

# Muhammet Kose

## List of Publications by Year in descending order

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87  
papers

1,243  
citations

304368

22  
h-index

476904

29  
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87  
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87  
docs citations

87  
times ranked

1303  
citing authors

#	ARTICLE	IF	CITATIONS
1	Monodentate Schiff base ligands: Their structural characterization, photoluminescence, anticancer, electrochemical and sensor properties. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2015, 137, 477-485.	2.0	61
2	Structural characterization of some Schiff base compounds: Investigation of their electrochemical, photoluminescence, thermal and anticancer activity properties. <i>Journal of Luminescence</i> , 2013, 143, 623-634.	1.5	57
3	Synthesis, characterization and antimicrobial studies of 2-[(E)-(2-hydroxy-5-methylphenyl)imino]methyl-4-[(E)-phenyldiazenyl]phenol as a novel azo-azomethine dye. <i>Journal of Molecular Structure</i> , 2013, 1053, 89-99.	1.8	44
4	An azo-azomethine ligand and its copper(II) complex: Synthesis, X-ray crystal structure, spectral, thermal, electrochemical and photoluminescence properties. <i>Inorganica Chimica Acta</i> , 2015, 430, 268-279.	1.2	39
5	New bio-active azo-azomethine based Cu(II) complexes. <i>Inorganica Chimica Acta</i> , 2016, 444, 166-175.	1.2	37
6	Synthesis and X-ray powder diffraction, electrochemical, and genotoxic properties of a new azo-Schiff base and its metal complexes. <i>Turkish Journal of Chemistry</i> , 2014, 38, 222-241.	0.5	36
7	New tridentate azo-azomethines and their copper(II) complexes: Synthesis, solvent effect on tautomerism, electrochemical and biological studies. <i>Journal of Molecular Structure</i> , 2015, 1096, 64-73.	1.8	31
8	Computational and experimental studies of 2-[(E)-hydrazinylidenemethyl]-6-methoxy-4-[(E)-phenyldiazenyl]phenol and its tautomers. <i>Journal of Molecular Structure</i> , 2016, 1119, 413-422.	1.8	29
9	Synthesis, structural characterization, electrochemical, photoluminescence, antiproliferative and antioxidant properties of Co(II), Cu(II) and Zn(II) complexes bearing the azo-azomethine ligands. <i>Journal of Molecular Structure</i> , 2019, 1182, 63-71.	1.8	29
10	Supramolecular lead(II) architectures engineered by tetrel bonds. <i>CrystEngComm</i> , 2020, 22, 2389-2396.	1.3	29
11	Preparation, spectral, X-ray powder diffraction and computational studies and genotoxic properties of new azo-azomethine metal chelates. <i>Journal of Molecular Structure</i> , 2014, 1076, 213-226.	1.8	28
12	Tetradentate Schiff base ligands and their complexes: Synthesis, structural characterization, thermal, electrochemical and alkane oxidation. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2012, 95, 382-398.	2.0	27
13	Methoxy group containing bidentate Schiff base ligands and their transition metal complexes: Synthesis, structural characterisation, photoluminescence, antioxidant capacity and superoxide dismutase activity studies. <i>Inorganica Chimica Acta</i> , 2016, 453, 522-530.	1.2	27
14	Photoluminescence, electrochemical, SOD activity and selective chemosensor properties of novel asymmetric porphyrin-Schiff base compounds. <i>Dyes and Pigments</i> , 2016, 130, 37-53.	2.0	27
15	Selective detections of nitroaromatic explosives by monomeric and polymeric Bi(III) complexes. <i>Sensors and Actuators B: Chemical</i> , 2018, 264, 363-371.	4.0	27
16	Structural characterization, luminescence and electrochemical properties of the Schiff base ligands. <i>Journal of Luminescence</i> , 2012, 132, 2917-2928.	1.5	26
17	Mn(II) complexes of a tridentate benzimidazole ligand: Synthesis, structural characterisation and catalase mimetic studies. <i>Polyhedron</i> , 2014, 75, 30-39.	1.0	26
18	Spectral, structural and quantum chemical computational and dissociation constant studies of a novel azo-enamine tautomer. <i>Journal of Molecular Structure</i> , 2014, 1074, 449-456.	1.8	26

