

# Namık A-zdemir

## List of Publications by Year in descending order

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200  
papers

2,006  
citations

318942

23  
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445137

33  
g-index

203  
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203  
docs citations

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times ranked

2275  
citing authors

#	ARTICLE	IF	CITATIONS
1	Synthesis of Ruthenium(II) Complexes Containing Tridentate Triamine ( $\text{N}^2\text{N}^2\text{N}^2$ ) and Bidentate Diamine Ligands ( $\text{N}^2\text{N}^2$ ): as Catalysts for Transfer Hydrogenation of Ketones. <i>Organometallics</i> , 2011, 30, 4165-4173. <sup>1</sup>		73
2	Experimental and <i>ab initio</i> computational studies on 4-(1 <i>H</i> -benzo[ <i>d</i> ]imidazol-2-yl)- <i>N,N</i> ,- <i>N,N</i> -dimethylaniline. <i>Molecular Physics</i> , 2010, 108, 13-24.	0.8	72
3	Iron( <i>iii</i> ) and nickel( <i>ii</i> ) complexes as potential anticancer agents: synthesis, physicochemical and structural properties, cytotoxic activity and DNA interactions. <i>New Journal of Chemistry</i> , 2015, 39, 5643-5653.	1.4	57
4	Experimental and molecular modeling investigation of ( <i>E</i> )- <i>N,N</i> -{2-[(2-hydroxybenzylidene)amino]phenyl}benzenesulfonamide. <i>Molecular Physics</i> , 2013, 111, 707-723.	0.8	50
5	Direct and solvent-assisted thione-thiol tautomerism in 5-(thiophen-2-yl)-1,3,4-oxadiazole-2(3 <i>H</i> )-thione: Experimental and molecular modeling study. <i>Chemical Physics</i> , 2014, 439, 1-11.	0.9	46
6	Single crystal ruthenium(II) complex dye based photodiode. <i>Dyes and Pigments</i> , 2016, 132, 64-71.	2.0	46
7	Quantum-chemical, spectroscopic and X-ray diffraction studies on nickel complex of 2-hydroxyacetophenone thiosemicarbazone with triphenylphosphine. <i>Polyhedron</i> , 2010, 29, 2393-2403.	1.0	43
8	Synthesis of some ruthenium(II)-Schiff base complexes bearing sulfonamide fragment: New catalysts for transfer hydrogenation of ketones. <i>Journal of Organometallic Chemistry</i> , 2014, 770, 21-28.	0.8	42
