

Yunus Zorlu

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.

103
papers

1,624
citations

23
h-index

34
g-index

118
ext. papers

1,910
ext. citations

3.7
avg, IF

5
L-index

#	Paper	IF	Citations
103	Dimethoxyindoles based thiosemicarbazones as multi-target agents; synthesis, crystal interactions, biological activity and molecular modeling.. <i>Bioorganic Chemistry</i> , 2022 , 120, 105647	5.1	0
102	New Pd(II) complexes of the bithiocarbohydrazones derived from isatin and disubstituted salicylaldehydes: Synthesis, characterization, crystal structures and inhibitory properties against some metabolic enzymes.. <i>Journal of Biological Inorganic Chemistry</i> , 2022 , 27, 271	3.7	4
101	Coordination-induced band gap reduction in a metal-organic framework. <i>Chemistry - A European Journal</i> , 2021 , e202104041	4.8	
100	Manganese(II), cobalt(II) and nickel(II) complexes constructed from a pyridyloxy-functionalized hexapodal cyclophosphazene ligand: Structural and magnetic studies. <i>Polyhedron</i> , 2021 , 211, 115557	2.7	
99	A potent drug candidature of Cu(II) pyrazino[2,3-f][1,10]phenanthroline complexes with bioactive ligands: synthesis, crystal structures, biomolecular interactions, radical scavenging and cytotoxicities. <i>Journal of Biomolecular Structure and Dynamics</i> , 2021 , 39, 7194-7212	3.6	1
98	Cu(II) complex with auxin (3-indoleacetic acid) and an aromatic planar ligand: synthesis, crystal structure, biomolecular interactions and radical scavenging activity. <i>European Biophysics Journal</i> , 2021 , 50, 771-785	1.9	2
97	Biomacromolecular interactions and radical scavenging activities of one-dimensional (1D) copper(II) glycinate coordination polymer. <i>Journal of the Iranian Chemical Society</i> , 2021 , 18, 3017	2	
96	NOO-type tridentate Schiff base ligand and its one-dimensional Cu(II) coordination polymer: Synthesis, crystal structure, biomacromolecular interactions and radical scavenging activities. <i>Inorganica Chimica Acta</i> , 2021 , 514, 119994	2.7	2
95	Investigation on water soluble copper(II) mono-anionic glutamate complexes with planar aromatic ligands: synthesis, crystal structures, biomacromolecular interactions and radical scavenging activities. <i>Journal of Molecular Structure</i> , 2021 , 1225, 129099	3.4	
94	Carbon (sp ³) tetrel bonding mediated BODIPY supramolecular assembly via unprecedented synergy of Csp ³ ?N and Csp ³ ?F pair interactions. <i>CrystEngComm</i> , 2021 , 23, 268-272	3.3	4
93	3-Methylindole-substituted zinc phthalocyanines for photodynamic cancer therapy 2021 , 318-326		
92	Arylphosphonate-Tethered Porphyrins: Fluorescence Silencing Speaks a Metal Language in Living Enterocytes*. <i>ChemBioChem</i> , 2021 , 22, 1925-1931	3.8	3
91	Porphyrin-based covalent organic polymer by inverse electron demand Diels-Alder reaction. <i>European Polymer Journal</i> , 2021 , 157, 110664	5.2	1
90	Synthesis, crystal structure and electronic applications of monocarboxylic acid substituted phthalonitrile derivatives combined with DFT studies. <i>Journal of Molecular Structure</i> , 2021 , 1240, 130545 ³⁻⁴	3.4	1
89	Synthesis, X-ray crystal structure, IR and Raman spectroscopic analysis, quantum chemical computational and molecular docking studies on hydrazone-pyridine compound: As an insight into the inhibitor capacity of main protease of SARS-CoV2. <i>Journal of Molecular Structure</i> , 2021 , 1239, 130514	3.4	4
88	Template-Directed Photochemical Homodimerization and Heterodimerization Reactions of Cinnamic Acids. <i>Journal of Organic Chemistry</i> , 2021 , 86, 13118-13128	4.2	2
87	Modulation of supramolecular self-assembly of BODIPY tectons via halogen bonding. <i>CrystEngComm</i> , 2021 , 23, 6365-6375	3.3	0

