

Chiral N-heterocyclic carbenes as stereodirecting ligands

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Citation Report

#	ARTICLE	IF	CITATIONS
1	Kohlenstoff ans Steuer. Nachrichten Aus Der Chemie, 2005, 53, 139-143.	0.0	12
2	Design and synthesis of new bidentate alkoxy-NHC ligands for enantioselective copper-catalyzed conjugate addition. Journal of Organometallic Chemistry, 2005, 690, 5237-5254.	0.8	144
3	A stable (amino)(phosphino)carbene as bidentate ligand for palladium and nickel complexes: Synthesis, structure, and catalytic activity. Journal of Organometallic Chemistry, 2005, 690, 5541-5545.	0.8	23
4	Synthesis and structural chemistry of oxazoliny-carbene copper(I) complexes. Journal of Organometallic Chemistry, 2005, 690, 5556-5561.	0.8	28
5	N-heterocyclic carbenes from transition metal coordinated functional isocyanides of the type o-(CH ₂ Y)C ₆ H ₄ NC (Y=OSiMe ₃ , OH; N ₃ ;). Journal of Organometallic Chemistry, 2005, 690, 5414-5420.	0.8	39
6	Synthesis and asymmetric catalytic application of chiral imidazolium-phosphines derived from (1R,2R)-trans-diaminocyclohexane. Journal of Organometallic Chemistry, 2005, 690, 5822-5831.	0.8	63
7	Formation of chiral ionic liquids and imidazol-2-ylidene metal complexes from the proteinogenic aminoacid l-histidine. Journal of Organometallic Chemistry, 2005, 690, 5959-5972.	0.8	48
8	New bidentate alkoxy-NHC ligands for enantioselective copper-catalysed conjugate addition. Tetrahedron: Asymmetry, 2005, 16, 921-924.	1.8	111
9	Stable Cyclic (Alkyl)(Amino)Carbenes as Rigid or Flexible, Bulky, Electron-Rich Ligands for Transition-Metal Catalysts: A Quaternary Carbon Atom Makes the Difference. Angewandte Chemie - International Edition, 2005, 44, 5705-5709.	7.2	936
10	A Rigid Cyclic (Alkyl)(amino)carbene Ligand Leads to Isolation of Low-Coordinate Transition-Metal Complexes. Angewandte Chemie - International Edition, 2005, 44, 7236-7239.	7.2	260
11	Extending Mechanistic Routes in Heterazolium Catalysis-Promising Concepts for Versatile Synthetic Methods. Angewandte Chemie - International Edition, 2005, 44, 7506-7510.	7.2	389
15	Application of Rhodium Complexes of Chiral Diphenylphosphino-Functionalized N-Heterocyclic Carbenes as Catalysts in Enantioselective Conjugate Additions of Arylboronic Acids. Advanced Synthesis and Catalysis, 2005, 347, 1495-1498.	2.1	50
16	Designing the "Search Pathway" in the Development of a New Class of Highly Efficient Stereoselective Hydrosilylation Catalysts. Chemistry - A European Journal, 2005, 11, 2862-2873.	1.7	121
17	Chiral N-Heterocyclic Carbenes as Stereodirecting Ligands in Asymmetric Catalysis. ChemInform, 2005, 36, no.	0.1	0
18	Carbene ligands in diiron complexes. Journal of Organometallic Chemistry, 2005, 690, 5430-5440.	0.8	32
19	Novel rhodium complexes with ferrocene-based N-heterocyclic carbenes: Synthesis, structure and catalysis. Journal of Organometallic Chemistry, 2005, 690, 5747-5752.	0.8	51
20	Recycling of homogeneous Pd catalysts using superparamagnetic nanoparticles as novel soluble supports for Suzuki, Heck, and Sonogashira cross-coupling reactions. Chemical Communications, 2005, , 4435.	2.2	345
21	Dendrimer N-heterocyclic carbene complexes with rhodium(i) at the core. Chemical Communications, 2005, , 4526.	2.2	64

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22	Evidence for Radical Fragmentations from Persistent Singlet Carbenes. <i>Journal of the American Chemical Society</i> , 2005, 127, 3292-3293.	6.6	21
23	Modular Assembly of a Chiral Bis(oxazolanyl)carbene: A New Meridionally Coordinating Tridentate Spectator Ligand. <i>Organometallics</i> , 2005, 24, 4886-4888.	1.1	37
24	Synthesis and Characterization of Organometallic Ionic Liquids and a Heterometallic Carbene Complex Containing the Chromium Tricarbonyl Fragment. <i>Organometallics</i> , 2005, 24, 4039-4048.	1.1	29
25	Coordination Versatility of Pyridine-Functionalized N-Heterocyclic Carbenes: A Detailed Study of the Different Activation Procedures. Characterization of New Rh and Ir Compounds and Study of Their Catalytic Activity. <i>Inorganic Chemistry</i> , 2005, 44, 9961-9967.	1.9	137
26	Development of Building Blocks for the Synthesis of N-Heterocyclic Carbene Ligands. <i>Organic Letters</i> , 2005, 7, 4605-4608.	2.4	61
27	Stable Planar Six- π -Electron Six-Membered N-Heterocyclic Carbenes with Tunable Electronic Properties. <i>Journal of the American Chemical Society</i> , 2005, 127, 10182-10183.	6.6	119
28	Mechanistic Insights into an Unprecedented C \equiv C Bond Activation on a Rh/Ga Bimetallic Complex: A Combined Experimental/Computational Approach. <i>Journal of the American Chemical Society</i> , 2005, 127, 17068-17078.	6.6	58
29	Palladium(II) Complexes of a Sterically Bulky, Benzannulated N-Heterocyclic Carbene with Unusual Intramolecular C \equiv H \cdots A \cdots Pd and Ccarbene \cdots A \cdots Br Interactions and Their Catalytic Activities. <i>Organometallics</i> , 2006, 25, 3267-3274.	1.1	225
30	Chiral N-Heterocyclic Carbenes as Stereodirecting Ligands in Asymmetric Catalysis. <i>Topics in Organometallic Chemistry</i> , 2006, , 117-157.	0.7	37
31	Synthesis, Structure, and Applications of N-Dialkylamino-N \equiv -alkylimidazol-2-ylidenes as a New Type of NHC Ligands. <i>Organometallics</i> , 2006, 25, 6039-6046.	1.1	65
32	Hemilabile behavior of a thioether-functionalized N-heterocyclic carbene ligand. <i>Chemical Communications</i> , 2006, , 3833.	2.2	85
33	Synthesis of Transient and Stable C-Amino Phosphorus Ylides and Their Fragmentation into Transient and Stable Carbenes. <i>Journal of the American Chemical Society</i> , 2006, 128, 459-464.	6.6	55
34	Deprotonation Attempts on Imidazolium Salt Tethered by Substituted Phenol and Construction of Its Magnesium Complex by Transmetalation. <i>Organometallics</i> , 2006, 25, 5506-5509.	1.1	73
35	Discovery of an imidazo-phenanthridine synthon produced in a ϵ -five-step one-pot reaction TM leading to a new family of heterocycles with novel physical properties. <i>Chemical Communications</i> , 2006, , 1194.	2.2	30
36	Triruthenium and triosmium carbonyl clusters containing chiral bidentate NHC-thiolate ligands derived from levamisole. <i>Dalton Transactions</i> , 2006, , 3966-3971.	1.6	52
37	Chiral N-heterocyclic carbene ligands based on a bisquinoline template. <i>Dalton Transactions</i> , 2006, , 4922.	1.6	26
38	Mild and rational synthesis of palladium complexes comprising C(4)-bound N-heterocyclic carbenes. <i>Chemical Communications</i> , 2006, , 4495.	2.2	60
39	Synthesis and Fluorescent Properties of a New Class of Heterocycles of Isoindole Fused Imidazoles with Phenolic Subunits. <i>Organic Letters</i> , 2006, 8, 4263-4266.	2.4	59

#	ARTICLE	IF	CITATIONS
40	Reductive Cyclization of Diynes and Enynes Catalyzed by Allyl Platinum N-Heterocyclic Carbene Complexes. <i>Organometallics</i> , 2006, 25, 4240-4242.	1.1	62
41	Synthesis and Study of Bidentate Benzimidazolylidene-Group 10 Metal Complexes and Related Main-Chain Organometallic Polymers. <i>Organometallics</i> , 2006, 25, 6087-6098.	1.1	126
42	Synthesis and Reactivity of New Complexes of Rhodium and Iridium with Bis(dichloroimidazolylidene) Ligands. Electronic and Catalytic Implications of the Introduction of the Chloro Substituents in the NHC Rings. <i>Organometallics</i> , 2006, 25, 3063-3069.	1.1	100
43	Imino Sulfinamidines: Synthesis and Coordination Chemistry of a Novel Class of Chiral Bidentate Ligands. <i>Inorganic Chemistry</i> , 2006, 45, 3352-3358.	1.9	7
44	Piano-Stool Iron(II) Complexes as Probes for the Bonding of N-Heterocyclic Carbenes: Indications for π -Acceptor Ability. <i>Organometallics</i> , 2006, 25, 5648-5656.	1.1	185
45	Formation of Fischer-Type Aminocarbenes by a Double C-H Bond Activation of a Methylamino Group. <i>Organometallics</i> , 2006, 25, 4498-4503.	1.1	9
46	A Bidentate NHC-Alkenyl Ruthenium(II) Complex via Vinyl C-H Bond Activation. <i>Organometallics</i> , 2006, 25, 2126-2128.	1.1	60
47	Chiral N-Heterocyclic Carbene Ligands Derived from 2,2-Bipiperidine and Partially Reduced Biisoquinoline: Rhodium and Iridium Complexes in Asymmetric Catalysis. <i>Organometallics</i> , 2006, 25, 2449-2456.	1.1	110
48	Convenient, scalable and flexible method for the preparation of imidazolium salts with previously inaccessible substitution patterns. <i>Chemical Communications</i> , 2006, , 2176-2178.	2.2	99
49	Cyano-Phosphorylation of Aldehydes Catalyzed by a Nucleophilic N-Heterocyclic Carbene. <i>Chemical and Pharmaceutical Bulletin</i> , 2006, 54, 397-398.	0.6	24
50	Function of an N-Heterocyclic Carbene Ligand Based on Concept of Chiral Mimetic. <i>Chemical and Pharmaceutical Bulletin</i> , 2006, 54, 1576-1581.	0.6	39
51	Cyclic Diaminocarbene-Rhodium(I) Complex Tethered to Disulfide: Synthesis and Application to Gold Surface Modification. <i>Chemistry Letters</i> , 2006, 35, 870-871.	0.7	5
52	Ring Carbon Functionalization of N-Heterocyclic Carbene Ligand with Ester Groups. Electronic Effect of Ester Groups on Coordination Properties. <i>Bulletin of the Chemical Society of Japan</i> , 2006, 79, 1781-1786.	2.0	12
53	Chiral tetradentate amine and tridentate aminocarbene ligands: Synthesis, reactivity and X-ray structural characterizations. <i>Inorganica Chimica Acta</i> , 2006, 359, 4549-4556.	1.2	17
54	A new synthetic method for the preparation of protonated-NHCs and related compounds. <i>Journal of Organometallic Chemistry</i> , 2006, 691, 3201-3205.	0.8	74
55	Synthesis of chiral imino- and amino-imidazolium salts and of chelating amino-N-heterocyclic carbene palladium(II) complexes. <i>Journal of Organometallic Chemistry</i> , 2006, 691, 3498-3508.	0.8	33
56	Imidazol(in)ium-2-carboxylates as N-heterocyclic carbene precursors in ruthenium-arene catalysts for olefin metathesis and cyclopropanation. <i>Journal of Organometallic Chemistry</i> , 2006, 691, 5356-5365.	0.8	120
57	Palladium, rhodium and platinum complexes of ortho-xylyl-linked bis-N-heterocyclic carbenes: Synthesis, structure and catalytic activity. <i>Journal of Organometallic Chemistry</i> , 2006, 691, 5845-5855.	0.8	71

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58	Nickel-catalyzed coupling of terminal allenes, aldehydes, and silanes. <i>Tetrahedron</i> , 2006, 62, 11350-11359.	1.0	53
59	Synthesis of enantiopure 1-substituted, 1,2-disubstituted, and 1,4,5-trisubstituted imidazoles from 1,2-amino alcohols. <i>Tetrahedron</i> , 2006, 62, 8199-8206.	1.0	37
60	Toward phenanthridin-2-ylidene: electrophilicity versus acidity in planar-constrained C-aryl iminium salts. <i>Tetrahedron Letters</i> , 2006, 47, 531-534.	0.7	15
61	Development of an N-heterocyclic carbene ligand based on concept of chiral mimetic. <i>Tetrahedron Letters</i> , 2006, 47, 1417-1420.	0.7	67
62	New Synthetic Routes to C-Amino Phosphorus Ylides and their Subsequent Fragmentation into Carbenes and Phosphines. <i>Chemistry - an Asian Journal</i> , 2006, 1, 155-160.	1.7	27
63	Synthesis of new chiral N-heterocyclic carbenes from naturally occurring podophyllotoxin and their application to asymmetric allylic alkylation. <i>Tetrahedron: Asymmetry</i> , 2006, 17, 1650-1654.	1.8	27
64	Synthesis and structural chemistry of arene-ruthenium half-sandwich complexes bearing an oxazolinylligand carbene ligand. <i>Journal of Organometallic Chemistry</i> , 2006, 691, 2713-2720.	0.8	59
65	Self-Assembled Nanoreactors as Highly Active Catalysts in the Hydrolytic Kinetic Resolution (HKR) of Epoxides in Water. <i>Angewandte Chemie - International Edition</i> , 2006, 45, 1309-1312.	7.2	121
66	CO Fixation to Stable Acyclic and Cyclic Alkyl Amino Carbenes: Stable Amino Ketenes with a Small HOMO-LUMO Gap. <i>Angewandte Chemie - International Edition</i> , 2006, 45, 3488-3491.	7.2	289
67	A π -Donor with a Planar Six-Electron B ₂ N ₂ C ₂ Framework: Anionic N-Heterocyclic Carbene or Heterocyclic Terphenyl Anion?. <i>Angewandte Chemie - International Edition</i> , 2006, 45, 6356-6359.	7.2	48
68	Silver, Palladium and Rhodium Complexes of Acenaphthylene-Anullated N-Heterocyclic Carbene Ligands: A Comparative Study. <i>European Journal of Inorganic Chemistry</i> , 2006, 2006, 4915-4921.	1.0	42
69	A Facile Synthesis of Carbamoylsilanes, -boranes and -phosphane Oxides - Isolation of the First Uncomplexed Carbamoylborane. <i>European Journal of Inorganic Chemistry</i> , 2006, 2006, 5076-5080.	1.0	12
70	The Design and Synthesis of Bis(thiourea) Ligands and Their Application in Pd-Catalyzed Heck and Suzuki Reactions Under Aerobic Conditions. <i>European Journal of Organic Chemistry</i> , 2006, 2006, 1177-1184.	1.2	58
71	Imidazolium-Based [14]Heterophanes as Models for Anion Recognition. <i>European Journal of Organic Chemistry</i> , 2006, 2006, 3988-3996.	1.2	33
72	Easily Accessible Chiral Imidazolium Salts Bearing Two Hydroxy-Containing Substituents as Shift Reagents and Carbene Precursors. <i>European Journal of Organic Chemistry</i> , 2006, 2006, 5103-5109.	1.2	35
73	N-Heterocyclic Carbene: An Efficient Catalyst for the Ring-Opening Reaction of Aziridine with Acid Anhydride. <i>European Journal of Organic Chemistry</i> , 2006, 2006, 4787-4790.	1.2	36
74	Chiral Phosphino- and (Phosphinooxy)-Substituted N-Heterocyclic Carbene Ligands and Their Application in Iridium-Catalyzed Asymmetric Hydrogenation. <i>Helvetica Chimica Acta</i> , 2006, 89, 1559-1573.	1.0	45
78	Synthesis and Application of New N-Heterocyclic Carbene Ruthenium Complexes in Catalysis: A Case Study. <i>Current Organic Chemistry</i> , 2006, 10, 203-215.	0.9	74

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79	Rhodium N-Heterocyclic Carbene-Catalyzed [4 + 2] and [5 + 2] Cycloaddition Reactions. <i>Journal of Organic Chemistry</i> , 2006, 71, 91-96.	1.7	93
80	Recent Development of Homogeneous Transition Metal Catalysts with Nanosize Ligands. <i>Chemistry Letters</i> , 2007, 36, 1296-1301.	0.7	18
81	Palladium(II) Pyrazolin-4-ylidenes: Remote N-Heterocyclic Carbene Complexes and Their Catalytic Application in Aqueous Suzuki-Miyaura Coupling. <i>Organometallics</i> , 2007, 26, 6581-6585.	1.1	111
82	Organocatalysis by N-Heterocyclic Carbenes. <i>Chemical Reviews</i> , 2007, 107, 5606-5655.	23.0	2,716
83	The chemistry of functionalised N-heterocyclic carbenes. <i>Chemical Society Reviews</i> , 2007, 36, 592-607.	18.7	431
84	A General and Efficient Five-Step One-Pot Procedure Leading to Nitrogen-Bridgehead Heterocycles Containing an Imidazole Ring. <i>Organic Letters</i> , 2007, 9, 2253-2256.	2.4	39
85	Mono- and Bimetallic Rhodium(I) Complexes Supported by New C2-Symmetric Bis-N-heterocyclic Carbene Ligands: Metalation via CC Bond Cleavage under Mild Conditions. <i>Organometallics</i> , 2007, 26, 5267-5270.	1.1	34
86	One-step assembly of a chiral palladium bis(acyclic diaminocarbene) complex and its unexpected oxidation to a bis(amidine) complex. <i>Chemical Communications</i> , 2007, , 3294.	2.2	66
87	Structural and theoretical investigation of 2-iminoimidazolines ? carbene analogues of iminophosphoranes. <i>Organic and Biomolecular Chemistry</i> , 2007, 5, 523.	1.5	162
88	The First N-Heterocyclic Carbene-Based Nickel Catalyst for C-S Coupling. <i>Organic Letters</i> , 2007, 9, 3495-3498.	2.4	319
89	Palladium Complexes with Carbonyl, Isocyanide, and Carbene Ligands. , 2007, , 197-268.		8
90	Palladium(II) and Gold(I) Complexes of a New O-Functionalized N-Heterocyclic Carbene Ligand: Synthesis, Structures, and Catalytic Application. <i>Organometallics</i> , 2007, 26, 958-964.	1.1	102
91	Structural variation, dynamics, and catalytic application of palladium(ii) complexes of di-N-heterocyclic carbene-amine ligands. <i>Dalton Transactions</i> , 2007, , 3065-3073.	1.6	74
92	Transient Palladadiphosphanycarbenes: Singlet Carbenes with an Inverse Electronic Configuration (instead of σ^2) and Unusual Transannular Metal-Carbene Interactions (Metal-Pd Donation and Tj ETQq1 1 0.784314 rgBT /Overlo		
93	Preparation and characterization of the first pyrazole-based remote N-heterocyclic carbene complexes of palladium(ii). <i>Chemical Communications</i> , 2007, , 1089.	2.2	71
94	Ligands, Reagents, and Methods in Organometallic Synthesis. , 2007, , 59-92.		2
95	Rhodium(iii) complexes with a bidentate N-heterocyclic carbene ligand bearing flexible dendritic frameworks. <i>Dalton Transactions</i> , 2007, , 1567.	1.6	27
96	A stable chiral diaminocyclopropenylidene. <i>Chemical Communications</i> , 2007, , 3661.	2.2	67

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97	Use of Drug Discovery Tools in Rational Organometallic Catalyst Design. <i>Inorganic Chemistry</i> , 2007, 46, 8613-8624.	1.9	20
98	N-Alkoxyimidazolylidene Transition-Metal Complexes: Application to [5+2] and [4+2] Cycloaddition Reactions. <i>Organometallics</i> , 2007, 26, 4541-4545.	1.1	43
99	Effective Modulation of the Donor Properties of N-Heterocyclic Carbene Ligands by Through-Space Communication within a Planar Chiral Scaffold. <i>Journal of the American Chemical Society</i> , 2007, 129, 12676-12677.	6.6	256
100	Synthesis and Study of the First N-Aryl Acyclic Diaminocarbene and Its Transition-Metal Complexes. <i>Organometallics</i> , 2007, 26, 5774-5777.	1.1	55
101	Synthesis and reactivity of copper(i) complexes containing a bis(imidazolin-2-imine) pincer ligand. <i>Dalton Transactions</i> , 2007, , 2812.	1.6	58
102	Chiral N-Heterocyclic Carbenes with Restricted Flexibility in Asymmetric Catalysis. <i>Organometallics</i> , 2007, 26, 626-632.	1.1	101
103	Intramolecular Hydroiminiumation and Amidiniumation of Alkenes: A Convenient, Flexible, and Scalable Route to Cyclic Iminium and Imidazolinium Salts. <i>Journal of Organic Chemistry</i> , 2007, 72, 3492-3499.	1.7	151
104	Lanthanide Complexes of Amino Carbenes: On the Samarium Carbene Bond from DFT Calculations. <i>Organometallics</i> , 2007, 26, 1100-1103.	1.1	20
105	Ruthenium Janus-Head Complexes with a Triazoleylidene Ligand. Structural Features and Catalytic Applications. <i>Organometallics</i> , 2007, 26, 6050-6054.	1.1	115
106	N-Heterocyclic Carbene Catalyzed Aza-Morita-Baylis-Hillman Reaction of Cyclic Enones with <i>N</i> -Tosylarylimines. <i>Journal of Organic Chemistry</i> , 2007, 72, 7466-7468.	1.7	129
107	Pincer-carbene complexes. , 2007, , 107-124.		3
108	Recent progress and applications for metallodendrimers. <i>New Journal of Chemistry</i> , 2007, 31, 1192.	1.4	200
109	Rhodium(i) complexes with N-heterocyclic carbenes bearing a 2,3,4,5-tetraphenylphenyl and its higher dendritic frameworks. <i>Chemical Communications</i> , 2007, , 269-271.	2.2	37
110	Imidazo[1,5-a]pyridin-3-ylidene/Thioether Mixed C/S Ligands and Complexes Thereof. <i>Organometallics</i> , 2007, 26, 2570-2578.	1.1	128
111	Organocatalytic Ring-Opening Polymerization. <i>Chemical Reviews</i> , 2007, 107, 5813-5840.	23.0	1,304
112	NHC-containing chiral bidentate ligands: Synthesis and evaluation in enantioselective copper-catalyzed conjugate addition. <i>Chirality</i> , 2007, 19, 471-476.	1.3	41
113	Facile synthetic route to enantiopure unsymmetric 2,5-disubstituted pyrrolidines. <i>Chirality</i> , 2007, 19, 581-588.	1.3	12
114	A Valuable, Inexpensive CuI/N-Heterocyclic Carbene Catalyst for the Selective Diboration of Styrene. <i>Chemistry - A European Journal</i> , 2007, 13, 2614-2621.	1.7	156