9	Synthesis, X-ray crystal structures, thermal and electrochemical properties of thiosemicarbazidatodioxouranium(vi) complexes. <i>Dalton Transactions</i> , 2010, 39, 10228.	1.6	37
10	Synthesis, X-ray diffraction method, spectroscopic characterization (FT-IR, <sup>1</sup> H and <sup>13</sup> C NMR), antimicrobial activity, Hirshfeld surface analysis and DFT computations of novel sulfonamide derivatives. <i>Journal of Molecular Structure</i> , 2018, 1161, 122-137.	1.8	37
11	Palladium(II) and ruthenium(II) complexes of benzotriazole functionalized N-heterocyclic carbenes: Cytotoxicity, antimicrobial, and DNA interaction studies. <i>Journal of Organometallic Chemistry</i> , 2019, 886, 48-56.	0.8	37
12	Sonogashira cross-coupling reaction catalysed by mixed NHC-Pd-PPh <sub>3</sub> complexes under copper free conditions. <i>Journal of Organometallic Chemistry</i> , 2018, 860, 59-71.	0.8	36
13	Theoretical and experimental investigation of 4-[(2-hydroxy-3-methylbenzylidene)amino]benzenesulfonamide: Structural and spectroscopic properties, NBO, NLO and NPA analysis. <i>Journal of Molecular Structure</i> , 2015, 1089, 222-232.	1.8	35
14	Nickel(II) complexes of ONS and ONN chelating thiosemicarbazones with triphenylphosphine co-ligands. <i>Transition Metal Chemistry</i> , 2009, 34, 383-388.	0.7	31
15	The asymmetric ONNO complexes of dioxouranium(VI) with N1,N4-diarylidene-S-propyl-thiosemicarbazones derived from 3,5-dichlorosalicylaldehyde: Synthesis, spectroscopic and structural studies. <i>Polyhedron</i> , 2011, 30, 515-521.	1.0	31
16	Structural, spectroscopic, radical scavenging activity, molecular docking and DFT studies of a synthesized Schiff base compound. <i>Journal of Molecular Structure</i> , 2019, 1179, 205-215.	1.8	31
17	Synthesis and catalytic activity of ruthenium(II) complexes containing pyridine-based tridentate triamines ( <i>L</i> ) and pyridine carboxylate ligands ( <i>L'</i> ). <i>Inorganica Chimica Acta</i> , 2012, 392, 246-253.	1.2	30
18	Synthesis, spectroscopic characterization, X-ray structure and DFT studies on 2,6-bis(1-benzyl-1 <i>H</i> -benzo[ <i>d</i> ]imidazol-2-yl)pyridine. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2013, 103, 255-263.	2.0	30

