

# Aydän Akta

## List of Publications by Year in descending order

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50  
papers

1,439  
citations

331259

21  
h-index

344852

36  
g-index

51  
all docs

51  
docs citations

51  
times ranked

803  
citing authors

#	ARTICLE	IF	CITATIONS
1	Novel 2-aminopyridine liganded Pd(II) N-heterocyclic carbene complexes: Synthesis, characterization, crystal structure and bioactivity properties. <i>Bioorganic Chemistry</i> , 2019, 91, 103134.	2.0	132
2	2-Hydroxyethyl substituted NHC precursors: Synthesis, characterization, crystal structure and carbonic anhydrase, $\alpha$ -glycosidase, butyrylcholinesterase, and acetylcholinesterase inhibitory properties. <i>Journal of Molecular Structure</i> , 2018, 1155, 797-806.	1.8	121
3	Novel NHC Precursors: Synthesis, Characterization, and Carbonic Anhydrase and Acetylcholinesterase Inhibitory Properties. <i>Archiv Der Pharmazie</i> , 2017, 350, e201700045.	2.1	75
4	Synthesis, characterization and crystal structure of 2-(4-hydroxyphenyl)ethyl and 2-(4-nitrophenyl)ethyl Substituted Benzimidazole Bromide Salts: Their inhibitory properties against carbonic anhydrase and acetylcholinesterase. <i>Journal of Molecular Structure</i> , 2018, 1170, 160-169.	1.8	72
5	Novel morpholine liganded Pd-based N-heterocyclic carbene complexes: Synthesis, characterization, crystal structure, antidiabetic and anticholinergic properties. <i>Polyhedron</i> , 2019, 159, 345-354.	1.0	69
6	Novel Benzylic Substituted Imidazolinium, Tetrahydropyrimidinium and Tetrahydrodiazepinium Salts: Potent Carbonic Anhydrase and Acetylcholinesterase Inhibitors. <i>ChemistrySelect</i> , 2018, 3, 7976-7982.	0.7	68
7	<i>meta</i> -Cyanobenzyl substituted benzimidazolium salts: Synthesis, characterization, crystal structure and carbonic anhydrase, $\alpha$ -glycosidase, butyrylcholinesterase, and acetylcholinesterase inhibitory properties. <i>Archiv Der Pharmazie</i> , 2018, 351, e1800029.	2.1	62
8	Novel <i>N</i> -propylphthalimide and 4-vinylbenzyl substituted benzimidazole salts: Synthesis, characterization, and determination of their metal chelating effects and inhibition profiles against acetylcholinesterase and carbonic anhydrase enzymes. <i>Journal of Biochemical and Molecular Toxicology</i> , 2018, 32, e22009.	1.4	61
9	Novel 2-methylimidazolium salts: Synthesis, characterization, molecular docking, and carbonic anhydrase and acetylcholinesterase inhibitory properties. <i>Bioorganic Chemistry</i> , 2020, 94, 103468.	2.0	49
10	A Novel Ag-N-Heterocyclic Carbene Complex Bearing the Hydroxyethyl Ligand: Synthesis, Characterization, Crystal and Spectral Structures and Bioactivity Properties. <i>Crystals</i> , 2020, 10, 171.	1.0	42
11	Synthesis, characterization and bioactivities of dative donor ligand N-heterocyclic carbene (NHC) precursors and their Ag(I)NHC coordination compounds. <i>Polyhedron</i> , 2021, 193, 114866.	1.0	38
12	Synthesis, Characterization and Crystal Structure of New 2-Morpholinoethyl-Substituted Bis-(NHC)Pd(II) Complexes and the Catalytic Activity in the Direct Arylation Reaction. <i>Catalysis Letters</i> , 2017, 147, 2340-2351.	1.4	36
13	Palladium catalyzed Mizoroki-Heck and Suzuki-Miyaura reactions using naphthalenomethyl-substituted imidazolidin-2-ylidene ligands in aqueous media. <i>Journal of Coordination Chemistry</i> , 2013, 66, 2901-2909.	0.8	32
14	Synthesis, characterization, crystal structure and bioactivity properties of the benzimidazole-functionalized PEPPSI type of Pd(II)NHC complexes. <i>Journal of Molecular Structure</i> , 2021, 1228, 129442.	1.8	32
15	2-Morpholinoethyl-substituted N-heterocyclic carbene (NHC) precursors and their silver(I)NHC complexes: synthesis, crystal structure and in vitro anticancer properties. <i>Journal of the Iranian Chemical Society</i> , 2018, 15, 131-139.	1.2	31
16	Chemistry, structure, and biological roles of Au-NHC complexes as TrxR inhibitors. <i>Bioorganic Chemistry</i> , 2020, 95, 103552.	2.0	31
17	PEPPSI type Pd(II)NHC complexes bearing chloro-/fluorobenzyl group: Synthesis, characterization, crystal structures, $\alpha$ -glycosidase and acetylcholinesterase inhibitory properties. <i>Polyhedron</i> , 2021, 198, 115060.	1.0	29
18	2-Hydroxyethyl substituted Pd-PEPPSI Complexes: Synthesis, Characterization and the Catalytic Activity in the Suzuki-Miyaura Reaction for Aryl Chlorides in Aqueous Media. <i>ChemistrySelect</i> , 2018, 3, 9974-9980.	0.7	28

