Ismail Ozdemir

List of Publications by Year in descending order

316 papers	7,099 citations	81743 39 h-index	128067 60 g-index
320 all docs	320 docs citations	320 times ranked	4028 citing authors

#	Article	IF	Citations
1	Direct Arylation of Arene Câ^'H Bonds by Cooperative Action of NHCarbeneâ^'Ruthenium(II) Catalyst and Carbonate via Proton Abstraction Mechanism. Journal of the American Chemical Society, 2008, 130, 1156-1157.	6.6	367
2	6-Mesityl,1-Imidazolinylideneâ€"Carbeneâ€"Ruthenium(II) Complexes: Catalytic Activity of their Allenylidene Derivatives in Alkene Metathesis and Cycloisomerisation Reactions. Chemistry - A European Journal, 2003, 9, 2323-2330.	1.7	149
3	Selective palladium-catalyzed arylation(s) of benzaldehyde derivatives by N-heterocarbene ligands. Tetrahedron Letters, 2005, 46, 2273-2277.	0.7	127
4	First ruthenium complexes with a chelating arene carbene ligand as catalytic precursors for alkene metathesis and cycloisomerisation. New Journal of Chemistry, 2001, 25, 519-521.	1.4	117
5	Synthesis and catalytic properties of N-functionalized carbene complexes of rhodium(I) and ruthenium(II). Journal of Organometallic Chemistry, 1997, 534, 153-158.	0.8	108
6	Synthesis of a water-soluble carbene complex and its use as catalyst for the synthesis of 2,3-dimethylfuran. Journal of Organometallic Chemistry, 2001, 633, 27-32.	0.8	97
7	Active ruthenium-(N-heterocyclic carbene) complexes for hydrogenation of ketones. Applied Organometallic Chemistry, 2006, 20, 322-327.	1.7	92
8	Synthetic and antimicrobial studies on new gold(I) complexes of imidazolidin-2-ylidenes. Applied Organometallic Chemistry, 2004, 18, 318-322.	1.7	86
9	Imidazolinium chloride salts bearing wingtip groups: Synthesis, molecular docking and metabolic enzymes inhibition. Journal of Molecular Structure, 2019, 1179, 709-718.	1.8	84
10	Improved palladium-catalyzed coupling reactions of aryl halides using saturated N-heterocarbene ligands. Journal of Molecular Catalysis A, 2004, 209, 23-28.	4.8	76
11	Ruthenium-carbene catalysts for the synthesis of 2,3-dimethylfuran. Journal of Molecular Catalysis A, 1997, 118, L1-L4.	4.8	75
12	Nâ€Heterocyclic Carbenes: Useful Ligands for the Palladiumâ€Catalysed Direct C5 Arylation of Heteroaromatics with Aryl Bromides or Electronâ€Deficient Aryl Chlorides. European Journal of Inorganic Chemistry, 2010, 2010, 1798-1805.	1.0	75
13	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.	1.4	73
14	Synthesis, characterization and the Suzukiâ€"Miyaura coupling reactions of N-heterocyclic carbeneâ€"Pd(II)â€"pyridine (PEPPSI) complexes. Journal of Organometallic Chemistry, 2015, 776, 107-112.	0.8	72
15	Catalytic Double Addition of Diazo Compounds to Alkynes:Â Synthesis of Functional Conjugated Dienes. Journal of the American Chemical Society, 2000, 122, 7400-7401.	6.6	67
16	Ruthenium(II) N-heterocyclic Carbene Complexes in the Transfer Hydrogenation of Ketones. Transition Metal Chemistry, 2005, 30, 831-835.	0.7	66
17	Synthesis and immobilization of N-heterocyclic carbene complexes of Ru(II): catalytic activity and recyclability for the furan formation. Journal of Molecular Catalysis A, 2002, 184, 31-38.	4.8	62
18	Synthesis, characterization and antimicrobial activity of new silver complexes with N-heterocyclic carbene ligands. Inorganica Chimica Acta, 2010, 363, 3803-3808.	1.2	62

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19	Novel benzimidazolium salts and their silver complexes: Synthesis and antibacterial properties. Inorganic Chemistry Communication, 2012, 21, 142-146.	1.8	62
20	Synthesis of new aminophosphine complexes and their catalytic activities in Câ€“C coupling reactions. Journal of Organometallic Chemistry, 2008, 693, 2693-2699.	0.8	59
21	Silica-supported 3-4,5-dihydroimidazol-1-yl-propyltriethoxysilanedichloropalladium(II) complex: Heck and Suzuki cross-coupling reactions. Applied Organometallic Chemistry, 2003, 17, 776-780.	1.7	54