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19	Pamoic acid esters and their xanthene derivatives: Fluorimetric detection of nitroaromatic compounds and non-linear optical properties. <i>Sensors and Actuators B: Chemical</i> , 2018, 255, 3344-3354.	4.0	26
20	A novel azo-azomethine based fluorescent dye and its Co(II) and Cu(II) metal chelates. <i>Journal of Molecular Liquids</i> , 2014, 200, 105-114.	2.3	25
21	New azo-azomethine based transition metal complexes: Synthesis, spectroscopy, solid state structure, density functional theory calculations and anticancer studies. <i>Applied Organometallic Chemistry</i> , 2019, 33, e4954.	1.7	25
22	SOD activity and DNA binding properties of a new symmetric porphyrin Schiff base ligand and its metal complexes. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2015, 151, 821-838.	2.0	23
23	Mono-, di- and tri-nuclear manganese(II) complexes derived from a quinquedentate ligand: Superoxide dismutase and catalase mimetic studies. <i>Inorganica Chimica Acta</i> , 2015, 435, 232-238.	1.2	23
24	New fluorescent azo-Schiff base Cu(II) and Zn(II) metal chelates; spectral, structural, electrochemical, photoluminescence and computational studies. <i>Journal of Molecular Structure</i> , 2017, 1137, 461-475.	1.8	23
25	Antiproliferative, antioxidant, computational and electrochemical studies of new azo-containing Schiff base ruthenium(II) complexes. <i>New Journal of Chemistry</i> , 2018, 42, 2952-2963.	1.4	22
26	Half-sandwich Ruthenium(II) arene complexes bearing the azo-azomethine ligands: Electrochemical, computational, antiproliferative and antioxidant properties. <i>Journal of Organometallic Chemistry</i> , 2018, 870, 76-89.	0.8	21
27	Fluorimetric detections of nitroaromatic explosives by polyaromatic imine conjugates. <i>Journal of Molecular Structure</i> , 2019, 1185, 369-378.	1.8	21
28	A new Salen-type azo-azomethine ligand and its Ni(II), Cu(II) and Zn(II) complexes: Synthesis, spectral characterization, crystal structure and photoluminescence studies. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2015, 150, 966-973.	2.0	20
29	Synthesis of two new azo-azomethines; spectral characterization, crystal structures, computational and fluorescence studies. <i>Journal of Molecular Structure</i> , 2015, 1094, 183-194.	1.8	20
30	A novel azo-aldehyde and its Ni(II) chelate; synthesis, characterization, crystal structure and computational studies of 2-hydroxy-5-[(E)-[4-(propan-2-yl)phenyl]diazanyl]benzaldehyde. <i>Journal of Molecular Structure</i> , 2014, 1065-1066, 191-198.	1.8	19
31	Structural, computational and cytotoxic studies of square planar copper(II) complexes derived from dicyandiamide. <i>Polyhedron</i> , 2016, 117, 652-660.	1.0	19
32	Anticancer, photoluminescence and electrochemical properties of structurally characterized two imine derivatives. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2015, 149, 731-743.	2.0	15
33	A novel Schiff base: Synthesis, structural characterisation and comparative sensor studies for metal ion detections. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2015, 136, 1388-1394.	2.0	15
34	A novel porphyrin derivative and its metal complexes: Electrochemical, photoluminescence, thermal, DNA-binding and superoxide dismutase activity studies. <i>Journal of Molecular Structure</i> , 2016, 1105, 293-307.	1.8	14
35	Benzaldehyde derivatives with functional propargyl groups as $\alpha$ -glucosidase inhibitors. <i>Journal of Molecular Structure</i> , 2020, 1206, 127780.	1.8	14
36	Novel polymeric potassium complex: Its synthesis, structural characterization, photoluminescence and electrochemical properties. <i>Journal of Luminescence</i> , 2012, 132, 850-857.	1.5	13

