Ismail Ozdemir

List of Publications by Year
in descending order

316 papers	7,099 citations	81900 39 h-index	128289 60 g-index
320 all docs	320 docs citations	320 times ranked	4028 citing authors

#	Article	IF	Citations
1	Synthesis, characterization, crystal structure, Hirshfeld surface analysis, and theoretical study on a N -heterocyclic carbene salt and two NHCâ€“palladium complexes. Inorganic and Nano-Metal Chemistry, 2022, 52, 493-504.	1.6	0
2	Highly Active Fe3O4@SBA-15@NHC-Pd Catalyst for Suzukiâ€“Miyaura Cross-Coupling Reaction. Catalysis Letters, 2022, 152, 1621-1638.	2.6	11
3	Synthesis of Quinoxaline-Linked Bis(Benzimidazolium) Salts and Their Catalytic Application in Palladium-Catalyzed Direct Arylation of Heteroarenes. Catalysis Letters, 2022, 152, 2012-2024.	2.6	2
4	New benzimidazolium N-heterocyclic carbene precursors and their related Pd-NHC complex PEPPSI-type: Synthesis, structures, DFT calculations, biological activity, docking study, and catalytic application in the direct arylation. Journal of Molecular Structure, 2022, 1248, 131504.	3.6	12
5	Selenourea and thiourea derivatives of chiral and achiral enetetramines: Synthesis, characterization and enzyme inhibitory properties. Bioorganic Chemistry, 2022, 120, 105566.	4.1	26
6	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. Inorganica Chimica Acta, 2022, 532, 120747.	2.4	13
7	Synthesis, molecular docking, and biological evaluation of 5â€alkyl(aryl)â€2â€isobutylthiazole derivatives: As Î±â€amylase, Î±â€glucosidase, and protein kinase inhibitors. Applied Organometallic Chemistry, 2022, 36, .	3.5	5
8	Cyanopropyl functionalized benzimidazolium salts and their silver Nâ€heterocyclic carbene complexes: Synthesis, antimicrobial activity, and theoretical analysis. Archiv Der Pharmazie, 2022, 355, e2200041.	4.1	9
9	Crystal structure, optical properties, spectroscopic characterization and density functional theory studies of a new rhodium(i)-imidazolidin-2-ylidene complexes: Synthesis, characterization and cytotoxic properties. Inorganica Chimica Acta, 2022, 537, 120936.	2.4	3
10	Ruthenium(II) complexes bearing benzimidazole-based N-heterocyclic carbene (NHC) ligands as potential antimicrobial, antioxidant, enzyme inhibition, and antiproliferative agents. Journal of Coordination Chemistry, 2022, 75, 645-667.	2.2	9
11	Synthesis, spectroscopic characterization and antimicrobial properties of silyl-tethered benzimidazolium salts. Journal of Molecular Structure, 2022, 1264, 133308.	3.6	4
12	Benzimidazole-based N-heterocyclic carbene silver complexes as catalysts for the formation of carbonates from carbon dioxide and epoxides. Molecular Catalysis, 2022, 526, 112369.	2.0	2
13	Synthesis, crystal structures, DFT calculations, and catalytic application in hydrosilylation of acetophenone derivatives with triethylsilane of novel rhoduim-N-heterocyclic carbene (NHCs) complex. Journal of Molecular Structure, 2022, 1265, 133397.	3.6	6
14	Synthesis, in vitro anticancer activities, and quantum chemical investigations on 1,3-bis-(2-methyl-2-propenyl)benzimidazolium chloride and its Ag(I) complex. Journal of Chemical Research, 2021, 45, 596-607.	1.3	4
15	Synthesis, characterization and catalytic activity of PEPPSI-type palladiumâ€“NHC complexes. Inorganica Chimica Acta, 2021, 515, 120043.	2.4	13
