

Yunus Zorlu

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/8527092/publications.pdf>

Version: 2024-02-01

109
papers

2,221
citations

236833

25
h-index

289141

40
g-index

118
all docs

118
docs citations

118
times ranked

2573
citing authors

#	ARTICLE	IF	CITATIONS
1	Comparative studies of photophysical and photochemical properties of solketal substituted platinum(II) and zinc(II) phthalocyanine sets. <i>Tetrahedron</i> , 2010, 66, 3248-3258.	1.0	145
2	Light-Triggered Liposomal Release: Membrane Permeabilization by Photodynamic Action. <i>Langmuir</i> , 2010, 26, 5726-5733.	1.6	93
3	Metal-organic solids derived from arylphosphonic acids. <i>Coordination Chemistry Reviews</i> , 2018, 369, 105-122.	9.5	86
4	Glycerol and galactose substituted zinc phthalocyanines. Synthesis and photodynamic activity. <i>Photochemical and Photobiological Sciences</i> , 2009, 8, 312-318.	1.6	76
5	Monoglycoconjugated water-soluble phthalocyanines. Design and synthesis of potential selectively targeting PDT photosensitisers. <i>Tetrahedron Letters</i> , 2010, 51, 6615-6618.	0.7	73
6	Solution-Processable BODIPY-Based Small Molecules for Semiconducting Microfibers in Organic Thin-Film Transistors. <i>ACS Applied Materials & Interfaces</i> , 2016, 8, 14077-14087.	4.0	66
7	Monoglycoconjugated phthalocyanines: Effect of sugar and linkage on photodynamic activity. <i>Photodiagnosis and Photodynamic Therapy</i> , 2013, 10, 252-259.	1.3	56
8	High Electron Mobility in [1]Benzothieno[3,2- <i>b</i>][1]benzothiophene-Based Field-Effect Transistors: Toward n-Type BTBTs. <i>Chemistry of Materials</i> , 2019, 31, 5254-5263.	3.2	55
9	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.	1.1	52
10	A cobalt arylphosphonate MOF – superior stability, sorption and magnetism. <i>Chemical Communications</i> , 2019, 55, 3053-3056.	2.2	50
11	Semiconductive microporous hydrogen-bonded organophosphonic acid frameworks. <i>Nature Communications</i> , 2020, 11, 3180.	5.8	50
12	Improved Photodynamic Efficacy of Zn(II) Phthalocyanines via Glycerol Substitution. <i>PLoS ONE</i> , 2014, 9, e97894.	1.1	48
13	Highly Efficient Deep-Blue Electroluminescence Based on a Solution-Processable Amino-Substituted Oligo(<i>p</i> -phenyleneethynylene) Small Molecule. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 44474-44486.	4.0	47
14	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, 1376-1386.	1.3	43
15	Design, synthesis, and characterization of \pm , $\%$ -disubstituted indeno[1,2- <i>b</i>]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.	1.7	38
16	Antimicrobial activity of a quaternized BODIPY against Staphylococcus strains. <i>Organic and Biomolecular Chemistry</i> , 2016, 14, 2665-2670.	1.5	36
17	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, 6580-6583.	2.2	32
18	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, 761-770.	2.0	32

#	ARTICLE	IF	CITATIONS
19	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.	1.4	32
20	Probing Isoreticular Expansions in Phosphonate MOFs and their Applications. <i>European Journal of Inorganic Chemistry</i> , 2020, 2020, 1542-1554.	1.0	32
21	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.	2.0	31
22	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.	0.8	30
23	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, 271-281.	1.1	30
24	Synthesis and proton conductivity of azole-substituted cyclic and polymeric phosphazenes. <i>Polymer</i> , 2013, 54, 2250-2256.	1.8	29
25	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.	1.0	27
26	Synthesis of Cu(II)-Organophosphonate Framework with Predefined Void Spaces. <i>Crystal Growth and Design</i> , 2015, 15, 5665-5669.	1.4	26
27	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.	0.8	25
28	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.	1.7	25
29	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, 344-356.	0.5	24
30	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.	1.8	24
31	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.	1.0	24
32	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.	2.3	22
33	Tetrahedral Tetraphosphonic Acids. <i>New Building Blocks in Supramolecular Chemistry</i> . <i>Crystal Growth and Design</i> , 2015, 15, 4925-4931.	1.4	21
34	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.	1.8	21
35	Experimental and theoretical study of Pb ^S and Pb ^O f-hole interactions in the crystal structures of Pb(ⁱⁱ) complexes. <i>CrystEngComm</i> , 2019, 21, 6018-6025.	1.3	20
36	Alkali Phosphonate Metal-Organic Frameworks. <i>Chemistry - A European Journal</i> , 2019, 25, 11214-11217.	1.7	20

