An overview of N-heterocyclic carbenes

Nature

510, 485-496

DOI: 10.1038/nature13384

Citation Report

#	Article	IF	Citations
2	Ligandâ€Controlled Regiodivergent Nickelâ€Catalyzed Annulation of Pyridones. Angewandte Chemie - International Edition, 2015, 54, 633-637.	7.2	109
3	A Late-Stage Strategy for the Functionalization of Triazolium-Based NHC Catalysts. Synlett, 2014, 25, 2665-2668.	1.0	19
5	Tetrameric Silver(I) Complex with Bridging N-Heterocyclic Carbene Ligands: [(iPrIm)Ag(NO3)]4. Organometallics, 2014, 33, 5610-5613.	1.1	12
6	Nâ€Heterocyclic Carbeneâ€“Phosphinidyne Transition Metal Complexes. Angewandte Chemie - International Edition, 2014, 53, 13568-13572.	7.2	103
7	Symmetrical non-chelating poly-N-heterocyclic carbenes. RSC Advances, 2014, 4, 62789-62792.	1.7	8
8	Durch Nâ€heterocyclische Carbene katalysierte formale [3+2]â€Anellierungen von Enalen: enantioselektiver Zugang zu Spiroheterocyclen. Angewandte Chemie, 2014, 126, 10397-10401.	1.6	47
9	N-Heterocyclic Carbene Catalyzed Switchable Reactions of Enals with Azoalkenes: Formal [4 + 3] and [4 + 1] Annulations for the Synthesis of 1,2-Diazepines and Pyrazoles. Journal of the American Chemical Society, 2014, 136, 17402-17405.	6.6	168
10	Isolation of an Iminoâ€Nâ€heterocyclic Carbene/Germanium(0) Adduct: A Mesoionic Germylene Equivalent. Angewandte Chemie - International Edition, 2014, 53, 13106-13109.	7.2	63
11	N-Heterocyclic Carbene Catalyzed Annulation of Enals to Aurone Analogs: Synthesis of Cyclopentene-Fused Spirobenzofuran-3-ones. Organic Letters, 2014, 16, 6374-6377.	2.4	32
12	A Novel Intramolecular Homoenolate Annulation Leading to the Formation of Cyclopentene-Fused Macrocycles. Organic Letters, 2014, 16, 5532-5535.	2.4	15
13	Palladiumâ€Catalyzed Hydroxymethylation of Arylâ•and Heteroarylboronic Acids using Aqueous Formaldehyde. Advanced Synthesis and Catalysis, 2014, 356, 3525-3529.	2.1	23
14	Direct Catalytic Addition of Alkylnitriles to Aldehydes by Transitionâ€Metal/NHC Complexes. Chemistry - A European Journal, 2014, 20, 15723-15726.	1.7	49
15	Mechanistic Insights into the Oxidative Coupling of Nâ€Heterocyclic Carbenes within the Coordination Sphere of Copper Complexes. Chemistry - A European Journal, 2014, 20, 12729-12733.	1.7	14
16	Nâ€Heterocyclic Carbenes Supported on Vinylic Addition Polynorbornene: A Recyclable and Recoverable Organocatalyst. ChemCatChem, 2014, 6, 3547-3552.	1.8	16
17	Stereoselective synthesis of Îµ-lactones or spiro-heterocycles through NHC-catalyzed annulation: divergent reactivity by catalyst control. Chemical Communications, 2014, 50, 15309-15312.	2.2	104
18	A Diruthenium Î¼-Carbido Complex That Shows Singlet-Carbene-like Reactivity. Journal of the American Chemical Society, 2014, 136, 15889-15892.	6.6	52
19	Exploring a unique reactivity of N-heterocyclic carbenes (NHC) in rhodium(<scp>iii</scp>)-catalyzed intermolecular Câ€“H activation/annulation. Chemical Communications, 2014, 50, 15159-15162.	2.2	68
20	Nâ€Heterocyclic Carbene Catalyzed Formal [3+2] Annulation Reaction of Enals: An Efficient Enantioselective Access to Spiroâ€Heterocycles. Angewandte Chemie - International Edition, 2014, 53, 10232-10236.	7.2	172

#	Article	IF	Citations
21	Synthesis of Tridentate 2,6-Bis(imino)pyridyl Ruthenium(II) Complexes with N-Heterocyclic Carbene Ligands: Activation of Imidazolium Salts. Inorganic Chemistry, 2014, 53, 11447-11456.	1.9	9
22	Synthesis and structural characterization of a C₄cumulene including 4-pyridylidene units, and its reactivity towards ammonia-borane. Chemical Communications, 2014, 50, 12378-12381.	2.2	25
23	Expanded ring N-heterocyclic carbene adducts of group 15 element trichlorides: synthesis and reduction studies. Dalton Transactions, 2014, 43, 14858-14864.	1.6	21
24	N-Heterocyclic carbene-catalyzed double acylation of enones with benzils. Chemical Communications, 2014, 50, 12285-12288.	2.2	21
25	Facile Synthesis of Î³-Ketophosphonates by an Intermolecular Stetter Reaction onto Vinylphosphonates. Organic Letters, 2014, 16, 4798-4801.	2.4	48
26	N-Heterocyclic carbene-catalyzed enantioselective synthesis of functionalized cyclopentenes via Î±,Î²-unsaturated acyl azoliums. Chemical Communications, 2014, 50, 14539-14542.	2.2	65
27	Sydnone anions and abnormal N-heterocyclic carbenes ofO-ethylsydnones. Characterizations, calculations and catalyses. Chemical Communications, 2014, 50, 11822-11824.	2.2	53
28	Conjugate Umpolung of Î²,Î²â€Disubstituted Enals by Dual Catalysis with an Nâ€Heterocyclic Carbene and a BrÃ¸nsted Acid: Facile Construction of Contiguous Quaternary Stereocenters. Angewandte Chemie - International Edition, 2014, 53, 10515-10519.	7.2	134
29	Enantioselective All-Carbon (4+2) Annulation by N-Heterocyclic Carbene Catalysis. Journal of the American Chemical Society, 2014, 136, 14397-14400.	6.6	61
30	Sonogashira Couplings Catalyzed by Collaborative (N-Heterocyclic Carbene)-Copper and -Palladium Complexes. Organic Letters, 2014, 16, 3724-3727.	2.4	63
31	Benzene construction via organocatalytic formal [3+3] cycloaddition reaction. Nature Communications, 2014, 5, 5027.	5.8	95
34	Catalytic Nucleophilic Fluorination of Secondary and Tertiary Propargylic Electrophiles with a Copperâ€“Nâ€Heterocyclic Carbene Complex. Angewandte Chemie - International Edition, 2015, 54, 13734-13738.	7.2	30
36	Rhodium(I) Ferrocenylcarbene Complexes: Synthesis, Structural Determination, Electrochemistry, and Application as Hydroformylation Catalyst Precursors. Organometallics, 2015, 34, 5745-5753.	1.1	16
38	Application of Chan-Lam cross coupling for the synthesis of N-heterocyclic carbene precursors bearing strong electron donating or withdrawing groups. Scientific Reports, 2015, 5, 12431.	1.6	2
39	Saturated Five-membered N,B-Heterocyclic Carbene: A Computational Study. Chemistry Letters, 2015, 44, 1586-1588.	0.7	3
40	A monotopic aluminum telluride with an Al=Te double bond stabilized by N-heterocyclic carbenes. Nature Communications, 2015, 6, 10037.	5.8	88
42	An Isolable, Photoswitchable Nâ€Heterocyclic Carbene: Onâ€Demand Reversible Ammonia Activation. Angewandte Chemie - International Edition, 2015, 54, 11559-11563.	7.2	45
44	Cyclic (Amino)(aryl)carbenes (CAArCs) as Strong Ïƒâ€Donating and Ï€â€Accepting Ligands for Transition Metals. Angewandte Chemie - International Edition, 2015, 54, 14915-14919.	7.2	126