16	Water-soluble silver(i) complexes with N-donor benzimidazole ligands containing an imidazolium core: stability and preliminary biological studies. Dalton Transactions, 2021, 50, 11596-11603.	3.3	10
17	Rhodium(i) N-heterocyclic carbene complexes: synthesis and cytotoxic properties. New Journal of Chemistry, 2021, 45, 5176-5183.	2.8	5
18	Experimental and quantum mechanical investigation on two N-heterocyclic carbene palladium complexes. Molecular Crystals and Liquid Crystals, 2021, 714, 26-36.	0.9	1

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19	Half-sandwich Ru(ii) arene complexes bearing benzimidazole ligands for the N-alkylation reaction of aniline with alcohols in a solvent-free medium. New Journal of Chemistry, 2021, 45, 11075-11085.	2.8	9
20	Pd-N-heterocyclic carbene complex catalysed Câ€“H bond activation of 2-isobutylthiazole at the C5 position with aryl bromides. New Journal of Chemistry, 2021, 45, 6281-6292.	2.8	10
21	Palladium-PEPPSI-NHC Complexes Bearing Imidazolidin-2-Ylidene Ligand: Efficient Precatalysts for the Direct C5-Arylation of N-Methylpyrrole-2-Carboxaldehyde. Catalysis Letters, 2021, 151, 3197-3212.	2.6	10
22	Pd-PEPPSI: X-ray Structure, Spectroscopic Analyses, and Quantum Mechanical Studies. Russian Journal of Physical Chemistry A, 2021, 95, S84-S92.	0.6	1
23	The first use of [PdBr2(imidazolidin-2-ylidene)(pyridine)] catalysts in the direct C-H bond arylation of C2-substituted furan and thiophene. Research on Chemical Intermediates, 2021, 47, 2821-2843.	2.7	7
24	C H Bond activation of 2-isobutylthiazole at C5 position catalysed by Pd-N-heterocyclic carbene complexes. Journal of Organometallic Chemistry, 2021, 937, 121730.	1.8	7
25	Synthesis of [PdBr2(benzimidazole-2-ylidene)(pyridine)] complexes and their catalytic activity in the direct C H bond activation of 2-substituted heterocycles. Polyhedron, 2021, 199, 115091.	2.2	3
26	Ru(II)-NHC catalysed N-Alkylation of amines with alcohols under solvent-free conditions. Inorganica Chimica Acta, 2021, 520, 120294.	2.4	11
27	A new PEPPSI type N-heterocyclic carbene palladium(II) complexes and its efficiency as a catalyst for Mizoroki-Heck cross-coupling reactions in waterÂ: Synthesis, Characterization and their antimicrobial and Cytotoxic activities. Journal of Molecular Structure, 2021, 1234, 130204.	3.6	9
28	Silverâ€“Nâ€heterocyclic carbene complexesâ€catalyzed multicomponent reactions: Synthesis, spectroscopic characterization, density functional theory calculations, and antibacterial study. Archiv Der Pharmazie, 2021, 354, e2100111.	4.1	13
29	N-heterocyclic carbene Pd(II) complex supported on Fe3O4@SiO2: Highly active, reusable and magnetically separable catalyst for Suzuki-Miyaura cross-coupling reactions in aqueous media. Journal of Organometallic Chemistry, 2021, 943, 121823.	1.8	23
30	PEPPSI type complexes: Synthesis, x-ray structures, spectral studies, molecular docking and theoretical investigations. Polyhedron, 2021, 204, 115281.	2.2	20
31	New silver Nheterocyclic carbenes complexes: Synthesis, molecular docking study and biological activities evaluation as cholinesterase inhibitors and antimicrobials. Journal of Molecular Structure, 2021, 1238, 130399.	3.6	9
32	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. Inorganica Chimica Acta, 2021, 525, 120486.	2.4	12