#	ARTICLE	IF	CITATIONS
37	From Tetrahedral Tetraphosphonic Acids $E[\text{P}(\text{O})(\text{OH})_2]_4$ (E=C, Si) to Porous Cu- and Zn-MOFs with Large Surface Areas. <i>ChemistrySelect</i> , 2017, 2, 3035-3038.	0.7	19
38	Newly synthesized Cu(II) pyrazino[2,3- ϵ][1,10]phenanthroline complexes as potential anticancer candidates. <i>Applied Organometallic Chemistry</i> , 2018, 32, e4309.	1.7	19
39	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.	1.0	18
40	Halogen bonding driven crystal engineering of iodophthalonitrile derivatives. <i>CrystEngComm</i> , 2018, 20, 3858-3867.	1.3	18
41	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.	1.7	18
42	A Nanotubular Metal-Organic Framework with a Narrow Bandgap from Extended Conjugation**. <i>Chemistry - A European Journal</i> , 2020, 26, 14813-14816.	1.7	18
43	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.	2.5	17
44	Halogen-Bonded BODIPY Frameworks with Tunable Optical Features**. <i>Chemistry - A European Journal</i> , 2021, 27, 1603-1608.	1.7	17
45	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.	1.8	16
46	Naphthalimide-cyclophosphazene combination: Synthesis, crystal structure, photophysics and solid-state fluorescence. <i>Journal of Luminescence</i> , 2017, 190, 23-28.	1.5	16
47	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.	1.8	16
48	Electrophoresis and Biosensor-Based DNA Interaction Analysis of the First Paraben Derivatives of Spermine-Bridged Cyclotriphosphazenes. <i>Inorganic Chemistry</i> , 2020, 59, 2288-2298.	1.9	16
49	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.	1.8	16
50	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.	0.4	15
51	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.	1.3	15
52	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.	0.5	15
53	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.	2.0	15
54	Dimethoxyindoles based thiosemicarbazones as multi-target agents; synthesis, crystal interactions, biological activity and molecular modeling. <i>Bioorganic Chemistry</i> , 2022, 120, 105647.	2.0	15

#	ARTICLE	IF	CITATIONS
55	Macrocyclic Cu(II)-organophosphonate building block with room temperature magnetic ordering. Dalton Transactions, 2015, 44, 12526-12529.	1.6	14
56	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. Journal of Molecular Structure, 2015, 1100, 605-613.	1.8	14
57	Rational Design of Two-Dimensional Bimetallic Wave Structures from Zigzag Chains via Site-Specific Coordination around the 2,6-Naphthalenediphosphonic Acid Motif. European Journal of Inorganic Chemistry, 2016, 2016, 3506-3512.	1.0	14
58	A Solution-Processable meso-Phenyl-BODIPY-Based n-Channel Semiconductor with Enhanced Fluorescence Emission. ChemPlusChem, 2019, 84, 1423-1431.	1.3	14
59	Phthalonitriles Functionalized for Click Chemistry. Design, Synthesis and Structural Characterization. Journal of Chemical Crystallography, 2013, 43, 636-645.	0.5	13
60	Synthesis and fluorescence properties of cyclophosphazenes containing thiazole or thiadiazole rings. Polyhedron, 2017, 135, 296-302.	1.0	13
61	Comparative structural analysis of 4,5- and 3,6-dialkylsulfanylphthalonitriles of different bulkiness. Structural Chemistry, 2013, 24, 1027-1038.	1.0	12
62	A new Co(III) complex of Schiff base derivative for electrochemical recognition of nitrite anion. Journal of Chemical Sciences, 2017, 129, 1559-1569.	0.7	12
63	Effect of the Substitution Pattern (Peripheral vs Non-Peripheral) on the Spectroscopic, Electrochemical, and Magnetic Properties of Octahexylsulfanyl Copper Phthalocyanines. Inorganic Chemistry, 2018, 57, 6456-6465.	1.9	12
64	A first ABAC phthalocyanine. Journal of Porphyrins and Phthalocyanines, 2009, 13, 161-165.	0.4	11
65	Engineering functionalized low LUMO [1]benzothieno[3,2-b][1]benzothiophenes (BTBTs): unusual molecular and charge transport properties. Journal of Materials Chemistry C, 2020, 8, 15253-15267.	2.7	11
66	Sulfonamide-substituted iron phthalocyanine: design, solubility range, stability and oxidation of olefins. Dalton Transactions, 2014, 43, 17916-17919.	1.6	10
67	Sulfanyl vs sulfonyl, 4,5- vs 3,6- position. How structural variations in phthalonitrile substitution affect their infra-red, crystallographic and Hirshfeld surface analyses. Journal of Molecular Structure, 2018, 1155, 310-319.	1.8	10
68	3-Methylindole-substituted zinc phthalocyanines for photodynamic cancer therapy. Journal of Porphyrins and Phthalocyanines, 2019, 23, 1371-1379.	0.4	10
69	Carbon (sp ³) tetrel bonding mediated BODIPY supramolecular assembly via unprecedented synergy of Csp ³ -N and Csp ³ -F pair interactions. CrystEngComm, 2021, 23, 268-272.	1.3	10
70	Elucidating the role of non-covalent interactions in unexpectedly high and selective CO ₂ uptake and catalytic conversion of porphyrin-based ionic organic polymers. Materials Advances, 2021, 2, 3685-3694.	2.6	10
71	A novel 1D silver(I) coordination polymer constructed from indol-3-butyrac acid: Synthesis, crystal structure and natural bond orbital analysis by DFT. Journal of Molecular Structure, 2013, 1037, 109-115.	1.8	9
72	Ligand effects on the dimensionality of cyclophosphazene-based mercury(II) coordination polymers: Structures, UV-Visible absorption and thermal properties. Polyhedron, 2020, 192, 114823.	1.0	9