#	Article	IF	Citations
45	A Remarkably Simple Class of Imidazoliumâ€Based Lipids and Their Biological Properties. Chemistry - A European Journal, 2015, 21, 15123-15126.	1.7	46
46	A Chemoselective and Modular Postâ€Synthetic Multiâ€Functionalization of NHCâ€“Platinum Complexes. European Journal of Inorganic Chemistry, 2015, 2015, 1665-1668.	1.0	11
47	Effective Formylation of Amines with Carbon Dioxide and Diphenylsilane Catalyzed by Chelating bis(tzNHC) Rhodium Complexes. Angewandte Chemie - International Edition, 2015, 54, 9209-9212.	7.2	147
48	A Mechanochemically Triggered â€œClickâ€•Catalyst. Angewandte Chemie - International Edition, 2015, 54, 13918-13922.	7.2	122
49	Total Synthesis of the Posttranslationally Modified Polyazole Peptide Antibiotic Plantazolicinâ€...A. Angewandte Chemie - International Edition, 2015, 54, 15147-15151.	7.2	20
50	First Nâ€Heterocyclic Carbenes Relying on the Triazolone Structural Motif: Syntheses, Modifications and Reactivity. Chemistry - A European Journal, 2015, 21, 15759-15768.	1.7	17
52	Nâ€Heterocyclic Carbeneâ€Catalysed Direct Synthesis of Cyano Esters via Cyanationâ€Esterification Reaction of Î±â€Keto Esters. Chinese Journal of Chemistry, 2015, 33, 1211-1215.	2.6	4
53	Trifunctional Organocatalysts: Catalytic Proficiency by Cooperative Activation. European Journal of Organic Chemistry, 2015, 2015, 5304-5319.	1.2	20
54	Modular Access to Tetrasubstituted Imidazolium Salts through Acidâ€Catalyzed Addition of Isocyanides to Propargylamines. European Journal of Organic Chemistry, 2015, 2015, 4383-4388.	1.2	17
55	Nâ€Heterocyclicâ€Carbeneâ€Catalysed Diastereoselective Vinylogous Mukaiyama/Michael Reaction of 2â€(Trimethylsilyloxy)furan and Enones. Asian Journal of Organic Chemistry, 2015, 4, 1362-1365.	1.3	10
56	Cï£¿F Activation in Perfluorinated Arenes with Isonitriles under UVâ€Light Irradiation. Chemistry - A European Journal, 2015, 21, 12295-12298.	1.7	27
57	New Route to Stabilize Ruthenium Nanoparticles with Nonâ€Isolable Chiral Nâ€Heterocyclic Carbenes. Chemistry - A European Journal, 2015, 21, 17495-17502.	1.7	54
58	â€œHummingbirdâ€•Behaviour of Nâ€Heterocyclic Carbenes Stabilises Outâ€ofâ€Plane Bonding of AuCl and CuCl Units. Chemistry - A European Journal, 2015, 21, 10997-11000.	1.7	19
59	Moving toward Ylideâ€Stabilized Carbenes. Chemistry - A European Journal, 2015, 21, 11603-11609.	1.7	22
60	Nâ€Heterocyclic Carbeneâ€“Phosphinidene Complexes of the Coinage Metals. Chemistry - A European Journal, 2015, 21, 16178-16189.	1.7	64
61	Enantioselektive intramolekulare Hydroacylierung von nichtaktivierten Alkenen: robuste und vielseitige NHCâ€katalysierte Bildung von cyclischen chiralen Ketonen. Angewandte Chemie, 2015, 127, 12671-12675.	1.6	22
64	Nâ€Heterocyclic Carbene Catalyzed Synthesis of Î´â€Sultones via Î±,Î²â€Unsaturated Sulfonyl Azolium Intermediates. Angewandte Chemie - International Edition, 2015, 54, 11780-11784.	7.2	60
65	Nucleophilic Î²â€Carbon Activation of Propionic Acid as a 3â€Carbon Synthon by Carbene Organocatalysis. Chemistry - A European Journal, 2015, 21, 9360-9363.	1.7	42