33	Amine-functionalized benzimidazolium salts: Synthesis, structural characterization, hirshfeld surface analysis and theoretical studies. Journal of Molecular Structure, 2021, 1239, 130460.	3.6	4
34	Synthesis, crystal structures and catalytic activities of palladium complexes with coumarin-functionalised N-heterocyclic carbene ligands. Inorganic Chemistry Communication, 2021, 131, 108755.	3.9	5
35	The direct C(sp2)-H functionalization and coupling of aromatic N-heterocycles with (hetero)aryl bromides by [PdX2(imidazolidin-2-ylidene)(Py)] catalysts. Journal of Organometallic Chemistry, 2021, 951, 122013.	1.8	8
36	Direct arylation (hetero-coupling) of heteroarenes via unsymmetrical palladium-PEPPSI-NHC type complexes. Polyhedron, 2021, 208, 115412.	2.2	8

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37	Synthesis of new Pd(NHC)-PEPPSI type complexes as catalysts toward C-C cross-coupling reactions. Journal of Molecular Structure, 2021, 1243, 130883.	3.6	6
38	Antimicrobial activity, inhibition of biofilm formation, and molecular docking study of novel Ag-NHC complexes. Journal of Organometallic Chemistry, 2021, 954-955, 122082.	1.8	10
39	Iridium(<scp>i</scp>) complexes bearing hemilabile coumarin-functionalised N-heterocyclic carbene ligands with application as alkyne hydrosilylation catalysts. Dalton Transactions, 2021, 50, 11206-11215.	3.3	8
40	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. New Journal of Chemistry, 2021, 45, 17878-17892.	2.8	14
41	Synthesis, characterization, antimicrobial and antibiofilm activity, and molecular docking analysis of NHC precursors and their Ag-NHC complexes. Dalton Transactions, 2021, 50, 15400-15412.	3.3	20
42	Rhodium(I) complexes with N-heterocyclic carbene ligands: synthesis, biological properties and catalytic activity in the hydrosilylation of aromatic ketones. Journal of Coordination Chemistry, 2021, 74, 2558-2579.	2.2	4
43	Synthesis of N-heterocyclic carbene-based silver complexes and their antimicrobial properties against bacteria and fungi. Journal of Coordination Chemistry, 2021, 74, 3031-3047.	2.2	11
44	Ruthenium(II) complexes bearing N-heterocyclic carbene ligands with wingtip groups and their catalytic activity in the transfer hydrogenation of ketones. Inorganica Chimica Acta, 2020, 499, 119199.	2.4	4
45	Active ruthenium(II)-NHC complexes for alkylation of amines with alcohols using solvent-free conditions. Polyhedron, 2020, 175, 114234.	2.2	8
46	Synthesis, structures and catalytic activity of Pd(II) saccharinate complexes with monophosphines in direct arylation of five-membered heteroarenes with aryl bromides. Inorganica Chimica Acta, 2020, 500, 119220.	2.4	9
47	Therapeutic potential of coumarin bearing metal complexes: Where are we headed?. Bioorganic and Medicinal Chemistry Letters, 2020, 30, 126805.	2.2	27
48	Synthesis, structural characterization of silver(I)-NHC complexes and their antimicrobial, antioxidant and antitumor activities. Journal of King Saud University - Science, 2020, 32, 1544-1554.	3.5	28
49	N-heterocyclic carbene palladium complexes with different N-coordinated ligands: Comparison of their catalytic activities in Suzuki-Miyaura and Mizoroki-Heck reactions. Polyhedron, 2020, 176, 114271.	2.2	9
50	Arylation of heterocyclic compounds by benzimidazole-based N-heterocyclic carbene-palladium(II) complexes. Journal of Organometallic Chemistry, 2020, 907, 121076.	1.8	6