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115	Palladium Complexes of N-Heterocyclic Carbenes as Catalysts for Cross-Coupling Reactions—A Synthetic Chemist's Perspective. <i>Angewandte Chemie - International Edition</i> , 2007, 46, 2768-2813.	7.2	1,510
116	Intramolecular α -Hydroiminiumation of Alkenes: Application to the Synthesis of Conjugate Acids of Cyclic Alkyl Amino Carbenes (CAACs). <i>Angewandte Chemie - International Edition</i> , 2007, 46, 2899-2902.	7.2	247
117	A Diaminocarbene—Phosphonium Ylide: Direct Access to C,C Chelating Ligands. <i>Angewandte Chemie - International Edition</i> , 2007, 46, 6313-6315.	7.2	53
118	(N-Heterocyclic Carbene)Gold(I)-Catalyzed Cycloisomerization of Cyclohexadienyl Alkynes to Tetracyclo[3.3.0.0 ^{2,8} .0 ^{4,6}]octanes. <i>Angewandte Chemie - International Edition</i> , 2007, 46, 6172-6175.	7.2	99
119	Bulky Chiral Carbene Ligands and Their Application in the Palladium-Catalyzed Asymmetric Intramolecular β -Arylation of Amides. <i>Angewandte Chemie - International Edition</i> , 2007, 46, 8484-8487.	7.2	240
125	Homobimetallic Ruthenium—N-Heterocyclic Carbene Complexes: Synthesis, Characterization, and Catalytic Applications. <i>Advanced Synthesis and Catalysis</i> , 2007, 349, 255-265.	2.1	68
126	Synthesis of New Bis-imidazole Derivatives. <i>Helvetica Chimica Acta</i> , 2007, 90, 1765-1780.	1.0	34
127	Liquid Crystal Imidazolium Salts: Towards Materials for Catalysis and Molecular Electronics. <i>European Journal of Inorganic Chemistry</i> , 2007, 2007, 3899-3905.	1.0	39
128	Dinuclear Titanium(IV) Complexes Bearing Phenoxide-Tethered N-Heterocyclic Carbene Ligands with cisoid Conformation through Control of Hydrolysis. <i>European Journal of Inorganic Chemistry</i> , 2007, 2007, 4839-4845.	1.0	28
129	Synthesis of 3-Alkylcoumarins from Salicylaldehydes and α,β -Unsaturated Aldehydes Utilizing Nucleophilic Carbenes: A New Umpoled Domino Reaction. <i>European Journal of Organic Chemistry</i> , 2007, 2007, 943-952.	1.2	25
130	Transient Amino-Hydrazino-Carbenes: A Radical Pathway for Intramolecular 1,2-Migration Reactions. <i>European Journal of Organic Chemistry</i> , 2007, 2007, 912-917.	1.2	15
131	Oxidative Desulfurization of Azole-2-thiones with Benzoyl Peroxide: Syntheses of Ionic Liquids and Other Azolium Salts. <i>European Journal of Organic Chemistry</i> , 2007, 2007, 2825-2838.	1.2	36
132	Chiral Concave Imidazolium Salts as Precursors to Chiral Concave N-Heterocyclic Carbenes. <i>European Journal of Organic Chemistry</i> , 2007, 2007, 3687-3697.	1.2	29
133	Synthesis of new NHC—rhodium and iridium complexes derived from 2,2'-diaminobiphenyl and their catalytic activities toward hydrosilylation of ketones. <i>Tetrahedron</i> , 2007, 63, 4874-4880.	1.0	54
134	Design and synthesis of thioether-imidazolium chlorides as efficient ligands for palladium-catalyzed Suzuki—Miyaura coupling of aryl bromides with arylboronic acids. <i>Tetrahedron</i> , 2007, 63, 9393-9400.	1.0	39
135	Palladium catalyzed asymmetric allylic alkylation using chelating N-heterocyclic carbene—amino ligands. <i>Tetrahedron: Asymmetry</i> , 2007, 18, 229-236.	1.8	25
136	An unusual norcaradiene/tropylium rearrangement from a persistent amino-phosphonio-carbene. <i>Tetrahedron Letters</i> , 2007, 48, 685-687.	0.7	12
137	The first application of an imidazole o-quinodimethane in Diels—Alder reactions leading to the synthesis of benzimidazoles. <i>Tetrahedron Letters</i> , 2007, 48, 2275-2277.	0.7	6

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138	First synthesis of bidentate NHC-Pd complexes with anthracene and xanthene skeletons. <i>Tetrahedron Letters</i> , 2007, 48, 7498-7501.	0.7	18
139	Mixed oxazoline-carbenes as stereodirecting ligands for asymmetric catalysis. <i>Coordination Chemistry Reviews</i> , 2007, 251, 718-725.	9.5	242
140	Structural and catalytic properties of chelating bis- and tris-N-heterocyclic carbenes. <i>Coordination Chemistry Reviews</i> , 2007, 251, 841-859.	9.5	447
141	Metal-mediated asymmetric alkylation using chiral N-heterocyclic carbenes derived from chiral amines. <i>Coordination Chemistry Reviews</i> , 2007, 251, 702-717.	9.5	164
142	Stereoelectronic parameters associated with N-heterocyclic carbene (NHC) ligands: A quest for understanding. <i>Coordination Chemistry Reviews</i> , 2007, 251, 874-883.	9.5	822
143	Palladium(II) complexes of a bis-2-aminobiphenyl N-heterocyclic carbene: Synthesis, structural studies and catalytic activity. <i>Inorganica Chimica Acta</i> , 2007, 360, 143-148.	1.2	29
144	Imidazolium scaffolds: Electrospray mass spectrometric observation of N-heterocyclic carbenes in positive-ion mode and halide ion adducts in negative-ion mode. <i>International Journal of Mass Spectrometry</i> , 2007, 262, 80-87.	0.7	6
145	Zirconium complexes of the tridentate bis(aryloxy)-N-heterocyclic-carbene ligand: Chloride and alkyl functionalized derivatives. <i>Journal of Organometallic Chemistry</i> , 2007, 692, 234-242.	0.8	55
146	Synthesis of N-heterocyclic carbene precursors bearing biphenyl units and their use in ruthenium-catalyzed ring-opening metathesis polymerization. <i>Journal of Organometallic Chemistry</i> , 2007, 692, 3048-3056.	0.8	22
147	Coordination compounds of N,N ² -olefin functionalized imidazolin-2-ylidenes. <i>Journal of Organometallic Chemistry</i> , 2007, 692, 4630-4638.	0.8	54
148	Pd(II) complexes of a sterically bulky, benzannulated N-heterocyclic carbene and their catalytic activities in the Mizoroki-Heck reaction. <i>Journal of Organometallic Chemistry</i> , 2007, 692, 3606-3613.	0.8	79
149	Chiral, bridged bis(imidazolin-2-ylidene) complexes of palladium. <i>Journal of Organometallic Chemistry</i> , 2007, 692, 4560-4568.	0.8	36
150	Stable P-Heterocyclic Carbenes: Scope and Limitations. <i>Chemistry - an Asian Journal</i> , 2007, 2, 178-187.	1.7	60
151	Synthesis of Phosphaformamidines and Phosphaformamidinates. <i>Chemistry - an Asian Journal</i> , 2007, 2, 904-908.	1.7	21
152	Mono- vs Bis(carbene) Complexes: A Detailed Study on Platinum(II)-Benzimidazolin-2-ylidenes. <i>Organometallics</i> , 2007, 26, 4612-4617.	1.1	61
153	Construction of self-assembled monolayer terminated with N-heterocyclic carbene-rhodium(I) complex moiety. <i>Surface Science</i> , 2007, 601, 5127-5132.	0.8	15
154	A new route to chiral imidazolidine salts and its application in organometallic synthesis. <i>Tetrahedron: Asymmetry</i> , 2008, 19, 1532-1535.	1.8	16
155	Synthesis and Characterization of [Cu(NHC) ₂]X Complexes: Catalytic and Mechanistic Studies of Hydrosilylation Reactions. <i>Chemistry - A European Journal</i> , 2008, 14, 158-168.	1.7	145

#	ARTICLE	IF	CITATIONS
156	Hybrid Ligands with N-Heterocyclic Carbene and Chiral Phosphaferrocene Components. <i>Chemistry - A European Journal</i> , 2008, 14, 2719-2729.	1.7	44
157	Chiral Bidentate Bis(N-Heterocyclic Carbene)-Based Palladium Complexes Bearing Carboxylate Ligands: Highly Effective Catalysts for the Enantioselective Conjugate Addition of Arylboronic Acids to Cyclic Enones. <i>Chemistry - A European Journal</i> , 2008, 14, 3759-3764.	1.7	103
158	A Tunable Coordination Response of the Phosphorus-Based Hexadentate Ligand (S)P[N(Me)N=CHC ₆ H ₄ -o-OH] ₃ (LH3): Synthesis and Structure of LM (M = Sc, Cr, Mn, Fe, Co, Ga). <i>European Journal of Inorganic Chemistry</i> , 2008, 2008, 1116-1124.	1.0	19
159	Donor-Functionalised N-Heterocyclic Carbene Complexes of Group 9 and 10 Metals in Catalysis: Trends and Directions. <i>European Journal of Inorganic Chemistry</i> , 2008, 2008, 2781-2800.	1.0	360
160	A New Class of Modular Oxazoline-NHC Ligands and Their Coordination Chemistry with Platinum Metals. <i>European Journal of Inorganic Chemistry</i> , 2008, 2008, 5587-5598.	1.0	18
161	Silica-immobilized NHC-Cu ^I Complex: An Efficient and Reusable Catalyst for A ³ -Coupling (Aldehyde-Alkyne-Amine) under Solventless Reaction Conditions. <i>European Journal of Organic Chemistry</i> , 2008, 2008, 2255-2261.	1.2	123
162	Lewis Base Catalysis in Organic Synthesis. <i>Angewandte Chemie - International Edition</i> , 2008, 47, 1560-1638.	7.2	1,146
163	Heterocyclic Carbenes: Synthesis and Coordination Chemistry. <i>Angewandte Chemie - International Edition</i> , 2008, 47, 3122-3172.	7.2	2,604
164	Triarylphosphanes with Dendritically Arranged Tetraethylene Glycol Moieties at the Periphery: An Efficient Ligand for the Palladium-Catalyzed Suzuki-Miyaura Coupling Reaction. <i>Angewandte Chemie - International Edition</i> , 2008, 47, 8310-8314.	7.2	85
165	Efficient Catalytic System for the Selective Production of 5-Hydroxymethylfurfural from Glucose and Fructose. <i>Angewandte Chemie - International Edition</i> , 2008, 47, 9345-9348.	7.2	371
166	Chiral Palladium(II) Complexes Possessing a Tridentate N-Heterocyclic Carbene Amidate Alkoxide Ligand: Access to Oxygen-Bridging Dimer Structures. <i>Angewandte Chemie - International Edition</i> , 2008, 47, 9326-9329.	7.2	121
172	Carbon monoxide as a reagent: A report on the role of N-heterocyclic carbene (NHC) ligands in metal-catalyzed carbonylation reactions. <i>Polyhedron</i> , 2008, 27, 3177-3189.	1.0	71
173	Synthesis and characterization of asymmetric NHC complexes. <i>Journal of Organometallic Chemistry</i> , 2008, 693, 1543-1546.	0.8	25
174	Au(I) and Au(III) complexes of a sterically bulky benzimidazole-derived N-heterocyclic carbene. <i>Journal of Organometallic Chemistry</i> , 2008, 693, 374-380.	0.8	103
175	Stable bis(diisopropylamino)cyclopropenyliidene (BAC) as ligand for transition metal complexes. <i>Journal of Organometallic Chemistry</i> , 2008, 693, 899-904.	0.8	51
176	Bimacrocyclic NHC transition metal complexes. <i>Journal of Organometallic Chemistry</i> , 2008, 693, 923-932.	0.8	31
177	Synthesis, structure and catalytic activity of a bimacrocyclic NHC palladium allyl complex. <i>Journal of Organometallic Chemistry</i> , 2008, 693, 2784-2788.	0.8	16
178	Ag(I) and Pd(II) complexes of a 1,3-dibenzhydryl substituted benzannulated N-heterocyclic carbene: Unexpected rearrangement, structures and catalytic studies. <i>Journal of Organometallic Chemistry</i> , 2008, 693, 3159-3165.	0.8	47

#	ARTICLE	IF	CITATIONS
179	Iridium catalysts for the asymmetric hydrogenation of olefins with nontraditional functional substituents. <i>Coordination Chemistry Reviews</i> , 2008, 252, 513-531.	9.5	225
180	New pinene-derived pyridines as bidentate chiral ligands. <i>Tetrahedron</i> , 2008, 64, 4011-4025.	1.0	49
181	A modular synthesis of chiral aminoindanol-derived imidazolium salts. <i>Tetrahedron</i> , 2008, 64, 6961-6972.	1.0	23
182	SiO ₂ -NHC-Cu(I): an efficient and reusable catalyst for [3+2] cycloaddition of organic azides and terminal alkynes under solvent-free reaction conditions at room temperature. <i>Tetrahedron</i> , 2008, 64, 10825-10830.	1.0	106
183	Synthesis of novel C ₂ -symmetric 1,3-bis{(1S,2R,3S,4R)-1,7,7-trimethyl-3H-spiro[bicyclo[2.2.1]heptane-2,2-furan]-3-yl}benzoimidazolium tetrafluoroborates. <i>Tetrahedron: Asymmetry</i> , 2008, 19, 330-342.	1.8	6
184	New enantiopure imidazolium carbene ligands incorporating two hydroxy groups for Lewis acid-catalyzed diethyl zinc addition to aldehydes. <i>Tetrahedron: Asymmetry</i> , 2008, 19, 2346-2352.	1.8	23
185	Chiral bicyclic imidazolium salts as a new class of N-heterocyclic carbene precursors. <i>Tetrahedron Letters</i> , 2008, 49, 2985-2989.	0.7	29
186	Highly efficient three-component (aldehyde-alkyne-amine) coupling reactions catalyzed by a reusable PS-supported NHC-Ag(I) under solvent-free reaction conditions. <i>Tetrahedron Letters</i> , 2008, 49, 6650-6654.	0.7	129
187	Anagostic Interactions and Catalytic Activities of Sterically Bulky Benzannulated N-Heterocyclic Carbene Complexes of Nickel(II). <i>Organometallics</i> , 2008, 27, 2231-2237.	1.1	185
188	Mono- and Dinuclear Palladium(II) N-Heterocyclic Carbene Complexes with N Spacers and their Suzuki Coupling Activities. <i>Chemistry - an Asian Journal</i> , 2008, 3, 1649-1656.	1.7	29
189	Switching the Electron Donor Properties of N-Heterocyclic Carbenes by a Facile Deprotonation Strategy. <i>Chemistry - an Asian Journal</i> , 2009, 4, 1786-1789.	1.7	96
190	Synthesis of 2-aryl-5,5-dimethyl-5,6-dihydro-1,2,4-triazolo-[3,4-a]isoquinolinium tetrafluoroborates. <i>Russian Journal of Organic Chemistry</i> , 2008, 44, 1091-1093.	0.3	2
191	Can N-heterocyclic germylenes behave as Lewis acids - is there another side to Meller germylenes?. <i>Open Chemistry</i> , 2008, 6, 365-372.	1.0	7
192	A novel synthesis for new substituted imidazoles. <i>Journal of the Iranian Chemical Society</i> , 2008, 5, S21-S25.	1.2	6
193	Selective Stoichiometric and Catalytic Reactivity in the Confines of a Chiral Supramolecular Assembly. <i>Journal of the American Chemical Society</i> , 2008, 130, 165-197.		7
194	Imidazolium Salts: A Mild Reducing and Antioxidative Reagent. <i>Journal of the American Chemical Society</i> , 2008, 130, 12586-12587.	6.6	65
195	Ruthenium-Based Complexes Bearing Saturated Chiral N-Heterocyclic Carbene Ligands: Dynamic Behavior and Catalysis. <i>Organometallics</i> , 2008, 27, 4649-4656.	1.1	57
196	Novel Expanded Ring N-Heterocyclic Carbenes: Free Carbenes, Silver Complexes, And Structures. <i>Organometallics</i> , 2008, 27, 3279-3289.	1.1	231

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197	Chiral N-Heterocyclic Carbene Catalyzed Staudinger Reaction of Ketenes with Imines: Highly Enantioselective Synthesis of <i>N</i> -Boc β -Lactams. <i>Organic Letters</i> , 2008, 10, 277-280.	2.4	326
198	N-Heterocyclic carbeneligands bearing hydrophilic and/or hydrophobic chains: Rh(<i>scpi</i>) and Pd(<i>scpii</i>) complexes and their catalytic activity. <i>Dalton Transactions</i> , 2008, , 379-385.	1.6	63
199	<i>C</i> ₂ Symmetric Chiral NHC Ligand for Asymmetric Quaternary Carbon Constructing Copper-Catalyzed Conjugate Addition of Grignard Reagents to 3-Substituted Cyclohexenones. <i>Journal of Organic Chemistry</i> , 2008, 73, 4578-4581.	1.7	131
200	First Cp*-Functionalized N-Heterocyclic Carbene and Its Coordination to Iridium. Study of the Catalytic Properties. <i>Organometallics</i> , 2008, 27, 1305-1309.	1.1	187
201	Synthesis, Structure, and Solution Dynamics of Pentamethylcyclopentadienyl Nickel Complexes Bearing N-Heterocyclic Carbene Ligands. <i>Organometallics</i> , 2008, 27, 4223-4228.	1.1	71
202	Rhodium(I) Complexes with Hemilabile N-Heterocyclic Carbenes: Efficient Alkyne Hydrosilylation Catalysts. <i>Organometallics</i> , 2008, 27, 224-234.	1.1	177
203	Preparation of a Series of η^5 -Ru(<i>pcymene</i>)-Complexes with Different N-Heterocyclic Carbene Ligands for the Catalytic β -Alkylation of Secondary Alcohols and Dimerization of Phenylacetylene. <i>Organometallics</i> , 2008, 27, 4254-4259.	1.1	148
204	New Constrained-Geometry <i>C</i> ₂ -Symmetric Di <i>N</i> -heterocyclic Carbene Ligands and Their Mono- and Dinuclear Rhodium(I) Complexes: Design, Synthesis, and Structural Analysis. <i>Organometallics</i> , 2008, 27, 5184-5195.	1.1	38
205	Palladation of diimidazolium salts at the C4 position: access to remarkably electron-rich palladium(ii) centers. <i>Dalton Transactions</i> , 2008, , 6242.	1.6	49
206	Stereoselective Synthesis of Rhodium(I) 4-(Dialkylamino)triazol-5-ylidene Complexes. <i>Organometallics</i> , 2008, 27, 4555-4564.	1.1	40
207	<i>N</i> -Heterocyclic Carbenes with Inorganic Backbones: Electronic Structures and Ligand Properties. <i>Inorganic Chemistry</i> , 2008, 47, 1145-1154.	1.9	65
208	Imidazoles. , 2008, , 143-364.		15
209	A Stable Anionic N-Heterocyclic Carbene and Its Zwitterionic Complexes. <i>Journal of the American Chemical Society</i> , 2008, 130, 11286-11287.	6.6	172
210	N-Heterocyclic carbenes/imidazolium salts as substrates in catalysis: the catalytic 2-substitution and annulation of heterocyclic compounds. <i>Dalton Transactions</i> , 2008, , 6676.	1.6	87
211	N-Heterocyclic carbene complexes of rhodium: structure, stability and reactivity. <i>Dalton Transactions</i> , 2008, , 4079.	1.6	119
212	Rearrangement of Biaryl Monoaminocarbenes via Concerted Asynchronous Insertion into Aromatic C-H Bonds. <i>Organic Letters</i> , 2008, 10, 4299-4302.	2.4	31
213	Homo- and Heterodinuclear Complexes with Triazolyl-diylidene. An Easy Approach to Tandem Catalysts. <i>Organometallics</i> , 2008, 27, 3570-3576.	1.1	135
214	Synthesis and Structural Variation of Iron, Rhodium, Palladium, and Silver Complexes of a Chiral N-Heterocyclic Carbene-Phenoxyimine Hybrid Ligand. <i>Organometallics</i> , 2008, 27, 281-288.	1.1	48