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19	Synthesis, antimicrobial properties, and theoretical analysis of benzimidazole-2-ylidene silver(I) complexes. <i>Journal of Coordination Chemistry</i> , 2020, 73, 1967-1986.	0.8	28
20	Experimental and theoretical investigation of the molecular and electronic structure of 5-(4-aminophenyl)-4-(3-methyl-3-phenylcyclobutyl)thiazol-2-amine. <i>Journal of Molecular Modeling</i> , 2009, 15, 1435-1445.	0.8	26
21	Heteroleptic ruthenium(II) complexes of 2-(2-pyridyl)benzimidazoles: A study of catalytic efficiency towards transfer hydrogenation of acetophenone. <i>Polyhedron</i> , 2015, 85, 926-932.	1.0	26
22	Functionalized imidazolium and benzimidazolium salts as paraoxonase 1 inhibitors: Synthesis, characterization and molecular docking studies. <i>Bioorganic and Medicinal Chemistry</i> , 2016, 24, 1392-1401.	1.4	26
23	Synthesis, crystal structure analysis, spectral characterization, quantum chemical calculations, antioxidant and antimicrobial activity of 3-(4-chlorophenyl)-3a,4,7,7a-tetrahydro-4,7-methanobenzo[d]isoxazole. <i>Journal of Molecular Structure</i> , 2016, 1122, 219-233.	1.8	25
24	The influence of moisture on deprotonation mode of imidazolinium chlorides with palladacycle acetate dimer. <i>Journal of Organometallic Chemistry</i> , 2009, 694, 2179-2184.	0.8	24
25	Synthesis, X-ray structures, and catalytic activities of (²-C,N)-palladacycles bearing imidazol-2-ylidenes. <i>Journal of Organometallic Chemistry</i> , 2009, 694, 2343-2349.	0.8	22
26	Synthesis and characterization of SiO <sub>2</sub> -supported ruthenium complexes containing aromatic sulfonamides: as catalysts for transfer hydrogenation of acetophenone. <i>Dalton Transactions</i> , 2013, 42, 4957.	1.6	22
27	Electrochemistry and structural properties of new mixed ligand nickel( <i>sc</i> ) complexes based on thiosemicarbazone. <i>New Journal of Chemistry</i> , 2014, 38, 5582-5589.	1.4	21
28	Syntheses and molecular structures of novel Ru(II) complexes with bidentate benzimidazole based ligands and their catalytic efficiency for oxidation of benzyl alcohol. <i>Journal of Molecular Structure</i> , 2016, 1123, 35-43.	1.8	20
29	Synthesis, molecular structure, spectroscopic characterization, NBO, NLO and NPA analysis and in vitro cytotoxicity study of 3-chloro-N-(4-sulfamoylphenethyl)propanamide with experimental and computational study. <i>Journal of Molecular Structure</i> , 2016, 1114, 95-107.	1.8	20
30	Photoresponsivity and photodetectivity properties of copper complex-based photodiode. <i>Journal of Molecular Structure</i> , 2020, 1200, 127062.	1.8	20
31	Synthesis, characterization, antimicrobial and antibiofilm activity, and molecular docking analysis of NHC precursors and their Ag-NHC complexes. <i>Dalton Transactions</i> , 2021, 50, 15400-15412.	1.6	20
32	A new phosphazene derivative, spiro-N3P3[(O2C12H8)2(OC6H6N-3)2], and its Ru(II) complex: Syntheses, crystal structure, catalytic activity and antimicrobial activity studies. <i>Polyhedron</i> , 2015, 88, 170-175.	1.0	19
33	Novel <i>N</i> -alkylbenzimidazole-Ruthenium (II) complexes: Synthesis and catalytic activity of <i>N</i> -alkylating reaction under solvent-free medium. <i>Applied Organometallic Chemistry</i> , 2019, 33, e4704.	1.7	19
34	Well-defined PEPPSI-themed palladium-NHC complexes: synthesis, and catalytic application in the direct arylation of heteroarenes. <i>Applied Organometallic Chemistry</i> , 2020, 34, e5387.	1.7	19
35	An experimental and theoretical approach to the molecular structure of 2-[4-[3-(2,5-dimethylphenyl)-3-methylcyclobutyl]thiazol-2-yl]isoindoline-1,3-dione. <i>Journal of Molecular Modeling</i> , 2010, 16, 291-302.	0.8	18
36	A novel one-pot synthesis of heterocyclic compound (4-benzoyl-5-phenyl-2-(pyridin-2-yl)-3,3a-dihydropyrazolo[1,5-c]pyrimidin-7(6H)-one): Structural (X-ray) Tj ETQq0 0 0 rgBT /Overlock 10 T <i>Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2015, 137, 1304-1314.	2.6	18