86	Elucidating the role of non-covalent interactions in unexpectedly high and selective CO ₂ uptake and catalytic conversion of porphyrin-based ionic organic polymers. <i>Materials Advances</i> , 2021 , 2, 3685-3694	3.3	7
85	Halogen-Bonded BODIPY Frameworks with Tunable Optical Features*. <i>Chemistry - A European Journal</i> , 2021 , 27, 1603-1608	4.8	7
84	Semiconductive microporous hydrogen-bonded organophosphonic acid frameworks. <i>Nature Communications</i> , 2020 , 11, 3180	17.4	22
83	A Nanotubular Metal-Organic Framework with a Narrow Bandgap from Extended Conjugation*. <i>Chemistry - A European Journal</i> , 2020 , 26, 14813-14816	4.8	9
82	Probing Isoreticular Expansions in Phosphonate MOFs and their Applications. <i>European Journal of Inorganic Chemistry</i> , 2020 , 2020, 1542-1554	2.3	16
81	Electrophoresis and Biosensor-Based DNA Interaction Analysis of the First Paraben Derivatives of Spermine-Bridged Cyclotriphosphazenes. <i>Inorganic Chemistry</i> , 2020 , 59, 2288-2298	5.1	8
80	Fluorescent Arylphosphonic Acids: Synergic Interactions between Bone and the Fluorescent Core. <i>Chemistry - A European Journal</i> , 2020 , 26, 11129-11134	4.8	7
79	In Silico Investigation into H Uptake in MOFs: Combined Text/Data Mining and Structural Calculations. <i>Langmuir</i> , 2020 , 36, 119-129	4	5
78	Ligand effects on the dimensionality of cyclophosphazene-based mercury(II) coordination polymers: Structures, UV/Visible absorption and thermal properties. <i>Polyhedron</i> , 2020 , 192, 114823	2.7	5
77	Selective Turn-On Aluminium Ions Detection of NBD(+) Appended Schiff-Base Fluorophore. <i>ChemistrySelect</i> , 2020 , 5, 8086-8092	1.8	3
76	Engineering functionalized low LUMO [1]benzothieno[3,2-b][1]benzothiophenes (BTBTs): unusual molecular and charge transport properties. <i>Journal of Materials Chemistry C</i> , 2020 , 8, 15253-15267	7.1	6
75	Experimental and theoretical study of Pb ²⁺ S and Pb ²⁺ O ²⁻ hole interactions in the crystal structures of Pb(II) complexes. <i>CrystEngComm</i> , 2019 , 21, 6018-6025	3.3	9
74	A cobalt arylphosphonate MOF - superior stability, sorption and magnetism. <i>Chemical Communications</i> , 2019 , 55, 3053-3056	5.8	34
73	High Electron Mobility in [1]Benzothieno[3,2-b][1]benzothiophene-Based Field-Effect Transistors: Toward n-Type BTBTs. <i>Chemistry of Materials</i> , 2019 , 31, 5254-5263	9.6	37
72	Alkali Phosphonate Metal-Organic Frameworks. <i>Chemistry - A European Journal</i> , 2019 , 25, 11214-11217	4.8	10
71	A Solution-Processable meso-Phenyl-BODIPY-Based n-Channel Semiconductor with Enhanced Fluorescence Emission. <i>ChemPlusChem</i> , 2019 , 84, 1423-1431	2.8	10
70	Antiproliferative activity of copper(II) glutamine complexes with N,N-donor ligands: Synthesis, characterization, potentiometric studies and DNA/BSA interactions. <i>Journal of Molecular Structure</i> , 2019 , 1194, 245-255	3.4	14
69	Methyl substituent effect on one-dimensional copper(II) coordination polymers containing biologically active ligands: Synthesis, characterization, DNA interactions and cytotoxicities. <i>Applied Organometallic Chemistry</i> , 2019 , 33, e5122	3.1	12