#	ARTICLE	IF	CITATIONS
215	Chiral N-Heterocyclic Carbene-Pd(0)-Catalyzed Asymmetric Diamination of Conjugated Dienes and Triene. <i>Journal of Organic Chemistry</i> , 2008, 73, 749-751.	1.7	92
216	Computational Studies of Intramolecular Carbon-Heteroatom Bond Activation of N-Aryl Heterocyclic Carbene Ligands. <i>Organometallics</i> , 2008, 27, 938-944.	1.1	28
217	Computational Study of C-C Activation of 1,3-Dimesitylimidazol-2-ylidene (IMes) at Ruthenium: The Role of Ligand Bulk in Accessing Reactive Intermediates. <i>Organometallics</i> , 2008, 27, 617-625.	1.1	36
218	Looking for a Synergic Effect between NHCs and Chiral P-Ligands. <i>Organic Letters</i> , 2008, 10, 1453-1456.	2.4	32
219	Facile Microwave-Assisted Synthesis of Cyclic Amidinium Salts. <i>ACS Combinatorial Science</i> , 2008, 10, 886-892.	3.3	35
220	Preparation of Ti(IV) Fluoride N-Heterocyclic Carbene Complexes. <i>Inorganic Chemistry</i> , 2008, 47, 2171-2179.	1.9	41
221	Matching the Chirality of Monodentate N-Heterocyclic Carbene Ligands: A Case Study on Well-Defined Palladium Complexes for the Asymmetric α -Arylation of Amides. <i>Organic Letters</i> , 2008, 10, 5569-5572.	2.4	107
222	Benzenimidazole-Functionalized Imidazolium-Based N-Heterocyclic Carbene Complexes of Silver(I) and Palladium(II): Isolation of a Ag^3 Intermediate toward a Facile Transmetalation and Suzuki Coupling. <i>Organometallics</i> , 2008, 27, 672-677.	1.1	88
223	Diaminocarbene and Phosponium Ylide Ligands: A Systematic Comparison of their Donor Character. <i>Journal of the American Chemical Society</i> , 2008, 130, 8406-8413.	6.6	91
224	Pyrido[1,2-a][1,2,4]triazol-3-ylidenes as a New Family of Stable Annulated N-Heterocyclic Carbenes: Synthesis, Reactivity, and Their Application in Coordination Chemistry and Organocatalysis. <i>Journal of Organic Chemistry</i> , 2008, 73, 8256-8264.	1.7	41
226	Biomimetic Organocatalytic C-C Bond Formations. Ernst Schering Research Foundation Workshop, 2008, , 145-157.	0.7	4
227	Synthesis of Transition-metal NHC Complexes using α -Protected-NHC Adduct. <i>Bulletin of Japan Society of Coordination Chemistry</i> , 2008, 52, 43-54.	0.1	4
228	Recent Progress in the Asymmetric Hydrosilylation of Ketones and Imines. <i>Mini-Reviews in Organic Chemistry</i> , 2009, 6, 159-167.	0.6	53
229	Structures and Suzuki-Coupling of N-Heterocyclic Carbene Complexes of Pd(II) with Coordinated Solvent and PPh ₃ . <i>Australian Journal of Chemistry</i> , 2009, 62, 1047.	0.5	14
230	Methyleneimidazoline Complexes of Iridium, Rhodium, and Palladium from Selective C(sp ³) ₃ -H Bond Activation. <i>Chemistry - A European Journal</i> , 2009, 15, 5535-5544.	1.7	36
231	Mechanisms in the Reaction of Palladium(II)-Allyl Complexes with Aryl Halides: Evidence for NHC Exchange Between Two Palladium Complexes. <i>Chemistry - A European Journal</i> , 2009, 15, 7063-7073.	1.7	32
232	Impact of Substituents Attached to N-Heterocyclic Carbenes on the Catalytic Activity of Copper Complexes in the Reduction of Carbonyl Compounds with Triethoxysilane. <i>Chinese Journal of Chemistry</i> , 2009, 27, 2121-2124.	2.6	4
233	Modular Synthesis of a New Type of Chiral Bis(carbene) Ligand from L-Valinol and Iridium(I) and Rhodium(I) Complexes Thereof. <i>European Journal of Inorganic Chemistry</i> , 2009, 2009, 1248-1255.	1.0	19

#	ARTICLE	IF	CITATIONS
234	Mono-, Bi- and Tridentate N-Heterocyclic Carbene Ligands for the Preparation of Transition-Metal-Based Homogeneous Catalysts. <i>European Journal of Inorganic Chemistry</i> , 2009, 2009, 1700-1716.	1.0	207
235	Assessing the Potential of Zwitterionic NHC-CS ₂ Adducts for Probing the Stereoelectronic Parameters of N-Heterocyclic Carbenes. <i>European Journal of Inorganic Chemistry</i> , 2009, 2009, 1882-1891.	1.0	79
236	Synthesis and Structural Features of Rhodium Complexes of Expanded Ring N-Heterocyclic Carbenes. <i>European Journal of Inorganic Chemistry</i> , 2009, 2009, 1913-1919.	1.0	72
237	Betaine Adducts of N-Heterocyclic Carbenes: Synthesis, Properties, and Reactivity. <i>European Journal of Inorganic Chemistry</i> , 2009, 2009, 1681-1699.	1.0	155
238	Computational Study of the C- and N-Bound Tautomers of [Ru(Cl)(H)(CO)(PPh ₃) ₂ (I _{Pr} Me ₂)] (I _{Pr} Me ₂ = 3-isopropyl-4,5-dimethylimidazol-2-ylidene). <i>European Journal of Inorganic Chemistry</i> , 2009, 2009, 2000-2006.	1.0	22
239	Benzothiazolin-2-ylidene and Azole Mixed-Ligand Complexes of Palladium. <i>European Journal of Inorganic Chemistry</i> , 2009, 2009, 4288-4297.	1.0	20
240	Six-Membered N-Heterocyclic Carbenes with a 1,1'-Ferrocenediyl Backbone: Bulky Ligands with Strong Electron-Donor Capacity and Unusual Non-Innocent Character. <i>European Journal of Inorganic Chemistry</i> , 2009, 2009, 4607-4612.	1.0	87
241	One-Pot, Selective Hydroformylation, Condensation, and Hydrogenation Processes by a Sol-Gel Entrapped Rhodium Complex, an Immobilized Base, and an Ionic Liquid. <i>European Journal of Organic Chemistry</i> , 2009, 2009, 1502-1505.	1.2	11
243	N-Heterocyclic Carbenes as Efficient Organocatalysts for CO ₂ Fixation Reactions. <i>Angewandte Chemie - International Edition</i> , 2009, 48, 4194-4197.	7.2	346
244	Asymmetric transfer hydrogenation catalyzed by a novel planar chiral N-heterocyclic carbene-rhodium(I) complex. <i>Applied Organometallic Chemistry</i> , 2009, 23, 179-182.	1.7	34
245	Preparation of novel axially chiral NHC-Pd(II) complexes and their application in oxidative kinetic resolution of secondary alcohols. <i>Applied Organometallic Chemistry</i> , 2009, 23, 183-190.	1.7	28
246	Mono-, bis- and tris-piperidine fused imidazolium salts: their <i>in situ</i> catalytic applications for C-C bond formation in aqueous solutions. <i>Applied Organometallic Chemistry</i> , 2009, 23, 365-369.	1.7	8
247	Synthesis of Pd(II) complexes bearing an enantiomerically resolved seven-membered N-heterocyclic carbene ligand and initial studies of their use in asymmetric Wacker-type oxidative cyclization reactions. <i>Tetrahedron</i> , 2009, 65, 5084-5092.	1.0	85
248	Asymmetric and fused heterocycles based on [2.2]paracyclophane. <i>Tetrahedron</i> , 2009, 65, 8055-8089.	1.0	98
249	Construction of a new type of chiral bidentate NHC ligands: copper-catalyzed asymmetric conjugate alkylation. <i>Tetrahedron Letters</i> , 2009, 50, 4741-4743.	0.7	47
250	Synthesis and structure of V(V) and Mn(III) NHC complexes supported by a tridentate bis-aryloxide-N-heterocyclic carbene ligand. <i>Journal of Organometallic Chemistry</i> , 2009, 694, 604-606.	0.8	71
251	Synthesis and X-ray structures of rhodium complexes with new chiral biaryl-based NHC-ligands. <i>Journal of Organometallic Chemistry</i> , 2009, 694, 1493-1502.	0.8	25
252	Chiral bisimidazolium salts derived from amino acids and their palladium(II)- and platinum(II)-biscarbene complexes. <i>Journal of Organometallic Chemistry</i> , 2009, 694, 1861-1868.	0.8	32

#	ARTICLE	IF	CITATIONS
253	Six- and seven-membered ring carbenes: Rational synthesis of amidinium salts, generation of carbenes, synthesis of Ag(I) and Cu(I) complexes. <i>Journal of Organometallic Chemistry</i> , 2009, 694, 2454-2462.	0.8	89
254	Palladium complexes of bis(acyclic diaminocarbene) ligands with chiral N-substituents and 8-membered chelate rings. <i>Journal of Organometallic Chemistry</i> , 2009, 694, 3297-3305.	0.8	24
255	The synthesis of oligoether-substituted benzimidazolium bromides and their use as ligand precursors for the Pd-catalyzed Heck coupling in water. <i>Journal of Organometallic Chemistry</i> , 2009, 694, 3580-3589.	0.8	34
256	Recent advances in the design and use of immobilised N-heterocyclic carbene ligands for transition-metal catalysis. <i>Comptes Rendus Chimie</i> , 2009, 12, 1173-1180.	0.2	40
257	Synthesis and cytotoxic activities of novel phenacylimidazolium bromides. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2009, 19, 1892-1895.	1.0	38
258	¹³ C NMR Spectroscopy of Arduengo-type Carbenes and Their Derivatives. <i>Chemical Reviews</i> , 2009, 109, 3385-3407.	23.0	308
259	Chiral ionic liquids based on abietane. <i>Russian Journal of Organic Chemistry</i> , 2009, 45, 404-407.	0.3	9
260	Labile N-Heterocyclic Carbene Complexes of Iridium. <i>Organometallics</i> , 2009, 28, 863-870.	1.1	74
261	Synthesis of Chiral Bis(N-heterocyclic carbene) Palladium and Rhodium Complexes with 1,1'-Biphenyl Scaffold and Their Application in Asymmetric Catalysis. <i>Organometallics</i> , 2009, 28, 4416-4420.	1.1	69
262	First Cyclic Carbodiphosphoranes of Copper(I) and Gold(I) and Their Application in the Catalytic Cleavage of X-H Bonds (X = N and O). <i>Organometallics</i> , 2009, 28, 326-330.	1.1	59
263	Synthesis and Catalytic Evaluation of Ruthenium-Arene Complexes Generated Using Imidazol(in)ium-2-carboxylates and Dithiocarboxylates. <i>Organometallics</i> , 2009, 28, 4056-4064.	1.1	61
264	Titanium Complexes Bearing Bisaryloxy-N-heterocyclic Carbenes: Synthesis, Reactivity, and Ethylene Polymerization Study. <i>Organometallics</i> , 2009, 28, 499-505.	1.1	42
265	Neutral and Cationic Iridium(I) Complexes Bearing Chiral Phenanthroline-Derived Benzimidazolylidenes: Synthetic, Structural, and Catalytic Studies. <i>Organometallics</i> , 2009, 28, 1233-1242.	1.1	30
266	Chiral Bis(NHC) Palladium(II) Complex Catalyzed and Diethylzinc-Mediated Enantioselective Umpolung Allylation of Aldehydes. <i>Organometallics</i> , 2009, 28, 2640-2642.	1.1	60
267	2,6-Bis(imidazol-2-ylidene)pyridine Complexes of Lanthanides: A Theoretical Study of the Bonding Situation and Selective Complexation. <i>Organometallics</i> , 2009, 28, 3686-3690.	1.1	22
268	N-Heterocyclic carbene containing complexes in catalysis. <i>Annual Reports on the Progress of Chemistry Section B</i> , 2009, 105, 232.	0.8	61
269	New enantiopure NHCs derived from camphor. <i>Chemical Communications</i> , 2009, , 5910.	2.2	31
270	Multifaceted Coordination of Naphthyridine-Functionalized N-Heterocyclic Carbene: A Novel $\text{C}(\text{N})\text{C}(\text{N})$ Compound and Its Evaluation as Transfer Hydrogenation Catalyst. <i>Inorganic Chemistry</i> , 2009, 48, 11114-11122.	1.9	59

#	ARTICLE	IF	CITATIONS
271	Design and Stereoselective Preparation of a New Class of Chiral Olefin Metathesis Catalysts and Application to Enantioselective Synthesis of Quebrachamine: Catalyst Development Inspired by Natural Product Synthesis. <i>Journal of the American Chemical Society</i> , 2009, 131, 943-953.	6.6	166
272	Expanded ring and functionalised expanded ring N-heterocyclic carbenes as ligands in catalysis. <i>Dalton Transactions</i> , 2009, , 7099.	1.6	93
273	Complexes with Poly(N-heterocyclic carbene) Ligands: Structural Features and Catalytic Applications. <i>Chemical Reviews</i> , 2009, 109, 3677-3707.	23.0	797
274	Chelation-Assisted Reactions of Phosphine- and Olefin-Tethered Imidazolium Derivatives and Their Affiliated N-Heterocyclic Carbenes with Roperâ€™s Complex Ru(CO) ₂ (PPh ₃) ₃ . <i>Organometallics</i> , 2009, 28, 6981-6993.	1.1	51
275	A stable crystalline N-heterocyclic carbene with a 1,1-ferrocenediyl backbone. <i>Chemical Communications</i> , 2009, , 98-100.	2.2	101
276	Stable Noncyclic Singlet Carbenes. <i>Chemical Reviews</i> , 2009, 109, 3333-3384.	23.0	381
277	N-heterocyclic carbenes bearing two, one and no nitrogen atoms at the ylidene carbon: insight from theoretical calculations. <i>Dalton Transactions</i> , 2009, , 7015.	1.6	96
278	Novel Pt(II) Mono- and Biscarbene Complexes: Synthesis, Structural Characterization and Application in Hydrosilylation Catalysis. <i>Organometallics</i> , 2009, 28, 1212-1220.	1.1	68
279	Catalytic Enantioselective Arylation of <i>N</i> -Tosylarylimines with Arylboronic Acids Using <i>C</i> ₂ -Symmetric Cationic <i>N</i> -Heterocyclic Carbene Pd ²⁺ Diaquo Complexes. <i>Organic Letters</i> , 2009, 11, 875-878.	2.4	129
280	Unexpected coordination difference in geometric-isomerism between N,S- and N,N-heterocyclic carbenes in cyclometallated platinum(ii). <i>Chemical Communications</i> , 2009, , 6831.	2.2	21
281	A new approach to switching of enantioselectivity in NHCâ€™Cu-catalyzed conjugate addition of alkylzincs to cyclic enones. <i>Chemical Communications</i> , 2009, , 7363.	2.2	46
282	Atropochiral (C,C)-chelating NHC-ylide ligands: synthesis and resolution of palladium(ii) complexes thereof. <i>Dalton Transactions</i> , 2009, , 7196.	1.6	29
283	Synthesis and isolation of a stable, axially-chiral seven-membered N-heterocyclic carbene. <i>Dalton Transactions</i> , 2009, , 2284.	1.6	49
284	Versatile coordination modes of novel hemilabile S-NHC ligands. <i>Dalton Transactions</i> , 2009, , 2474.	1.6	51
285	A ligand knowledge base for carbenes (LKB-C): maps of ligand space. <i>Dalton Transactions</i> , 2009, , 8183.	1.6	59
286	Imidazol-2-ylidene-4-olate: an anionic N-heterocyclic carbene pre-programmed for further derivatization. <i>Chemical Communications</i> , 2009, , 4720.	2.2	131
287	A novel planar chiral N-heterocyclic carbeneâ€™oxazoline ligand for the asymmetric hydrosilylation of ketones. <i>Catalysis Communications</i> , 2009, 10, 1493-1496.	1.6	18
288	N-Heterocyclic Germylenes NHGe â€™ Old Trends and New Developments. <i>Mini-Reviews in Organic Chemistry</i> , 2010, 7, 324-334.	0.6	9

#	ARTICLE	IF	CITATIONS
289	Syntheses of Novel <i>C</i> ₂ -Symmetric Chiral Bidentate Bis(<i>N</i> -heterocyclic carbene) Ligands and Their Molybdenum Complexes. <i>Chemistry Letters</i> , 2010, 39, 398-399.	0.7	15
290	Functionalised, chiral imidazolium compounds from proteinogenic amino acids. <i>Open Chemistry</i> , 2010, 8, 1223-1226.	1.0	7
291	Palladium(II)- <i>N</i> -heterocyclic carbene complexes derived from proline: synthesis and characterization. <i>Tetrahedron</i> , 2010, 66, 7970-7974.	1.0	21
292	Reprogramming of a Malonic <i>N</i> -Heterocyclic Carbene: A Simple Backbone Modification with Dramatic Consequences on the Ligand's Donor Properties. <i>European Journal of Inorganic Chemistry</i> , 2010, 2010, 361-365.	1.0	111
293	Expanded-Ring and Backbone-Functionalised <i>N</i> -Heterocyclic Carbenes. <i>European Journal of Inorganic Chemistry</i> , 2010, 2010, 1604-1607.	1.0	24
294	Atropochiral C _X - and C _C -Chelating Carbon Ligands. <i>European Journal of Inorganic Chemistry</i> , 2010, 2010, 2325-2335.	1.0	61
295	Donor-Functionalised Expanded Ring <i>N</i> -Heterocyclic Carbenes: Highly Effective Ligands in Ir-Catalysed Transfer Hydrogenation. <i>European Journal of Inorganic Chemistry</i> , 2010, 2010, 5426-5431.	1.0	61
296	Rearrangements of <i>N</i> -Heterocyclic Carbenes of Pyrazole to 4-Aminoquinolines and Benzoquinolines. <i>European Journal of Organic Chemistry</i> , 2010, 2010, 4296-4305.	1.2	31
299	Chiral <i>N</i> -Heterocyclic Carbenes. , 0, , 279-308.		0
300	New Chiral <i>N</i> -Heterocyclic Carbene Ligands in Palladium-Catalyzed α -Arylations of Amides: Conformational Locking through Allylic Strain as a Device for Stereocontrol. <i>Chemistry - A European Journal</i> , 2010, 16, 6300-6309.	1.7	90
301	Formation of Quaternary Chiral Centers by <i>N</i> -Heterocyclic Carbene-Cu-Catalyzed Asymmetric Conjugate Addition Reactions with Grignard Reagents on Trisubstituted Cyclic Enones. <i>Chemistry - A European Journal</i> , 2010, 16, 9890-9904.	1.7	108
302	Electronic Tuning of a Carbene Center via Remote Chemical Induction, and Relevant Effects in Catalysis. <i>Chemistry - A European Journal</i> , 2010, 16, 11432-11442.	1.7	107
303	Anionic <i>N</i> -Heterocyclic Carbenes with <i>N</i> , <i>N'</i> -Bis(fluoroaryl) and <i>N</i> , <i>N'</i> -Bis(perfluoroaryl) Substituents. <i>Chemistry - A European Journal</i> , 2010, 16, 14520-14533.	1.7	35
307	A Recyclable Nanoparticle-Supported Palladium Catalyst for the Hydroxycarbonylation of Aryl Halides in Water. <i>Angewandte Chemie - International Edition</i> , 2010, 49, 1867-1870.	7.2	209
308	Non-Innocent Behavior of a Tridentate NHC Chelating Ligand Coordinated onto a Zirconium(IV) Center. <i>Angewandte Chemie - International Edition</i> , 2010, 49, 2198-2201.	7.2	65
309	The Beginnings of <i>N</i> -Heterocyclic Carbenes. <i>Angewandte Chemie - International Edition</i> , 2010, 49, 8798-8801.	7.2	83
310	The impact of ion pair association upon the ¹ H NMR spectra of cationic complexes akin to Grubbs catalysts. <i>Magnetic Resonance in Chemistry</i> , 2010, 48, 261-269.	1.1	3
311	Synthesis of <i>N,O</i> -heterocyclic carbene and coordination to rhodium(I) and copper(I). <i>Polyhedron</i> , 2010, 29, 30-33.	1.0	19