#	ARTICLE	IF	CITATIONS
73	Fluorescent Arylphosphonic Acids: Synergic Interactions between Bone and the Fluorescent Core. Chemistry - A European Journal, 2020, 26, 11129-11134.	1.7	9
74	Cu(II) complex with auxin (3-indoleacetic acid) and an aromatic planar ligand: synthesis, crystal structure, biomolecular interactions and radical scavenging activity. European Biophysics Journal, 2021, 50, 771-785.	1.2	9
75	Self assembly of sandwich-layered 2D silver(I) coordination polymers stabilized by argentophilic interactions: Synthesis, crystal structures and ab initio intramolecular energetics. Journal of Molecular Structure, 2014, 1076, 629-638.	1.8	8
76	The synthesis of an octasubstituted monohydroxylated phthalocyanine designed to investigate the effect of the presence of active moieties. New Journal of Chemistry, 2015, 39, 3929-3935.	1.4	8
77	Short Naphthalene Organophosphonate Linkers to Microporous Frameworks. ChemistrySelect, 2017, 2, 7050-7053.	0.7	8
78	Mercury(II) coordination polymers based on aniline-substituted tetra pyridyloxy cyclotriphosphazene: Syntheses, characterizations and UV-Vis absorption properties. Polyhedron, 2019, 173, 114138.	1.0	8
79	Synthesis, characterization and photophysical properties of cyclotriphosphazenes including heterocyclic rings. Inorganica Chimica Acta, 2019, 498, 119120.	1.2	8
80	A neural network potential for the IRMOF series and its application for thermal and mechanical behaviors. Physical Chemistry Chemical Physics, 2022, 24, 11882-11897.	1.3	8
81	Electrically Conductive Photoluminescent Porphyrin Phosphonate Metal-Organic Frameworks. Advanced Optical Materials, 2022, 10, .	3.6	8
82	NOO-type tridentate Schiff base ligand and its one-dimensional Cu(II) coordination polymer: Synthesis, crystal structure, biomacromolecular interactions and radical scavenging activities. Inorganica Chimica Acta, 2021, 514, 119994.	1.2	7
83	Mimicking cellular phospholipid bilayer packing creates predictable crystalline molecular metal-organophosphonate macrocycles and cages. CrystEngComm, 2018, 20, 2152-2158.	1.3	6
84	In Silico Investigation into H ₂ Uptake in MOFs: Combined Text/Data Mining and Structural Calculations. Langmuir, 2020, 36, 119-129.	1.6	6
85	Selective Turn-On Aluminium Ions Detection of NBD ⁽⁺⁾ Appended Schiff-Base Fluorophore. ChemistrySelect, 2020, 5, 8086-8092.	0.7	6
86	Porphyrin-based covalent organic polymer by inverse electron demand Diels-Alder reaction. European Polymer Journal, 2021, 157, 110664.	2.6	6
87	Template-Directed Photochemical Homodimerization and Heterodimerization Reactions of Cinnamic Acids. Journal of Organic Chemistry, 2021, 86, 13118-13128.	1.7	6
88	Modulation of supramolecular self-assembly of BODIPY tectons via halogen bonding. CrystEngComm, 2021, 23, 6365-6375.	1.3	6
89	Dihydroxylated Alkylsulfanyl Phthalonitriles. Journal of Chemical Crystallography, 2014, 44, 337-345.	0.5	5
90	Copper(II) complexes with pyridine-2,6-dicarboxylic acid from the oxidation of copper(I) iodide. Journal of Coordination Chemistry, 2017, 70, 3422-3433.	0.8	5