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37	Palladium(II) complexes bearing bidentate pyridyl-sulfonamide ligands: Synthesis and catalytic applications. <i>Polyhedron</i> , 2015, 85, 748-753.	1.0	18
38	X-ray structure determination, Hirshfeld surface analysis, spectroscopic (FT-IR, NMR, UV-Vis,) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 70 4-((2,4-dimethoxyphenyl)-2,2,6,6-tetrapyridine. <i>Journal of Molecular Structure</i> , 2018, 1162, 96-108.	1.8	18
39	Investigations of antiproliferative and antioxidant activity of $\hat{1}^2$ -lactam morpholino-1,3,5-triazine hybrids. <i>Bioorganic and Medicinal Chemistry</i> , 2020, 28, 115408.	1.4	18
40	Theoretical investigation of thione-thiol tautomerism, intermolecular double proton transfer reaction and hydrogen bonding interactions in 4-ethyl-5-(2-hydroxyphenyl)-2H-1,2,4-triazole-3(4H)-thione. <i>Computational and Theoretical Chemistry</i> , 2013, 1025, 35-45.	1.1	17
41	Quantum-chemical, IR, NMR, and X-ray diffraction studies on 2-(4-chlorophenyl)-1-methyl-1H-benzimidazole. <i>International Journal of Quantum Chemistry</i> , 2011, 111, 3112-3124.	1.0	16
42	Molecular structure, spectroscopic characterization and DFT calculations of a novel (Z)-1-[(2-Ethylphenylamino)methylene]naphthalene-2(1H)-one. <i>Journal of Molecular Structure</i> , 2015, 1096, 43-54.	1.8	16
43	Investigation of enol-imine/keto-amine tautomerism in 4-[(2-hydroxybenzylidene)amino]phenyl benzenesulphonate by experimental and molecular modelling methods. <i>Molecular Physics</i> , 2016, 114, 757-768.	0.8	15
44	Benzotriazole functionalized N-heterocyclic carbene-silver(I) complexes: Synthesis, cytotoxicity, antimicrobial, DNA binding, and molecular docking studies. <i>Polyhedron</i> , 2018, 153, 31-40.	1.0	15
45	Bicyclic N-heterocyclic carbene (NHC) ligand precursors and their palladium complexes. <i>Journal of Coordination Chemistry</i> , 2016, 69, 1463-1472.	0.8	14
46	Synthesis, structures, DFT calculations, and catalytic application in the direct arylation of five-membered heteroarenes with aryl bromides of novel palladium-N-heterocyclic carbene PEPPSI-type complexes. <i>New Journal of Chemistry</i> , 2021, 45, 17878-17892.	1.4	14
47	4-Benzoyl-1,5-diphenyl-1H-pyrazole-3-carboxylic acid methanol solvate. <i>Acta Crystallographica Section E: Structure Reports Online</i> , 2005, 61, o256-o258.	0.2	13
48	Synthesis, structural characterization and cytotoxicity studies of T-shaped silver(I) complexes derived from 1-benzyl-3H-benzimidazolium p-toluenesulfonates. <i>Polyhedron</i> , 2018, 142, 63-70.	1.0	13
49	A neutral arene ruthenium(II) complex with a sulfonated N,O-chelating ligand: Synthesis, characterization, in vitro cytotoxicity and antibacterial activity. <i>Polyhedron</i> , 2020, 176, 114300.	1.0	13
50	Catalytic and biological activities of homoleptic palladium(II) complexes bearing the 2-aminobenzothiazole moiety. <i>Polyhedron</i> , 2021, 199, 115106.	1.0	13
51	Substituted N-heterocyclic carbene PEPPSI-type palladium complexes with different N-coordinated ligands: Involvement in the direct C-H bond activation of heteroarenes derivatives with aryl bromide and their antimicrobial, anti-inflammatory and antioxidant activities. <i>Inorganica Chimica Acta</i> , 2022, 532, 120747.	1.2	13
52	Synthesis, in-vitro biological evaluation, and molecular docking study of novel spiro- $\hat{1}^2$ -lactam-isatin hybrids. <i>Medicinal Chemistry Research</i> , 2022, 31, 1026-1034.	1.1	13
53	Palladium-carbene catalyzed direct arylation of five-membered heteroaromatics. <i>Journal of Molecular Structure</i> , 2020, 1206, 127668.	1.8	12
54	Silver (I)-N-heterocyclic carbene complexes: Synthesis and characterization, biological evaluation of Anti-Cholinesterase, anti-alpha-amylase, anti-lipase, and antibacterial activities, and molecular docking study. <i>Inorganica Chimica Acta</i> , 2021, 525, 120486.	1.2	12