#	Article	IF	Citations
66	Oxidative Nâ€Heterocyclic Carbeneâ€Catalyzed Î³â€Carbon Addition of Enals to Imines: Mechanistic Studies and Access to Antimicrobial Compounds. Chemistry - A European Journal, 2015, 21, 9984-9987.	1.7	36
67	NHC-Stabilized Bis(trimethylsilyl)phosphido Complexes of PdIIand NiII. European Journal of Inorganic Chemistry, 2015, 2015, 3094-3101.	1.0	7
68	Ferrocene-Based N-Heterocyclic Carbenes with Functionalised Benzyl Substituents. European Journal of Inorganic Chemistry, 2015, 2015, 5457-5466.	1.0	15
69	From the Nâ€Heterocyclic Carbeneâ€Catalyzed Conjugate Addition of Alcohols to the Controlled Polymerization of (Meth)acrylates. Chemistry - A European Journal, 2015, 21, 9447-9453.	1.7	23
70	New Stable and Persistent Acyclic Diaminocarbenes. Chemistry - A European Journal, 2015, 21, 14107-14121.	1.7	18
71	Palladium(0)/NHCâ€Catalyzed Reductive Heck Reaction of Enones: A Detailed Mechanistic Study. Chemistry - A European Journal, 2015, 21, 18811-18820.	1.7	42
72	Stille Catalystâ€Transfer Polycondensation Using Pdâ€PEPPSIâ€IPr for Highâ€Molecularâ€Weight Regioregular Poly(3â€hexylthiophene). Macromolecular Rapid Communications, 2015, 36, 840-844.	2.0	56
73	Expanding the Ligand Framework Diversity of Carbodicarbenes and Direct Detection of Boron Activation in the Methylation of Amines with CO₂. Angewandte Chemie - International Edition, 2015, 54, 15207-15212.	7.2	149
78	Synthesis of Complexes with Abnormal â€œProticâ€Nâ€Heterocyclic Carbenes. Angewandte Chemie - International Edition, 2015, 54, 13811-13815.	7.2	43
79	Transition Metal Complexes Containing C₂â€Symmetric Bis(imidazolinâ€2â€imine) Ligands Derived from a 1â€Alkylâ€3â€arylimidazolinâ€2â€ylidene. Zeitschrift Fur Anorganische Und Allgemeine Chemie, 2015, 641, 2204-2214.	0.6	10
80	Influence of bulky yet flexible N-heterocyclic carbene ligands in gold catalysis. Beilstein Journal of Organic Chemistry, 2015, 11, 1809-1814.	1.3	15
81	Half-sandwich nickel(II) complexes bearing 1,3-di(cycloalkyl)imidazol-2-ylidene ligands. Beilstein Journal of Organic Chemistry, 2015, 11, 2171-2178.	1.3	15
82	Biological Screening of Newly Synthesized BIAN N-Heterocyclic Gold Carbene Complexes in Zebrafish Embryos. International Journal of Molecular Sciences, 2015, 16, 24718-24731.	1.8	10
83	A facile synthetic route to benzimidazolium salts bearing bulky aromatic N-substituents. Beilstein Journal of Organic Chemistry, 2015, 11, 1656-1666.	1.3	15
84	Direct estimate of the internal Ï€-donation to the carbene centre within N-heterocyclic carbenes and related molecules. Beilstein Journal of Organic Chemistry, 2015, 11, 2727-2736.	1.3	64
85	Efficient synthetic protocols for the preparation of common N-heterocyclic carbene precursors. Beilstein Journal of Organic Chemistry, 2015, 11, 2318-2325.	1.3	59
86	Convenient preparation of high molecular weight poly(dimethylsiloxane) using thermally latent NHC-catalysis: a structure-activity correlation. Beilstein Journal of Organic Chemistry, 2015, 11, 2261-2266.	1.3	5
87	Synthesis and structures of rutheniumâ€“NHC complexes and their catalysis in hydrogen transfer reaction. Beilstein Journal of Organic Chemistry, 2015, 11, 1786-1795.	1.3	20

#	Article	IF	Citations
88	Crystal structure ofcatena-poly[hemi[1,3-bis(2,6-diisopropylphenyl)imidazolium] [[Î¼₃-acetato-Îº³O:O:Oâ€²-tri-Î¼₂-acetato-Îº⁶O:O: dichloromethane sesquisolvate]. Acta Crystallographica Section E: Crystallographic Communications, 2015, 71, m148-m149.	0.2	1
89	Novel imidazolium and imidazolinium salts containing the 9-nickelafluorenyl anion â€“ synthesis, structures and reactivity. Dalton Transactions, 2015, 44, 7169-7176.	1.6	8
90	Imidazol-2-ylidene-Nâ€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
91	A computational study of the effects of ancillary ligands on copper(<scp>i</scp>)â€“ethylene interaction. New Journal of Chemistry, 2015, 39, 5410-5419.	1.4	12
92	Organocatalytic Reactions Enabled by N-Heterocyclic Carbenes. Chemical Reviews, 2015, 115, 9307-9387.	23.0	1,600
93	Carbene Supported Dimer of Heavier Ketenimine Analogue with P and Si Atoms. Journal of the American Chemical Society, 2015, 137, 6180-6183.	6.6	22
94	Palladium-Catalyzed Alkynylation of Moritaâ€“Baylisâ€“Hillman Carbonates with (Triisopropylsilyl)acetylene on Water. Journal of Organic Chemistry, 2015, 80, 6283-6290.	1.7	20
95	Formal [4+1] Annulation Reactions in the Synthesis of Carbocyclic and Heterocyclic Systems. Chemical Reviews, 2015, 115, 5301-5365.	23.0	350
96	Rhodium(<scp>iii</scp>)-catalyzed cascade oxidative annulation reactions of aryl imidazolium salts with alkynes involving multiple Câ€“H bond activation. Organic and Biomolecular Chemistry, 2015, 13, 7695-7710.	1.5	54
97	Bis-N-heterocyclic Carbene Aminopincer Ligands Enable High Activity in Ru-Catalyzed Ester Hydrogenation. Journal of the American Chemical Society, 2015, 137, 7620-7623.	6.6	90
98	Homogeneous and Semiâ€Heterogeneous Magnetically Retrievable Bisâ€Nâ€Heterocyclic Carbene Rhodium(I) Based Catalysts for Selective Hydroaminomethylation Reactions. European Journal of Organic Chemistry, 2015, 2015, 1961-1969.	1.2	13
99	Efficient and Versatile Buchwaldâ€“Hartwig Amination of (Hetero)aryl Chlorides Using the Pdâ€“PEPPSIâ€iPr^{(NMe2)2} Precatalyst in the Presence of Carbonate Base. European Journal of Organic Chemistry, 2015, 2015, 2042-2050.	1.2	61
100	Effect of the functionalisation route on a Zr-MOF with an Irâ€“NHC complex for catalysis. Chemical Communications, 2015, 51, 10864-10867.	2.2	46
101	Ruâ€“Ag and Ruâ€“Au dicarbene complexes from an abnormal carbene ruthenium system. Dalton Transactions, 2015, 44, 11686-11689.	1.6	31
102	A dinuclear Bi(III) complex of a 1,3-disubstituted imidazole-2-thione and its use as a transmetallation agent toward Pd(II). Journal of Organometallic Chemistry, 2015, 796, 11-16.	0.8	8
103	Stereoâ€and Chemodivergent NHCâ€Promoted Functionalisation of Arylalkylketenes with Chloral. Chemistry - A European Journal, 2015, 21, 16354-16358.	1.7	24
104	Group 11 Metal Complexes with Electronâ€poor, 4,5â€Disubstituted Diimidazolâ€2â€ylidene Ligands. Zeitschrift Fur Anorganische Und Allgemeine Chemie, 2015, 641, 2272-2276.	0.6	5
105	Chelating palladium complexes containing pyridine/pyrimidine hydroxyalkyl di-functionalized N-heterocyclic carbenes: synthesis, structure, and catalytic activity towards Câ€“H activation. RSC Advances, 2015, 5, 107601-107607.	1.7	26