51	Wellâ€defined PEPPSIâ€themed palladiumâ€“NHC complexes: synthesis, and catalytic application in the direct arylation of heteroarenes. Applied Organometallic Chemistry, 2020, 34, e5387.	3.5	19
52	Palladium-carbene catalyzed direct arylation of five-membered heteroaromatics. Journal of Molecular Structure, 2020, 1206, 127668.	3.6	12
53	Metal-NHC heterocycle complexes in catalysis and biological applications: Systematic review. Materials Today: Proceedings, 2020, 31, S122-S129.	1.8	24
54	Anticancer, antimicrobial and antiparasitical activities of copper(I) complexes based onN-heterocyclic carbene (NHC) ligands bearing aryl substituents. Journal of Coordination Chemistry, 2020, 73, 2889-2905.	2.2	20

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55	Silver(I) N-heterocyclic carbene complexes: Synthesis, characterization and cytotoxic properties. Journal of Organometallic Chemistry, 2020, 923, 121434.	1.8	6
56	Synthesis, antimicrobial properties, and theoretical analysis of benzimidazole-2-ylidene silver(I) complexes. Journal of Coordination Chemistry, 2020, 73, 1967-1986.	2.2	28
57	Biological Activities of NHCâ€“Pd(II) Complexes Based on Benzimidazolylidene N-heterocyclic Carbene (NHC) Ligands Bearing Aryl Substituents. Catalysts, 2020, 10, 1190.	3.5	19
58	Reduction hydrogenation of imines by in situ generated rhodium NHC complexes. Journal of Molecular Structure, 2020, 1216, 128351.	3.6	4
59	Synthesis, characterization and antitumor properties of novel silver(I) and gold(I) N-heterocyclic carbene complexes. Inorganica Chimica Acta, 2020, 506, 119530.	2.4	22
60	Synthesis, characterization, biological determination and catalytic evaluation of ruthenium(ii) complexes bearing benzimidazole-based NHC ligands in transfer hydrogenation catalysis. New Journal of Chemistry, 2020, 44, 5309-5323.	2.8	18
61	Novel amine-functionalized benzimidazolium salts: Synthesis, characterization, bioactivity, and molecular docking studies. Journal of Molecular Structure, 2020, 1207, 127802.	3.6	34
62	The direct C4-arylation of 3,5-dimethylisoxazole with aryl bromides catalyzed by imidazolidin-2-ylidene based palladium-PEPPSI complexes. Inorganica Chimica Acta, 2020, 504, 119454.	2.4	14
63	First used of Alkylbenzimidazole-Cobalt(II) complexes as a catalyst for the N-Alkylation of amines with alcohols under solvent-free medium. Journal of Organometallic Chemistry, 2020, 918, 121285.	1.8	10
64	The first used butylene linked bis(N-heterocyclic carbene)-palladium-PEPPSI complexes in the direct arylation of furan and pyrrole. Journal of Organometallic Chemistry, 2020, 915, 121236.	1.8	19
65	Azo-azomethine based palladium(II) complexes as catalysts for the Suzuki-Miyaura cross-coupling reaction. Journal of Molecular Structure, 2020, 1216, 128279.	3.6	9
66	Catecholâ€bearing imidazolium and benzimidazolium chlorides as promising antimicrobial agents. Archiv Der Pharmazie, 2020, 353, e2000013.	4.1	12
67	Investigation of hybridâ€capacitor properties of ruthenium complexes. International Journal of Energy Research, 2019, 43, 6840.	4.5	7
68	The kinetics and mechanism of polymerâ€based NHCâ€Pdâ€pyridine catalyzed heterogeneous Suzuki reaction in aqueous media. International Journal of Chemical Kinetics, 2019, 51, 931-942.	1.6	4