68	Highly Efficient Deep-Blue Electroluminescence Based on a Solution-Processable A-ED-EA Oligo-(phenyleneethynylene) Small Molecule. <i>ACS Applied Materials & Interfaces</i> , 2019 , 11, 44474-44486	0.5	26
67	3-Methylindole-substituted zinc phthalocyanines for photodynamic cancer therapy. <i>Journal of Porphyrins and Phthalocyanines</i> , 2019 , 23, 1371-1379	1.8	9
66	Mercury(II) coordination polymers based on aniline-substituted tetra pyridyloxy cyclotriphosphazene: Syntheses, characterizations and UV-Vis absorption properties. <i>Polyhedron</i> , 2019 , 173, 114138	2.7	5
65	Synthesis, characterization and photophysical properties of cyclotriphosphazenes including heterocyclic rings. <i>Inorganica Chimica Acta</i> , 2019 , 498, 119120	2.7	7
64	Cu (II) tyrosinate complexes containing methyl substituted phenanthrolines: Synthesis, X-ray crystal structures, biomolecular interactions, antioxidant activity, ROS generation and cytotoxicity. <i>Applied Organometallic Chemistry</i> , 2019 , 33, e4652	3.1	19
63	New one-dimensional mercury(II) coordination polymers built up from dispiro-dipyridyloxy-cyclotriphosphazene: Structural, thermal and UV-Vis absorption properties. <i>Polyhedron</i> , 2019 , 161, 104-110	2.7	24
62	Interaction of a new copper(II) complex by bovine serum albumin and dipeptidyl peptidase-IV. <i>Journal of Molecular Structure</i> , 2019 , 1177, 317-322	3.4	13
61	Newly synthesized Cu(II) pyrazino[2,3-f][1,10]phenanthroline complexes as potential anticancer candidates. <i>Applied Organometallic Chemistry</i> , 2018 , 32, e4309	3.1	18
60	Mimicking cellular phospholipid bilayer packing creates predictable crystalline molecular metal-organophosphonate macrocycles and cages. <i>CrystEngComm</i> , 2018 , 20, 2152-2158	3.3	5
59	Halogen bonding driven crystal engineering of iodophthalonitrile derivatives. <i>CrystEngComm</i> , 2018 , 20, 3858-3867	3.3	8
58	Sulfanyl vs sulfonyl, 4,5- vs 3,6- position. How structural variations in phthalonitrile substitution affect their infra-red, crystallographic and Hirshfeld surface analyses. <i>Journal of Molecular Structure</i> , 2018 , 1155, 310-319	3.4	8
57	New binary copper(II) complexes containing intercalating ligands: DNA interactions, an unusual static quenching mechanism of BSA and cytotoxic activities. <i>Journal of Biomolecular Structure and Dynamics</i> , 2018 , 36, 3878-3901	3.6	12
56	Enantiopure cis- and trans-2-(2-Aminocyclohexyl)phenols: Effective Preparation, Solid-State Characterization, and Application in Asymmetric Organocatalysis. <i>European Journal of Organic Chemistry</i> , 2018 , 2018, 7017-7032	3.2	2
55	Experimental and theoretical studies of carbazole-based Schiff base as a fluorescent Fe ³⁺ probe. <i>Turkish Journal of Chemistry</i> , 2018 , 42,	1	2
54	Triisopropylsilylethynyl-substituted indenofluorenes: carbonyl versus dicyanovinylene functionalization in one-dimensional molecular crystals and solution-processed n-channel OFETs. <i>Organic Chemistry Frontiers</i> , 2018 , 5, 2912-2924	5.2	14
53	Metal-organic solids derived from arylphosphonic acids. <i>Coordination Chemistry Reviews</i> , 2018 , 369, 105-122	3.2	60
52	Effect of the Substitution Pattern (Peripheral vs Non-Peripheral) on the Spectroscopic, Electrochemical, and Magnetic Properties of Octahexylsulfanyl Copper Phthalocyanines. <i>Inorganic Chemistry</i> , 2018 , 57, 6456-6465	5.1	8
51	Group 12 metal coordination polymers built on a flexible hexakis(3-pyridyloxy)cyclotriphosphazene ligand: Effect of the central metal ions on the construction of coordination polymers. <i>Polyhedron</i> , 2017 , 127, 1-8	2.7	17