22	Synthesis, Characterization and Catalytic Activity of New N-Heterocyclic Bis(carbene)ruthenium Complexes. European Journal of Inorganic Chemistry, 2009, 2009, 1942-1949.	1.0	54
23	Preparation of a series of Ru(<scp>ii</scp>) complexes with N-heterocyclic carbeneligands for the catalytic transfer hydrogenation of aromatic ketones. Dalton Transactions, 2012, 41, 2330-2339.	1.6	54
24	N-Alkylation and N,C-Dialkylation of Amines with Alcohols in the Presence of Ruthenium Catalysts with Chelating N-Heterocyclic Carbene Ligands. Organometallics, 2015, 34, 2296-2304.	1.1	51
25	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.	1.0	51
26	Palladium-catalyzed Suzuki reaction using 1,3-dialkylbenzimidazol-2-ylidene ligands in aqueous media. Heteroatom Chemistry, 2004, 15, 419-423.	0.4	50
27	In situ generated palladium catalysts bearing 1,3-dialkylperimidin-2-yline ligands for Suzuki reactions of aryl chlorides. Journal of Molecular Catalysis A, 2004, 217, 37-40.	4.8	49
28	Chelating Î·6-Arene-Î·1-carbene Ligands in Ruthenium Complexes. European Journal of Inorganic Chemistry, 2007, 2007, 2862-2869.	1.0	49
29	Benzylic Imidazolidinium, 3,4,5,6â€Tetrahydropyrimidinium and Benzimidazolium Salts: Applications in Rutheniumâ€Catalyzed Allylic Substitution Reactions. European Journal of Organic Chemistry, 2008, 2008, 2142-2149.	1.2	47
30	Transfer Hydrogenation of Ketones by Ruthenium Complexes Bearing Benzimidazolâ€2â€ylidene Ligands. European Journal of Inorganic Chemistry, 2010, 2010, 3051-3056.	1.0	46
31	Palladium-catalysed Suzuki reaction of aryl chlorides in aqueous media using 1,3-dialkylimidazolidin-2-ylidene ligands. Applied Organometallic Chemistry, 2005, 19, 55-58.	1.7	45
32	Use of bis(benzimidazolium)â€“palladium system as a convenient catalyst for Heck and Suzuki coupling reactions of aryl bromides and chlorides. Applied Organometallic Chemistry, 2006, 20, 254-259.	1.7	45
33	Cross coupling reactions catalyzed by (NHC)Pd(II) complexes. Turkish Journal of Chemistry, 2015, 39, 1115-1157.	0.5	45
34	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.	0.8	45
35	Novel benzimidazol-2-ylidene carbene precursors and their silver(I) complexes: Potential antimicrobial agents. Bioorganic and Medicinal Chemistry, 2016, 24, 3649-3656.	1.4	44
36	N-Heterocyclic carbeneâ€“palladium catalysts for the direct arylation of pyrrole derivatives with aryl chlorides. Beilstein Journal of Organic Chemistry, 2013, 9, 303-312.	1.3	43

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37	Use of tetrahydropyrimidinium salts for highly efficient palladium-catalyzed cross-coupling reactions of aryl bromides and chlorides. Tetrahedron, 2005, 61, 9791-9798.	1.0	42
38	Synthesis and antimicrobial activity of Ag(I)â€Nâ€heterocyclic carbene complexes derived from benzimidazolâ€2â€ylidene. Applied Organometallic Chemistry, 2010, 24, 758-762.	1.7	42
39	Microstructural refinement and wear property of Alâ€“Siâ€“Cu composite subjected to extrusion and high-pressure torsion. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2014, 618, 377-384.	2.6	42
40	Access to 3-Methyl-4-methylene-N-tosylpyrrolidine and 3,4-DimethylN-tosylpyrroline by Ruthenium-Catalyzed Cascade Cycloisomerization/Isomerization Reactions. European Journal of Inorganic Chemistry, 2004, 2004, 418-422.	1.0	41
41	Surface Modification of Inorganic Oxide Particles with a Carbene Complex of Palladium: A Recyclable Catalyst for the Suzuki Reaction. Journal of Inorganic and Organometallic Polymers, 2004, 14, 149-159.	1.5	40
42	Synthesis of novel rhodiumâ€“carbene complexes as efficient catalysts for addition of phenylboronic acid to aldehydes. Journal of Molecular Catalysis A, 2004, 215, 45-48.	4.8	40