69	Bioactive NHC-derived palladium complexes: synthesis, catalytic activity for the Suzuki-Miyaura coupling of aryl chlorides and bromides and their antibacterial activities. Journal of Coordination Chemistry, 2019, 72, 2688-2704.	2.2	4
70	Preparation and characterization of PEPPSI-palladium N-heterocyclic carbene complexes using benzimidazolium salts catalyzed Suzukiâ€“Miyaura cross coupling reaction and their antitumor and antimicrobial activities. Journal of Coordination Chemistry, 2019, 72, 516-527.	2.2	23
71	Synthesis and investigation of catalytic activity of phenylene â€“ And biphenylene bridged bimetallic Palladium-PEPPSI complexes. Journal of Organometallic Chemistry, 2019, 896, 162-167.	1.8	22
72	Enhanced Ï€-back-donation resulting in thetranslabilization of a pyridine ligand in an N-heterocyclic carbene (NHC) Pd^{II}precatalyst: a case study. Acta Crystallographica Section C, Structural Chemistry, 2019, 75, 941-950.	0.5	13

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73	Synthesis of bridged palladium-PEPPSI complexes and catalytic studies in Câ€“C cross-coupling reactions. Inorganica Chimica Acta, 2019, 495, 118969.	2.4	23
74	Synthesis of novel Ag(I)-N-heterocyclic carbene complexes soluble in both water and dichloromethane and their antimicrobial studies. Journal of Coordination Chemistry, 2019, 72, 2080-2090.	2.2	9
75	Platinum (II) Nâ€heterocyclic carbene complexes: Synthesis, characterization and cytotoxic properties. Applied Organometallic Chemistry, 2019, 33, e4851.	3.5	7
76	5-Nitrobenzimidazole containing Pd(II) catalyzed C C cross-coupling reactions: The effect of the N-substituent of the benzimidazole structure on catalyst activity. Journal of Molecular Structure, 2019, 1192, 172-177.	3.6	10
77	Ruthenium(II)â€(Arene)â€Nâ€Heterocyclic Carbene Complexes: Efficient and Selective Catalysts for the Nâ€Alkylation of Aromatic Amines with Alcohols. European Journal of Inorganic Chemistry, 2019, 2019, 2598-2606.	2.0	18
78	PEPPSI-Pd-NHC catalyzed Suzuki-Miyaura cross-coupling reactions in aqueous media. Tetrahedron, 2019, 75, 2306-2313.	1.9	34
79	Ruthenium(II)-NHC-catalyzed (NHCâ€‰=â€‰perhydrobenzimidazol-2-ylidene) alkylation of amines using the hydrogen borrowing methodology under solvent-free conditions. Transition Metal Chemistry, 2019, 44, 565-573.	1.4	4
80	Synthesis and catalytic activity of ionic palladiumN-heterocyclic carbenecomplexes. Turkish Journal of Chemistry, 2019, 43, 1622-1633.	1.2	6
81	Direct arylation of heteroarenes by PEPPSI-type palladiumâ€“NHC complexes and representative quantum chemical calculations for the compound which the structure was determined by X-ray crystallography. Journal of Coordination Chemistry, 2019, 72, 3258-3284.	2.2	9
82	Preparation and spectroscopic studies of Fe(II), Ru(II), Pd(II) and Zn(II) complexes of Schiff base containing terephthalaldehyde and their transfer hydrogenation and Suzuki-Miyaura coupling reaction. Open Chemistry, 2019, 17, 571-580.	1.9	21
83	Ru(<scp>ii</scp>)â€“N-heterocyclic carbene complexes: synthesis, characterization, transfer hydrogenation reactions and biological determination. RSC Advances, 2019, 9, 34406-34420.	3.6	22
84	Novel Nâ€Alkylbenzimidazoleâ€Ruthenium (II) complexes: Synthesis and catalytic activity of Nâ€alkylating reaction under solventâ€free medium. Applied Organometallic Chemistry, 2019, 33, e4704.	3.5	19