#	Article	IF	Citations
106	Silver(<scp>i</scp>)â€“N-heterocyclic carbene catalyzed multicomponent reactions: a facile synthesis of multisubstituted pyridines. RSC Advances, 2015, 5, 105446-105452.	1.7	29
107	Facile Hydrolysis of Nickel(II) Complexes with N-Heterocyclic Carbene Ligands. Organometallics, 2015, 34, 5759-5766.	1.1	48
108	Synthesis and structures of (âˆ') menthyl and (+) neomenthyl substituted enantio pure bis(1,2,3-triazol-5-ylidene)PdI 2 complexes and PEPPSI type (1,2,3-triazol-5-ylidene) (pyridine)PdI 2 complexes. Comparison of catalytic activities for Câ€“C coupling. Journal of Organometallic Chemistry, 2015, 799-800, 115-121.	0.8	23
109	N-Heterocyclic Carbene-Catalyzed Diastereoselective Vinylogous Michael Addition Reaction of Î³-Substituted Deconjugated Butenolides. Journal of Organic Chemistry, 2015, 80, 12606-12613.	1.7	28
110	Superior Oxygen Stability of N-Heterocyclic Carbene-Coated Au Nanocrystals: Comparison with Dodecanethiol. Langmuir, 2015, 31, 12873-12882.	1.6	26
111	Hydrogen Activation by an Iridium(III) Complex Bearing a Bidentate Protic NH,NR-NHC^{âˆ§}Phosphine Ligand. Organometallics, 2015, 34, 5454-5460.	1.1	35
112	Recyclable Supported Carbene Catalysts for High-Yielding Self-Condensation of Furaldehydes into C₁₀ and C₁₂ Furoins. ACS Catalysis, 2015, 5, 6907-6917.	5.5	54
113	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
114	Solid-state structure, solution-state behaviour and catalytic activity of electronically divergent C,N-chelating palladiumâ€“N-heterocyclic carbene complexes. Dalton Transactions, 2015, 44, 15938-15948.	1.6	11
115	Selectfluor promoted NHCâ€“oxazoline gold(<scp>i</scp>) complex catalyzed cycloaddition/oxidation reaction of enynones with alkenes. Organic Chemistry Frontiers, 2015, 2, 1475-1484.	2.3	22
116	Polymeric carbon Lewis baseâ€“acid adducts: poly(NHCâ€“C₆₀). Polymer Chemistry, 2015, 6, 1741-1750.	1.9	5
118	Robust Ruthenium(II)-Catalyzed Câ€“H Arylations: Carboxylate Assistance for the Efficient Synthesis of Angiotensin-II-Receptor Blockers. Organic Process Research and Development, 2015, 19, 260-269.	1.3	278
119	Post-functionalization of metalâ€“NHC complexes: A useful toolbox for bioorganometallic chemistry (and beyond)?. Journal of Organometallic Chemistry, 2015, 782, 22-30.	0.8	43
120	N-Heterocyclic Carbene-Catalyzed Radical Reactions for Highly Enantioselective Î²-Hydroxylation of Enals. Journal of the American Chemical Society, 2015, 137, 2416-2419.	6.6	153
121	Pyridine versus acetonitrile coordination in rhodiumâ€“N-heterocyclic carbene square-planar complexes. Dalton Transactions, 2015, 44, 5777-5789.	1.6	32
122	Mechanochemical Ruthenium-Catalyzed Olefin Metathesis. Journal of the American Chemical Society, 2015, 137, 2476-2479.	6.6	134
123	Asymmetric Dual-Catalytic Cascade by Chiral N-Heterocyclic Carbene and Quinuclidine: Mechanism and Origin of Enantioselectivity in Benzofuranone Formation. ACS Catalysis, 2015, 5, 1596-1603.	5.5	50
124	Palladiumâ€Catalyzed Direct C2â€Arylation of an Nâ€Heterocyclic Carbene: An Atomâ€Economic Route to Mesoionic Carbene Ligands. Chemistry - A European Journal, 2015, 21, 4247-4251.	1.7	57