50	Characterization of paraben substituted cyclotriphosphazenes, and a DNA interaction study with a real-time electrochemical profiling based biosensor. <i>Mikrochimica Acta</i> , 2017 , 184, 2307-2315	5.8	15
49	Naphthalimide-cyclophosphazene combination: Synthesis, crystal structure, photophysics and solid-state fluorescence. <i>Journal of Luminescence</i> , 2017 , 190, 23-28	3.8	10
48	A new rod-shaped BODIPY-acetylene molecule for solution-processed semiconducting microribbons in n-channel organic field-effect transistors. <i>New Journal of Chemistry</i> , 2017 , 41, 6232-6240	3.6	19
47	A potential Cu/V-organophosphonate platform for tailored void spaces via terpyridine mold casting. <i>Acta Crystallographica Section B: Structural Science, Crystal Engineering and Materials</i> , 2017 , 73, 296-303	1.8	13
46	From Tetrahedral Tetraphosphonic Acids E[p-C ₆ H ₄ P(O)(OH) ₂] ₄ (E=C, Si) to Porous Cu- and Zn-MOFs with Large Surface Areas. <i>ChemistrySelect</i> , 2017 , 2, 3035-3038	1.8	16
45	Synthesis, crystal structure, stability studies, DNA/albumin interactions, and antimicrobial activities of two Cu(II) complexes with amino acids and 5-nitro-1,10-phenanthroline. <i>Journal of Coordination Chemistry</i> , 2017 , 70, 512-543	1.6	25
44	Copper(II) complexes with pyridine-2,6-dicarboxylic acid from the oxidation of copper(I) iodide. <i>Journal of Coordination Chemistry</i> , 2017 , 70, 3422-3433	1.6	3
43	Short Naphthalene Organophosphonate Linkers to Microporous Frameworks. <i>ChemistrySelect</i> , 2017 , 2, 7050-7053	1.8	6
42	A new Co(III) complex of Schiff base derivative for electrochemical recognition of nitrite anion. <i>Journal of Chemical Sciences</i> , 2017 , 129, 1559-1569	1.8	6
41	Synthesis and fluorescence properties of cyclophosphazenes containing thiazole or thiadiazole rings. <i>Polyhedron</i> , 2017 , 135, 296-302	2.7	9
40	Synthesis and crystal structures of novel copper(II) complexes with glycine and substituted phenanthrolines: reactivity towards DNA/BSA and in vitro cytotoxic and antimicrobial evaluation. <i>Journal of Biological Inorganic Chemistry</i> , 2017 , 22, 61-85	3.7	45
39	Rational Design of Two-Dimensional Bimetallic Wave Structures from Zigzag Chains via Site-Specific Coordination around the 2,6-Naphthalenediphosphonic Acid Motif. <i>European Journal of Inorganic Chemistry</i> , 2016 , 2016, 3506-3512	2.3	12
38	Antimicrobial activity of a quaternized BODIPY against Staphylococcus strains. <i>Organic and Biomolecular Chemistry</i> , 2016 , 14, 2665-70	3.9	23
37	A library of dimeric and trimeric phthalonitriles linked by a single aromatic ring: comparative structural and DFT investigations. <i>CrystEngComm</i> , 2016 , 18, 1416-1426	3.3	11
36	Design, synthesis, and characterization of μ -disubstituted indeno[1,2-b]fluorene-6,12-dione-thiophene molecular semiconductors. Enhancement of ambipolar charge transport through synthetic tailoring of alkyl substituents. <i>RSC Advances</i> , 2016 , 6, 212-226	3.7	32
35	Synthesis, crystal structure, spectroscopic characterization and nonlinear optical properties of manganese (II) complex of picolinate: A combined experimental and computational study. <i>Journal of Molecular Structure</i> , 2016 , 1106, 98-107	3.4	16
34	Solution-Processable BODIPY-Based Small Molecules for Semiconducting Microfibers in Organic Thin-Film Transistors. <i>ACS Applied Materials & Interfaces</i> , 2016 , 8, 14077-87	9.5	44
33	Silver(I) coordination polymers assembled from flexible cyclotriphosphazene ligand: structures, topologies and investigation of the counteranion effects. <i>Acta Crystallographica Section B: Structural Science, Crystal Engineering and Materials</i> , 2016 , 72, 344-56	1.8	18