#	ARTICLE	IF	CITATIONS
91	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.	1.8	5
92	Experimental and theoretical studies of carbazole-based Schiff base as a fluorescent Fe ³⁺ probe. <i>Turkish Journal of Chemistry</i> , 2018, 42, .	0.5	4
93	Synthesis and Characterization of Some Tetracyclic Spermine Derivatives of Cyclotriphosphazene: The First Examples of Dispiransa Derivatives. <i>Heterocycles</i> , 2008, 75, 635.	0.4	4
94	Coordination-Induced Band Gap Reduction in a Metal-Organic Framework. <i>Chemistry - A European Journal</i> , 2022, 28, e202104041.	1.7	4
95	Resorcinarene-mono-benzimidazolium salts as NHC ligands for Suzuki-Miyaura cross-couplings catalysts. <i>Turkish Journal of Chemistry</i> , 2015, 39, 1300-1309.	0.5	3
96	Enantiopure <i>cis</i> - and <i>trans</i> -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.	1.2	3
97	Arylphosphonate-Tethered Porphyrins: Fluorescence Silencing Speaks a Metal Language in Living Enterocytes**. <i>ChemBioChem</i> , 2021, 22, 1925-1931.	1.3	3
98	Optimized synthesis and crystal growth by sublimation of 1,3,3-trichloroisoindolenines, key building blocks for crosswise phthalocyanines. <i>CrystEngComm</i> , 2014, 16, 6556.	1.3	2
99	A potent drug candidature of Cu(II) pyrazino[2,3- <i>ef</i>][1,10]phenanthroline complexes with bioactive ligands: synthesis, crystal structures, biomolecular interactions, radical scavenging and cytotoxicities. <i>Journal of Biomolecular Structure and Dynamics</i> , 2020, 39, 1-19.	2.0	2
100	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.	1.8	2
101	A phthalocyanine-fluorescein conjugate. <i>Turkish Journal of Chemistry</i> , 2013, , .	0.5	1
102	Fluorescent mono- and tetra-dansylated cavitands: synthesis and acid sensitivity. <i>Turkish Journal of Chemistry</i> , 2015, 39, 207-216.	0.5	1
103	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, 3017-3030.	1.2	1
104	Ni(II) complexes with 1,3,2,4-dithiadiphosphetane 2,4-disulfide-based ligands: Structural insights, theoretical studies, and anticancer activities. <i>Applied Organometallic Chemistry</i> , 2022, 36, .	1.7	1
105	X-ray crystal structures of chiral spermine-bridged cyclophosphazenes. <i>Acta Crystallographica Section A: Foundations and Advances</i> , 2009, 65, s277-s277.	0.3	0
106	3-Methylindole-substituted zinc phthalocyanines for photodynamic cancer therapy. , 2021, , 318-326.		0
107	Comparative X-ray structure analyses of 4,5- and 3,6-dialkylsulfanylphthalonitriles of different bulkiness. <i>Acta Crystallographica Section A: Foundations and Advances</i> , 2013, 69, s376-s376.	0.3	0
108	Structural and theoretical studies of two novel sandwich-type two-dimensional silver(I) coordination polymers built up by aromatic and aliphatic dicarboxylic acid. <i>Acta Crystallographica Section A: Foundations and Advances</i> , 2013, 69, s489-s490.	0.3	0

#	ARTICLE	IF	CITATIONS
109	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.	1.0	0