#	Article	IF	Citations
125	N-heterocyclic carbene-mediated transformations of silicon reagents. Tetrahedron Letters, 2015, 56, 972-980.	0.7	18
126	Synthesis and characterization of a new C2-symmetrical chiral tridentate N-heterocyclic carbene ligand coordinated Cr(III) complex. Tetrahedron: Asymmetry, 2015, 26, 158-162.	1.8	7
127	N-Heterocyclic carbene catalysed redox isomerisation of esters to functionalised benzaldehydes. Chemical Science, 2015, 6, 2366-2370.	3.7	77
128	Photofunctional Platinum Complexes Featuring Nâ€heterocyclic Carbeneâ€Based Pincer Ligands. Chemistry - an Asian Journal, 2015, 10, 728-739.	1.7	21
129	Carbonâ€“carbon bond activation of cyclobutenones enabled by the addition of chiral organocatalyst to ketone. Nature Communications, 2015, 6, 6207.	5.8	103
130	N-heterocyclic carbene (NHC) complexes of group 4 transition metals. Chemical Society Reviews, 2015, 44, 1898-1921.	18.7	132
131	Expedient Synthesis of Homochiral 1-Aryl-Substituted 4,5-Dihydro-1H-imidazoles and Their Modification to N-Heterocyclic Carbene Precursors. European Journal of Organic Chemistry, 2015, 2015, 1819-1823.	1.2	3
132	Bifunctional Amineâ€Squaramides: Powerful Hydrogenâ€Bonding Organocatalysts for Asymmetric Domino/Cascade Reactions. Advanced Synthesis and Catalysis, 2015, 357, 253-281.	2.1	469
133	Catalytic Hydrogenation of CO₂ to Formates by a Lutidine-Derived Ruâ€“CNC Pincer Complex: Theoretical Insight into the Unrealized Potential. ACS Catalysis, 2015, 5, 1145-1154.	5.5	109
134	Nickel N-Heterocyclic Carbene-Catalyzed Câ€“C Bond Formation: Reactions and Mechanistic Aspects. ACS Catalysis, 2015, 5, 1283-1302.	5.5	137
135	Spherical coreâ€“shell magnetic particles constructed by main-chain palladium N-heterocyclic carbenes. Nanoscale, 2015, 7, 3532-3538.	2.8	17
136	Nâ€Heterocyclicâ€Carbeneâ€Catalyzed Sulfaâ€Michael additions. Asian Journal of Organic Chemistry, 2015, 4, 327-332.	1.3	22
137	What can NMR spectroscopy of selenoureas and phosphinidenes teach us about the Ï€-accepting abilities of N-heterocyclic carbenes?. Chemical Science, 2015, 6, 1895-1904.	3.7	244
138	Mesoionic Carbeneâ€Gold(I) Catalyzed Bisâ€Hydrohydrazination of Alkynes with Parent Hydrazine. Chemistry - an Asian Journal, 2015, 10, 2139-2142.	1.7	41
139	Aminomethylation of Enals through Carbene and Acid Cooperative Catalysis: Concise Access to Î²²â€Amino Acids. Angewandte Chemie - International Edition, 2015, 54, 5161-5165.	7.2	104
140	Enantioselective Assembly of Spirocyclic Oxindole-dihydropyranones through NHC-Catalyzed Cascade Reaction of Isatins with N-Hydroxybenzotriazole Esters of Î±,Î²-Unsaturated Carboxylic Acid. Journal of Organic Chemistry, 2015, 80, 3289-3294.	1.7	60
141	Nâ€Heterocyclic Carbeneâ€Catalyzed Umpolung Formal [3+3]â€‰Cycloaddition of Enals with Isatogens: Access to Fused Indolinâ€3â€one with a Tetrasubstituted Carbon Stereocenter. Advanced Synthesis and Catalysis, 2015, 357, 923-927.	2.1	40
142	Cycloelimination of Imidazolidinâ€2â€ylidene Nâ€Heterocyclic Carbenes: Mechanism and Insights into the Synthesis of Stable â€œNHCâ€CDIâ€Amidinates. Chemistry - A European Journal, 2015, 21, 5685-5688.	1.7	21

#	Article	IF	Citations
143	Estimating Ï€ binding energy of Nâ€Heterocyclic carbenes: The role of polarization. Journal of Computational Chemistry, 2015, 36, 564-572.	1.5	12
144	Cobaltâ€Catalyzed Cï£¿H Arylations with Weaklyâ€Coordinating Amides and Tetrazoles: Expedient Route to Angiotensinâ€IIâ€Receptor Blockers. Chemistry - A European Journal, 2015, 21, 5718-5722.	1.7	66
145	Enantioselective Synthesis of Functionalized Pyrazoles by NHC-Catalyzed Reaction of Pyrazolones with Î±,Î²-Unsaturated Aldehydes. Organic Letters, 2015, 17, 1417-1420.	2.4	98
146	Lightâ€Sensitive and Recoverable Nâ€Heterocyclic Carbene Copper(I) Complex in Homogeneous Catalysis. Advanced Synthesis and Catalysis, 2015, 357, 917-922.	2.1	12
147	Enantioselective Intramolecular Hydroacylation of Unactivated Alkenes: An NHCâ€Catalyzed Robust and Versatile Formation of Cyclic Chiral Ketones. Angewandte Chemie - International Edition, 2015, 54, 12492-12496.	7.2	68
149	PEGylated N-Heterocyclic Carbene Anchors Designed To Stabilize Gold Nanoparticles in Biologically Relevant Media. Journal of the American Chemical Society, 2015, 137, 7974-7977.	6.6	152
150	N-Heterocyclic carbene-catalyzed [3+3] cyclocondensation of bromoenals with aldimines: highly enantioselective synthesis of dihydropyridinones. Chemical Communications, 2015, 51, 12040-12043.	2.2	50
151	Selective palladium-catalysed arylation of 2,6-dibromopyridine using N-heterocyclic carbene ligands. RSC Advances, 2015, 5, 53073-53085.	1.7	25
152	The Real Role of N-Heterocyclic Carbene in Reductive Functionalization of CO₂: An Alternative Understanding from Density Functional Theory Study. Journal of the American Chemical Society, 2015, 137, 10182-10189.	6.6	105
153	Bis(amino)cyclopropenylidene-Catalyzed 1,6-Conjugate Addition of Aromatic Aldehydes to para-Quinone Methides: Expedient Access to Î±,Î±â€²-Diarylated Ketones. Organic Letters, 2015, 17, 3952-3955.	2.4	109
154	Negatively Charged N-Heterocyclic Carbene-Stabilized Pd and Au Nanoparticles and Efficient Catalysis in Water. ACS Catalysis, 2015, 5, 5414-5420.	5.5	161
155	N-Phosphanyl- and N,Nâ€²-Diphosphanyl-Substituted N-Heterocyclic Carbene Chromium Complexes: Synthesis, Structures, and Catalytic Ethylene Oligomerization. Organometallics, 2015, 34, 4109-4116.	1.1	41
156	Rationalization of regioselectivity of electrophilic substitution reaction for cyclic compounds in terms of Dpb values. Chinese Chemical Letters, 2015, 26, 553-556.	4.8	2
157	Quantum chemical insight into Câ€“Hâ‹¯F bonding interactions between noncovalently bonded ion-pairs in N-heterocyclic carbene complexes of gold(I) [(NHC*)2Au]+[PF6]â¯and gold(III) [(NHC*)2AuCl2]+[PF6]â¯. Journal of Organometallic Chemistry, 2015, 795, 34-39.	0.8	2
158	A stereoselective access to a ferrocene-based planar chiral triazolium salt. Journal of Organometallic Chemistry, 2015, 797, 1-7.	0.8	11
159	Ruthenium and osmium complexes containing 2-(aminomethyl)pyridine (Ampy)-based ligands in catalysis. Coordination Chemistry Reviews, 2015, 300, 29-85.	9.5	94
160	N -heterocyclic carbenes (NHC) with 1,2,4-oxadiazole-substituents related to natural products: Synthesis, structure and potential antitumor activity of some corresponding gold(I) and silver(I) complexes. European Journal of Medicinal Chemistry, 2015, 101, 431-441.	2.6	81
161	Synthesis and Protonation of N-Heterocyclic-Carbene-Supported Dinitrogen Complexes of Molybdenum(0). Organometallics, 2015, 34, 3414-3420.	1.1	24