32	Affinity of a new copper(II) complex to DNA/BSA and antioxidant/radical scavenging activities: crystal structure of [Cu(4,7-diphenyl-1,10-phenanthroline)(leucine)(NO ₃)(H ₂ O)]. <i>Journal of Coordination Chemistry</i> , 2016 , 69, 2677-2696	1.6	23
31	Fluorescent mono- and tetra-dansylated cavitands: synthesis and acid sensitivity. <i>Turkish Journal of Chemistry</i> , 2015 , 39, 207-216	1	0
30	The synthesis of an octasubstituted monohydroxylated phthalocyanine designed to investigate the effect of the presence of active moieties. <i>New Journal of Chemistry</i> , 2015 , 39, 3929-3935	3.6	5
29	Synthesis of Cu(II)-Organophosphonate Framework with Predefined Void Spaces. <i>Crystal Growth and Design</i> , 2015 , 15, 5665-5669	3.5	25
28	Synthesis, X-ray structure, spectroscopic characterization and nonlinear optical properties of triaqua(1,10-phenanthroline-2,9-dicarboxylato)manganese(II) dihydrate: A combined experimental and theoretical study. <i>Journal of Molecular Structure</i> , 2015 , 1100, 605-613	3.4	14
27	Tetrahedral Tetrakisphosphonic Acids. New Building Blocks in Supramolecular Chemistry. <i>Crystal Growth and Design</i> , 2015 , 15, 4925-4931	3.5	19
26	New water-soluble copper (II) complexes including 4,7-dimethyl-1,10-phenanthroline and L-tyrosine: synthesis, characterization, DNA interactions and cytotoxicities. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2015 , 136 Pt B, 761-70	4.4	29
25	Resorcinarene-mono-benzimidazolium salts as NHC ligands for Suzuki–Miyaura cross-couplings catalysts. <i>Turkish Journal of Chemistry</i> , 2015 , 39, 1300-1309	1	3
24	1,4,8,11,15,18,22,25-Alkylsulfanyl phthalocyanines: effect of macrocycle distortion on spectroscopic and packing properties. <i>Chemical Communications</i> , 2015 , 51, 6580-3	5.8	29
23	Macrocyclic Cu(II)-organophosphonate building block with room temperature magnetic ordering. <i>Dalton Transactions</i> , 2015 , 44, 12526-9	4.3	13
22	Binary and ternary new water soluble copper(II) complexes of L-tyrosine and substituted 1,10-phenanthrolines: effect of substitution on DNA interactions and cytotoxicities. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2015 , 145, 313-324	4.4	30
21	Optimized synthesis and crystal growth by sublimation of 1,3,3-trichloroisindolenines, key building blocks for crosswise phthalocyanines. <i>CrystEngComm</i> , 2014 , 16, 6556	3.3	1
20	Sulfonamide-substituted iron phthalocyanine: design, solubility range, stability and oxidation of olefins. <i>Dalton Transactions</i> , 2014 , 43, 17916-9	4.3	9
19	Design of a Gd-DOTA-phthalocyanine conjugate combining MRI contrast imaging and photosensitization properties as a potential molecular theranostic. <i>Photochemistry and Photobiology</i> , 2014 , 90, 1376-86	3.6	39
18	Dihydroxylated Alkylsulfanyl Phthalonitriles. <i>Journal of Chemical Crystallography</i> , 2014 , 44, 337-345	0.5	4
17	Improved photodynamic efficacy of Zn(II) phthalocyanines via glycerol substitution. <i>PLoS ONE</i> , 2014 , 9, e97894	3.7	37
16	Self assembly of sandwich-layered 2D silver(I) coordination polymers stabilized by argentophilic interactions: Synthesis, crystal structures and ab initio intramolecular energetics. <i>Journal of Molecular Structure</i> , 2014 , 1076, 629-638	3.4	6
15	Comparative structural analysis of 4,5- and 3,6-dialkylsulfanylphthalonitriles of different bulkiness. <i>Structural Chemistry</i> , 2013 , 24, 1027-1038	1.8	11