85	Amine-fnctionalized silver and gold N-heterocyclic carbene complexes: Synthesis, characterization and antitumor properties. Journal of Organometallic Chemistry, 2019, 882, 26-32.	1.8	26
86	Synthesis, spectroscopic properties and biological activity of new Cu(I) N-Heterocyclic carbene complexes. Journal of Molecular Structure, 2019, 1181, 209-219.	3.6	15
87	In situ palladium/N-heterocyclic carbene complex catalyzed carbonylative cross-coupling reactions of arylboronic acids with 2-bromopyridine under CO pressure: efficient synthesis of unsymmetrical arylpyridine ketones and their antimicrobial activities. Transition Metal Chemistry, 2019, 44, 321-328.	1.4	4
88	Novel N-heterocyclic carbene silver(I) complexes: Synthesis, structural characterization, and anticancer activity. Inorganica Chimica Acta, 2019, 486, 711-718.	2.4	36
89	Imidazolinium chloride salts bearing wingtip groups: Synthesis, molecular docking and metabolic enzymes inhibition. Journal of Molecular Structure, 2019, 1179, 709-718.	3.6	84
90	Theoretical analysis of frontier orbitals, electronic transitions, and global reactivity descriptors of M(CO)4L2 type metal carbonyl complexes: a DFT/TDDFT study. Structural Chemistry, 2019, 30, 769-775.	2.0	31

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91	Cationic versus anionic Pt complex: The performance analysis of a hybrid-capacitor, DFT calculation and electrochemical properties. Polyhedron, 2019, 157, 434-441.	2.2	8
92	Synthesis, characterization and anticancer activity of allyl substituted N-Heterocyclic carbene silver(I) complexes. Journal of Molecular Structure, 2019, 1179, 92-99.	3.6	35
93	Palladium PEPPSI complexes: Synthesis and catalytic activity on the Suzuki-Miyaura coupling reactions for aryl bromides at room temperature in aqueous media. Inorganica Chimica Acta, 2018, 478, 187-194.	2.4	36
94	Sonogashira cross-coupling reaction catalysed by mixed NHC-Pd-PPh 3 complexes under copper free conditions. Journal of Organometallic Chemistry, 2018, 860, 59-71.	1.8	36
95	N-Heterocyclic carbene-Pd(II)-PPh₃ complexes as a new highly efficient catalyst system for the Sonogashira cross-coupling reaction: Synthesis, characterization and biological activities. Journal of Coordination Chemistry, 2018, 71, 183-199.	2.2	31
96	Ruthenium(II)â€(pâ€cymene)â€Nâ€Heterocyclic Carbene Complexes for the Nâ€Alkylation of Amine Using the Green Hydrogen Borrowing Methodology. European Journal of Inorganic Chemistry, 2018, 2018, 1236-1243.	2.0	33
97	Pentacoordinated Rhodium(I) Complexes Supported by Coumarin-Functionalized N-Heterocyclic Carbene Ligands. Organometallics, 2018, 37, 191-202.	2.3	26
98	Investigation of potential hybrid capacitor property of chelated N-Heterocyclic carbene Ruthenium(II) complex. Journal of Organometallic Chemistry, 2018, 866, 214-222.	1.8	14
99	Palladium(II)â€Nâ€Heterocyclic Carbene Complexes: Efficient Catalysts for the Direct Câ€H Bond Arylation of Furans with Aryl Halides. Applied Organometallic Chemistry, 2018, 32, e4399.	3.5	24
100	Palladium(II)- N -heterocyclic carbene-catalyzed direct C2- or C5-arylation of thiazoles with aryl bromides. Tetrahedron, 2018, 74, 2837-2845.	1.9	22
101	Synthesis of N-heterocyclic carbene-palladium-PEPPSI complexes and their catalytic activity in the direct C-H bond activation. Journal of Organometallic Chemistry, 2018, 867, 404-412.	1.8	45