#	Article	IF	Citations
162	A Stable Planar-Chiral N-Heterocyclic Carbene with a 1,1â€²-Ferrocenediyl Backbone. Inorganic Chemistry, 2015, 54, 6657-6670.	1.9	49
163	Enantioselective Synthesis of Chromanones Bearing Quaternary Substituted Stereocenters Catalyzed by (1R)-Camphor-Derived N-Heterocyclic Carbenes. Journal of Organic Chemistry, 2015, 80, 7468-7476.	1.7	34
164	Buchwaldâ€“Hartwig Amination of (Hetero)Aryl Tosylates Using a Well-Defined N-Heterocyclic Carbene/Palladium(II) Precatalyst. Journal of Organic Chemistry, 2015, 80, 7666-7673.	1.7	68
165	Isolation of a Lewis base stabilized parent phosphenium (PH₂⁺) and related species. Chemical Communications, 2015, 51, 12732-12735.	2.2	75
166	Stability of electrogenerated 1-butyl-3-methylimidazol-2-ylidene in DMF. Part 2. Role of acid substrates. [1]. Electrochimica Acta, 2015, 176, 627-635.	2.6	9
167	Reaction of N-heterocyclic carbenes with chalcones leading to the synthesis of deoxy-Breslow intermediates in their oxidized form. Chemical Communications, 2015, 51, 13690-13693.	2.2	26
168	Structural diversity of late transition metal complexes with flexible tetra-NHC ligands. Dalton Transactions, 2015, 44, 18329-18339.	1.6	45
169	Syntheses, structural characterisation and electronic structures of some simple acyclic amino carbene complexes. Dalton Transactions, 2015, 44, 14341-14348.	1.6	19
170	Transfer hydrogenation promoted by N-heterocyclic carbene and water. Chemical Communications, 2015, 51, 13906-13909.	2.2	18
171	Coumarin heterocyclic derivatives: chemical synthesis and biological activity. Natural Product Reports, 2015, 32, 1472-1507.	5.2	359
172	Synthesis, structural characterization and inÂvitro anti-cancer activity of functionalized N-heterocyclic carbene platinum and palladium complexes. Journal of Organometallic Chemistry, 2015, 794, 115-124.	0.8	42
173	The relative stability of mesoionic and N-heterocyclic carbene tautomers: a computational study of substituent effects. Tetrahedron, 2015, 71, 6846-6851.	1.0	14
174	Highly Selective Hydrogenation of Aromatic Ketones and Phenols Enabled by Cyclic (Amino)(alkyl)carbene Rhodium Complexes. Journal of the American Chemical Society, 2015, 137, 9250-9253.	6.6	139
175	Synthetic Advances Inspired by the Bioactive Dinitrosyl Iron Unit. Accounts of Chemical Research, 2015, 48, 2049-2058.	7.6	43
176	Palladium(<scp>ii</scp>) complexes with electron-poor, 4,5-disubstituted diimidazol-2-ylidene ligands: synthesis, characterization and catalytic activity. Dalton Transactions, 2015, 44, 9391-9399.	1.6	15
177	Group 1 and 2 cyclic (alkyl)(amino)carbene complexes. Dalton Transactions, 2015, 44, 12985-12989.	1.6	35
178	Quantifying N-heterocyclic carbenes as umpolung catalysts in the benzoin reaction: balance between nucleophilicity and electrophilicity. New Journal of Chemistry, 2015, 39, 4508-4518.	1.4	26
179	Synthesis of functionalized Î³-lactones via a three-component cascade reaction catalyzed by consecutive N-heterocyclic carbene systems. RSC Advances, 2015, 5, 26972-26976.	1.7	19

#	Article	IF	Citations
180	Simple but effective: thermally stable Cuâ€“ESiMe₃via NHC ligation. Chemical Communications, 2015, 51, 8361-8364.	2.2	26
181	â€œ(Diphosphine)Nickelâ€â€Catalyzed Negishi Crossâ€Coupling: An Experimental and Theoretical Study. Chemistry - A European Journal, 2015, 21, 7690-7694.	1.7	23
182	N-Heterocyclic Carbene-Catalyzed Î´-Carbon LUMO Activation of Unsaturated Aldehydes. Journal of the American Chemical Society, 2015, 137, 5658-5661.	6.6	102
183	N-Alkylfluorenyl-substituted N-heterocyclic carbenes as bimodal pincers. Dalton Transactions, 2015, 44, 9260-9268.	1.6	22
184	Dynamic Behavior of N-Heterocyclic Carbene Boranes: Boronâ€“Carbene Bonds in B,B-Disubstituted N,N-Dimethylimidazol-2-ylidene Boranes Have Substantial Rotation Barriers. Journal of Organic Chemistry, 2015, 80, 4465-4469.	1.7	5
185	Novel C2-symmetric six-membered NHCs for asymmetric copper-catalysed conjugate addition of Grignard reagents to 3-methylhexenone. Tetrahedron, 2015, 71, 2858-2862.	1.0	13
186	NHCâ€Catalyzed Asymmetric Synthesis of Functionalized Succinimides from Enals and Î±â€Ketoamides. Chemistry - A European Journal, 2015, 21, 8033-8037.	1.7	33
187	From Isonitriles to Unsaturated NHC Complexes of Gold, Palladium and Platinum. Advanced Synthesis and Catalysis, 2015, 357, 1515-1523.	2.1	73
188	Bonding situation in silicon complexes [(L) 2 (Si 2)] and [(L) 2 (Si)] with NHC and cAAC ligands. Journal of Organometallic Chemistry, 2015, 792, 139-148.	0.8	33
189	Enantioselective Synthesis of Tertiary Propargylic Alcohols under Nâ€Heterocyclic Carbene Catalysis. Chemistry - A European Journal, 2015, 21, 8384-8388.	1.7	27
190	Electron-Deficient Olefin Ligands Enable Generation of Quaternary Carbons by Ni-Catalyzed Cross-Coupling. Journal of the American Chemical Society, 2015, 137, 5638-5641.	6.6	110
191	NCN pincer palladium complexes based on 1,3-dipicolyl-3,4,5,6-tetrahydropyrimidin-2-ylidenes: synthesis, characterization and catalytic activities. RSC Advances, 2015, 5, 25723-25729.	1.7	17
192	A novel aminotriazole-based NHC complex for the design of gold(<scp>i</scp>) anti-cancer agents: synthesis and biological evaluation. MedChemComm, 2015, 6, 1186-1189.	3.5	31
193	Enantioselective annulation of enals with 2-naphthols by triazolium salts derived from <scp>l</scp>-phenylalanine. Chemical Science, 2015, 6, 4273-4278.	3.7	42
194	Rhodium(III)â€“N-Heterocyclic Carbene-Driven Cascade Câ€“H Activation Catalysis. ACS Catalysis, 2015, 5, 2692-2696.	5.5	111
195	Accessible Syntheses of Late Transition Metal (Pre)Catalysts Bearing Nâ€Heterocyclic Carbene Ligands. European Journal of Inorganic Chemistry, 2015, 2015, 2012-2027.	1.0	58
196	Origin of Chemoselectivity in N-Heterocyclic Carbene Catalyzed Cross-Benzoin Reactions: DFT and Experimental Insights. Journal of Organic Chemistry, 2015, 80, 3597-3610.	1.7	57
197	N-Heterocyclic carbenes as organocatalysts for polymerizations: trends and frontiers. Polymer Chemistry, 2015, 6, 3185-3200.	1.9	118