43	Synthesis and use of mono- or bisxylyl linked bis(benzimidazolium) bromides as carbene precursors for Câ€“C bond formation reactions. Journal of Organometallic Chemistry, 2008, 693, 425-434.	0.8	39
44	Palladium(II)ï£¿NHC complexes containing benzimidazole ligand as a catalyst for Cï£¿N bond formation. Applied Organometallic Chemistry, 2011, 25, 163-167.	1.7	39
45	2-Imidazolineâ€“ and 1,4,5,6-tetrahydropyrimidineâ€“ruthenium(II) complexes and catalytic synthesis of furan. Journal of Organometallic Chemistry, 1999, 575, 187-192.	0.8	38
46	Benzimidazole, Benzothiazole and Benzoxazole Ruthenium(II) Complexes; Catalytic Synthesis of 2,3-Dimethylfuran. European Journal of Inorganic Chemistry, 2000, 2000, 29-32.	1.0	38
47	In situ generated 1-alkylbenzimidazoleâ€“palladium catalyst for the Suzuki coupling of aryl chlorides. Journal of Molecular Catalysis A, 2005, 234, 181-185.	4.8	38
48	Suzukiâ€“Miyaura Reaction of Unactivated Aryl Chlorides Using Benzimidazolâ€2â€Ylidene Ligands. Synthetic Communications, 2004, 34, 4135-4144.	1.1	36
49	Mono- and dinuclear Pd(II) complexes of different salicylaldimine ligands as catalysts of transfer hydrogenation of nitrobenzene with cyclohexene and Suzukiâ€“Miyaura coupling reactions. Journal of Organometallic Chemistry, 2009, 694, 446-454.	0.8	36
50	Synthesis, characterization and catalytic activity of novel N-heterocyclic carbene-palladium complexes. Dalton Transactions, 2009, , 7087.	1.6	36
51	Synthesis and characterization of ether-derivatized aminophosphines and their application in Câ€“C coupling reactions. Inorganica Chimica Acta, 2010, 363, 1039-1047.	1.2	36
52	Synthesis and characterization of bidentate NHCâ€“Pd complexes and their role in amination reactions. Polyhedron, 2011, 30, 195-200.	1.0	36
53	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.	1.2	36
54	Sonogashira cross-coupling reaction catalysed by mixed NHC-Pd-PPh 3 complexes under copper free conditions. Journal of Organometallic Chemistry, 2018, 860, 59-71.	0.8	36

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55	Novel N-heterocyclic carbene silver(I) complexes: Synthesis, structural characterization, and anticancer activity. Inorganica Chimica Acta, 2019, 486, 711-718.	1.2	36
56	Palladium-Catalyzed Suzukiâ€“Miyaura Reaction Using Saturated N-Heterocarbene Ligands. Catalysis Letters, 2004, 97, 37-40.	1.4	35
57	CO-releasing properties and anticancer activities of manganese complexes with imidazole/benzimidazole ligands. Journal of Coordination Chemistry, 2016, 69, 3384-3394.	0.8	35
58	Synthesis, characterization and anticancer activity of allyl substituted N-Heterocyclic carbene silver(I) complexes. Journal of Molecular Structure, 2019, 1179, 92-99.	1.8	35
59	Novel rhodium-1,3-dialkyl-3,4,5,6-tetrahydropyrimidin-2-ylidene complexes as catalysts for arylation of aromatic aldehydes. Journal of Organometallic Chemistry, 2005, 690, 5849-5855.	0.8	34
60	Regioselective allylic alkylation and etherification catalyzed by in situ generated N-heterocyclic carbene ruthenium complexes. Tetrahedron Letters, 2006, 47, 535-538.	0.7	34
61	Synthesis and catalytic properties of novel ruthenium N-heterocyclic-carbene complexes. Journal of Organometallic Chemistry, 2009, 694, 4025-4031.	0.8	34
62	Benzimidazolium sulfonate ligand precursors and application in ruthenium-catalyzed aromatic amine alkylation with alcohols. Catalysis Communications, 2016, 74, 33-38.	1.6	34
63	PEPPSI-Pd-NHC catalyzed Suzuki-Miyaura cross-coupling reactions in aqueous media. Tetrahedron, 2019, 75, 2306-2313.	1.0	34
64	Novel amine-functionalized benzimidazolium salts: Synthesis, characterization, bioactivity, and molecular docking studies. Journal of Molecular Structure, 2020, 1207, 127802.	1.8	34
65	Synthesis of novel 1-alkylimidazoline and 1-alkylbenzimidazole palladium(II) complexes as efficient catalysts for Heck and Suzuki reactions involving arylchlorides. Journal of Molecular Catalysis A, 2004, 208, 109-114.	4.8	33