102	Sonogashira cross-coupling reaction catalyzed by N-heterocyclic carbene-Pd(II)-PPh3 complexes under copper free and aerobic conditions. Inorganica Chimica Acta, 2018, 469, 325-334.	2.4	28
103	Alkylation of cyclic amines with alcohols catalyzed by Ru(II) complexes bearing N -Heterocyclic carbenes. Tetrahedron, 2018, 74, 645-651.	1.9	10
104	Efficient in situ N-heterocyclic carbene palladium(<scp>ii</scp>) generated from Pd(OAc)₂ catalysts for carbonylative Suzuki coupling reactions of arylboronic acids with 2-bromopyridine under inert conditions leading to unsymmetrical arylpyridine ketones: synthesis, characterization and cytotoxic activities. RSC Advances, 2018, 8, 40000-40015.	3.6	13
105	Pd-N-Heterocyclic carbene catalysed Suzuki-Miyaura coupling reactions in aqueous medium. Arkivoc, 2018, 2018, 230-239.	0.5	7
106	Direct Câ€H Bond Arylation of C2â€Blocked Pyrrole with Aryl Halides Using Palladium(II)â€Nâ€Heterocyclic Carbene Catalysts. ChemistrySelect, 2018, 3, 5600-5607.	1.5	15
107	Synthesis, spectral, X-ray diffraction and DFT studies on 1-(2-methyl-2-propenyl)-3-(2,3,4,5,6-pentamethylbenzyl)benzimidazolium chloride hydrate. Molecular Crystals and Liquid Crystals, 2018, 664, 109-123.	0.9	8
108	Ruthenium(Î·6,Î·1-arene-CH2-NHC) Catalysts for Direct Arylation of 2-Phenylpyridine with (Hetero)Aryl Chlorides in Water. Molecules, 2018, 23, 647.	3.8	25

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109	Direct Câ€”H Bond Activation of Benzoxazole and Benzothiazole with Aryl Bromides Catalyzed by Palladium(II)â€Nâ€heterocyclic Carbene Complexes. Chinese Journal of Chemistry, 2018, 36, 837-844.	4.9	18
110	PEPPSI-Type Palladium-NHC Complexes: Synthesis, Characterization, and Catalytic Activity in the Direct C5-Arylation of 2-Substituted Thiophene Derivatives with Aryl Halides. European Journal of Inorganic Chemistry, 2017, 2017, 1382-1391.	2.0	51
111	Ring-expanded iridium and rhodiumN-heterocyclic carbene complexes: a comparative DFT study of heterocycle ring size and metal center diversity. Journal of Coordination Chemistry, 2017, 70, 1270-1284.	2.2	20
112	Silverâ€“Nâ€Heterocyclic Carbene Complexes: Synthesis, Characterization, and Antimicrobial Properties. Journal of the Chinese Chemical Society, 2017, 64, 420-426.	1.4	19
113	Synthesis and catalytic applications of palladium N-heterocyclic carbene complexes as efficient pre-catalysts for Suzukiâ€“Miyaura and Sonogashira coupling reactions. New Journal of Chemistry, 2017, 41, 5105-5113.	2.8	73
114	Synthesis and antimicrobial activity of bulky 3,5â€diâ€tertâ€butyl substituentâ€containing silverâ€“Nâ€heterocyclic carbene complexes. Applied Organometallic Chemistry, 2017, 31, e3803.	3.5	23
115	Palladium(II) N-heterocyclic carbene complexes as catalysts for the direct arylation of pyrrole derivatives with aryl chlorides. Inorganica Chimica Acta, 2017, 465, 44-49.	2.4	12
116	Anticancer activities of manganese-based photoactivatable CO-releasing complexes (PhotoCORMs) with benzimidazole derivative ligands. Transition Metal Chemistry, 2017, 42, 331-337.	1.4	25
117	Copper-catalyzed azideâ€“alkyne cycloaddition (CuAAC) under mild condition in water: Synthesis, catalytic application and biological activities. Journal of Organometallic Chemistry, 2017, 853, 49-63.	1.8	19