#	Article	IF	Citations
198	Oxidative N-heterocyclic carbene catalyzed stereoselective annulation of simple aldehydes and 5-alkenyl thiazolones. Chemical Communications, 2015, 51, 8134-8137.	2.2	58
199	Water in N-Heterocyclic Carbene-Assisted Catalysis. Chemical Reviews, 2015, 115, 4607-4692.	23.0	216
200	Synthesis, Characterization, and Theoretical Investigation of Twoâ€Coordinate Palladium(0) and Platinum(0) Complexes Utilizing Ï€â€Accepting Carbenes. Chemistry - A European Journal, 2015, 21, 9312-9318.	1.7	33
201	Solventâ€Induced Facile Synthesis of Cubicâ€, Sphericalâ€, and Honeycombâ€Shape Palladium Nâ€Heterocyclic Carbene Particles and Catalytic Applications in Cyanosilylation. Small, 2015, 11, 3642-3647.	5.2	12
202	Rhodium(III)-Catalyzed Activation and Functionalization of Pyridine Câ€“H Bond by Exploring a Unique Double Role of â€œN-Heterocyclic Carbeneâ€“Pyridylâ€•Ligand Platform. Organometallics, 2015, 34, 1890-1897.	1.1	41
203	The study of the electronic structure of some N-heterocyclic carbenes (NHCs) by variable energy photoelectron spectroscopy. Physical Chemistry Chemical Physics, 2015, 17, 10656-10667.	1.3	13
204	Synthesis of Poly(3-hexylthiophene), Poly(3-hexylselenophene), and Poly(3-hexylselenophene-alt-3-hexylthiophene) by Direct Câ€“H Arylation Polymerization via N-Heterocyclic Carbene Palladium Catalysts. Macromolecules, 2015, 48, 2978-2988.	2.2	37
205	Enantioselective Î²-Protonation by a Cooperative Catalysis Strategy. Journal of the American Chemical Society, 2015, 137, 5891-5894.	6.6	78
206	Zwitterionic carbene adducts and their carbene isomers. RSC Advances, 2015, 5, 41795-41802.	1.7	22
207	Synthesis of Polyurethanes Using Organocatalysis: A Perspective. Macromolecules, 2015, 48, 3153-3165.	2.2	237
208	Enantioselective N-heterocyclic carbene-catalyzed synthesis of indenopyrones. Organic and Biomolecular Chemistry, 2015, 13, 6694-6697.	1.5	16
209	N-Heterocyclic carbene-catalyzed diastereoselective synthesis of Î²-lactone-fused cyclopentanes using homoenolate annulation reaction. Chemical Communications, 2015, 51, 9559-9562.	2.2	27
210	Determining the Ligand Properties of Nâ€Heterocyclic Carbenes from ⁷⁷Se NMR Parameters. European Journal of Inorganic Chemistry, 2015, 2015, 2416-2425.	1.0	221
211	N-Heterocyclic Carbene Nitric Oxide Radicals. Journal of the American Chemical Society, 2015, 137, 4642-4645.	6.6	40
212	N-heterocyclic carbene-catalysed pentafluorophenylation of aldehydes. RSC Advances, 2015, 5, 35513-35517.	1.7	15
213	Asymmetric N-Heterocyclic Carbene Catalyzed Annulation of 2-Alkenylbenzothiazoles with Î±-Chloro Aldehydes. Synthesis, 2015, 47, 421-428.	1.2	11
214	N-Heterocyclic Carbene Catalyzed Enantioselective Annulation of Benzothiazolyl Ethyl Acetates with 2-Bromoenals. Synlett, 2015, 26, 1465-1469.	1.0	22
215	Diastereoselective synthesis of cyclopentanone-fused spirooxindoles by N-heterocyclic carbene-catalyzed homoenolate annulation with isatilidenes. Organic Chemistry Frontiers, 2015, 2, 1584-1588.	2.3	28