66	Palladium(II)â€Nâ€heterocyclic carbene complexes: synthesis, characterization and catalytic application. Applied Organometallic Chemistry, 2014, 28, 423-431.	1.7	33
67	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.	1.0	33
68	Benzimidazolin-2-ylidene-palladium-catalysed coupling reactions of aryl halides. Applied Organometallic Chemistry, 2005, 19, 870-874.	1.7	32
69	Synthesis and characterization of N-heterocyclic carbene palladium complex and its application on direct arylation of benzoxazoles and benzothiazoles with aryl bromides. Journal of Coordination Chemistry, 2009, 62, 2591-2599.	0.8	32
70	Synthesis of new ironâ€“NHC complexes as catalysts for hydrosilylation reactions. Applied Organometallic Chemistry, 2013, 27, 459-464.	1.7	32
71	Palladium Complexes with Tetrahydropyrimidin-2-ylidene Ligands: Catalytic Activity for the Direct Arylation of Furan, Thiophene, and Thiazole Derivatives. Organometallics, 2015, 34, 2487-2493.	1.1	32
72	Synthesis of silica-supported rhodium carbene complex as efficient catalyst for the addition of phenylboronic acid to aldehydes. Applied Organometallic Chemistry, 2005, 19, 633-638.	1.7	31

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73	Resorcinareneâ€Functionalised Imidazolium Salts as Ligand Precursors for Palladiumâ€Catalysed Suzukiâ€“Miyaura Crossâ€Couplings. ChemCatChem, 2013, 5, 1116-1125.	1.8	31
74	Transfer hydrogenation of ketones catalyzed by new rhodium and iridium complexes of aminophosphine containing cyclohexyl moiety and photosensing behaviors of rhodium and iridium based devices. Journal of Organometallic Chemistry, 2014, 758, 1-8.	0.8	31
75	The first used half sandwich ruthenium(II) complexes bearing benzimidazole moiety for N-alkylation of amines with alcohols. Journal of Organometallic Chemistry, 2014, 755, 134-140.	0.8	31
76	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.	0.8	31
77	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.	1.0	31
78	Palladium-Catalyzed Suzuki-Miyaura Reaction of Aryl Chlorides in Aqueous Media Using Tetrahydrodiazepinium Salts as Carbene Ligands. Synlett, 2005, 2005, 2394-2396.	1.0	30
79	Synthesis of novel palladiumN-heterocyclic-carbene complexes as catalysts for Heck and Suzuki cross-coupling reactions. Applied Organometallic Chemistry, 2006, 20, 187-192.	1.7	29
80	Synthesis of novel rhodiumâ€xylyl linked Nâ€heterocyclic carbene complexes as hydrosilylation catalysts. Applied Organometallic Chemistry, 2008, 22, 59-66.	1.7	29
81	Novel ruthenium(II)â€“N-heterocyclic carbene complexes; synthesis, characterization and catalytic application. Journal of Organometallic Chemistry, 2015, 789-790, 1-7.	0.8	29
82	Application ofN,N-bis(diphenylphosphino)aniline palladium(II) complexes as pre-catalysts in Heck coupling reactions. Applied Organometallic Chemistry, 2007, 21, 711-715.	1.7	28
83	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.	1.2	28
84	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.	1.6	28
85	Synthesis, antimicrobial properties, and theoretical analysis of benzimidazole-2-ylidene silver(I) complexes. Journal of Coordination Chemistry, 2020, 73, 1967-1986.	0.8	28
86	Synthesis and catalytic activity of novel xylylâ€linked benzimidazolium salts. Applied Organometallic Chemistry, 2009, 23, 520-523.	1.7	27
87	Therapeutic potential of coumarin bearing metal complexes: Where are we headed?. Bioorganic and Medicinal Chemistry Letters, 2020, 30, 126805.	1.0	27
88	The orthopalladation dinuclear [Pd(L1)(Î¼-OAc)]2, [Pd(L2)(Î¼-OAc)]2 and mononuclear [Pd(L3)2] complexes with [N, C, O] or [N, O] containing ligands: Synthesis, spectral characterization, electrochemistry and catalytic properties. Journal of Organometallic Chemistry, 2010, 695, 697-706.	0.8	26