#	ARTICLE	IF	CITATIONS
312	1D coordination polymers of silver(I) and copper(II) based on bis(N-heterocyclic carbene) ligands: Synthesis and structural studies. <i>Polyhedron</i> , 2010, 29, 2121-2126.	1.0	15
313	Synthesis, characterisation and properties of ferrocenylalkylimidazolium salts. <i>Journal of Organometallic Chemistry</i> , 2010, 695, 1126-1132.	0.8	27
314	Imidazolium salts from amino acids—a new route to chiral zwitterionic carbene precursors?. <i>Tetrahedron: Asymmetry</i> , 2010, 21, 393-397.	1.8	34
315	The first enantiomerically pure thiadiazol-3-one 1-oxide and thiatriaza-indene 3-oxide systems chiral at the sulfur atom. <i>Tetrahedron: Asymmetry</i> , 2010, 21, 1959-1962.	1.8	4
316	N-phosphonio formamidine derivatives: Synthesis, characterization, X-ray crystal structures, and deprotonation reactions. <i>Comptes Rendus Chimie</i> , 2010, 13, 1233-1240.	0.2	3
317	N,S-Heterocyclic Carbene Complexes. <i>Australian Journal of Chemistry</i> , 2010, 63, 727.	0.5	17
318	Comparison of donor properties of N-heterocyclic carbenes and N-donors containing the 1H-pyridin-(2E)-ylidene motif. <i>Pure and Applied Chemistry</i> , 2010, 82, 1663-1671.	0.9	37
319	Metal Complexes of Chiral NHCs Containing a Fused Six- and Seven-Membered Central Ring. <i>Organometallics</i> , 2010, 29, 2724-2734.	1.1	61
320	N-Heterocyclic Carbene-Amine Pt(II) Complexes, a New Chemical Space for the Development of Platinum-Based Anticancer Drugs. <i>Journal of Medicinal Chemistry</i> , 2010, 53, 2146-2154.	2.9	150
321	Chapter 8. NHC—Cobalt, Rhodium and Iridium Complexes in Catalysis. <i>RSC Catalysis Series</i> , 2010, , 228-251.	0.1	2
322	Chapter 11. NHC—Copper, Silver and Gold Complexes in Catalysis. <i>RSC Catalysis Series</i> , 2010, , 317-344.	0.1	1
323	Chapter 13. Reduction Reactions with NHC-bearing Complexes. <i>RSC Catalysis Series</i> , 2010, , 366-398.	0.1	2
324	Chapter 9. NHC—Palladium Complexes in Catalysis. <i>RSC Catalysis Series</i> , 2010, , 252-283.	0.1	1
325	Reversal of Stereoselectivity in the Cu-Catalyzed Conjugate Addition Reaction of Dialkylzinc to Cyclic Enone in the Presence of a Chiral Azolium Compound. <i>Journal of Organic Chemistry</i> , 2010, 75, 5707-5715.	1.7	52
326	A Chiral 6-Membered <i>N</i> -Heterocyclic Carbene Copper(I) Complex That Induces High Stereoselectivity. <i>Organic Letters</i> , 2010, 12, 5008-5011.	2.4	154
327	Asymmetric Intermolecular Boron Heck-Type Reactions via Oxidative Palladium(II) Catalysis with Chiral Tridentate NHC-Amidate-Alkoxide Ligands. <i>Journal of Organic Chemistry</i> , 2010, 75, 95-101.	1.7	85
328	Ruthenium—Arene Complexes Derived from NHC TM CO ₂ and NHC TM CS ₂ Zwitterionic Adducts and Their Use in Olefin Metathesis. <i>NATO Science for Peace and Security Series A: Chemistry and Biology</i> , 2010, , 71-88.	0.5	0
329	Introduction to N-Heterocyclic Carbenes: Synthesis and Stereoelectronic Parameters. <i>RSC Catalysis Series</i> , 2010, , 1-41.	0.1	4

#	ARTICLE	IF	CITATIONS
330	Palladium Complexes of Planar Chiral Ferrocenyl Phosphine-NHC Ligands: New Catalysts for the Asymmetric Suzuki-Miyaura Reaction. <i>Organometallics</i> , 2010, 29, 1879-1882.	1.1	124
331	Copper-catalyzed asymmetric addition of arylboronates to isatins: a catalytic cycle involving alkoxy copper intermediates. <i>Chemical Communications</i> , 2010, 46, 6822.	2.2	87
332	Bis(NHC)-Palladium(II) Complex-Catalyzed Dioxygenation of Alkenes. <i>Organometallics</i> , 2010, 29, 928-933.	1.1	91
333	Asymmetric 1,4-Addition of Arylboronic Acids to 2,3-Dihydro-4-pyridones Catalyzed by Axially Chiral NHC-Pd(II) Complexes. <i>Journal of Organic Chemistry</i> , 2010, 75, 3935-3937.	1.7	68
334	Sustainable chemistry: imidazolium salts in biomass conversion and CO ₂ fixation. <i>Energy and Environmental Science</i> , 2010, 3, 408-417.	15.6	159
335	Phosphine-free chiral metal catalysts for highly effective asymmetric catalytic hydrogenation. <i>Organic and Biomolecular Chemistry</i> , 2010, 8, 2497.	1.5	73
336	Isoquinoline-based chiral monodentate N-heterocyclic carbenes. <i>Chemical Communications</i> , 2010, 46, 7525.	2.2	88
337	Synthesis and Characterisation of a Novel Chiral Bidentate Pyridine-N-Heterocyclic Carbene-Based Palladacycle. <i>European Journal of Inorganic Chemistry</i> , 2010, 2010, 1413-1418.	1.0	17
338	Half-sandwich NHC-nickel(ii) complexes as pre-catalysts for the fast Suzuki coupling of aryl halides: a comparative study. <i>Dalton Transactions</i> , 2010, 39, 8153.	1.6	86
339	Green Metathesis Chemistry. NATO Science for Peace and Security Series A: Chemistry and Biology, 2010, , .	0.5	14
340	The influence of electron delocalization upon the stability and structure of potential N-heterocyclic carbene precursors with 1,3-diaryl-imidazolidine-4,5-dione skeletons. <i>New Journal of Chemistry</i> , 2010, 34, 1295.	1.4	57
341	N-Heterocyclic Carbene Complexes: Decomposition Pathways. <i>Catalysis By Metal Complexes</i> , 2010, , 299-314.	0.6	4
342	Preparation and Characterization of Two New N-Heterocyclic Carbene Gold(I) Complexes and Comparison of Their Catalytic Activity to Au(IPr)Cl. <i>Organometallics</i> , 2010, 29, 3450-3456.	1.1	34
343	Thioether-Functionalized N-Heterocyclic Carbenes: Mono- and Bis-(S, C)-NHC Palladium Complexes, Catalytic C-C Coupling, and Characterization of a Unique Ag ₄ Cl ₄ (S, C) ₂ Planar Cluster. <i>Organometallics</i> , 2010, 29, 5614-5626.	1.1	78
344	Osmium Complexes Containing N-Heterocyclic Carbene-Based C,N,C-Pincer Ligands. <i>Organometallics</i> , 2010, 29, 2533-2539.	1.1	37
345	A new chiral di-N-heterocyclic carbene (NHC) cyclophane ligand and its application in palladium enantioselective catalysis. <i>Dalton Transactions</i> , 2010, 39, 6392.	1.6	30
346	Unusual reactivity in organoaluminium and NHC chemistry: deprotonation of AlMe ₃ by an NHC moiety involving the formation of a sterically bulky NHC-AlMe ₃ Lewis adduct. <i>Chemical Communications</i> , 2010, 46, 2480.	2.2	76
347	Ag(i) and Au(i) complexes of sterically crowded cyclic phosphinimine ligands. <i>Dalton Transactions</i> , 2010, 39, 9626.	1.6	8

#	ARTICLE	IF	CITATIONS
348	Access to new Janus head ligands: linking sulfur diimides and phosphanes for hemilabile tripodal scorpionates. <i>Dalton Transactions</i> , 2011, 40, 1662.	1.6	30
349	Theoretical investigations of the reactivities of saturated five-membered ring N-heterocyclic carbenes with heavier Group 14 elements. <i>Dalton Transactions</i> , 2011, 40, 7898.	1.6	12
350	Chiral N-heterocyclic biscarbenes based on 1,2,4-triazole as ligands for metal-catalyzed asymmetric synthesis. <i>Dalton Transactions</i> , 2011, 40, 41-43.	1.6	21
351	Different Reactivities of Pyrid-2-yl- and 6-Picol-2-yl-Functionalized NHC Ligands with $[Ru_3(CO)_{12}] : C(sp^2) \hat{=} H$ and Double $C(sp^3) \hat{=} H$ Bond Activation Reactions. <i>Organometallics</i> , 2011, 30, 2371-2376.	1.1	21
352	Transmetalation Reactions Yield New Tetra- and Pentairidium Carbonyl Complexes Containing σ -Bonded Phenyl Rings. <i>Organometallics</i> , 2011, 30, 5867-5872.	1.1	11
353	Rhodium(iii) and ruthenium(ii) complexes of redox-active, chelating N-heterocyclic carbene/thioether ligands. <i>New Journal of Chemistry</i> , 2011, 35, 2162.	1.4	25
354	Efficient, Single-Step Access to Imidazo[1,5- <i>a</i>]pyridine <i>N</i> -Heterocyclic Carbene Precursors. <i>Organic Letters</i> , 2011, 13, 5256-5259.	2.4	66
355	New CNN-Type Ruthenium Pincer NHC Complexes. Mild, Efficient Catalytic Hydrogenation of Esters. <i>Organometallics</i> , 2011, 30, 3826-3833.	1.1	177
356	Synthesis and structure of a novel tridentate chiral-NHC ligand precursor. <i>Heterocyclic Communications</i> , 2011, 17, .	0.6	0
357	Assessment of Steric and Electronic Effects of N-Heterocyclic Carbenes in Grubbs Olefin Metathesis Using Molecular Electrostatic Potential. <i>Organometallics</i> , 2011, 30, 3106-3112.	1.1	19
358	Reactivity of $[Ru_3(CO)_{12}]$ with a Phosphine-Functionalized Imidazol-2-ylidene and Its Imidazolium Salt. <i>Organometallics</i> , 2011, 30, 826-833.	1.1	44
359	Probing Intermetallic Coupling in Dinuclear N-Heterocyclic Carbene Ruthenium(II) Complexes. <i>Inorganic Chemistry</i> , 2011, 50, 8188-8196.	1.9	47
360	Chemical Exchange Saturation Transfer (CEST) as a Tool to Measure Ligand Flexibility of Chelating Chiral Di- <i>N</i> -heterocyclic Carbene Complexes. <i>Organometallics</i> , 2011, 30, 6034-6043.	1.1	12
361	Dynamic behaviour attributed to chiral carbohydrate substituents of N-heterocyclic carbene ligands in square planar nickel complexes. <i>Dalton Transactions</i> , 2011, 40, 6778.	1.6	34
363	Coordination Chemistry of <i>N</i> -Heterocyclic Stannylenes: A Combined Synthetic and Mössbauer Spectroscopy Study. <i>Inorganic Chemistry</i> , 2011, 50, 2252-2263.	1.9	62
364	Axially Chiral N-Heterocyclic Carbene Gold(I) Complex Catalyzed Asymmetric Cycloisomerization of 1,6-Enynes. <i>Organometallics</i> , 2011, 30, 3859-3869.	1.1	89
365	Facile synthesis of planar chiral N-oxides and their use in Lewis base catalysis. <i>Chemical Communications</i> , 2011, 47, 433-435.	2.2	50
366	The N-heterocyclic carbene chemistry of transition-metal carbonyl clusters. <i>Chemical Society Reviews</i> , 2011, 40, 5389.	18.7	82

#	ARTICLE	IF	CITATIONS
367	Pyrazolin-4-ylidenes: a new class of intriguing ligands. Dalton Transactions, 2011, 40, 2141-2147.	1.6	71
368	Synthetic Routes to N-Heterocyclic Carbene Precursors. Chemical Reviews, 2011, 111, 2705-2733.	23.0	647
369	Synthesis and characterization of chiral mono N-heterocyclic carbene-substituted rhodium complexes and their catalytic properties in hydrosilylation reactions. Journal of Organometallic Chemistry, 2011, 696, 3945-3954.	0.8	19
370	Synthesis, structure, and catalytic activity of rhodium complexes with new chiral binaphthyl-based NHC-ligands. Journal of Organometallic Chemistry, 2011, 696, 3714-3720.	0.8	27
371	Design and Synthesis of C ₂ -Symmetric N-Heterocyclic Carbene Precursors and Metal Carbenoids. Journal of Organic Chemistry, 2011, 76, 7341-7351.	1.7	56
372	New Mixed-Donor Bidentate Ligands Based on N-Heterocyclic Carbene and Thione Donors. Organometallics, 2011, 30, 4779-4787.	1.1	21
373	Novel Reactivity Mode of Metal Diaminocarbenes: Palladium(II)-Mediated Coupling between Acyclic Diaminocarbenes and Isonitriles Leading to Dinuclear Species. Organometallics, 2011, 30, 3362-3370.	1.1	65
374	Efficient Synthesis of Novel Chiral Bisimidazolium Dichlorides under Solvent-Free Conditions. Journal of Chemical Research, 2011, 35, 471-473.	0.6	2
375	Recent Developments in the Applications of Palladium Complexes Bearing N-Heterocyclic Carbene Ligands. Current Organic Chemistry, 2011, 15, 3309-3324.	0.9	58
376	Copper-catalyzed Enantioselective Allylic Substitution. Topics in Organometallic Chemistry, 2011, , 235-268.	0.7	55
377	Synthesis of amino acid derived imidazolidinium salts as new NHC precatalysts. Tetrahedron: Asymmetry, 2011, 22, 1994-2006.	1.8	13
378	Axially chiral N-heterocyclic carbene gold(I) complex catalyzed asymmetric Friedel-Crafts/cyclization reaction of nitrogen-tethered 1,6-enynes with indole derivatives. Tetrahedron: Asymmetry, 2011, 22, 2029-2038.	1.8	36
379	Iridium complex bearing a chiral hydroxy-amide functionalized N-heterocyclic carbene: a catalyst precursor for asymmetric transfer hydrogenation. Tetrahedron Letters, 2011, 52, 6788-6791.	0.7	42
380	Iridium(I) Complexes with Hemilabile N-Heterocyclic Carbenes: Efficient and Versatile Transfer Hydrogenation Catalysts. Organometallics, 2011, 30, 5493-5508.	1.1	132
381	Synthesis of Chiral N-Heterocyclic Carbene Ligands with Rigid Backbones and Application to the Palladium-Catalyzed Enantioselective Intramolecular α -Arylation of Amides. Organic Letters, 2011, 13, 1666-1669.	2.4	91
382	Synthesis of Gold Complexes Bearing Sterically Highly Encumbered, Chiral Carbene Ligands. Organometallics, 2011, 30, 1287-1290.	1.1	43
383	Chiral NHC-Complexes with Dioxolane Backbone Heterogenized on MCM-41. Catalytic Activity. ChemCatChem, 2011, 3, 1320-1328.	1.8	35
384	N-Heterocyclic Carbene-Rhodium(I) Complexes Derived from Proline for the 1,4-Conjugate Addition of Arylboronic Acids to Enones in Neat Water. Catalysis Letters, 2011, 141, 705-708.	1.4	15

#	ARTICLE	IF	CITATIONS
385	Diether functionalized rhodium(I)-N-heterocyclic carbene complexes and their catalytic application for transfer hydrogenation reactions. <i>Inorganica Chimica Acta</i> , 2011, 365, 264-268.	1.2	32
386	Synthesis and evaluation of a broad range of new chiral phosphine-carbene ligands for asymmetric hydrogenation. <i>Tetrahedron: Asymmetry</i> , 2011, 22, 562-574.	1.8	13
387	Synthesis and Structural Characterization of New Chiral (Biscarbene)platinum(II) Complexes. <i>European Journal of Inorganic Chemistry</i> , 2011, 2011, 249-254.	1.0	8
388	Copper(I) Complexes of Normal and Abnormal Carbenes and Their Use as Catalysts for the Huisgen [3+2] Cycloaddition between Azides and Alkynes. <i>European Journal of Inorganic Chemistry</i> , 2011, 2011, 3067-3075.	1.0	116
389	A Configurationally Stable Chiral Concave Imidazolium Salt. <i>European Journal of Organic Chemistry</i> , 2011, 2011, 1040-1046.	1.2	3
390	Asymmetric Transfer Hydrogenation of Aromatic Ketones Using Rhodium Complexes of Chiral N-Heterocyclic Carbenes Derived from (S)-Pyroglutamic Acid. <i>European Journal of Organic Chemistry</i> , 2011, 2011, 2772-2776.	1.2	32
391	[5]Ferrocenophanene-Phosphane Ligands for Enantioselective Rh-Catalyzed Conjugate Additions. <i>European Journal of Organic Chemistry</i> , 2011, 2011, 6110-6116.	1.2	20
392	Synthesis and Organocatalytic Applications of Imidazol(in)ium-thiocarboxylates. <i>European Journal of Organic Chemistry</i> , 2011, 2011, 7083-7091.	1.2	33
393	Asymmetric Conjugate Addition to Cyclic Enone Catalyzed by Cu-NHC Complexes with C ₂ Symmetry. <i>Chinese Journal of Chemistry</i> , 2011, 29, 973-977.	2.6	8
394	A computational study of the reactivities of four-membered heavy carbene systems. <i>Journal of Computational Chemistry</i> , 2011, 32, 1896-1906.	1.5	5
400	Copper-Catalyzed 1,4-Addition of Organoboronates to Alkylidene Cyanoacetates: Mechanistic Insight and Application to Asymmetric Catalysis. <i>Angewandte Chemie - International Edition</i> , 2011, 50, 5548-5552.	7.2	107
401	Modular Monodentate Oxaphospholane Ligands: Utility in Highly Efficient and Enantioselective 1,4-Diboration of 1,3-Dienes. <i>Angewandte Chemie - International Edition</i> , 2011, 50, 7906-7909.	7.2	70
402	N-Heterocyclic Carbenes: Organocatalysts with Moderate Nucleophilicity but Extraordinarily High Lewis Basicity. <i>Angewandte Chemie - International Edition</i> , 2011, 50, 6915-6919.	7.2	174
403	Electronic Properties and Reactivity of an Isolable Phosphagermaheterocyclic Carbene. <i>Angewandte Chemie - International Edition</i> , 2011, 50, 7607-7610.	7.2	12
404	Fused Indolines by Palladium-Catalyzed Asymmetric C-C Coupling Involving an Unactivated Methylene Group. <i>Angewandte Chemie - International Edition</i> , 2011, 50, 7438-7441.	7.2	290
405	Imidazole-coordinated monodentate NHC-Pd(II) complex derived from proline and its application to the coupling reaction of arylboronic acids with carboxylic acid anhydrides in water at room temperature. <i>Applied Organometallic Chemistry</i> , 2011, 25, 497-501.	1.7	32
406	Insight into the Role of the Counteranion of an Imidazolium Salt in Organocatalysis: A Combined Experimental and Computational Study. <i>Chemistry - A European Journal</i> , 2011, 17, 5965-5971.	1.7	45
407	Towards the Limit of Atropochiral Stability: H-MIOP, an N-Heterocyclic Carbene Precursor and Cationic Analogue of the H-MOP Ligand. <i>Chemistry - A European Journal</i> , 2011, 17, 5110-5115.	1.7	39

#	ARTICLE	IF	CITATIONS
408	Preparation of Mononuclear, Homodinuclear, and Heterotrinnuclear Complexes by Salicylaldiminato-Functionalized Imidazolium Salt: Approach to Multifunctional Catalysts. <i>Chemistry - A European Journal</i> , 2011, 17, 11041-11051.	1.7	24
409	Asymmetric Synthesis of β -Adrenergic Blockers through Multistep One-Pot Transformations Involving In Situ Chiral Organocatalyst Formation. <i>Chemistry - A European Journal</i> , 2011, 17, 14380-14384.	1.7	28
410	Synthesis of trifluoroborate functionalised imidazolium salts as precursors to weakly coordinating bidentate NHC ligands. <i>Inorganica Chimica Acta</i> , 2011, 369, 180-189.	1.2	7
411	A new C ₂ -symmetric azolium compound for Cu-catalyzed asymmetric conjugate addition of R ₂ Zn to cyclic enone. <i>Journal of Organometallic Chemistry</i> , 2011, 696, 61-67.	0.8	25
412	Heterocyclic carbenes of diverse flexibility: A theoretical insight. <i>Journal of Organometallic Chemistry</i> , 2011, 696, 586-593.	0.8	19
413	A Ru ^{II} -N-heterocyclic carbene (NHC) complex from metal-metal singly bonded diruthenium(I) precursor: Synthesis, structure and catalytic evaluation. <i>Journal of Organometallic Chemistry</i> , 2011, 696, 1248-1257.	0.8	25
414	Synthesis of rhodium N-heterocyclic carbene complexes and their catalytic activity in the hydrosilylation of alkenes in ionic liquid medium. <i>Journal of Organometallic Chemistry</i> , 2011, 696, 2116-2121.	0.8	30
415	Synthesis and characterization of amide-functionalized N-heterocyclic carbene-Pd complexes. <i>Journal of Organometallic Chemistry</i> , 2011, 696, 1910-1915.	0.8	22
416	Synthesis of bis(N-heterocyclic carbene) palladium complexes derived from (S,S)-1,2-bis(1-hydroxypropyl)benzene. <i>Journal of Organometallic Chemistry</i> , 2011, 696, 2399-2405.	0.8	13
417	Bis-ligated Ti and Zr complexes of chelating N-heterocyclic carbenes. <i>Journal of Organometallic Chemistry</i> , 2011, 696, 2477-2481.	0.8	37
418	Syntheses, structures and efficient catalysis for C-C coupling of some benzaldehyde thiosemicarbazone complexes of palladium. <i>Journal of Molecular Catalysis A</i> , 2011, 344, 62-73.	4.8	44
419	Synthesis and characterization of Palladium(II) complexes of chiral chelating NHC-N donor hybrid ligands. <i>Tetrahedron</i> , 2011, 67, 1523-1529.	1.0	17
421	Efficient synthesis of novel chiral bisimidazolium dichlorides under solvent-free conditions. <i>Journal of Chemical Research</i> , 2011, 35, 471-473.	0.6	3
422	Suzuki-Miyaura Reactions Catalyzed by C ₂ -Symmetric Pd-Multi-Dentate N-Heterocyclic Carbene Complexes. <i>Molecules</i> , 2012, 17, 12121-12139.	1.7	13
423	Transition Metal Catalyzed Enantioselective Allylic Substitution in Organic Synthesis. <i>Topics in Organometallic Chemistry</i> , 2012, , .	0.7	101
424	SiO ₂ -NHC-Cu ^I -Catalyzed N-Arylation of Imidazoles with Arylboronic Acids Under Base-Free Reaction Conditions. <i>Synthetic Communications</i> , 2012, 42, 2595-2605.	1.1	12
426	Recent Developments of Expanded Ring N-Heterocyclic Carbenes. <i>Current Organic Chemistry</i> , 2012, 16, 2879-2891.	0.9	35
427	A robust zirconium N-heterocyclic carbene complex for the living and highly stereoselective ring-opening polymerization of rac-lactide. <i>Chemical Communications</i> , 2012, 48, 2213.	2.2	117