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55	New benzimidazolium N-heterocyclic carbene precursors and their related Pd-NHC complex PEPSI-type: Synthesis, structures, DFT calculations, biological activity, docking study, and catalytic application in the direct arylation. <i>Journal of Molecular Structure</i> , 2022, 1248, 131504.	1.8	12
56	Structural and spectroscopic characterization of 2-mesityl-1H-benzo[d]imidazol-3-ium chloride: A combined experimental and theoretical analysis. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2012, 91, 51-60.	2.0	11
57	Direct and solvent-assisted keto-enol tautomerism and hydrogen-bonding interactions in 4-(m-chlorobenzylamino)-3-phenyl-4,5-dihydro-1H-1,2,4-triazol-5-one: a quantum-chemical study. <i>Journal of Molecular Modeling</i> , 2015, 21, 19.	0.8	11
58	Experimental and theoretical studies of (E)-2-(2-hydroxystyryl)-6-(4-methoxybenzoyl)-5-(4-methoxyphenyl)-1,2,4-triazin-3(2H)-one. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2015, 141, 307-315.	2.0	11
59	Supramolecular nickel complex based on thiosemicarbazone. Synthesis, transfer hydrogenation and unexpected thermal behavior. <i>Polyhedron</i> , 2016, 110, 188-196.	1.0	11
60	Synthesis and photovoltaic properties of new Ru(II) complexes for dye-sensitized solar cells. <i>Journal of Materials Science: Materials in Electronics</i> , 2018, 29, 11045-11058.	1.1	11
61	Enhanced Performance of Organic/Inorganic Hybrid Nanomaterials bearing Impregnated [PdL <sub>2</sub> ] Complexes as Counter Electrode Catalyst for Dye-Sensitized Solar Cells. <i>Applied Organometallic Chemistry</i> , 2019, 33, e4710.	1.7	11
62	The synthesis of new PEPSI-type N-heterocyclic carbene (NHC)-Pd(II) complexes bearing long alkyl chain as precursors for the synthesis of NHC-stabilized Pd(0) nanoparticles and their catalytic applications. <i>Journal of Organometallic Chemistry</i> , 2021, 934, 121633.	0.8	11
63	Di- $\eta^4$ -acetato- $\eta^2$ -bis{[2-(2-pyridyl)phenyl] $\eta^2$ -C,N}palladium(II)}. <i>Acta Crystallographica Section E: Structure Reports Online</i> , 2008, 64, m381-m381.	0.2	10
64	New ( $\eta^2$ -C,N)-palladacyclic complexes with benzimidazol-2-ylidene ligand: Synthesis, crystal structures and characterization. <i>Inorganic Chemistry Communication</i> , 2009, 12, 990-993.	1.8	10
65	Structural and spectroscopic characterization of a thiosemicarbazidatodioxouranium(VI) complex: A combined experimental and DFT study. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2015, 135, 994-1001.	2.0	10
66	Inhibition of paraoxonase 1 by coumarin-substituted N-heterocyclic carbene silver(I), ruthenium(II) and palladium(II) complexes. <i>Applied Organometallic Chemistry</i> , 2019, 33, e5130.	1.7	10
67	Nickel (II) complex [NiCl <sub>2</sub> (DMF) <sub>2</sub> L <sub>2</sub> ] bearing diaminobenzene and sulfonamide: Crystal structure and catalytic application in the reduction of nitrobenzenes. <i>Polyhedron</i> , 2020, 175, 114181.	1.0	10
68	Thiosemicarbazone ligand, nickel(II) and ruthenium(II) complexes based on vitamin B6 vitamer: The synthesis, different coordination behaviors and antioxidant activities. <i>Inorganica Chimica Acta</i> , 2020, 502, 119335.	1.2	10
69	Synthesis, DFT computations and antimicrobial activity of a Schiff base derived from 2-hydroxynaphthaldehyde: Remarkable solvent effect. <i>Journal of Molecular Structure</i> , 2020, 1209, 127980.	1.8	10
70	First used of Alkylbenzimidazole-Cobalt(II) complexes as a catalyst for the N-Alkylation of amines with alcohols under solvent-free medium. <i>Journal of Organometallic Chemistry</i> , 2020, 918, 121285.	0.8	10
71	Water-soluble silver(I) complexes with N-donor benzimidazole ligands containing an imidazolium core: stability and preliminary biological studies. <i>Dalton Transactions</i> , 2021, 50, 11596-11603.	1.6	10
72	1-Methyl-1-phenyl-3-[1-hydroxyimino-2-(succinimido)ethyl]cyclobutane. <i>Acta Crystallographica Section C: Crystal Structure Communications</i> , 2004, 60, o674-o676.	0.4	9