89	Butylene linked palladium N-heterocyclic carbene complexes: Synthesis and catalytic properties. Journal of Organometallic Chemistry, 2011, 696, 2589-2593.	0.8	26
90	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.	1.2	26

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91	Pentacoordinated Rhodium(I) Complexes Supported by Coumarin-Functionalized N-Heterocyclic Carbene Ligands. Organometallics, 2018, 37, 191-202.	1.1	26
92	Amine-fnctionalized silver and gold N-heterocyclic carbene complexes: Synthesis, characterization and antitumor properties. Journal of Organometallic Chemistry, 2019, 882, 26-32.	0.8	26
93	Selenourea and thiourea derivatives of chiral and achiral enetetramines: Synthesis, characterization and enzyme inhibitory properties. Bioorganic Chemistry, 2022, 120, 105566.	2.0	26
94	Title is missing!. Journal of Inorganic and Organometallic Polymers, 2003, 13, 223-235.	1.5	25
95	Synthesis of novel palladiumâ€“carbene complexes as efficient catalysts for amination of aryl chlorides in ionic liquid. Journal of Molecular Catalysis A, 2004, 222, 97-102.	4.8	25
96	Ruthenium Nâ€heterocyclicâ€“carbene catalyzed diarylation of arene Cï£¿H bond. Applied Organometallic Chemistry, 2008, 22, 314-318.	1.7	25
97	The Influence of Imidazolylidene Ligands with Bulky Resorcinarenyl Substituents on Catalysts for ÂSuzukiâ€“Miyaura Coupling. European Journal of Inorganic Chemistry, 2016, 2016, 1115-1120.	1.0	25
98	Anticancer activities of manganese-based photoactivatable CO-releasing complexes (PhotoCORMs) with benzimidazole derivative ligands. Transition Metal Chemistry, 2017, 42, 331-337.	0.7	25
99	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.	1.7	25
100	Synthesis and characterisation of 1-alkyl-2-imidazoline complexes of noble metals; crystal structure of trans-[PtCl2{î€Nî€† C(H)N(Et)CH2Cî€H2}(PEt3)]. Journal of the Chemical Society Dalton Transactions, 1997, , 1359-1362.	1.1	24
101	Suzuki reaction of aryl chlorides using saturatedN-heterocarbene ligands. Heteroatom Chemistry, 2005, 16, 557-561.	0.4	24
102	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.	1.0	24
103	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.	1.7	24
104	Metal-NHC heterocycle complexes in catalysis and biological applications: Systematic review. Materials Today: Proceedings, 2020, 31, S122-S129.	0.9	24
105	Novel N-heterocyclic-carbeneâ€“rhodium complexes as hydrosilylation catalysts. Journal of Molecular Catalysis A, 2005, 241, 88-92.	4.8	23
106	Synthesis, characterization, and transfer hydrogenation of Ru(II)-N-heterocyclic carbene complexes. Journal of Coordination Chemistry, 2014, 67, 1236-1248.	0.8	23
107	Synthesis and antimicrobial activity of bulky 3,5â€diâ€tertâ€butyl substituentâ€containing silverâ€“Nâ€heterocyclic carbene complexes. Applied Organometallic Chemistry, 2017, 31, e3803.	1.7	23
108	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.	0.8	23

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109	Synthesis of bridged palladium-PEPPSI complexes and catalytic studies in Câ€“C cross-coupling reactions. Inorganica Chimica Acta, 2019, 495, 118969.	1.2	23
110	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.	0.8	23
111	Palladium-Catalyzed Heck Reaction of Aryl Bromides in Aqueous Media Using Tris(N-Heterocyclic) Tj ETQq1 1 0.784314 rgBT /Overloc	1.0	22
112	Nâ€functionalized azolinâ€2â€ylideneâ€palladiumâ€catalyzed heck reaction. Heteroatom Chemistry, 2008, 19, 82-86.	0.4	22
113	Synthesis, characterization, electrochemical behaviors and applications in the Suzukiâ€“Miyaura cross-coupling reactions of N2S2O2 thio Schiff base ligand and its Cu(II), Co(III), Ni(II), Pd(II) complexes and their usage in the fabrication of organicâ€“inorganic hybrid devices. Synthetic Metals, 2012, 161, 2765-2775.	2.1	22