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37	The new O,O and N,O type ligands and their Cu(II) and Ni(II) complexes: Crystal structure, absorption-emission properties and superoxide dismutase mimetic studies. <i>Inorganica Chimica Acta</i> , 2017, 462, 130-141.	1.2	13
38	N-substituted benzenesulfonamide compounds: DNA binding properties and molecular docking studies. <i>Journal of Biomolecular Structure and Dynamics</i> , 2022, 40, 7424-7438.	2.0	13
39	Cobalt(II), nickel(II) and copper(II) complexes of a Schiff base ligand: synthesis, structural characterization and luminescence properties. <i>Transition Metal Chemistry</i> , 2018, 43, 73-81.	0.7	12
40	Benzimidazole ligands with allyl, propargyl or allene groups, DNA binding properties, and molecular docking studies. <i>Applied Organometallic Chemistry</i> , 2021, 35, e6323.	1.7	12
41	Structural characterization and antioxidant properties of Cu(II) and Ni(II) complexes derived from dicyandiamide. <i>Journal of Molecular Structure</i> , 2018, 1152, 29-36.	1.8	11
42	New imino-methoxy derivatives: design, synthesis, characterization, antimicrobial activity, DNA interaction and molecular docking studies. <i>Journal of Biomolecular Structure and Dynamics</i> , 2022, 40, 11082-11094.	2.0	11
43	Cu(II) complexes of biguanidine ligands: Structural characterisation, DNA binding and antimicrobial properties. <i>Journal of Molecular Structure</i> , 2020, 1204, 127533.	1.8	10
44	Two Cu(II) complexes from an N-alkylated benzimidazole: synthesis, structural characterization, and biological properties. <i>Journal of Coordination Chemistry</i> , 2014, 67, 1746-1759.	0.8	9
45	Synthesis, characterization, X-ray structure and photoluminescence properties of two Ce(III) complexes derived from pentadentate ligands. <i>Journal of Molecular Structure</i> , 2015, 1101, 33-40.	1.8	9
46	Hydrogen bond directed 1D to 3D structures of square-planar Ni(II) complexes and their antimicrobial studies. <i>Inorganica Chimica Acta</i> , 2017, 462, 281-288.	1.2	9
47	Tridentate benzimidazole ligand and its metal complexes: Synthesis, characterization, photo physical and sensor properties. <i>Applied Organometallic Chemistry</i> , 2020, 34, e5992.	1.7	9
48	Azo-azomethine based palladium(II) complexes as catalysts for the Suzuki-Miyaura cross-coupling reaction. <i>Journal of Molecular Structure</i> , 2020, 1216, 128279.	1.8	9
49	Synthesis, characterization and non-linear optical properties of two mononuclear Cu(II) complexes of 2,6-bis(1-butylbenzimidazol-2-yl)pyridine. <i>Journal of Coordination Chemistry</i> , 2016, 69, 497-507.	0.8	8
50	Multifunctional metallo porphyrin-imine conjugates: Photophysical, electrochemical, DNA binding and SOD enzyme mimetic studies. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2017, 346, 236-248.	2.0	8
51	Structural characterizations, photophysical and biological properties of Disperse black 9 dye and $\beta$ -extended imine derivatives. <i>Dyes and Pigments</i> , 2018, 154, 62-74.	2.0	8
52	Triazine based Mn (II) and Mn (II)/Ln (III) complexes: Synthesis, characterization and catecholase activities. <i>Applied Organometallic Chemistry</i> , 2019, 33, e4721.	1.7	8
53	Synthesis, characterization and investigation of photophysical and biological properties of Cu(II) and Zn(II) complexes of benzimidazole ligands. <i>Applied Organometallic Chemistry</i> , 2022, 36, .	1.7	7
54	Structural characterization and electrochemical properties of novel salicylidene phosphonate derivatives. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2010, 77, 219-225.	2.0	6

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55	Synthesis, structural characterization and photoluminescence properties of a novel La(III) complex. Journal of Molecular Structure, 2015, 1088, 129-137.	1.8	6
56	A biguanide derivative and its cyclic analogue: Structural characterization, AChE inhibitory effect and docking studies. Journal of Molecular Structure, 2019, 1196, 491-498.	1.8	6
57	New Sm (III) and Nd (III) complexes: Synthesis, structural characterization and fluorescent sensing of nitroaromatic compounds. Applied Organometallic Chemistry, 2019, 33, e4843.	1.7	6
58	Structural characterization, DNA binding properties and molecular docking studies of imine compounds derived from Disperse black 9. Journal of Molecular Structure, 2021, 1243, 130776.	1.8	6
59	Synthesis, crystal structure, photoluminescence and electrochemical properties of a sandwiched Ni <sub>2</sub> Ce complex. Journal of Molecular Structure, 2017, 1150, 274-278.	1.8	5
60	The metal complexes of new Schiff bases containing phosphonate groups and catalytic properties for alkane oxidation. Applied Organometallic Chemistry, 2019, 33, e4970.	1.7	5
61	New diazo-containing phenolic oximes: structural characterization, computational studies, and solvent extraction of Cu(II), Ni(II), and Zn(II) ions. Turkish Journal of Chemistry, 2019, 43, 197-212.	0.5	5
62	Transition metal complexes of a benzimidazole ligand containing two heptyl chains: Synthesis, crystal structures, photophysical and thermal properties. Journal of Molecular Structure, 2020, 1200, 127073.	1.8	5
63	Synthesis, characterization and antibacterial effect of diarylmethylamine-based imines. Journal of Molecular Structure, 2020, 1214, 128150.	1.8	5
64	A new 3-substituted BODIPY dye: Synthesis, crystal structure, photophysical, non-linear optic and OLED properties. Journal of Molecular Structure, 2022, 1252, 132090.	1.8	5
65	Synthesis, characterization, and antimicrobial properties of two Cu(II) complexes derived from a benzimidazole ligand. Journal of Coordination Chemistry, 2014, 67, 2377-2392.	0.8	4
66	Mn (II) and Zn (II) complexes of a benzimidazole ligand having undecyl chains: Crystal structures, photophysical and thermal properties. Applied Organometallic Chemistry, 2019, 33, e5224.	1.7	4
67	A guanylurea ligand and its Cu(II), Ni(II) and Zn(II) complexes: antibacterial activities and DNA binding properties. Inorganic and Nano-Metal Chemistry, 2021, 51, 627-635.	0.9	4
68	Half-sandwich ruthenium(II) complexes containing 4-substituted aniline derivatives: structural characterizations and catalytic properties in transfer hydrogenation of ketones. Transition Metal Chemistry, 2021, 46, 457-464.	0.7	4
69	A Gossypol-hydrazone compound and its sensing properties towards metal ions and nitro-phenolic compounds. Journal of Molecular Structure, 2021, 1236, 130310.	1.8	4
70	Crystal Structure of Bis(5,17-dihydroxy-3,7,15,19,25,26-hexa-azatricyclo(19.3.1.19,13)hexacos-1(25),2,7,9(26),10,12,14,19,21,23-decane-1,2-perchloro-1,3-Diaminopropan-2-ol. Journal of Chemical Crystallography, 2011, 41, 577-581.	0.5	3
71	Crystal structure, spectroscopic and redox behaviour of novel imidazolidine ligand. Journal of Molecular Structure, 2011, 985, 167-172.	1.8	3
72	Absorption, redox and aggregation properties of new $\beta$ , $\beta'$ -diamino-porphyrin based ligands and their Cu(II) complexes. Journal of Molecular Structure, 2019, 1190, 148-159.	1.8	3