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19	New 2-hydroxyethyl substituted N-Heterocyclic carbene precursors: Synthesis, characterization, crystal structure and inhibitory properties against carbonic anhydrase and xanthine oxidase. <i>Journal of Molecular Structure</i> , 2019, 1184, 487-494.	1.8	26
20	Synthesis, characterization, crystal structure, and antimicrobial studies of 2-morpholinoethyl-substituted benzimidazolium salts and their silver(I)-N-heterocyclic carbene complexes. <i>Research on Chemical Intermediates</i> , 2017, 43, 6379-6393.	1.3	24
21	N-Propylphthalimide-substituted bis-(NHC)PdX <sub>2</sub> complexes: synthesis, characterization and catalytic activity in direct arylation reactions. <i>Transition Metal Chemistry</i> , 2018, 43, 31-37.	0.7	24
22	New 4-vinylbenzyl-substituted bis(NHC)-Pd(II) complexes: Synthesis, characterization and the catalytic activity in the direct arylation reaction. <i>Inorganica Chimica Acta</i> , 2018, 471, 735-740.	1.2	23
23	4-Vinylbenzyl-substituted silver(I) N-heterocyclic carbene complexes and ruthenium(II) N-heterocyclic carbene complexes: synthesis and transfer hydrogenation of ketones. <i>Transition Metal Chemistry</i> , 2014, 39, 925-931.	0.7	22
24	Pentafluorobenzyl-substituted benzimidazolium salts: Synthesis, characterization, crystal structures, computational studies and inhibitory properties of some metabolic enzymes. <i>Journal of Molecular Structure</i> , 2022, 1265, 133266.	1.8	21
25	N-Propylphthalimide-Substituted Silver(I) N-Heterocyclic Carbene Complexes and Ruthenium(II) N-Heterocyclic Carbene Complexes: Synthesis and Transfer Hydrogenation of Ketones. <i>Catalysis Letters</i> , 2015, 145, 631-639.	1.4	20
26	Effects of salicylic acid and organic selenium on wheat ( <i>Triticum aestivum</i> L.) exposed to fenoxaprop-p-ethyl. <i>Ecotoxicology and Environmental Safety</i> , 2018, 148, 901-909.	2.9	20
27	2-Hydroxyethyl-Substituted (NHC)Pd(II)PPh <sub>3</sub> Complexes: Synthesis, Characterization, Crystal Structure and Its Application on Sonogashira Cross-Coupling Reactions in Aqueous Media. <i>ChemistrySelect</i> , 2018, 3, 10932-10937.	0.7	20
28	Mixed phosphine/N-heterocyclic carbene-palladium complexes: synthesis, characterization, crystal structure and application in the Sonogashira reaction in aqueous media. <i>Transition Metal Chemistry</i> , 2019, 44, 229-236.	0.7	20
29	2-Hydroxyethyl-Substituted (NHC)Pd <sub>2</sub> (pyridine) (Pd-PEPPSI) Complexes: Synthesis, Characterization and the Catalytic Activity in the Sonogashira Cross-coupling Reaction. <i>ChemistrySelect</i> , 2019, 4, 5585-5590.	0.7	19
30	Silver-N-heterocyclic carbene complexes bearing fluorinated benzyl group: Synthesis, characterization, crystal structure, computational studies, and inhibitory properties against some metabolic enzymes. <i>Applied Organometallic Chemistry</i> , 2021, 35, e6312.	1.7	17
31	4-Vinylbenzyl and 2-morpholinoethyl substituted ruthenium (II) complexes: Design, synthesis, and biological evaluation. <i>Journal of Molecular Structure</i> , 2020, 1202, 127355.	1.8	16
32	Synthesis, characterization, crystal structure, $\alpha$ -glucosidase, and acetylcholinesterase inhibitory properties of 1,3-disubstituted benzimidazolium salts. <i>Archiv Der Pharmazie</i> , 2021, 354, e2000422.	2.1	16
33	Synthesis, crystal structures, spectral investigations, conformational analysis and DFT studies of N-heterocyclic carbene precursors. <i>Journal of Molecular Structure</i> , 2020, 1204, 127519.	1.8	15
34	New Pd-PEPPSI complexes bearing meta-cyanobenzyl-Substituted NHC: Synthesis, characterization, crystal structure and catalytic activity in direct C-H arylation of (Hetero)arenes with aryl bromides. <i>Journal of Molecular Structure</i> , 2020, 1205, 127608.	1.8	14
35	New (NHC)Pd(II)(PPh <sub>3</sub> ) complexes: synthesis, characterization, crystal structure and its application on Sonogashira and Mizoroki-Heck cross-coupling reactions. <i>Chemical Papers</i> , 2020, 74, 99-112.	1.0	12
36	The (NHC)PdBr <sub>2</sub> (2-aminopyridine) complexes: synthesis, characterization, molecular docking study, and inhibitor effects on the human serum carbonic anhydrase and serum bovine xanthine oxidase. <i>Monatshefte Für Chemie</i> , 2020, 151, 1557-1567.	0.9	12