114	Synthesis of ruthenium(II) N-heterocyclic carbene complexes and their catalytic activities in transfer hydrogenation of ketones. Transition Metal Chemistry, 2012, 37, 297-302.	0.7	22
115	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.	1.2	22
116	A novel ditopic ring-expanded N-heterocyclic carbene ligand-assisted Suzuki-Miyaura coupling reaction in aqueous media. Tetrahedron Letters, 2017, 58, 3529-3532.	0.7	22
117	Palladium(II)- N -heterocyclic carbene-catalyzed direct C2- or C5-arylation of thiazoles with aryl bromides. Tetrahedron, 2018, 74, 2837-2845.	1.0	22
118	Synthesis and investigation of catalytic activity of phenylene â€“ And biphenylene bridged bimetallic Palladium-PEPPSI complexes. Journal of Organometallic Chemistry, 2019, 896, 162-167.	0.8	22
119	Ru(<scp>ii</scp>)â€“N-heterocyclic carbene complexes: synthesis, characterization, transfer hydrogenation reactions and biological determination. RSC Advances, 2019, 9, 34406-34420.	1.7	22
120	Synthesis, characterization and antitumor properties of novel silver(I) and gold(I) N-heterocyclic carbene complexes. Inorganica Chimica Acta, 2020, 506, 119530.	1.2	22
121	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.	1.0	21
122	Synthesis of arylacetic acid derivatives from diethyl malonate using in situ formed palladium(1,3-dialkylimidazolidin-2-ylidene) catalysts. Tetrahedron Letters, 2004, 45, 5823-5825.	0.7	20
123	Rhodium-benzimidazolidin-2-ylidene catalyzed addition of arylboronic acids to aldehydes. Transition Metal Chemistry, 2005, 30, 367-371.	0.7	20
124	Subtle Steric Effects in Nickelâ€Catalysed Kumadaâ€“Tamaoâ€“Corriu Crossâ€Coupling Using Resorcinarenylâ€Imidazolium Salts. European Journal of Organic Chemistry, 2013, 2013, 4443-4449.	1.2	20
125	Synthesis, crystal structures, magnetic properties and Suzuki and Heck coupling catalytic activities of new coordination polymers containing tetracyanopalladate(II) anions. Polyhedron, 2013, 49, 50-60.	1.0	20
126	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.	0.8	20

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127	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.	0.8	20
128	PEPPSI type complexes: Synthesis, x-ray structures, spectral studies, molecular docking and theoretical investigations. Polyhedron, 2021, 204, 115281.	1.0	20
129	The Synthesis of Some Benzimidazolium Salts and Use as Carbene Precursors in the Heck and Suzuki Reactions. Heterocycles, 2010, 81, 943.	0.4	20
130	Synthesis, characterization, antimicrobial and antibiofilm activity, and molecular docking analysis of NHC precursors and their Ag-NHC complexes. Dalton Transactions, 2021, 50, 15400-15412.	1.6	20
131	Synthesis and properties of novel polyimides from dichloro (1,3-p-dimethylaminobenzylimidazolidine-2-ylidene) p-cymene ruthenium (II). Designed Monomers and Polymers, 2003, 6, 175-185.	0.7	19
132	Novel rhodium N-heterocyclic carbene catalysed arylation of aldehydes with phenylboronic acid. Transition Metal Chemistry, 2007, 32, 536-540.	0.7	19
133	Silverâ€“Nâ€Heterocyclic Carbene Complexes: Synthesis, Characterization, and Antimicrobial Properties. Journal of the Chinese Chemical Society, 2017, 64, 420-426.	0.8	19
134	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.	0.8	19
135	Novel Nâ€Alkylbenzimidazoleâ€Ruthenium (II) complexes: Synthesis and catalytic activity of Nâ€alkylating reaction under solventâ€free medium. Applied Organometallic Chemistry, 2019, 33, e4704.	1.7	19
136	Wellâ€defined PEPPSIâ€themed palladiumâ€“NHC complexes: synthesis, and catalytic application in the direct arylation of heteroarenes. Applied Organometallic Chemistry, 2020, 34, e5387.	1.7	19
137	Biological Activities of NHCâ€“Pd(II) Complexes Based on Benzimidazolylidene N-heterocyclic Carbene (NHC) Ligands Bearing Aryl Substituents. Catalysts, 2020, 10, 1190.	1.6	19
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