation studies. <i>Journal of Porphyrins and Phthalocyanines</i> , 2016 , 20, 1065-1074	1.8	3
14	Metal ion sensing soluble boron tetrasubstituted gallium and indium phthalocyanines: Synthesis, characterization, photochemistry and aggregation behaviors. <i>Polyhedron</i> , 2015 , 100, 1-9	2.7	14
13	Water soluble quarternizable gallium and indium phthalocyanines bearing quinoline 5-sulfonic acid: Synthesis, aggregation, photophysical and electrochemical studies. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2015 , 310, 155-164	4.7	13
12	Double-decker sensor phthalocyanines functionalized with 1-hydroxyhexane-3-ylthio moieties; synthesis, characterization, electrical properties and H- or J- type aggregation studies. <i>Journal of Organometallic Chemistry</i> , 2015 , 785, 112-121	2.3	12
11	Boron substituted functional phthalocyanines bearing thiophen-3-ylmethanol substituents: synthesis, characterization, aggregation behavior and antioxidant activity. <i>Journal of Coordination Chemistry</i> , 2015 , 68, 4102-4116	1.6	18
10	Novel metal(III) and metal free soft phthalocyanine metal ion sensors bearing (1-hydroxyhexan-3-ylthio)-substituents: Synthesis, characterization, aggregation behavior. <i>Polyhedron</i> , 2015 , 85, 857-863	2.7	12
9	Highly soluble tetra lauryl alcohol substituted phthalocyanines; synthesis, electrochemistry, spectroelectrochemistry. <i>Journal of Coordination Chemistry</i> , 2015 , 68, 350-366	1.6	5
8	Nonperipheral tetra phthalocyanines bearing alkyl chain moiety; Synthesis, characterization and fabrication of the OFET based on phthalocyanine. <i>Synthetic Metals</i> , 2015 , 206, 33-41	3.6	7
7	Ag(I) and Pd(II) sensing, H- or J-aggregation and redox properties of metal-free, manganese(III) and gallium(III) phthalocyanines. <i>Dyes and Pigments</i> , 2014 , 102, 169-179	4.6	27
6	Optical dispersion parameters based on single-oscillator model and optical absorption of nanocrystalline metal phthalocyanine films: A comparison study. <i>Superlattices and Microstructures</i> , 2013 , 60, 83-100	2.8	15
5	Acridine-derived receptor for selective mercury binding based on chelation-enhanced fluorescence effect. <i>Journal of Luminescence</i> , 2012 , 132, 2736-2740	3.8	23
4	Highly selective thioalcohol modified phthalocyanine sensors for Ag(I) and Pd(II) based on target induced J- and H-type aggregations: synthesis, electrochemistry and peripheral metal ion binding studies. <i>Dalton Transactions</i> , 2012 , 41, 7047-56	4.3	37
3	Metal ion sensing functional mono and double-decker lanthanide phthalocyanines: Synthesis, characterization and electrical properties. <i>Synthetic Metals</i> , 2010 , 160, 52-60	3.6	33
2	H-type aggregation of functional metal ion sensing phthalocyanines: Synthesis, characterization and electrochemistry. <i>Polyhedron</i> , 2010 , 29, 2498-2510	2.7	25
1	Tetrakis-phthalocyanines bearing electron-withdrawing fluoro functionality: Synthesis, spectroscopy, and electrochemistry. <i>Heteroatom Chemistry</i> , 2009 , 20, 262-271	1.2	11