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73	Synthesis, spectroscopic and structural characterization of cobalt(II) complex with uracil-containing 2,6-diformylpyridine ligand: Theoretical studies on the ligand and pentagonal-bipyramidal [Co(L)(H <sub>2</sub> O) <sub>2</sub> ] <sup>2+</sup> and [Zn(L)(H <sub>2</sub> O) <sub>2</sub> ] <sup>2+</sup> cations. <i>Journal of Molecular Structure</i> , 2010, 966, 39-47.	1.8	9
74	Tridentate SNS pincer type ligand: Synthesis, structural and spectroscopic analysis of a novel pyridine and m-xylene compound with thioether-bridge. <i>Journal of Molecular Structure</i> , 2017, 1136, 271-280.	1.8	9
75	One-step stepwise reductive amination reaction by <i>N</i> -coordinate sulfonamido-functionalized Ru(II) complexes in water. <i>Applied Organometallic Chemistry</i> , 2018, 32, e4558.	1.7	9
76	N-heterocyclic carbene palladium complexes with different N-coordinated ligands: Comparison of their catalytic activities in Suzuki-Miyaura and Mizoroki-Heck reactions. <i>Polyhedron</i> , 2020, 176, 114271.	1.0	9
77	Half-sandwich Ru(II) arene complexes bearing benzimidazole ligands for the N-alkylation reaction of aniline with alcohols in a solvent-free medium. <i>New Journal of Chemistry</i> , 2021, 45, 11075-11085.	1.4	9
78	Biologically active acylthioureas and their Ni(II) and Cu(II) Complexes: Structural, spectroscopic, anti-proliferative, nucleolytic and antimicrobial studies. <i>Inorganica Chimica Acta</i> , 2021, 528, 120590.	1.2	9
79	6-Phenyl-3-(4-pyridyl)-1,2,4-triazolo[3,4-b][1,3,4]thiadiazole. <i>Acta Crystallographica Section C: Crystal Structure Communications</i> , 2005, 61, o665-o667.	0.4	8
80	Synthesis, characterization and catalytic activity of Pd(II) complexes with <i>N</i> -allyl functionalized imidazol-2-ylidenes in Suzuki-Miyaura reaction. <i>Applied Organometallic Chemistry</i> , 2014, 28, 324-331.	1.7	8
81	Divalent nickel complexes of thiosemicarbazone based on 5-bromosalicylaldehyde and triphenylphosphine: Experimental and theoretical characterization. <i>Polyhedron</i> , 2016, 113, 16-24.	1.0	8
82	Synthesis, spectral, X-ray diffraction and DFT studies on 1-(2-methyl-2-propenyl)-3-(2,3,4,5,6-pentamethylbenzyl)benzimidazolium chloride hydrate. <i>Molecular Crystals and Liquid Crystals</i> , 2018, 664, 109-123.	0.4	8
83	The direct C(sp <sup>2</sup> )-H functionalization and coupling of aromatic N-heterocycles with (hetero)aryl bromides by [PdX <sub>2</sub> (imidazolidin-2-ylidene)(Py)] catalysts. <i>Journal of Organometallic Chemistry</i> , 2021, 951, 122013.	0.8	8
84	Synthesis, spectroscopic (FT-IR/NMR) characterization, X-ray structure and DFT studies on (E)-2-(1-phenylethylidene)hydrazinecarboximidamide nitrate hemimethanol. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2013, 114, 175-182.	2.0	7
85	3-(2,4-Dichlorophenoxy)-1-(4-methoxybenzyl)-4-(4-nitrophenyl)azetidin-2-one. <i>Acta Crystallographica Section E: Structure Reports Online</i> , 2014, 70, o835-o836.	0.2	7
86	Synthesis, structural, spectroscopic and DFT study on a palladium(II)-N-heterocyclic carbene complex. <i>Journal of Molecular Structure</i> , 2017, 1146, 267-272.	1.8	7
87	The preparation of new palladium (II) complexes with Schiff base type ligands and its impregnated Al <sub>2</sub> O <sub>3</sub> materials: As the catalysts for degradation/reduction of organic dyes. <i>Applied Organometallic Chemistry</i> , 2020, 34, e6009.	1.7	7
88	The first use of [PdBr <sub>2</sub> (imidazolidin-2-ylidene)(pyridine)] catalysts in the direct C-H bond arylation of C2-substituted furan and thiophene. <i>Research on Chemical Intermediates</i> , 2021, 47, 2821-2843.	1.3	7
89	Concomitant polymorphism of a pyridine-2,6-dicarboxamide derivative in a single space group: Experimental and molecular modeling study. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2012, 86, 614-624.	2.0	6
90	Dioxouranium(VI) complexes with N <sub>2</sub> O <sub>2</sub> chelating thiosemicarbazones [UO <sub>2</sub> L(R-OH)]. <i>Journal of Coordination Chemistry</i> , 2013, 66, 3519-3530.	0.8	6