#	ARTICLE	IF	CITATIONS
428	Functionalized N-Heterocyclic Carbene Ligands for Dual Enantioselective Control in the Cu-Catalyzed Conjugate Addition of Dialkylzinc Compounds to Acyclic Enones. <i>European Journal of Organic Chemistry</i> , 2012, 2012, 7143-7152.	1.2	27
429	Hybrid organic-inorganic structured materials as single-site heterogeneous catalysts. <i>Proceedings of the Royal Society A: Mathematical, Physical and Engineering Sciences</i> , 2012, 468, 1927-1954.	1.0	24
430	Quaternary Chiral I ^{2,2} -Amino Acids with Pyridinium and Imidazolium Substituents. <i>Chemistry - A European Journal</i> , 2012, 18, 15822-15830.	1.7	14
431	Easy Derivatisation of Group...10 N-Heterocyclic Carbene Complexes and In Vitro Evaluation of an Anticancer Oestradiol Conjugate. <i>ChemPlusChem</i> , 2012, 77, 1028-1038.	1.3	35
432	Stereospecific synthesis and catalytic activity of l-histidylidene metal complexes. <i>Dalton Transactions</i> , 2012, 41, 8813.	1.6	18
433	Iridium-Gold Cluster Compounds: Syntheses, Structures, and an Unusual Ligand-Induced Skeletal Rearrangement. <i>Organometallics</i> , 2012, 31, 3588-3598.	1.1	18
434	Hydroxy-amide Functionalized Azolium Salts for Cu-Catalyzed Asymmetric Conjugate Addition: Stereocontrol Based on Ligand Structure and Copper Precatalyst. <i>Journal of Organic Chemistry</i> , 2012, 77, 4079-4086.	1.7	37
435	Synthesis, Air Stability, Photobleaching, and DFT Modeling of Blue Light Emitting Platinum CCC-N-Heterocyclic Carbene Pincer Complexes. <i>Organometallics</i> , 2012, 31, 1664-1672.	1.1	104
436	Reactivity of a Bis(N-heterocyclic carbene) with Ruthenium Carbonyl. Synthesis of Mono- and Trinuclear Derivatives and Ligand Modification via C-H Bond Activation. <i>Organometallics</i> , 2012, 31, 8355-8359.	1.1	12
437	Investigation of the complexation behaviour and catalysis of IBiox-[(⁺)-menthyl]Â-HOTf. <i>Tetrahedron</i> , 2012, 68, 7636-7644.	1.0	11
438	Silver and Palladium Complexes Containing Ditopic N-Heterocyclic Carbene-Thione Ligands. <i>Organometallics</i> , 2012, 31, 6595-6607.	1.1	16
439	Synthesis, structure, and catalytic activity of palladium complexes with new chiral cyclohexane-1,2-based di-NHC-ligands. <i>Journal of Organometallic Chemistry</i> , 2012, 700, 223-229.	0.8	26
440	Water-soluble carbene complexes as catalysts for the hydrogenation of acetophenone under hydrogen pressure. <i>Journal of Organometallic Chemistry</i> , 2012, 703, 56-62.	0.8	42
441	Iridium-Ruthenium-gold cluster complexes: Structures, and skeletal Rearrangements. <i>Journal of Organometallic Chemistry</i> , 2012, 706-707, 20-25.	0.8	6
442	Reactivity of [Ru ₄ (μ_4 -H) ₄ (CO) ₁₂] with bidentate ligands containing at least one N-heterocyclic carbene moiety. <i>Journal of Organometallic Chemistry</i> , 2012, 711, 68-74.	0.8	11
443	Stereochemical and structural characteristics of single- and double-site Pd(II)-N-heterocyclic carbene complexes: Promising catalysts in organic syntheses ranging from CC coupling to olefin polymerizations. <i>Coordination Chemistry Reviews</i> , 2012, 256, 1787-1830.	9.5	157
444	Acyclic diaminocarbenes (ADCs) as a promising alternative to N-heterocyclic carbenes (NHCs) in transition metal catalyzed organic transformations. <i>Coordination Chemistry Reviews</i> , 2012, 256, 2029-2056.	9.5	169
446	Preparation of a series of Ru(ⁱⁱ) complexes with N-heterocyclic carbeneligands for the catalytic transfer hydrogenation of aromatic ketones. <i>Dalton Transactions</i> , 2012, 41, 2330-2339.	1.6	54

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447	Derivatization of Preformed Platinum N-Heterocyclic Carbene Complexes with Amino Acid and Peptide Ligands and Cytotoxic Activities toward Human Cancer Cells. <i>Organometallics</i> , 2012, 31, 7618-7621.	1.1	42
448	Reactivity of a Quinoline-Tethered N-Heterocyclic Carbene with Polynuclear Ruthenium Carbonyls. <i>Organometallics</i> , 2012, 31, 8114-8120.	1.1	9
449	Reactivity for boryl(phosphino)carbenyl carbene analogues with group 14 elements (C, Si, Ge, Sb, and) <i>Tj ETQq0 0 0 rgBT /Overlock 10 T</i>	1.8	9
450	Reactivity of Phosphine- and Thioether-Tethered N-Heterocyclic Carbenes with Ruthenium Carbonyl. <i>Organometallics</i> , 2012, 31, 327-334.	1.1	30
451	Six-Membered, Chiral NHCs Derived from Camphor: Structure-Reactivity Relationship in Asymmetric Oxindole Synthesis. <i>Organometallics</i> , 2012, 31, 1127-1132.	1.1	52
452	Versatile 1,2- and 1,3-Dipole Behavior of the 1-Arsa-3-Germaallene Tip(<i>i</i> -t/ <i>i</i> -Bu)Ge•C•AsMes*: Formation of a Heterocyclic Arsa(germa)carbene (AsGeHC). <i>Organometallics</i> , 2012, 31, 930-940.	1.1	12
453	Synthesis and Structures of Iridium-Gold Carbonyl Cluster Compounds Containing Methyl and <i>Ń</i> -Aryl Ligands. <i>Organometallics</i> , 2012, 31, 6457-6465.	1.1	15
454	Emissive Osmium(II) Complexes Supported by N-Heterocyclic Carbene-based C [∞] -Pincer Ligands and Aromatic Diimines. <i>Inorganic Chemistry</i> , 2012, 51, 8693-8703.	1.9	58
455	Lithiation-Based and Magnesation-Based Strategies for the Functionalization of Imidazole: 2001-2010. <i>Topics in Heterocyclic Chemistry</i> , 2012, , 77-102.	0.2	5
456	Group 10 Metal Complexes of a Ferrocene-Based N-Heterocyclic Carbene: Syntheses, Structures and Catalytic Applications. <i>European Journal of Inorganic Chemistry</i> , 2012, 2012, 1413-1422.	1.0	26
457	Cyclopentadienyl-, Indenyl- and Fluorenyl-Functionalized N-Heterocyclic Carbene Metal Complexes: Synthesis and Catalytic Applications. <i>European Journal of Inorganic Chemistry</i> , 2012, 2012, 1309-1318.	1.0	64
458	Synthesis of an Ionic Paramagnetic Ruthenium(III) Complex and Its Application as an Efficient and Recyclable Catalyst for the Transfer Hydrogenation of Ketones. <i>European Journal of Inorganic Chemistry</i> , 2012, 2012, 3435-3440.	1.0	18
459	Singlet Carbenes Derived from Ferrocene and Closely Related Sandwich Complexes. <i>European Journal of Inorganic Chemistry</i> , 2012, 2012, 3523-3536.	1.0	69
460	N-heterocyclic carbene transition metal complexes for catalysis in aqueous media. <i>Chemical Society Reviews</i> , 2012, 41, 7032.	18.7	328
461	An Unexpected Synthesis of Dihydrophenazines <i>en Route</i> to Benzimidazolium Salts. <i>Advanced Synthesis and Catalysis</i> , 2012, 354, 1356-1362.	2.1	11
462	Asymmetric Hydrosilane Reduction of Ketones Catalyzed by an Iridium Complex Bearing a Hydroxamide-Functionalized NHC Ligand. <i>Advanced Synthesis and Catalysis</i> , 2012, 354, 807-812.	2.1	37
464	Nucleophilic Reactivities of Deoxy Breslow Intermediates: How Does Aromaticity Affect the Catalytic Activities of N-Heterocyclic Carbenes?. <i>Angewandte Chemie - International Edition</i> , 2012, 51, 6231-6235.	7.2	120
465	Dinuclear Pd(II)-NHC complex derived from proline and its application toward Mizoroki-Heck reaction performed in water. <i>Applied Organometallic Chemistry</i> , 2012, 26, 175-179.	1.7	28

#	ARTICLE	IF	CITATIONS
466	Symmetric and dissymmetric <i>N</i> -heterocyclic carbene rhodium(I) complexes: a comparative study of their catalytic activities in transfer hydrogenation reaction. Applied Organometallic Chemistry, 2012, 26, 246-251.	1.7	14
467	Consequences of the One-Electron Reduction and Photoexcitation of Unsymmetric Bis-imidazolium Salts. Chemistry - A European Journal, 2012, 18, 10677-10688.	1.7	6
468	TRANS-DIP: A <i>trans</i> -Chelating Ligand Tailor-Made for Probing Unusual Pd ⁰ and Pd ^{II} Intermediates. Chemistry - A European Journal, 2012, 18, 10813-10816.	1.7	13
469	Dipalladium Complexes with Triazolidin-Diylidene Bridges and Their Catalytic Activities. Organometallics, 2012, 31, 4565-4573.	1.1	22
470	Chiral NHC-metal-based asymmetric catalysis. Coordination Chemistry Reviews, 2012, 256, 804-853.	9.5	299
471	Evaluation of catalytic properties of aminocarbene species derived from the integration between 3-iminoindolin-1-ones and palladium-bound isonitriles in Suzuki-Miyaura cross-coupling. Inorganica Chimica Acta, 2012, 380, 322-327.	1.2	27
472	Characterization of [Pd(pap)(NHC)I ₂] _n (n=+1, 0, -1; pap=phenylazopyridine; NHC=N-heterocyclic) Inorganica Chimica Acta, 2012, 380, 269-273.	1.2	10
473	New pentamethylene-bridged bis-imidazolium dication ligands and its palladium(II) complexes: Synthesis, characterization, and catalysis. Inorganica Chimica Acta, 2012, 383, 118-124.	1.2	2
474	Ligand design for dual enantioselective control in Cu-catalyzed asymmetric conjugate addition of R ² Zn to cyclic enone. Tetrahedron, 2012, 68, 3512-3518.	1.0	29
475	Steric tuning of C ₂ -symmetric chiral N-heterocyclic carbene in gold-catalyzed asymmetric cyclization of 1,6-enynes. Tetrahedron, 2012, 68, 4159-4165.	1.0	34
476	Palladium catalyzed the Suzuki cross-coupling reaction using a fluorous NHC ligand. Journal of Fluorine Chemistry, 2012, 140, 107-111.	0.9	12
477	A Cyclobutene-1,2-bis(imidazolium) Salt as Preligand for Palladium-Catalyzed Cross-Coupling Reactions: Properties and Applications. European Journal of Organic Chemistry, 2012, 2012, 754-763.	1.2	5
478	<i>N</i> -heterocyclic carbenes. IV. synthesis of symmetrical and unsymmetrical imidazolium salts with abietane moiety. Heteroatom Chemistry, 2012, 23, 5-15.	0.4	7
479	Abnormal N-Heterocyclic Carbene-Phosphine Ruthenium(II) Complexes as Active Catalysts for Transfer Hydrogenation. Organometallics, 2013, 32, 4042-4045.	1.1	54
480	Structures and Ambident Reactivities of Azolium Enolates. Angewandte Chemie - International Edition, 2013, 52, 11163-11167.	7.2	36
481	Exploring Nitrogen Ligand Diversity in <i>trans</i> - <i>N</i> -Heterocyclic Carbene-Amine Platinum Complexes: Synthesis, Characterization, and Application to Fluorescence. Chemistry - an Asian Journal, 2013, 8, 1232-1242.	1.7	27
482	Stable Ionic Rh(I,II,III) Complexes Ligated by an Imidazolium-Substituted Phosphine with π -Acceptor Character: Synthesis, Characterization, and Application to Hydroformylation. Organometallics, 2013, 32, 2698-2704.	1.1	33
483	Introduction of bulky tert-butyl substituents on the core of N,N'-diaryl N-heterocyclic carbenes through the corresponding vicinal diamines. Tetrahedron Letters, 2013, 54, 4793-4795.	0.7	9

#	ARTICLE	IF	CITATIONS
484	Abnormal carbenes derived from the 1,5-cycloaddition product between azides and alkynes: structural characterization of Pd(II) complexes and their catalytic properties. Dalton Transactions, 2013, 42, 11355.	1.6	54
485	Catalytic Activation and Conversion of Carbon Dioxide into Fuels/Value-Added Chemicals Through C C Bond Formation. , 2013, , 81-147.		5
486	(Cyclopentadienyl)iron(II) Complexes of N-Heterocyclic Carbenes Bearing a Malonate or Imidate Backbone: Synthesis, Structure, and Catalytic Potential in Hydrosilylation. Organometallics, 2013, 32, 4643-4655.	1.1	67
487	Synthesis and characterization of a series of chiral NHCâ€“Pd complexes derived from l-phenylalanine. Transition Metal Chemistry, 2013, 38, 367-375.	0.7	4
488	Ruthenium(II) carbonyl complexes bearing CCC-pincer bis-(carbene) ligands: synthesis, structures and activities toward recycle transfer hydrogenation reactions. Dalton Transactions, 2013, 42, 13161.	1.6	36
489	Highly tunable anionic tethered N-heterocyclic carbene of Pd(II) complexes for asymmetric allylic alkylation reaction. Journal of Organometallic Chemistry, 2013, 726, 46-55.	0.8	23
490	Areneâ€“Ruthenium(II) and â€“Iridium(III) Complexes with â€“Clickâ€“Based Pyridyl-triazoles, Bis-triazoles, and Chelating Abnormal Carbenes: Applications in Catalytic Transfer Hydrogenation of Nitrobenzene. Organometallics, 2013, 32, 7376-7385.	1.1	132
492	Coupling of C-amino aza-substituted heterocycles with an isocyanide ligand in palladium(II) complex. Russian Chemical Bulletin, 2013, 62, 758-766.	0.4	25
493	N-Benzyl Substituted N-Heterocyclic Carbene Complexes of Iridium(I): Assessment in Transfer Hydrogenation Catalyst. Inorganic Chemistry, 2013, 52, 10601-10609.	1.9	45
494	Synthesis of Heterodimetallic Iridium-Palladium Complexes Containing Two Axes of Chirality: Study of Sequential Catalytic Properties. European Journal of Inorganic Chemistry, 2013, 2013, 4764-4769.	1.0	22
495	Iridium(I) N-heterocyclic carbene complexes of benzimidazol-2-ylidene: effect of electron donating groups on the catalytic transfer hydrogenation reaction. Dalton Transactions, 2013, 42, 7305-7311.	1.6	44
496	Syntheses of effectively-shielded N-heterocyclic carbene ligands. Tetrahedron, 2013, 69, 1687-1693.	1.0	17
497	Magnetically retrievable catalysts for organic synthesis. Chemical Communications, 2013, 49, 752-770.	2.2	578
498	N-Heterocyclic Carbene C,S Palladium(II) Î€-Allyl Complexes: Synthesis, Characterization, and Catalytic Application In Allylic Amination Reactions. Organometallics, 2013, 32, 2389-2397.	1.1	28
499	Assessing the ligand properties of 1,3-dimesitylbenzimidazol-2-ylidene in ruthenium-catalyzed olefin metathesis. Dalton Transactions, 2013, 42, 7287-7296.	1.6	29
500	Synthesis, structure, and catalytic activity of nickel complexes with new chiral binaphthyl-based NHC-ligands. Journal of Organometallic Chemistry, 2013, 729, 40-45.	0.8	39
501	Convenient in situ generation of a chiral bis-N-heterocyclic carbene palladium catalyst and its application in enantioselective synthesis. Polyhedron, 2013, 52, 810-819.	1.0	18
502	Design and Synthesis of Camphorâ€“derived Chiral [1,2,4]Triazolo[4,3â€“i>]tetrahydroquinoline Nâ€“Heterocyclic Carbene Precursors by Pdâ€“Catalyzed Coupling Reactions of Aryl Hydrazides with a Pyridyl Triflate Derivative. Asian Journal of Organic Chemistry, 2013, 2, 294-298.	1.3	6

#	ARTICLE	IF	CITATIONS
503	Unexpected rearrangements in the synthesis of an unsymmetrical tridentate dianionic N-heterocyclic carbene. <i>Chemical Science</i> , 2013, 4, 2117.	3.7	24
504	Chiral imidazo[1,5-a]tetrahydroquinoline N-heterocyclic carbenes and their copper complexes for asymmetric catalysis. <i>Tetrahedron: Asymmetry</i> , 2013, 24, 492-498.	1.8	26
505	Neutral and Cationic N-Heterocyclic Carbene Zirconium and Hafnium Benzyl Complexes: Highly Regioselective Oligomerization of 1-Hexene with a Preference for Trimer Formation. <i>Organometallics</i> , 2013, 32, 2736-2743.	1.1	53
506	Architectural Spiroligomers Designed for Binuclear Metal Complex Templating. <i>Inorganic Chemistry</i> , 2013, 52, 6457-6463.	1.9	16
507	Synthesis of chiral N-heterocyclic carbene (NHC) ligand precursors and formation of ruthenium(II) complexes for transfer hydrogenation catalysts. <i>Polyhedron</i> , 2013, 58, 162-170.	1.0	36
508	N-Heterocyclic Carbenes Functioning as Monoligating Clamps. <i>European Journal of Inorganic Chemistry</i> , 2013, 2013, 2841-2848.	1.0	46
509	Synthesis of Ru(II) complexes containing N-heterocyclic carbenes functionalized with secondary donor groups: Catalytic activity toward enantioselective transfer hydrogenation. <i>Journal of Organometallic Chemistry</i> , 2013, 740, 26-32.	0.8	29
511	Synthesis, structure, and catalytic activity of a new chiral NHC-iridium(III) complex. <i>Inorganic Chemistry Communication</i> , 2013, 29, 141-144.	1.8	21
512	Synthesis of a chiral N-heterocyclic carbene bearing a m-terphenyl-based phosphate moiety as an anionic N-substituent and its application to copper-catalyzed enantioselective boron conjugate additions. <i>Tetrahedron: Asymmetry</i> , 2013, 24, 729-735.	1.8	30
513	Group 4 Transition-Metal Complexes of an Aniline-Carbene-Phenol Ligand. <i>Organometallics</i> , 2013, 32, 2934-2938.	1.1	30
514	Copper-Catalyzed Direct Aryl Quaternization of <i>N</i> -Substituted Imidazoles to Form Imidazolium Salts. <i>Journal of Organic Chemistry</i> , 2013, 78, 5723-5730.	1.7	93
515	Synthesis and Structural Characterization of Rhodium Complexes Featuring Ditopic N-Heterocyclic Carbene/Thione Donors. <i>European Journal of Inorganic Chemistry</i> , 2013, 2013, 2782-2788.	1.0	3
516	Recent progress of N-heterocyclic carbenes in heterogeneous catalysis. <i>Catalysis Science and Technology</i> , 2013, 3, 2161.	2.1	116
517	Activating Azides and Alkynes for the Click Reaction with [Cu(<i>N</i> -NHC) ₂] or [Cu(<i>N</i> -NHC) ₂] ⁺ (<i>N</i> -NHC = Triazole-Derived Abnormal Carbenes): Structural Characterization and Catalytic Properties. <i>European Journal of Inorganic Chemistry</i> , 2013, 2013, 3956-3965.	1.0	79
518	Enantiopure Chiral Concave N-Heterocyclic Carbene Precursors. <i>European Journal of Organic Chemistry</i> , 2013, 2013, 7556-7566.	1.2	4
519	Neutral and Cationic N-Heterocyclic Carbene Zinc Adducts and the BnOH/Zn(C ₆ F ₅) ₂ Binary Mixture - Characterization and Use in the Ring-Opening Polymerization of β -Butyrolactone, Lactide, and Trimethylene Carbonate. <i>European Journal of Inorganic Chemistry</i> , 2013, 2013, 3699-3709.	1.0	64
520	Synthesis of Poly(silyl ether)s by Rhodium(I)-NHC Catalyzed Hydrosilylation: Homogeneous versus Heterogeneous Catalysis. <i>ChemCatChem</i> , 2013, 5, 1133-1141.	1.8	34
522	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