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73	A new NiCe complex derived from ortho-vanillin: Structural characterization and luminescence properties. <i>Journal of Molecular Structure</i> , 2019, 1175, 882-888.	1.8	3
74	Bidentate ligands and their Cu(II) complexes: Structural characterization, electrochemical properties and biological evaluation. <i>Journal of Molecular Structure</i> , 2020, 1199, 127059.	1.8	3
75	Design, synthesis and biological evaluation of biguanids and biguanid-sulfonamides as cholinesterase inhibitors. <i>Journal of Molecular Structure</i> , 2022, 1260, 132817.	1.8	3
76	Synthesis, crystal structure and spectroscopic properties of ethanol solvated $\lambda$ -Keggin heteropolymolybdate. <i>Journal of Molecular Structure</i> , 2017, 1147, 622-628.	1.8	2
77	Structural characterization of disperse black 9 based Cu (II) complex and investigation of its some properties. <i>Applied Organometallic Chemistry</i> , 2019, 33, e4764.	1.7	2
78	Water soluble biguanide salts and their 1,3,5-triazine derivatives as inhibitors of acetylcholinesterase and $\lambda$ -glucosidase. <i>Zeitschrift Fur Kristallographie - Crystalline Materials</i> , 2020, 235, 465-475.	0.4	2
79	Water soluble porphyrin-Schiff base ligands and their metal complexes: Synthesis, photophysical, electrochemical, and chemosensor properties. <i>Applied Organometallic Chemistry</i> , 0, , e6534.	1.7	2
80	Synthesis, characterization and catalytic transfer hydrogenation properties of Ru(II) complexes. <i>Transition Metal Chemistry</i> , 2022, 47, 77.	0.7	2
81	Bis{2,6-bis[(2-hydroxy-5-methylphenyl)iminomethyl]pyridine} monohydrate. <i>Acta Crystallographica Section E: Structure Reports Online</i> , 2011, 67, o3193-o3193.	0.2	1
82	Structural characterisation and photoluminescence of a pyridine-diimine compound. <i>Journal of Structural Chemistry</i> , 2015, 56, 1353-1359.	0.3	1
83	Structural characterization, electrochemical, photoluminescence and thermal properties of potassium ion-mediated coordination polymer. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2015, 142, 8-14.	2.0	1
84	Two seven-coordinate Mn(II) complexes derived from pentadentate ligands: Structural characterization and investigation of photophysical properties. <i>Inorganic and Nano-Metal Chemistry</i> , 2017, 47, 1711-1717.	0.9	1
85	Manganese(II) complexes derived from acyclic ligands having flexible alcohol arms: structural characterization and SOD and catalase mimetic studies. <i>Acta Crystallographica Section C, Structural Chemistry</i> , 2021, 77, 100-110.	0.2	1
86	Bis{tris[2-(2-oxidobenzylideneazaniumyl)ethyl]amine- $\cdot$ 3O, $\cdot$ O $\cdot$ 2 $\cdot$ O $\cdot$ 2 $\cdot$ 2 $\cdot$ }calcium bis(perchlorate) acetonitrile disolvate. <i>Acta Crystallographica Section E: Structure Reports Online</i> , 2011, 67, m149-m149.	0.2	0
87	Crystal structure of the 2:1 complex of 2,6-dichloro-4-nitrophenol with 1,4-dioxane. <i>Journal of Structural Chemistry</i> , 2014, 55, 1623-1626.	0.3	0