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91	Quantum chemical investigation of the intra- and intermolecular proton transfer reactions and hydrogen bonding interactions in 4-amino-5-(2-hydroxyphenyl)-2H-1,2,4-triazole-3(4H)-thione. <i>Journal of Molecular Modeling</i> , 2013, 19, 397-406.	0.8	6
92	Synthesis, crystal structure, spectroscopic characterization and DFT studies of bis[(1Z,2E)-N-(2,6-diethylphenyl)-N <sup>2</sup> -hydroxy-2-(hydroxyimino)acetimidamido]nickel(II). <i>Inorganica Chimica Acta</i> , 2017, 459, 36-44.	1.2	6
93	Synthesis and catalytic activity of ionic palladium N-heterocyclic carbene complexes. <i>Turkish Journal of Chemistry</i> , 2019, 43, 1622-1633.	0.5	6
94	Microwave-assisted synthesis of 1-substituted-1H-benzimidazolium salts: Non-competitive inhibition of human carbonic anhydrase I and II. <i>Archiv Der Pharmazie</i> , 2019, 352, 1800325.	2.1	6
95	Palladium(II) complexes assembled on solid materials: as catalysts for the "NO <sub>2</sub> (nitro) to "NH <sub>2</sub> (amine) reactions. <i>Monatshefte für Chemie</i> , 2020, 151, 1533-1548.	0.9	6
96	Comparative structural, spectroscopic and nonlinear optical analysis of a Schiff base compound with experimental and theoretical methods (HF, B3LYP and WB97X-D). <i>Optik</i> , 2021, 228, 166133.	1.4	6
97	Synthesis of new Pd(NHC)-PEPSI type complexes as catalysts toward C-C cross-coupling reactions. <i>Journal of Molecular Structure</i> , 2021, 1243, 130883.	1.8	6
98	Synthesis, crystal structures, DFT calculations, and catalytic application in hydrosilylation of acetophenone derivatives with triethylsilane of novel rhodium-N-heterocyclic carbene (NHCs) complex. <i>Journal of Molecular Structure</i> , 2022, 1265, 133397.	1.8	6
99	4-(Benzyloxy)phthalonitrile. <i>Acta Crystallographica Section E: Structure Reports Online</i> , 2004, 60, o79-o80.	0.2	5
100	Synthesis and characterization of 2,2-(pyridine-2,6-diyl)bis(1H-benzo[d]imidazol-3-ium) 2,4,6-trimethylbenzenesulfonate chloride by experimental and theoretical methods. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2014, 131, 145-152.	2.0	5
101	Palladium(II) and Ruthenium(II) complexes bearing arylsulfonate based ligands: Synthesis, structural characterization and catalytic properties. <i>Polyhedron</i> , 2016, 117, 504-512.	1.0	5
102	Crystal structure of (Z)-1-(1,5-dimethyl-1H-pyrazol-3-yl)-3-hydroxybut-2-en-1-one C <sub>9</sub> H <sub>12</sub> N <sub>2</sub> O <sub>2</sub> . <i>Zeitschrift Fur Kristallographie - New Crystal Structures</i> , 2016, 231, 617-618.	0.1	5
103	Spectroscopic, electrochemical and X-ray diffraction studies on nickel(II)-complexes of acetophenone thiosemicarbazones substituted six-carbon groups. <i>Inorganica Chimica Acta</i> , 2016, 443, 7-14.	1.2	5
104	New Chalcone Derivative: Synthesis, Characterization, Computational Studies and Antioxidant Activity. <i>Letters in Organic Chemistry</i> , 2019, 17, 46-53.	0.2	5
105	Synthesis, crystal structures and catalytic activities of palladium complexes with coumarin-functionalised N-heterocyclic carbene ligands. <i>Inorganic Chemistry Communication</i> , 2021, 131, 108755.	1.8	5
106	Synthesis, catalytic, cytotoxic, and antibacterial properties of new Ru(II) and Pd(II) complexes bearing bidentate Schiff base ligand. <i>Inorganic and Nano-Metal Chemistry</i> , 2021, 51, 1697-1706.	0.9	5
107	Activity analysis of new N-heterocyclic carbenes and silver N-heterocyclic carbene molecules against novel coronavirus by UV-vis, fluorescence spectroscopy and molecular docking. <i>Journal of Coordination Chemistry</i> , 2021, 74, 3109-3126.	0.8	5
108	2,3,4,6-Tetraphenyl-2H-pyrazolo[3,4-d]pyridazin-7(6H)-one. <i>Acta Crystallographica Section E: Structure Reports Online</i> , 2004, 60, o807-o809.	0.2	4

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109	4-Benzoyl-N-methyl-1,5-diphenyl-1H-pyrazole-3-carboxamide. Acta Crystallographica Section E: Structure Reports Online, 2004, 60, o946-o948.	0.2	4
110	N-(2,4-Dimethoxybenzylideneamino)guanidinium dihydrogenphosphate. Acta Crystallographica Section C: Crystal Structure Communications, 2005, 61, o722-o724.	0.4	4
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