#	ARTICLE	IF	CITATIONS
523	Cyclometalated Mono- and Dinuclear Ir ^{III} Complexes with Click-Derived Triazoles and Mesoionic Carbenes. <i>Chemistry - A European Journal</i> , 2014, 20, 9952-9961.	1.7	70
524	Azavinylidenephosphoranes: A Class of Cyclic Push-Pull Carbenes. <i>Chemistry - A European Journal</i> , 2014, 20, 12528-12536.	1.7	11
525	Synthesis of Bimetallic Bis(phenolate) N-Heterocyclic Carbene Lanthanide Complexes and Their Applications in the Ring-Opening Polymerization of ϵ -Lactide. <i>Organometallics</i> , 2014, 33, 6861-6867.	1.1	47
526	Normal and Abnormal N-Heterocyclic Carbene Ligands. <i>Advances in Organometallic Chemistry</i> , 2014, 62, 111-158.	0.5	44
527	Chiral N-Heterocyclic Carbene Ligands Bearing a Pyridine Moiety for the Copper-Catalyzed Alkylation of <i>N</i> -Sulfonylimines with Dialkylzinc Reagents. <i>Chemistry - A European Journal</i> , 2014, 20, 16773-16778.	1.7	8
528	Synthesis and characterization of ruthenium(II) complexes with dendritic N-heterocyclic carbene ligands. <i>Inorganica Chimica Acta</i> , 2014, 409, 174-178.	1.2	4
529	Sidarm as a Control in the Asymmetric Ring Opening Reaction of Donor-Acceptor Cyclopropane. <i>Chinese Journal of Chemistry</i> , 2014, 32, 669-672.	2.6	17
530	Recent Advances in Carbon Dioxide Capture, Fixation, and Activation by using N-Heterocyclic Carbenes. <i>ChemSusChem</i> , 2014, 7, 962-998.	3.6	162
531	Structural Characterization, Solution Dynamics, and Reactivity of Palladium Complexes with Benzimidazolin-2-ylidene N-Heterocyclic Carbene Ligands. <i>European Journal of Inorganic Chemistry</i> , 2014, 2014, 2131-2139.	1.0	11
532	Preparation of imidazolium salts by the Pd-catalyzed reduction of thioureas with triethylsilane and trialkylsilyl triflate. <i>Tetrahedron Letters</i> , 2014, 55, 1412-1415.	0.7	17
533	Recent advances in S-functionalized N-heterocyclic carbene ligands: From the synthesis of azolium salts and metal complexes to applications. <i>Journal of Organometallic Chemistry</i> , 2014, 751, 286-300.	0.8	95
534	Asymmetric catalysis with N-heterocyclic carbenes as non-covalent chiral templates. <i>Nature Communications</i> , 2014, 5, 3437.	5.8	90
535	Hydrosilylation of Aldehydes and Ketones Catalyzed by Half-Sandwich Manganese(I) N-Heterocyclic Carbene Complexes. <i>Advanced Synthesis and Catalysis</i> , 2014, 356, 1093-1097.	2.1	82
536	Transfer Hydrogenation Catalysis by a N-Heterocyclic Carbene Iridium Complex on a Polyoxometalate Platform. <i>European Journal of Inorganic Chemistry</i> , 2014, 2014, 2356-2360.	1.0	22
537	Group 13 metal (Al, Ga, In, Tl) complexes supported by heteroatom-bonded carbene ligands. <i>Coordination Chemistry Reviews</i> , 2014, 275, 63-86.	9.5	91
538	Perimidin-2-ylidene rhodium(I) complexes; unexpected halogen exchange and catalytic activities in transfer hydrogenation reaction. <i>Journal of Organometallic Chemistry</i> , 2014, 765, 23-30.	0.8	20
539	Reactions of [RuCl ₂ (PPh ₃) ₃] with Nitron and with the Enders Carbene Access to Ruthenium(III) NHC Complexes. <i>Organometallics</i> , 2014, 33, 425-428.	1.1	31
540	Transition metal complexes supported by highly basic imidazolin-2-iminato and imidazolin-2-imine N-donor ligands. <i>Coordination Chemistry Reviews</i> , 2014, 260, 116-138.	9.5	181

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541	Synthesis of novel chiral bidentate hydroxyalkyl-N-heterocyclic carbene ligands and their application in palladium-catalyzed Mizoroki-Heck couplings and asymmetric addition of diethylzinc to benzaldehyde. <i>Tetrahedron Letters</i> , 2014, 55, 346-350.	0.7	15
542	σ-Back-Bonding Interaction Depending on the Bridging Chain Lengths of Chelated N-Heterocyclic Carbene Platinum Units in Heterometallic Trinuclear Complexes Affecting Their Electrochemical Property. <i>Inorganic Chemistry</i> , 2014, 53, 661-663.	1.9	9
543	A dibenz[a,c]phenazine-supported N-heterocyclic carbene and its rhodium and iridium complexes. <i>Journal of Organometallic Chemistry</i> , 2014, 749, 134-141.	0.8	19
544	Direct Catalytic Addition of Alkyl nitriles to Aldehydes by Transition-Metal/NHC Complexes. <i>Chemistry - A European Journal</i> , 2014, 20, 15723-15726.	1.7	49
545	Palladium(II) complexes with planar chiral ferrocenyl phosphane-(benz)imidazol-2-ylidene ligands. <i>New Journal of Chemistry</i> , 2014, 38, 338-347.	1.4	39
546	Carbohydrate-based N-heterocyclic carbenes for enantioselective catalysis. <i>Organic and Biomolecular Chemistry</i> , 2014, 12, 9180-9183.	1.5	41
547	Metal-mediated coupling of amino acid esters with isocyanides leading to new chiral acyclic aminocarbene complexes. <i>Dalton Transactions</i> , 2014, 43, 15861-15871.	1.6	17
548	Group 1 and 2 and Early Transition Metal Complexes Bearing N-Heterocyclic Carbene Ligands: Coordination Chemistry, Reactivity, and Applications. <i>Chemical Reviews</i> , 2014, 114, 8747-8774.	23.0	278
549	C ₂ -symmetric functionalized azolium salt from serine ester for Cu-catalyzed asymmetric conjugate addition reaction. <i>Journal of Molecular Catalysis A</i> , 2014, 395, 66-71.	4.8	9
550	Regioselective transformation of alkynes catalyzed by a copper hydride or boryl copper species. <i>Catalysis Science and Technology</i> , 2014, 4, 1699.	2.1	148
551	Copolymerization of cyclohexene oxide with CO ₂ catalyzed by tridentate N-heterocyclic carbene titanium(IV) complexes. <i>Dalton Transactions</i> , 2014, 43, 4242-4246.	1.6	45
552	One-pot synthesis of highly fluorescent polycyclic benzimidazole derivatives. <i>RSC Advances</i> , 2013, 4, 2474-2481.	1.7	19
553	Metal-assisted conversion of an N-ylide mesomeric betaine into its carbenic tautomer: generation of N-(fluoren-9-yl)imidazol-2-ylidene complexes. <i>Dalton Transactions</i> , 2014, 43, 4474-4482.	1.6	24
554	Hydroxyl and ester functionalized N-heterocyclic carbene complexes of iridium(I): efficient catalysts for transfer hydrogenation reactions. <i>RSC Advances</i> , 2014, 4, 26222-26230.	1.7	30
555	Chemoselective Reduction of the Carbonyl Functionality through Hydrosilylation: Integrating Click Catalysis with Hydrosilylation in One Pot. <i>Journal of Organic Chemistry</i> , 2014, 79, 9150-9160.	1.7	51
556	Palladium-ADC complexes as efficient catalysts in copper-free and room temperature Sonogashira coupling. <i>Journal of Molecular Catalysis A</i> , 2014, 395, 162-171.	4.8	50
557	Redox and Luminescent Properties of Robust and Air-Stable N-Heterocyclic Carbene Group 4 Metal Complexes. <i>Inorganic Chemistry</i> , 2014, 53, 7371-7376.	1.9	52
558	Rhodium-NHC Hybrid Silica Materials as Recyclable Catalysts for [2+2+2] Cycloaddition Reactions of Alkynes. <i>European Journal of Organic Chemistry</i> , 2014, 2014, 6242-6251.	1.2	19

#	ARTICLE	IF	CITATIONS
559	Enantioselective Hydrosilylation of Ketones Catalyzed by a Readily Accessible N-Heterocyclic Carbene-Ir Complex at Room Temperature. <i>European Journal of Organic Chemistry</i> , 2014, 2014, 5532-5539.	1.2	23
560	Platinum(II) Complexes with Thioether-Functionalized Benzimidazol-2-ylidene Ligands: Synthesis, Structural Characterization, and Application in Hydroelementation Reactions. <i>Organometallics</i> , 2014, 33, 172-180.	1.1	48
561	Solvent-Dependent Switch of Ligand Donor Ability and Catalytic Activity of Ruthenium(II) Complexes Containing Pyridinylidene Amide (PYA) N-Heterocyclic Carbene Hybrid Ligands. <i>Inorganic Chemistry</i> , 2014, 53, 8054-8060.	1.9	43
562	Guest uptake and heterogeneous catalysis of a porous Pd(II) N-heterocyclic carbene polymer. <i>Journal of Molecular Catalysis A</i> , 2014, 394, 33-39.	4.8	25
563	Modular Synthesis of Helicene-Like Compounds Based on the Imidazolium Motif. <i>European Journal of Organic Chemistry</i> , 2014, 2014, 5681-5685.	1.2	16
564	Mesoionic Triazolylidene Nickel Complexes: Synthesis, Ligand Lability, and Catalytic C-C Bond Formation Activity. <i>Organometallics</i> , 2014, 33, 5834-5844.	1.1	53
565	Tridentate Complexes of Group 10 Bearing Bis-Aryloxy N-Heterocyclic Carbene Ligands: Synthesis, Structural, Spectroscopic, and Computational Characterization. <i>Organometallics</i> , 2014, 33, 4374-4384.	1.1	45
566	Group 4 metal complexes with new chiral pincer NHC-ligands: synthesis, structure and catalytic activity. <i>Dalton Transactions</i> , 2014, 43, 8261-8272.	1.6	44
567	Chiral 1,2-Cyclohexane-Bridged Bis-NHC Palladium Catalysts for Asymmetric Suzuki-Miyaura Coupling: Synthesis, Characterization, and Steric Effects on Enantiocontrol. <i>Organometallics</i> , 2014, 33, 876-884.	1.1	41
568	Modular Synthesis of Functionalisable Alkoxy-Tethered N-Heterocyclic Carbene Ligands and an Active Catalyst for Buchwald-Hartwig Aminations. <i>Advanced Synthesis and Catalysis</i> , 2014, 356, 460-474.	2.1	30
570	NHC Bis-Phenolate Aluminum Chelates: Synthesis, Structure, and Use in Lactide and Trimethylene Carbonate Polymerization. <i>Organometallics</i> , 2014, 33, 5730-5739.	1.1	47
571	Synthesis of pincer-type N-heterocyclic carbene palladium complexes with a hemilabile ligand and their application in cross-coupling catalysis. <i>Journal of Organometallic Chemistry</i> , 2014, 771, 33-39.	0.8	25
572	Chelating alkoxy NHC-Rh(I) complexes and their applications in the arylation of aldehydes. <i>Tetrahedron Letters</i> , 2014, 55, 4129-4132.	0.7	15
573	From The Archives. <i>Brain</i> , 2015, 138, 1759-1763.	3.7	0
574	Tridentate Complexes of Palladium(II) and Platinum(II) Bearing bis-Aryloxy Triazole Ligands: A Joint Experimental and Theoretical Investigation. <i>Chemistry - an Asian Journal</i> , 2015, 10, 2368-2379.	1.7	9
577	Normal-to-Abnormal NHC Rearrangement of Al ^{III} , Ga ^{III} , and In ^{III} Trialkyl Complexes: Scope, Mechanism, Reactivity Studies, and H ₂ Activation. <i>Chemistry - A European Journal</i> , 2015, 21, 17959-17972.	1.7	61
578	Synthesis of BINAM-Based Chiral Di-1,2,3-Triazolylidene Complexes and Application of the Di-NHC Rh ^I Catalyst in Enantioselective Hydrosilylation. <i>European Journal of Inorganic Chemistry</i> , 2015, 2015, 2948-2955.	1.0	30
579	Contribution of heterobifunctional ligands to transition metal-catalysed C-C coupling reactions. <i>Turkish Journal of Chemistry</i> , 2015, 39, 1158-1170.	0.5	4

#	ARTICLE	IF	CITATIONS
580	Imidazol-2-ylidene-N ² -phenylureate ligands in alkali and alkaline earth metal coordination spheres â€” heterocubane core to polymeric structural motif formation. Dalton Transactions, 2015, 44, 7458-7469.	1.6	9
581	Ru ^{II} , Os ^{II} , and Ir ^{III} Complexes with Chelating Pyridylâ€”Mesoionic Carbene Ligands: Structural Characterization and Applications in Transfer Hydrogenation Catalysis. Chemistry - A European Journal, 2015, 21, 6756-6764.	1.7	65
582	Ruâ€”Ag and Ruâ€”Au dicarbene complexes from an abnormal carbene ruthenium system. Dalton Transactions, 2015, 44, 11686-11689.	1.6	31
583	Synthesis and structures of (âˆ—) menthyl and (+) neomenthyl substituted enantio pure bis(1,2,3-triazol-5-ylidene)Pd 2 complexes and PEPPSI type (1,2,3-triazol-5-ylidene) (pyridine)Pd 2 complexes. Comparison of catalytic activities for Câ€”C coupling. Journal of Organometallic Chemistry, 2015, 799-800, 115-121.	0.8	23
584	Synthesis, Isomerization, and Catalytic Transfer Hydrogenation Activity of Rhodium(III) Complexes Containing Both Chelating Dicarbenes and Diphosphine Ligands. Organometallics, 2015, 34, 5723-5733.	1.1	29
585	Selectfluor promoted NHCâ€”oxazoline gold(<i>i</i>) complex catalyzed cycloaddition/oxidation reaction of enynones with alkenes. Organic Chemistry Frontiers, 2015, 2, 1475-1484.	2.3	22
586	Bifunctional Nâ€”Heterocyclic Carbene Ferrocenyl Ligands â€” Synthesis and Palladium(II) Complexes. European Journal of Inorganic Chemistry, 2015, 2015, 609-616.	1.0	5
587	Synthesis, structural studies and ligand influence on the stability of aryl-NHC stabilised trimethylaluminium complexes. Dalton Transactions, 2015, 44, 15166-15174.	1.6	18
588	Mechanistic Insights into Transfer Hydrogenation Catalysis by [Ir(cod)(NHC) ₂] ⁺ Complexes with Functionalized N-Heterocyclic Carbene Ligands. Organometallics, 2015, 34, 926-940.	1.1	41
589	Catalytic Asymmetric Hydroalkenylation of Vinylarenes: Electronic Effects of Substrates and Chiral Nâ€”Heterocyclic Carbene Ligands. Angewandte Chemie - International Edition, 2015, 54, 4512-4516.	7.2	74
590	Ferroceneâ€”Based Planar Chiral Imidazopyridinium Salts for Catalysis. Angewandte Chemie - International Edition, 2015, 54, 4264-4268.	7.2	85
591	Chelated Bis-N-heterocyclic Carbene Platinum and Palladium Units as Tunable Components of Multinuclear Complexes. Inorganic Chemistry, 2015, 54, 448-459.	1.9	10
592	Transition-metal-functionalized ordered mesoporous silicas: an overview of sustainable chiral catalysts for enantioselective transformations. Green Chemistry, 2015, 17, 2100-2122.	4.6	73
593	Stereoselective domino conjugate addition of Grignard reagents to lactones followed by reaction with activated alkenes catalyzed by ferrocenyl carbene ligands. Tetrahedron: Asymmetry, 2015, 26, 271-275.	1.8	13
594	Quantum chemical insight into Câ€”Hâ€”F bonding interactions between noncovalently bonded ion-pairs in N-heterocyclic carbene complexes of gold(I) [(NHC*) ₂ Au] ⁺ [PF ₆] ⁻ and gold(III) [(NHC*) ₂ AuCl ₂] ⁺ [PF ₆] ⁻ . Journal of Organometallic Chemistry, 2015, 795, 34-39.	0.8	2
595	Reversible 1,2-Alkyl Migration to Carbene and Ammonia Activation in an N-Heterocyclic Carbeneâ€”Zirconium Complex. Journal of the American Chemical Society, 2015, 137, 10500-10503.	6.6	25
596	Supramolecular Chirality in Self-Assembled Systems. Chemical Reviews, 2015, 115, 7304-7397.	23.0	1,562
597	Synthesis, structural characterization and inâ€”vitro anti-cancer activity of functionalized N-heterocyclic carbene platinum and palladium complexes. Journal of Organometallic Chemistry, 2015, 794, 115-124.	0.8	42

#	ARTICLE	IF	CITATIONS
598	Novel C ₂ -symmetric six-membered NHCs for asymmetric copper-catalysed conjugate addition of Grignard reagents to 3-methylhexenone. <i>Tetrahedron</i> , 2015, 71, 2858-2862.	1.0	13
599	Synthesis of novel macrocyclic planar chiral carbene-Ag complexes derived from [2.2]paracyclophane for Rh-catalyzed asymmetric 1,2-additions of arylboronic acids to aromatic aldehydes. <i>Tetrahedron: Asymmetry</i> , 2015, 26, 288-295.	1.8	16
600	N-Alkylation and N,C-Dialkylation of Amines with Alcohols in the Presence of Ruthenium Catalysts with Chelating N-Heterocyclic Carbene Ligands. <i>Organometallics</i> , 2015, 34, 2296-2304.	1.1	51
601	Lipase active site covalent anchoring of Rh(NHC) catalysts: towards chemoselective artificial metalloenzymes. <i>Chemical Communications</i> , 2015, 51, 6792-6795.	2.2	26
602	Ruthenium nitrosyl complexes containing pyridine-functionalized carbenes – A theoretical insight. <i>Journal of Organometallic Chemistry</i> , 2015, 799-800, 54-60.	0.8	5
603	N-Heterocyclic carbene ligands bearing poly(ethylene glycol) chains: effect of the chain length on palladium-catalyzed coupling reactions employing aryl chlorides. <i>Chemical Communications</i> , 2015, 51, 17382-17385.	2.2	14
604	Unusual Benzyl Migration Reactivity in NHC-Bearing Group 4 Metal Chelates: Synthesis, Characterization, and Mechanistic Investigations. <i>Organometallics</i> , 2015, 34, 4854-4863.	1.1	25
605	Chiral Carbophilic Gold Lewis Acid Complexes in Enantioselective Catalysis. <i>Topics in Organometallic Chemistry</i> , 2015, , 51-90.	0.7	10
606	Extending N-heterocyclic carbene ligands into the third dimension: a new type of hybrid phosphazane/NHC system. <i>Chemical Science</i> , 2015, 6, 2506-2510.	3.7	27
607	Catalytic asymmetric hydrogenation using a [2.2]paracyclophane based chiral 1,2,3-triazol-5-ylidene-Pd complex under ambient conditions and 1 atmosphere of H ₂ . <i>RSC Advances</i> , 2015, 5, 21558-21561.	1.7	36
608	Ruthenium(II) and iridium(III) complexes featuring NHC-sulfonate chelate. <i>Dalton Transactions</i> , 2015, 44, 17467-17472.	1.6	16
609	Saturated N,X-Heterocyclic Carbenes (X=N, O, S, P, Si, C, and B): Stability, Nucleophilicity, and Basicity. <i>Australian Journal of Chemistry</i> , 2015, 68, 1438.	0.5	24
610	Synthesis of acyclic diaminocarbene palladium complex featuring triethoxysilane moiety. <i>Inorganic Chemistry Communication</i> , 2015, 61, 21-23.	1.8	8
611	Proton-Induced Generation of Remote N-Heterocyclic Carbene-Ru Complexes. <i>Chemistry - A European Journal</i> , 2015, 21, 106-110.	1.7	8
612	Palladium catalyzed asymmetric Suzuki-Miyaura coupling reactions to axially chiral biaryl compounds: Chiral ligands and recent advances. <i>Coordination Chemistry Reviews</i> , 2015, 286, 1-16.	9.5	235
613	Nickel(II) Pincer Carbene Complexes: Oxidative Addition of an Aryl C-H Bond to Form a Ni(II) Hydride. <i>Organometallics</i> , 2015, 34, 399-407.	1.1	48
614	Synthesis of New Chiral Benzimidazolylidene-Rh Complexes and Their Application in Asymmetric Addition Reactions of Organoboronic Acids to Aldehydes. <i>Catalysts</i> , 2016, 6, 132.	1.6	5
615	Enantiopure C ₁ -symmetric N-Heterocyclic Carbene Ligands from Desymmetrized meso-1,2-Diphenylethylenediamine: Application in Ruthenium-Catalyzed Olefin Metathesis. <i>Catalysts</i> , 2016, 6, 177.	1.6	14