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37	Synthesis, characterization, DNA binding and anticancer activities of the imidazolidine-functionalized (NHC)Ru(II) complexes. <i>Journal of Molecular Structure</i> , 2022, 1247, 131350.	1.8	12
38	Benzimidazolium salts bearing the trifluoromethyl group as organofluorine compounds: Synthesis, characterization, crystal structure, in silico study, and inhibitory profiles against acetylcholinesterase and Î±-glucosidase. <i>Journal of Biochemical and Molecular Toxicology</i> , 2022, 36, e23001.	1.4	12
39	Synthesis, crystal structures, spectral FTIR, NMR and UV-Vis investigations and Hirshfeld surface analysis of two new 2-hydroxyethyl-substituted N-heterocyclic carbene precursors. <i>Journal of the Chinese Chemical Society</i> , 2019, 66, 1389-1396.	0.8	11
40	2-methyl-1,4-benzodioxan-substituted bis(NHC)PdX <sub>2</sub> complexes: Synthesis, characterization and the catalytic activity in the direct arylation reaction of some 2-alkyl-heterocyclic compounds. <i>Journal of the Iranian Chemical Society</i> , 2019, 16, 423-433.	1.2	11
41	Novel silver(I)-heterocyclic carbene complexes bearing 2-(4-hydroxyphenyl)ethyl group: Synthesis, characterization, and enzyme inhibition properties. <i>Journal of Heterocyclic Chemistry</i> , 2021, 58, 603-611.	1.4	10
42	Cytotoxic activity and apoptosis induction by a series Ag(I)-NHC complexes on human breast cancer cells and non-tumorigenic epithelial cell line. <i>Journal of Molecular Structure</i> , 2021, 1228, 129462.	1.8	9
43	Novel 2-hydroxyethyl substituted N-coordinate-Pd(II)(NHC) and bis(NHC)Pd(II) complexes: Synthesis, characterization and the catalytic activity in the direct arylation reaction. <i>Journal of Chemical Sciences</i> , 2019, 131, 1.	0.7	8
44	New morpholine-liganded palladium(II)-heterocyclic carbene complexes: Synthesis, characterization, crystal structure, and DNA-binding studies. <i>Archiv Der Pharmazie</i> , 2019, 352, e1900187.	2.1	8
45	A study about excellent xanthine oxidase inhibitory effects of new pyridine salts. <i>Monatshefte für Chemie</i> , 2021, 152, 1251-1260.	0.9	4
46	Benzimidazole-functionalized PEPPSI type Pd(II)NHC complexes bearing nitrophenylethyl and hydroxyphenylethyl group: Synthesis, characterization, crystal structure and its catalytic activity on direct arylation reaction. <i>Journal of Molecular Structure</i> , 2021, 1246, 131137.	1.8	2
47	Prediction of Biological Activities, Structural Investigation and Theoretical Studies of meta-cyanobenzyl Substituted Benzimidazolium Salts. <i>Acta Chimica Slovenica</i> , 2020, 67, 830-841.	0.2	2
48	Four 2-hydroxyethyl substituted NHC iodide complexes: structural characterization and theoretical comparisons. <i>Acta Crystallographica Section A: Foundations and Advances</i> , 2018, 74, e362-e362.	0.0	0
49	Platin ve Bakır Temelli N-Heterosiklik Karben (NHC) Komplekslerinin Antikanser Özellikleri ve Etki Mekanizmaları. <i>Bitlis Eren Üniversitesi Fen Bilimleri Dergisi</i> , 2019, 8, 713-724.	0.1	0
50	New Morpholinoethyl-Substituted (NHC)PdBr <sub>2</sub> (3-Chloropyridine) Complexes: Synthesis, Characterization and Catalytic Activity in the Suzuki-Miyaura Reaction. <i>Journal of Natural and Applied Sciences</i> , 2019, 23, 374-380.	0.1	0