118	Synthesis of sterically hindered N-benzyladamantyl substituted benzimidazol-2-ylidene palladium complexes and investigation of their catalytic activity in aqueous medium. Tetrahedron, 2017, 73, 5940-5945.	1.9	24
119	An efficient (NHC) Copper (I)-catalyst for azideâ€“alkyne cycloaddition reactions for the synthesis of 1,2,3-trisubstituted triazoles: Click chemistry. Inorganica Chimica Acta, 2017, 467, 21-32.	2.4	26
120	An Efficient Protocol for Palladium Nâ€Heterocyclic Carbeneâ€Catalysed Suzukiâ€Miyaura Reaction at room temperature. ChemistrySelect, 2017, 2, 5729-5734.	1.5	16
121	Rhodium(I) N-heterocyclic carbene complexes as catalysts for the hydrosilylation of aromatic ketones with triethylsilane. Inorganica Chimica Acta, 2017, 467, 75-79.	2.4	7
122	A novel ditopic ring-expanded N-heterocyclic carbene ligand-assisted Suzuki-Miyaura coupling reaction in aqueous media. Tetrahedron Letters, 2017, 58, 3529-3532.	1.4	22
123	A Palladium Catalyst System for the Efficient Cross-Coupling Reaction of Aryl Bromides and Chlorides with Phenylboronic Acid: Synthesis and Biological Activity Evaluation. Molecules, 2017, 22, 420.	3.8	14
124	Arylation of Aniline and Amines by Pd-(N-Heterocyclic Carbene) Complexes. Heterocycles, 2017, 94, 1506.	0.7	2
125	The Influence of Imidazolylidene Ligands with Bulky Resorcinarenyl Substituents on Catalysts for ÂSuzukiâ€“Miyaura Coupling. European Journal of Inorganic Chemistry, 2016, 2016, 1115-1120.	2.0	25
126	Carbon monoxide-releasing properties and DFT/TDDFT analysis of [Mn(CO) 3 (bpy)L]PF 6 type novel manganese complexes. Journal of Organometallic Chemistry, 2016, 815-816, 16-22.	1.8	18

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127	CO-releasing properties and anticancer activities of manganese complexes with imidazole/benzimidazole ligands. Journal of Coordination Chemistry, 2016, 69, 3384-3394.	2.2	35
128	A theoretical insight for solvent effect on myoglobin assay of W(CO)4L2 type novel complexes with DFT/TDDFT. Journal of Molecular Structure, 2016, 1123, 433-440.	3.6	7
129	Synthesis of palladium complexes derived from imidazolidinâ€2â€ylidene ligands and used for catalytic amination reactions. Applied Organometallic Chemistry, 2016, 30, 1050-1055.	3.5	4
130	Novel benzimidazol-2-ylidene carbene precursors and their silver(I) complexes: Potential antimicrobial agents. Bioorganic and Medicinal Chemistry, 2016, 24, 3649-3656.	3.0	44
131	Structure, CO-releasing property, electrochemistry, DFT calculation, and antioxidant activity of benzimidazole derivative substituted [Mn(CO)3(bpy)L]PF6 type novel manganese complexes. Inorganica Chimica Acta, 2016, 450, 182-189.	2.4	22
132	Synthesis of silver(I) and palladium(II) N-heterocyclic carbene complexes and their use as catalysts for the direct C5 arylation of heteroaromatic compounds. Transition Metal Chemistry, 2016, 41, 751-757.	1.4	7
133	Benzimidazolium sulfonate ligand precursors and application in ruthenium-catalyzed aromatic amine alkylation with alcohols. Catalysis Communications, 2016, 74, 33-38.	3.3	34
134	Copperâ€Catalysed Allylic Substitution Using 2,8,14,20â€Tetrapentylresorcinarenylâ€Substituted Imidazolium Salts. European Journal of Organic Chemistry, 2015, 2015, 7310-7316.	2.4	16
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