#	ARTICLE	IF	CITATIONS
616	New palladium(II) <i>N</i> -heterocyclic carbene complexes containing benzimidazole-2-ylidene ligand derived from menthol: synthesis, characterization and catalytic activities. <i>Applied Organometallic Chemistry</i> , 2016, 30, 268-272.	1.7	18
617	Theoretical insights into the relative bonding of normal and abnormal <i>N</i> -heterocyclic carbenes in $[P(dC)l_2(NHC)R]_2$ and $[P(dC)l_2(NHC)R](aNHC)R]$ (<i>R</i> = H, Ph, Me). <i>International Journal of Quantum Chemistry</i> , 2016, 116, 537-546.	1.0	2
618	Indazolium halides as efficient ligands for Pd-catalyzed Suzuki-Miyaura cross-coupling of aryl bromides with arylboronic acids. <i>Tetrahedron Letters</i> , 2016, 57, 3735-3738.	0.7	9
619	Triptycene-Based Chiral and <i>meso</i> -N-Heterocyclic Carbene Ligands and Metal Complexes. <i>Chemistry - A European Journal</i> , 2016, 22, 9667-9675.	1.7	24
620	An Iridium(I) N-Heterocyclic Carbene Complex Catalyzes Asymmetric Intramolecular Allylic Amination Reactions. <i>Angewandte Chemie - International Edition</i> , 2016, 55, 8113-8116.	7.2	62
621	An Iridium(I) N-Heterocyclic Carbene Complex Catalyzes Asymmetric Intramolecular Allylic Amination Reactions. <i>Angewandte Chemie</i> , 2016, 128, 8245-8248.	1.6	14
622	Carbohydrates as enantioinduction components in stereoselective catalysis. <i>Organic and Biomolecular Chemistry</i> , 2016, 14, 4008-4017.	1.5	30
623	Chiral <i>N</i> -heterocyclic carbene iridium catalyst for the enantioselective hydrosilane reduction of ketones. <i>Journal of Molecular Catalysis A</i> , 2016, 421, 138-145.	4.8	13
624	Controlling Coordination Geometries: Ru Carbene Complexes with Tetra-NHC Ligands. <i>Inorganic Chemistry</i> , 2016, 55, 6010-6017.	1.9	19
625	Deprotonation of $AlMe_6$ by Sterically Bulky NHCs: Scope, Rationale through DFT Studies, and Application in the Methylenation of Carbonyl Substrates. <i>Organometallics</i> , 2016, 35, 1726-1734.	1.1	8
626	Benzimidazol-2-ylidene ligated palladacyclic complexes of <i>N,N</i> -dimethylbenzylamine: Synthesis and application to C-C coupling reactions. <i>Inorganica Chimica Acta</i> , 2016, 449, 38-43.	1.2	8
627	Silver(I) and palladium(II) complexes of new pentamethylene-functionalized bis-imidazolium dication ligands and its application in Heck and Suzuki-Miyaura coupling reaction. <i>Inorganica Chimica Acta</i> , 2016, 449, 1-8.	1.2	12
628	Transition Metal Complexes of an (<i>S,S</i>)-1,2-Diphenylethylamine-Functionalized <i>N</i> -Heterocyclic Carbene: A New Member of the Asymmetric NHC Ligand Family. <i>Organometallics</i> , 2016, 35, 1604-1612.	1.1	24
629	Synthesis of NHC-Oxazoline Pincer Complexes of Rh and Ru and Their Catalytic Activity for Hydrogenation and Conjugate Reduction. <i>Organometallics</i> , 2016, 35, 1885-1894.	1.1	24
630	Chiral linker-bridged bis- <i>N</i> -heterocyclic carbenes: design, synthesis, palladium complexes, and catalytic properties. <i>Dalton Transactions</i> , 2016, 45, 11699-11709.	1.6	16
631	Computational landscape of the formation and nature of bond in the $\epsilon 1 + 1\epsilon$ versus $\epsilon 1 + 2\epsilon$ -nano-sized complexes of some adducts of <i>N</i> -heterocyclic carbenes (NHC) with heavy elements of group II (Ca, Sr). <i>TJ ETQq1 1 Q.384314 1gBT /Over</i>		
632	Enantioselective Direct Alkynylation of Ketones Catalyzed by Chiral CCN Pincer Rh(III) Complexes. <i>Chemistry - A European Journal</i> , 2016, 22, 16801-16804.	1.7	31
633	Enantioselective synthesis of $\hat{L}\pm, \hat{L}\pm$ -disubstituted $\hat{L}\pm$ -amino acids via direct catalytic asymmetric addition of acetonitrile to $\hat{L}\pm$ -iminoesters. <i>Organic and Biomolecular Chemistry</i> , 2016, 14, 9725-9730.	1.5	25

#	ARTICLE	IF	CITATIONS
634	Cyclic (Alkyl)(Amino)Carbene Complexes of Rhodium and Nickel and Their Steric and Electronic Parameters. <i>Chemistry - A European Journal</i> , 2016, 22, 11005-11014.	1.7	66
635	Palladium Complexes Bearing Mesoionic Carbene Ligands: Applications in Arylation, Methylation and Suzuki-Miyaura Coupling Reactions. <i>European Journal of Inorganic Chemistry</i> , 2016, 2016, 111-117.	1.0	46
636	N-Heterocyclic Carbene-based Microporous Organic Polymer Supported Palladium Catalyst for Carbon-Carbon Coupling Reaction. <i>ChemistrySelect</i> , 2016, 1, 1371-1376.	0.7	30
638	Bonding and Catalytic Application of Ruthenium N-Heterocyclic Carbene Complexes Featuring Triazole, Triazolylidene, and Imidazolylidene Ligands. <i>Organometallics</i> , 2016, 35, 2980-2986.	1.1	46
639	Synthesis of a New Chiral C ₂ -Symmetric NHC-AuCl Complex. <i>Heterocycles</i> , 2016, 92, 720.	0.4	9
640	Palladium-catalyzed Asymmetric Allylic Alkylation Using C ₂ -symmetric Chiral Bidentate Bis(N-heterocyclic carbene) Ligands with the Xylylene Framework. <i>Chemistry Letters</i> , 2016, 45, 798-800.	0.7	5
641	Ru ^{II} , Ir ^{III} and Os ^{II} mesoionic carbene complexes: efficient catalysts for transfer hydrogenation of selected functionalities. <i>Dalton Transactions</i> , 2016, 45, 15983-15993.	1.6	50
642	Preparation and Isolation of a Chiral Methandiide and Its Application as Cooperative Ligand in Bond Activation. <i>Chemistry - A European Journal</i> , 2016, 22, 506-510.	1.7	22
643	Selective Formation of cis-N-Heterocyclic Carbene-PtII-Pnictogen Complexes and in vitro Evaluation of Their Cytotoxic Activities toward Cancer Cells. <i>European Journal of Inorganic Chemistry</i> , 2016, 2016, 2828-2836.	1.0	20
644	Synthesis of new benzimidazolium salts and their application in the asymmetric arylation of aldehydes. <i>Tetrahedron Letters</i> , 2016, 57, 3152-3155.	0.7	15
645	Electronic and chiroptical properties of chiral cycloiridiated complexes bearing helicenic NHC ligands. <i>Chemical Communications</i> , 2016, 52, 9243-9246.	2.2	30
646	Transformation of NHC-BEt ₃ into AgCl·NHC: Efficiently preparative method for early-late heterobimetallic complexes using indenyl-functionalized N-heterocyclic carbene as a bridging ligand. <i>Inorganica Chimica Acta</i> , 2016, 448, 1-6.	1.2	8
647	Facile Synthesis of Chiral Benzimidazolium Salts and the Application in Asymmetric Catalytic Borylation. <i>Heterocycles</i> , 2016, 92, 944.	0.4	6
648	Enantioselectivity switch in copper-catalyzed conjugate addition reactions under the influence of a chiral N-heterocyclic carbene-silver complex. <i>RSC Advances</i> , 2016, 6, 7755-7759.	1.7	14
649	Cyclopentadienyl nickel(II) N,C-chelating benzothiazolyl NHC complexes: synthesis, characterization and application in catalytic C-C bond formation reactions. <i>Dalton Transactions</i> , 2016, 45, 7312-7319.	1.6	15
650	Nature of the metal-ligand bond in some [(CO) ₄ M(η ⁵ -BIIM(R)) ₂] {M = Cr, Mo, W; R = H, F, Cl, Br} complexes: A theoretical study. <i>Polyhedron</i> , 2016, 110, 46-54.	1.0	25
651	Research on the design, synthesis, and catalytic activity of chiral N-heterocyclic carbene ligand-metal complexes. <i>Tetrahedron: Asymmetry</i> , 2016, 27, 107-113.	1.8	14
652	Anionic N-heterocyclic carbenes: Synthesis, coordination chemistry and applications in homogeneous catalysis. <i>Coordination Chemistry Reviews</i> , 2016, 316, 68-124.	9.5	189

#	ARTICLE	IF	CITATIONS
653	Controlled Flexible Coordination in Tripodal Iron(II) Phosphane Complexes: Effects on Reactivity. <i>Inorganic Chemistry</i> , 2016, 55, 1183-1191.	1.9	19
654	Pd ^{II} -mediated integration of isocyanides and azide ions might proceed via formal 1,3-dipolar cycloaddition between RNC ligands and uncomplexed azide. <i>New Journal of Chemistry</i> , 2016, 40, 521-527.	1.4	16
655	Synthesis of axially chiral biaryl compounds by asymmetric catalytic reactions with transition metals. <i>Coordination Chemistry Reviews</i> , 2016, 308, 131-190.	9.5	266
656	Organonickel complexes encumbering bis-imidazolylidene carbene ligands: Synthesis, X-ray structure and catalytic insights on Buchwald-Hartwig amination reactions. <i>Journal of Organometallic Chemistry</i> , 2017, 831, 1-10.	0.8	19
657	Ruthenium ^{II} -NHC ^{II} -Diamine Catalyzed Enantioselective Hydrogenation of Isocoumarins. <i>Journal of the American Chemical Society</i> , 2017, 139, 2585-2588.	6.6	54
658	Chrysin functionalized NHC ^{II} -Au(I) complexes: synthesis, characterization and effects on the nematode <i>Caenorhabditis elegans</i> . <i>New Journal of Chemistry</i> , 2017, 41, 2013-2019.	1.4	11
659	Immobilization of N-Heterocyclic Carbene Compounds: A Synthetic Perspective. <i>Chemical Reviews</i> , 2017, 117, 1970-2058.	23.0	212
660	N-Heterocyclic Carbene Based Triorganylzinc Alkyl Cations: Synthesis, Structures, and Use in CO ₂ Functionalization. <i>Chemistry - A European Journal</i> , 2017, 23, 5509-5519.	1.7	43
661	On the Mechanism of the Oxidative Cleavage of N-Heterocyclic Carbene ^{II} -Palladium Bonds with Iodine. <i>European Journal of Inorganic Chemistry</i> , 2017, 2017, 2058-2067.	1.0	10
662	Convenient synthetic access to fluorescent rhodacyclopentadienes via ligand exchange reactions. <i>Journal of Organometallic Chemistry</i> , 2017, 847, 184-192.	0.8	7
664	Hg(II) and Pd(II) complexes with a new selenoether bridged biscarbene ligand: efficient mono- and bis-arylation of methyl acrylate with a pincer biscarbene Pd(II) precatalyst. <i>Dalton Transactions</i> , 2017, 46, 6291-6302.	1.6	16
665	Synthesis, Structure and Antitumoural Activity of Triazole ^{II} -Functionalised NHC ^{II} -Metal Complexes. <i>European Journal of Inorganic Chemistry</i> , 2017, 2017, 2488-2495.	1.0	20
666	Novel and highly efficient synthesis of 3-(alkyl/benzylthio)-9b-hydroxy-1H-imidazo[5,1-a]isoindole-1,5(9bH)-dione derivatives. <i>Tetrahedron Letters</i> , 2017, 58, 78-81.	0.7	7
667	What Wanzlick Did Not Dare To Dream: Cyclic (Alkyl)(amino)carbenes (cAACs) as New Key Players in Transition ^{II} -Metal Chemistry. <i>European Journal of Inorganic Chemistry</i> , 2017, 2017, 3362-3375.	1.0	128
668	Dealing at Arm's Length: Catalysis with N-Heterocyclic Carbene Ligands Bearing Anionic Tethers. <i>European Journal of Organic Chemistry</i> , 2017, 2017, 4206-4229.	1.2	27
669	Covalently Modified Graphenes in Catalysis, Electrocatalysis and Photoresponsive Materials. <i>Chemistry - A European Journal</i> , 2017, 23, 15244-15275.	1.7	39
670	Enantiopure Cycloiridiated Complexes Bearing a Pentahelicenic N-Heterocyclic Carbene and Displaying Long ^{II} -Lived Circularly Polarized Phosphorescence. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 8236-8239.	7.2	143
671	Coordination behavior of bis-phenolate saturated and unsaturated N-heterocyclic carbene ligands to zirconium: reactivity and activity in the copolymerization of cyclohexene oxide with CO ₂ . <i>Dalton Transactions</i> , 2017, 46, 8065-8076.	1.6	23

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672	Enantiopure Cycloirradiated Complexes Bearing a Pentahelicenic N-Heterocyclic Carbene and Displaying Long-Lived Circularly Polarized Phosphorescence. <i>Angewandte Chemie</i> , 2017, 129, 8348-8351.	1.6	42
673	β -Bisaryl Substituted Chiral Linker-Bridged Bis-N-Heterocyclic Carbene) Palladium Complexes: Design, Synthesis, and Catalytic Properties. <i>Organometallics</i> , 2017, 36, 1372-1382.	1.1	13
674	Synthesis and Reactivity of Cyclic (Alkyl)(Amino)Carbene Stabilized Nickel Carbonyl Complexes. <i>Organometallics</i> , 2017, 36, 1398-1407.	1.1	34
675	Multidentate N-heterocyclic carbene complexes of the 3d metals: Synthesis, structure, reactivity and catalysis. <i>Coordination Chemistry Reviews</i> , 2017, 341, 53-176.	9.5	128
676	Chiral benzimidazoles and their applications in stereodiscrimination processes. <i>Tetrahedron: Asymmetry</i> , 2017, 28, 1233-1289.	1.8	21
677	Grand Canonical Quantum Mechanical Study of the Effect of the Electrode Potential on N-Heterocyclic Carbene Adsorption on Au Surfaces. <i>Journal of Physical Chemistry C</i> , 2017, 121, 24618-24625.	1.5	12
678	Synthesis, characterization and catalytic activity of nickel NHC complexes. <i>Molecular Catalysis</i> , 2017, 440, 25-35.	1.0	9
679	Half-Sandwich Ruthenium Catalyst Bearing an Enantiopure Primary Amine Tethered to an N-Heterocyclic Carbene for Ketone Hydrogenation. <i>ACS Catalysis</i> , 2017, 7, 6827-6842.	5.5	26
680	Axially chiral benzimidazolium based silver(I) and gold(I) bis-NHC complexes of R-BINOL scaffold: synthesis, characterization and DFT studies. <i>Journal of Chemical Sciences</i> , 2017, 129, 1491-1498.	0.7	0
681	Parameterization of Acyclic Diaminocarbene Ligands Applied to a Gold(I)-Catalyzed Enantioselective Tandem Rearrangement/Cyclization. <i>Journal of the American Chemical Society</i> , 2017, 139, 12943-12946.	6.6	82
682	Synthesis of N-heterocyclic carbene boranes via silver N-heterocyclic carbene complexes. <i>Polyhedron</i> , 2017, 137, 296-305.	1.0	3
683	Structural Characterization of Tridentate N-Heterocyclic Carbene Titanium(IV) Benzyloxy, Silyloxy, Acetate, and Azide Complexes and Assessment of Their Efficacies for Catalyzing the Copolymerization of Cyclohexene Oxide with CO ₂ . <i>Organometallics</i> , 2017, 36, 4477-4489.	1.1	21
684	Privileged chiral N-heterocyclic carbene ligands for asymmetric transition-metal catalysis. <i>Chemical Society Reviews</i> , 2017, 46, 4845-4854.	18.7	342
685	Palladium(II) Acetylide Complexes with Pincer-Type Ligands: Photophysical Properties, Intermolecular Interactions, and Photo-cytotoxicity. <i>Chemistry - an Asian Journal</i> , 2017, 12, 145-158.	1.7	29
686	Heterometallic Complexes with Redox-Active Mesoionic Carbenes: Control of Donor Properties and Redox-Induced Catalysis. <i>Chemistry - A European Journal</i> , 2017, 23, 576-585.	1.7	89
687	Low-temperature equilibria in solutions of isocyanide-phosphine complexes of palladium(II) chloride. <i>Russian Journal of General Chemistry</i> , 2017, 87, 2605-2611.	0.3	5
688	Synthesis of an ortho-Methyl-N,N'-bis(triptyceny) N-Heterocyclic Carbene Ligand and Its Metal Complexes. <i>European Journal of Inorganic Chemistry</i> , 2017, 2017, 3779-3786.	1.0	7
689	Expanding the Scope of Cu(I) Catalyzed "Click Chemistry" with Abnormal NHCs: Three-Fold Click to Tris-Triazoles. <i>Catalysts</i> , 2017, 7, 262.	1.6	16

#	ARTICLE	IF	CITATIONS
690	Steric factors on unsymmetrical O -hydroxyaryl N -Heterocyclic carbene ligands prevailing the stabilization of single stereoisomer of bis-ligated titanium complexes. <i>Journal of Organometallic Chemistry</i> , 2018, 860, 106-116.	0.8	8
691	Neutral Binuclear Ag(I) and Au(I) N-Heterocyclic Carbene Complexes of Axially Chiral and Racemic Scaffolds: Synthesis and Characterization. <i>ChemistrySelect</i> , 2018, 3, 4023-4026.	0.7	3
692	Recent Advances in Supramolecular Gels and Catalysis. <i>Chemistry - an Asian Journal</i> , 2018, 13, 712-729.	1.7	112
693	Iridium and Rhodium Complexes Containing Enantiopure Primary Amine-Tethered N-Heterocyclic Carbenes: Synthesis, Characterization, Reactivity, and Catalytic Asymmetric Hydrogenation of Ketones. <i>Organometallics</i> , 2018, 37, 491-504.	1.1	22
694	Chirality in metal-based anticancer agents. <i>Dalton Transactions</i> , 2018, 47, 4017-4026.	1.6	43
695	Synthesis and reactivity of [M(η^3 -allyl)(η^2 -amidinato)(CO) ₂ (phosphonium ylide)] (M = Mo, W): Investigation of the ligand properties of phosphonium ylides. <i>Inorganica Chimica Acta</i> , 2018, 471, 310-315.	1.2	2
696	Copper-Catalyzed Enantioselective Markovnikov Protoboration of Olefins Enabled by a Buttressed N-Heterocyclic Carbene Ligand. <i>Angewandte Chemie</i> , 2018, 130, 1390-1394.	1.6	36
697	Pentacoordinated Rhodium(I) Complexes Supported by Coumarin-Functionalized N-Heterocyclic Carbene Ligands. <i>Organometallics</i> , 2018, 37, 191-202.	1.1	26
698	Investigation of potential hybrid capacitor property of chelated N-Heterocyclic carbene Ruthenium(II) complex. <i>Journal of Organometallic Chemistry</i> , 2018, 866, 214-222.	0.8	14
699	Nickel-Catalyzed Enantioselective Pyridone C-H Functionalizations Enabled by a Bulky N-Heterocyclic Carbene Ligand. <i>Journal of the American Chemical Society</i> , 2018, 140, 4489-4493.	6.6	140
700	Copper-Catalyzed Enantioselective Markovnikov Protoboration of Olefins Enabled by a Buttressed N-Heterocyclic Carbene Ligand. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 1376-1380.	7.2	129
701	Enantioselective Hydrogenation of Imidazo[1,2-a]pyridines. <i>Chemistry - A European Journal</i> , 2018, 24, 356-359.	1.7	32
702	New C ₂ -symmetric six-membered carbene ligands for asymmetric diethylzinc addition of arylaldehydes. <i>Arkivoc</i> , 2018, 2018, 1-10.	0.3	1
703	Iridium/N-Heterocyclic Carbene Complex-Catalyzed Intermolecular Allylic Alkylation Reaction. <i>Organometallics</i> , 2018, 37, 4763-4772.	1.1	11
704	C ₂ -Symmetric Hindered π -Sandwich-Chiral N-Heterocyclic Carbene Precursors and Their Transition Metal Complexes: Expedient Syntheses, Structural Authentication, and Catalytic Properties. <i>Organometallics</i> , 2018, 37, 3756-3769.	1.1	11
705	Asymmetric Hydrogenation of Bis(quinolin-2-yl)methanes: A Direct Access to Chiral 1,3-Diamines. <i>Chinese Journal of Chemistry</i> , 2018, 36, 1169-1173.	2.6	14
706	Enantioselective catalytic hydrosilylation of propiophenone with a simple combination of a cationic iridium complex and a chiral azolium salt. <i>Journal of Organometallic Chemistry</i> , 2018, 875, 52-58.	0.8	10
707	Chiral multifunctional molecules based on organometallic helices: Recent advances. <i>Coordination Chemistry Reviews</i> , 2018, 376, 533-547.	9.5	83