14	Synthesis and proton conductivity of azole-substituted cyclic and polymeric phosphazenes. <i>Polymer</i> , 2013 , 54, 2250-2256	3.9	24
13	A novel 1D silver(I) coordination polymer constructed from indol-3-butyric acid: Synthesis, crystal structure and natural bond orbital analysis by DFT. <i>Journal of Molecular Structure</i> , 2013 , 1037, 109-115	3.4	9
12	Monoglycoconjugated phthalocyanines: effect of sugar and linkage on photodynamic activity. <i>Photodiagnosis and Photodynamic Therapy</i> , 2013 , 10, 252-9	3.5	49
11	Phthalonitriles Functionalized for Click Chemistry. Design, Synthesis and Structural Characterization. <i>Journal of Chemical Crystallography</i> , 2013 , 43, 636-645	0.5	12
10	A novel 2D chiral silver(I) coordination polymer assembled from 5-sulfosalicylic acid and (2S,4R)-4-hydroxyproline: Synthesis, crystal structure, HOMO/LUMO and NBO analysis. <i>Journal of Molecular Structure</i> , 2013 , 1049, 368-376	3.4	12
9	4,5-, 3,6-, and 3,4,5,6-tert-Butylsulfanylphthalonitriles: synthesis and comparative structural and spectroscopic analyses. <i>Structural Chemistry</i> , 2012 , 23, 175-183	1.8	17
8	Light-triggered liposomal release: membrane permeabilization by photodynamic action. <i>Langmuir</i> , 2010 , 26, 5726-33	4	84
7	Comparative studies of photophysical and photochemical properties of solketal substituted platinum(II) and zinc(II) phthalocyanine sets. <i>Tetrahedron</i> , 2010 , 66, 3248-3258	2.4	129
6	Monoglycoconjugated water-soluble phthalocyanines. Design and synthesis of potential selectively targeting PDT photosensitisers. <i>Tetrahedron Letters</i> , 2010 , 51, 6615-6618	2	64
5	Octasolketal-substituted phthalocyanines: synthesis and systematic study of metal effect and substitution pattern on ¹³ C NMR. <i>Journal of Porphyrins and Phthalocyanines</i> , 2009 , 13, 760-768	1.8	15
4	Glycerol and galactose substituted zinc phthalocyanines. Synthesis and photodynamic activity. <i>Photochemical and Photobiological Sciences</i> , 2009 , 8, 312-8	4.2	66
3	A first ABAC phthalocyanine. <i>Journal of Porphyrins and Phthalocyanines</i> , 2009 , 13, 161-165	1.8	10
2	Synthesis and Characterization of Some Tetracyclic Spermine Derivatives of Cyclotriphosphazene: The First Examples of Dispiransa Derivatives. <i>Heterocycles</i> , 2008 , 75, 635	0.8	3
1	Electrically Conductive Photoluminescent Porphyrin Phosphonate Metal-Organic Frameworks. <i>Advanced Optical Materials</i> , 2200213	8.1	1