#	ARTICLE	IF	CITATIONS
708	Abnormal Addition of NHC to a Conjugate Acid of CAAC: Formation of Alkyl-Substituted CAAC. <i>Chemistry - A European Journal</i> , 2018, 24, 12722-12727.	1.7	10
709	Enantioselective synthesis of 2-oxazolidinones by ruthenium(NHC-catalysed asymmetric hydrogenation of 2-oxazolones. <i>Chemical Science</i> , 2018, 9, 6260-6263.	3.7	24
710	Issues Particular to Organometallic Reactions. , 2018, , 519-539.		0
711	Palladium-N-Heterocyclic Carbene (NHC)-Catalyzed Asymmetric [3 + 2] Cycloaddition Reaction of Vinyl Epoxides with Allenic Amides. <i>Organic Letters</i> , 2018, 20, 4773-4776.	2.4	45
712	Synthesis of New C2-Symmetric Six-Membered NHCs and Their Application for the Asymmetric Diethylzinc Addition of Arylaldehydes. <i>Catalysts</i> , 2018, 8, 46.	1.6	1
713	Synthesis of 1,2-Dihydroquinazolines via Rearrangement of Indazolium Salts. <i>Journal of Organic Chemistry</i> , 2018, 83, 8750-8758.	1.7	7
714	Chelating Bis(N-Heterocyclic Carbene) Palladium-Catalyzed Reactions. <i>Chemistry - an Asian Journal</i> , 2018, 13, 2257-2276.	1.7	36
715	Synthesis and Characterization of Neutral and Cationic Magnesium Complexes Supported by NHC Ligands. <i>Organometallics</i> , 2019, 38, 2748-2757.	1.1	12
716	Intramolecular Ring-Expansion Reaction (RER) and Intermolecular Coordination of In Situ Generated Cyclic (Amino)(aryl)carbenes (CAACs). <i>Chemistry - A European Journal</i> , 2019, 25, 11365-11374.	1.7	20
717	Synthesis and structural characterization of benzyl-functionalized N-heterocyclic carbene platinum complexes: Dramatic substituent effect on anti-cancer activity. <i>Journal of Organometallic Chemistry</i> , 2019, 899, 120908.	0.8	6
718	N-Heterocyclic Carbene-Platinum Complexes Featuring an Anthracenyl Moiety: Anti-Cancer Activity and DNA Interaction. <i>International Journal of Molecular Sciences</i> , 2019, 20, 4198.	1.8	17
719	($\Delta\pm$)-trans-1,2-Cyclohexanediamine-Based Bis(NHC) Ligand for Cu-Catalyzed Asymmetric Conjugate Addition Reaction. <i>Catalysts</i> , 2019, 9, 780.	1.6	6
720	Computational insight into the mechanism and origins of high selectivities in the acylation of polyamines with 5-benzoyl-5-phenyl-1,5-dihydro-4H-pyrazol-4-one. <i>Organic and Biomolecular Chemistry</i> , 2019, 17, 140-150.	1.5	1
721	Chiral N-heterocyclic carbene ligands with additional chelating group(s) applied to homogeneous metal-mediated asymmetric catalysis. <i>Coordination Chemistry Reviews</i> , 2019, 394, 65-103.	9.5	43
722	Cyclic(Alkyl)(Amino)Carbene (CAAC)-Supported Zn Alkyls: Synthesis, Structure and Reactivity in Hydrosilylation Catalysis. <i>Chemistry - A European Journal</i> , 2019, 25, 8061-8069.	1.7	28
723	Regio- and Enantioselective C-H Cyclization of Pyridines with Alkenes Enabled by a Nickel/N-Heterocyclic Carbene Catalysis. <i>Journal of the American Chemical Society</i> , 2019, 141, 5628-5634.	6.6	139
724	Synthesis and study of Au-indolizine derivatives: turn-on luminescence by photo-induced controlled release. <i>Chemical Communications</i> , 2019, 55, 4471-4474.	2.2	4
725	An Enantiopure Cyclometallated Iridium Complex Displaying Long-Lived Phosphorescence both in Solution and in the Solid State. <i>Helvetica Chimica Acta</i> , 2019, 102, e1900044.	1.0	30

#	ARTICLE	IF	CITATIONS
726	Acceptorless dehydrogenative construction of C≡N and C≡C bonds through catalytic aza-Wittig and Wittig reactions in the presence of an air-stable ruthenium pincer complex. Dalton Transactions, 2019, 48, 6501-6512.	1.6	25
727	2-Unsubstituted Imidazole N-Oxides as Novel Precursors of Chiral 3-Alkoxyimidazol-2-ylidenes Derived from trans-1,2-Diaminocyclohexane and Other Chiral Amino Compounds. Molecules, 2019, 24, 4398.	1.7	9
728	Using alcohols as simple H ₂ -equivalents for copper-catalysed transfer semihydrogenations of alkynes. Chemical Communications, 2019, 55, 13410-13413.	2.2	26
729	Development of Chiral C ₂ -Symmetric N-Heterocyclic Carbene Rh(I) Catalysts through Control of Their Steric Properties. Organometallics, 2019, 38, 536-543.	1.1	6
730	Cationic versus anionic Pt complex: The performance analysis of a hybrid-capacitor, DFT calculation and electrochemical properties. Polyhedron, 2019, 157, 434-441.	1.0	8
731	Nickel/N-Heterocyclic Carbene Complex-Catalyzed Enantioselective Redox-Neutral Coupling of Benzyl Alcohols and Alkynes to Allylic Alcohols. ACS Catalysis, 2019, 9, 1-6.	5.5	72
732	Coinage Metal Complexes of Chiral N-Heterocyclic Carbene Ligands: Syntheses and Applications in Asymmetric Catalysis. Advanced Synthesis and Catalysis, 2020, 362, 970-997.	2.1	45
733	N-Heterocyclic Carbene Platinum Complexes: A Big Step Forward for Effective Antitumor Compounds. European Journal of Inorganic Chemistry, 2020, 2020, 10-20.	1.0	46
734	Cycloamination strategies for renewable N-heterocycles. Green Chemistry, 2020, 22, 582-611.	4.6	100
735	Recent Progress in Asymmetric Relay Catalysis of Metal Complex with Chiral Phosphoric Acid. Topics in Current Chemistry, 2020, 378, 9.	3.0	54
736	Nickel/NHC-Catalyzed Enantioselective Cyclization of Pyridones and Pyrimidones with Tethered Alkenes. Advanced Synthesis and Catalysis, 2020, 362, 1125-1130.	2.1	45
737	Direct Asymmetric Hydrogenation and Dynamic Kinetic Resolution of Aryl Ketones Catalyzed by an Iridium-NHC Exhibiting High Enantio- and Diastereoselectivity. Chemistry - A European Journal, 2020, 26, 2333-2337.	1.7	12
738	Chiral N-Heterocyclic Carbene Ligands Enable Asymmetric C-H Bond Functionalization. Angewandte Chemie - International Edition, 2020, 59, 10242-10251.	7.2	49
739	Reactivity of Aluminum Complexes of Redox-Active Ligand toward N-Heterocyclic Carbene and Its Thione. Organometallics, 2020, 39, 66-73.	1.1	9
740	Chiral N-Heterocyclic Carbene Ligands Enable Asymmetric C-H Bond Functionalization. Angewandte Chemie, 2020, 132, 10326-10335.	1.6	12
741	Synthesis of heterocyclic compounds through nucleophilic phosphine catalysis. Chemical Communications, 2020, 56, 15235-15281.	2.2	80
743	A Novel Bisoxazoline-Imidazolium Salt in Ytterbium-Catalyzed Asymmetric Reduction of Ketone. European Journal of Organic Chemistry, 2020, 2020, 5025-5028.	1.2	0
744	Phosphorescent <i>tr</i> -bidentate Ir ^{III} Complexes with N-Heterocyclic Carbene Scaffolds: Structural Diversity and Optical Properties. European Journal of Inorganic Chemistry, 2020, 2020, 3427-3442.	1.0	39

#	ARTICLE	IF	CITATIONS
745	Recent progress on NHC-stabilized early transition metal (group 3â€“7) complexes: Synthesis and applications. <i>Coordination Chemistry Reviews</i> , 2020, 422, 213411.	9.5	52
746	Modular Synthesis of Chiral NHC Precursors and Their Silver and Gold Complexes. <i>Organometallics</i> , 2020, 39, 3572-3589.	1.1	4
747	Reaction of hydroxyamide-functionalized azolium salt with Ag ₂ O: Three different transformations. <i>Journal of Organometallic Chemistry</i> , 2020, 929, 121556.	0.8	0
748	Synthesis of ferrocenyl imidazolium salts and their novel PEPPSI-type N-heterocyclic carbene (NHC) palladium complexes. <i>Inorganica Chimica Acta</i> , 2020, 511, 119792.	1.2	1
749	Fluorinated N-Heterocyclic carbene complexes. Applications in catalysis. <i>Journal of Organometallic Chemistry</i> , 2020, 921, 121364.	0.8	27
750	Mechanically Interlocked Catalysts for Asymmetric Synthesis. <i>ACS Catalysis</i> , 2020, 10, 7719-7733.	5.5	66
751	Design of Ru(II)-NHC-Diamine Precatalysts Directed by Ligand Cooperation: Applications and Mechanistic Investigations for Asymmetric Hydrogenation. <i>Journal of the American Chemical Society</i> , 2020, 142, 7100-7107.	6.6	53
752	Longâ€“Lived Circularly Polarized Phosphorescence in Heliceneâ€“NHC Rhenium(I) Complexes: The Influence of Helicene, Halogen, and Stereochemistry on Emission Properties. <i>Angewandte Chemie</i> , 2020, 132, 8472-8478.	1.6	22
753	Longâ€“Lived Circularly Polarized Phosphorescence in Heliceneâ€“NHC Rhenium(I) Complexes: The Influence of Helicene, Halogen, and Stereochemistry on Emission Properties. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 8394-8400.	7.2	64
754	Recent advances in annellated NHCs and their metal complexes. <i>Coordination Chemistry Reviews</i> , 2020, 422, 213334.	9.5	43
755	Phosphorescent Cationic Heterodinuclear Ir ^{III} /M ^I Complexes (M=Cu ^I , Au ^I) with a Hybrid Janusâ€“Type Nâ€“Heterocyclic Carbene Bridge. <i>Chemistry - A European Journal</i> , 2020, 26, 11751-11766.	1.7	4
756	Sterically Demanding Ag ^I and Cu ^I Nâ€“Heterocyclic Carbene Complexes: Synthesis, Structures, Steric Parameters, and Catalytic Activity. <i>Chemistry - A European Journal</i> , 2020, 26, 5530-5540.	1.7	17
757	C S cross-coupling catalyzed by a series of easily accessible, well defined Ni(II) complexes of the type [(NHC)Ni(Cp)(Br)]. <i>Journal of Catalysis</i> , 2020, 383, 193-198.	3.1	13
758	Chiral Imidazo[1,5- <i>i</i>]pyridineâ€“Oxazolines: A Versatile Family of NHC Ligands for the Highly Enantioselective Hydrosilylation of Ketones. <i>Organometallics</i> , 2020, 39, 247-257.	1.1	17
759	Functionalised Nâ€“Heterocyclic Carbene Ligands in Bimetallic Architectures. <i>Chemistry - A European Journal</i> , 2020, 26, 5927-5941.	1.7	32
760	Palladium Complexes Bearing Chiral bis(NHC) Chelating Ligands on a Spiro Scaffold: Synthesis, Characterization, and Their Application in the Oxidative Kinetic Resolution of Secondary Alcohols. <i>Organometallics</i> , 2020, 39, 605-613.	1.1	6
761	N-Heterocyclic Carbene Complexes in Câ€“H Activation Reactions. <i>Chemical Reviews</i> , 2020, 120, 1981-2048.	23.0	429
762	N-Heterocyclic Carbene Platinum Complexes: A Big Step Forward for Effective Antitumor Compounds. <i>European Journal of Inorganic Chemistry</i> , 2020, 2020, 2-2.	1.0	0

#	ARTICLE	IF	CITATIONS
763	Recent advances in soluble ruthenium(0) nanocatalysts and their reactivity. <i>Applied Catalysis A: General</i> , 2020, 598, 117561.	2.2	4
764	Development of Quinoline-Derived Chiral Diaminocarbene Ligands and Their Transition Metal Complexes: Synthesis, Structural Characterization, and Catalytic Properties. <i>Organometallics</i> , 2020, 39, 1945-1960.	1.1	4
765	Pseudo-enantiomeric carbohydrate-based N-heterocyclic carbenes as promising chiral ligands for enantiotopic discrimination. <i>Organic and Biomolecular Chemistry</i> , 2020, 18, 3012-3016.	1.5	7
766	Synthesis and Characterization of N-Heterocyclic Carbene Dithiocarbamate Platinum Complexes with Antitumoral Activity. <i>European Journal of Inorganic Chemistry</i> , 2020, 2020, 2552-2557.	1.0	13
767	Fine Tuning of Chiral Bis(N-heterocyclic carbene) Palladium Catalysts for Asymmetric Suzuki-Miyaura Cross-Coupling Reactions: Exploring the Ligand Modification. <i>Organometallics</i> , 2020, 39, 1269-1280.	1.1	7
768	Novel synthesis of divergent aryl imidazoles from ketones involving copper-catalyzed α -amination and oxidative C-C bond cleavage. <i>RSC Advances</i> , 2020, 10, 13815-13819.	1.7	8
769	A rigid anionic Janus bis(NHC) - new opportunities in NHC chemistry. <i>Dalton Transactions</i> , 2021, 50, 689-695.	1.6	5
770	Organometallic Chemistry of NHCs and Analogues. , 2021, , .		0
771	Main Avenues in Gold Coordination Chemistry. <i>Chemical Reviews</i> , 2021, 121, 8311-8363.	23.0	99
772	Ir ^{III} -Pyridoannulated N-Heterocyclic Carbene Complexes: Potent Theranostic Agents via Mitochondria Targeting. <i>European Journal of Inorganic Chemistry</i> , 2021, 2021, 1551-1564.	1.0	3
773	Cationic rhenium(III) complexes bearing a σ -accepting pyridoannulated N-heterocyclic carbene ligand: Synthesis, photophysical, electrochemical and theoretical investigation. <i>Polyhedron</i> , 2021, 197, 115025.	1.0	3
774	Multicomponent Synthesis of Unsymmetrical 4,5-Disubstituted Imidazolium Salts as N-Heterocyclic Carbene Precursors: Applications in Palladium-Catalyzed Cross-Coupling Reactions. <i>Journal of Organic Chemistry</i> , 2021, 86, 6278-6288.	1.7	5
775	Complexes of Dichlorogermylene with Phosphine/Sulfoxide-Supported Carbene as Ligand. <i>Molecules</i> , 2021, 26, 2005.	1.7	2
776	Design of Iridium N-Heterocyclic Carbene Amino Acid Catalysts for Asymmetric Transfer Hydrogenation of Aryl Ketones. <i>Catalysts</i> , 2021, 11, 671.	1.6	3
777	Bis(phenolate)-functionalized N-heterocyclic carbene complexes of oxo- and imido-vanadium(V). <i>Inorganica Chimica Acta</i> , 2021, 521, 120301.	1.2	7
778	Reversal of Enantioselectivity in the Conjugate Addition Reaction of Cyclic Enones with the CuOTf/Azolium Catalytic System. <i>Molecules</i> , 2021, 26, 3404.	1.7	1
779	Helically Chiral NHC-Gold(I) Complexes: Synthesis, Chiroptical Properties and Electronic Features of the [5]Helicene-imidazolylidene Ligand. <i>European Journal of Organic Chemistry</i> , 2021, 2021, 4769-4776.	1.2	9
780	Efficient stereoselective synthesis of chiral 3,3'-dimethyl-(2,2'-bipyridine)-diol ligand and applications in Fe ^{II} -catalysis. <i>Organic Chemistry Frontiers</i> , 2021, 8, 2242-2249.	2.3	4

#	ARTICLE	IF	CITATIONS
781	Triskelion-shaped iridium-helicene NHC complex. <i>Inorganic Chemistry Frontiers</i> , 2021, 8, 3916-3925.	3.0	13
783	Inversions in asymmetric conjugate addition reaction of cyclic enones catalyzed by the Cu/NHC-AgX system: Factors affecting the stereoselective formation of both enantiomers. <i>Journal of Organometallic Chemistry</i> , 2017, 846, 407-416.	0.8	10
784	1-Ferrocenylmethyl-1H-imidazole. <i>Acta Crystallographica Section E: Structure Reports Online</i> , 2008, 64, m1451-m1451.	0.2	4
785	PREPARATION OF A NON-SYMMETRICAL IMIDAZOLIUM SALT: 1-ADAMANTYL-3-MESITYL-4,5-DIMETHYLIMIDAZOLIUM TETRAFLUOROBORATE. <i>Organic Syntheses</i> , 2008, 85, 34.	1.0	10
786	Novel Synthesis of 3-Phenyl-chromen-4-ones Using N-Heterocyclic Carbene as Organocatalyst: An Efficient Domino Catalysis Type Approach. <i>Bulletin of the Korean Chemical Society</i> , 2013, 34, 1070-1076.	1.0	7
787	New Design of Periphery-Functionalized Ligands and Their Application in Transition-Metal-Catalyzed Reactions. <i>Yuki Gosei Kagaku Kyokaishi/Journal of Synthetic Organic Chemistry</i> , 2012, 70, 928-936.	0.0	2
788	Chiral Azolium Salts for Cu-catalyzed Asymmetric Conjugate Addition Reactions. <i>Yuki Gosei Kagaku Kyokaishi/Journal of Synthetic Organic Chemistry</i> , 2013, 71, 319-329.	0.0	5
789	Olefin Metathesis With Ruthenium-Arene Catalysts Bearing N-Heterocyclic Carbene Ligands. <i>NATO Science Series Series II, Mathematics, Physics and Chemistry</i> , 2007, , 237-250.	0.1	1
791	Development of Catalytic Asymmetric Reactions Based on Conformational Control. <i>Yuki Gosei Kagaku Kyokaishi/Journal of Synthetic Organic Chemistry</i> , 2014, 72, 405-417.	0.0	0
792	Modular Synthesis of New Bicyclic Carbene Precursors. <i>Letters in Organic Chemistry</i> , 2019, 16, 951-954.	0.2	0
793	N-Heterocyclic Carbene (NHC) Complexes of Rhodium and Iridium. , 2021, , .		0
794	Enantioselective Formal [4 + 3] Annulations to Access Benzodiazepinones and Benzoxazepinones via NHC/Ir/Urea Catalysis. <i>ACS Catalysis</i> , 2021, 11, 14388-14394.	5.5	22
795	Designing successful monodentate N-heterocyclic carbene ligands for asymmetric metal catalysis. <i>Dalton Transactions</i> , 2021, 50, 17467-17477.	1.6	12
796	Selenourea and thiourea derivatives of chiral and achiral enetetramines: Synthesis, characterization and enzyme inhibitory properties. <i>Bioorganic Chemistry</i> , 2022, 120, 105566.	2.0	26
797	Half-Sandwich Ruthenium Complexes Bearing Hemilabile β -Thioether-Functionalized NHC Ligands: Application to Amide Synthesis from Alcohol and Amine. <i>European Journal of Inorganic Chemistry</i> , 2022, 2022, .	1.0	8
798	Asymmetric Twisting of C -Centered Octahedral Gold(I) Clusters by Chiral N -Heterocyclic Carbene Ligation. <i>Journal of the American Chemical Society</i> , 2022, 144, 2156-2163.	6.6	30
799	Nonclassical carbenes as noninnocent ligands. , 2022, , .		0
800	Cobalt-N-Heterocyclic Carbene Complexes in Catalysis. <i>ACS Catalysis</i> , 2022, 12, 3111-3137.	5.5	33

#	ARTICLE	IF	CITATIONS
801	Synthesis and Vibrational Circular Dichroism Analysis of N-Heterocyclic Carbene Precursors Containing Remote Chirality Centers. <i>International Journal of Molecular Sciences</i> , 2022, 23, 3471.	1.8	4
802	Determining the Three-Dimensional Structures of Silica-Supported Metal Complexes from the Ground Up. <i>Inorganic Chemistry</i> , 2022, 61, 1067-1078.	1.9	8
803	Asymmetric silane reduction of ketones and β -Keto esters catalyzed by a chiral azolium/iridium system in the presence of a base in methanol at room temperature. <i>Results in Chemistry</i> , 2022, 4, 100364.	0.9	3
804	Reactivity of Diamines in Acyclic Diamino Carbene Gold Complexes. <i>Inorganic Chemistry</i> , 2022, 61, 7448-7458.	1.9	0
805	Palladium, iridium, and rhodium complexes bearing chiral N-heterocyclic carbene ligands applied in asymmetric catalysis. <i>Applied Organometallic Chemistry</i> , 0, , .	1.7	6
806	Cationic molybdenum oxo alkylidenes stabilized by N-heterocyclic carbenes: from molecular systems to efficient supported metathesis catalysts. <i>Chemical Science</i> , 2022, 13, 8649-8656.	3.7	5
807	N-Heterocyclic carbene copper complex catalyzed Chan-Evans-Lam reactions of arylboronic acids with azoles and amines. <i>Tetrahedron Letters</i> , 2022, 107, 154074.	0.7	4
808	C2-Symmetric N-Heterocyclic Carbenes in Asymmetric Transition-Metal Catalysis. <i>Symmetry</i> , 2022, 14, 1615.	1.1	2
809	Synthesis and structural isomerism of sterically hindered isobornyl amide tethered N-heterocyclic carbene complexes. <i>Journal of Organometallic Chemistry</i> , 2022, 982, 122519.	0.8	0
810	Trivalent rare-earth metal cyclic (alkyl)(amino)carbene complexes. <i>Dalton Transactions</i> , 2022, 51, 15873-15882.	1.6	1
811	A Review on The Medicinal And Industrial Applications of N-Containing Heterocycles. <i>Open Medicinal Chemistry Journal</i> , 2022, 16, .	0.9	12
812	Coordination Versatility of NHC-metal Topologies in Asymmetric Catalysis: Synthetic Insights and Recent Trends. <i>Coordination Chemistry Reviews</i> , 2023, 478, 214922.	9.5	10
813	Unsymmetric N-Aryl Substituent Effects on Chiral NHC-Cu: Enantioselectivity and Reactivity Enhancement by Ortho-H and Syn-Configuration. <i>ACS Catalysis</i> , 2023, 13, 407-421.	5.5	1
814	Alternating Ring-Opening Metathesis Polymerization Promoted by Ruthenium Catalysts Bearing Unsymmetrical NHC Ligands. <i>Catalysts</i> , 2023, 13, 34.	1.6	3
815	Enantiopure cycloplatinated pentahelicenic N-heterocyclic carbenic complexes that display long-lived circularly polarized phosphorescence. <i>Dalton Transactions</i> , 2023, 52, 6484-6493.	1.6	1