#	Article	IF	Citations
216	Mechanochemical Reactions Reporting and Repairing Bond Scission in Polymers. Topics in Current Chemistry, 2015, 369, 209-238.	4.0	19
217	Nanoporous Polymers Incorporating Sterically Confined N-Heterocyclic Carbenes for Simultaneous CO₂ Capture and Conversion at Ambient Pressure. Chemistry of Materials, 2015, 27, 6818-6826.	3.2	116
218	Rhodium(I) and Iridium(I) Complexes of the Conformationally Rigid IBioxMe₄ Ligand: Computational and Experimental Studies of Unusually Tilted NHC Coordination Geometries. Organometallics, 2015, 34, 5099-5112.	1.1	29
219	The synthesis and structure of a carbene-stabilized iminocarboranyl-boron(<scp>i</scp>) compound. Chemical Communications, 2015, 51, 16817-16820.	2.2	34
220	AuICl-bound N-heterocyclic carbene ligands form MII4(LAuCl)6 integrally gilded cages. Chemical Science, 2015, 6, 7326-7331.	3.7	15
221	A green and sustainable phosphine-free NHC-ruthenium catalyst for selective oxidation of alcohols to carboxylic acids in water. Dalton Transactions, 2015, 44, 17409-17414.	1.6	66
222	Carbene Ligands in Surface Chemistry: From Stabilization of Discrete Elemental Allotropes to Modification of Nanoscale and Bulk Substrates. Chemical Reviews, 2015, 115, 11503-11532.	23.0	267
223	Triazine Annelated NHC Featuring Unprecedented Coordination Versatility. Organometallics, 2015, 34, 5335-5340.	1.1	22
224	Ruthenium hydroxycyclopentadienyl N-heterocyclic carbene complexes as transfer hydrogenation catalysts. RSC Advances, 2015, 5, 94707-94718.	1.7	26
225	Enantioselective N-Heterocyclic Carbene Catalyzed Diene Regenerative (4 + 2) Annulation. Organic Letters, 2015, 17, 5332-5335.	2.4	29
226	Chemomimetic Biocatalysis: Exploiting the Synthetic Potential of Cofactor-Dependent Enzymes To Create New Catalysts. Journal of the American Chemical Society, 2015, 137, 13992-14006.	6.6	125
227	Mechanistic study on the cellulose dissolution in ionic liquids by density functional theory. Chinese Journal of Chemical Engineering, 2015, 23, 1894-1906.	1.7	34
228	Mechanism of NHC-Catalyzed Conjugate Additions of Diboron and Borosilane Reagents to Î±,Î²-Unsaturated Carbonyl Compounds. Journal of the American Chemical Society, 2015, 137, 10585-10602.	6.6	98
229	Crystal structure of 3-mesityl-1-[(pyridin-2-yl)methyl]-3,4,5,6-tetrahydropyrimidin-1-ium bromide monohydrate. Acta Crystallographica Section E: Crystallographic Communications, 2015, 71, o224-o224.	0.2	1
230	Non-conventional Lewis Acids and Bases in Frustrated Lewis Pair Chemistry. Structure and Bonding, 2015, , 1-29.	1.0	0
231	Development of N-Heterocyclic Carbeneâ€“Copper Complexes for 1,3-Halogen Migration. Organometallics, 2015, 34, 4164-4173.	1.1	45
232	Cross Redox Coupling of Aryl-Aldehydes and p-Benzoquinone. Journal of Organic Chemistry, 2015, 80, 11219-11225.	1.7	10
233	A Remarkably Simple Hybrid Surfactantâ€“NHC Ligand, Its Goldâ€Complex, and Application in Micellar Catalysis. Chemistry - A European Journal, 2015, 21, 12291-12294.	1.7	50

#	Article	IF	Citations
234	NHC Versus Pyridine: How â€œTeethâ€•Change the Redox Behavior of Iron(II) Complexes. Organometallics, 2015, 34, 5155-5166.	1.1	23
235	N-Heterocyclic Carbene-Catalyzed Activation of Esters of N-Hydroxyphthalimide: A Highly Enantioselective Route to Chiral Dihydropyridinones Bearing an All Carbon Quaternary Stereogenic Center. Organic Letters, 2015, 17, 5052-5055.	2.4	56
236	The divergent effects of strong NHC donation in catalysis. Chemical Science, 2015, 6, 6739-6746.	3.7	71
237	Straightforward synthesis of iron cyclopentadienone N-heterocyclic carbene complexes. Dalton Transactions, 2015, 44, 19063-19067.	1.6	16
238	Isocyanide substitution reactions at the trans labile sites of an iron(<scp>ii</scp>) N-heterocyclic carbene complex. RSC Advances, 2015, 5, 85486-85493.	1.7	12
239	1,3-Dimethyl-4-(diphenylphosphino)imidazolium Triflate: A Functionalized Ionic Liquid with Ambivalent Coordination Capability. Organometallics, 2015, 34, 5129-5135.	1.1	21
240	Enantioselective Synthesis of Substituted Î´-Lactones by Cooperative Oxidative N-Heterocyclic Carbene and Lewis Acid Catalysis. Organic Letters, 2015, 17, 4940-4943.	2.4	77
241	Anti-tumor activity and cytotoxicity inÂvitro of novel 4,5-dialkylimidazolium surfactants. Biochemical and Biophysical Research Communications, 2015, 467, 1033-1038.	1.0	39
242	N -Heterocyclic carbene catalyzed tail-to-tail oligomerization of N , N -dimethylacrylamide (DMAA) and the search for the Stetter reaction of DMAA with benzaldehyde. Tetrahedron Letters, 2015, 56, 6537-6540.	0.7	26
243	Fluorescent Dendrimeric Molecular Catalysts Demonstrate Unusual Scaling Behavior at the Single-Molecule Level. Journal of Physical Chemistry C, 2015, 119, 19703-19714.	1.5	13
244	Mechanistic Studies of Catalytic Carbonâ€“Carbon Cross-Coupling by Well-Defined Iron NHC Complexes. ACS Catalysis, 2015, 5, 5938-5946.	5.5	64
245	Surfactant Directed Growth of Gold Metal Nanoplates by Chemical Vapor Deposition. Chemistry of Materials, 2015, 27, 6116-6124.	3.2	35
246	A New Phenoxide Chelated Ir^{III} N-Heterocyclic Carbene Complex and Its Application in Reductive Amination Reactions. Organometallics, 2015, 34, 4394-4400.	1.1	37
247	Synthesis and behavior of novel sulfonated water-soluble N-heterocyclic carbene (Î·⁴-diene) platinum(0) complexes. Dalton Transactions, 2015, 44, 18360-18369.	1.6	20
248	A soluble molecular variant of the semiconducting silicondiselenide. Chemical Science, 2015, 6, 5230-5234.	3.7	34
249	Insights into the Unexpected Chemoselectivity for the N-Heterocyclic Carbene-Catalyzed Annulation Reaction of Allenals with Chalcones. Journal of Organic Chemistry, 2015, 80, 8619-8630.	1.7	37
250	Copolymerization of Propylene and Polar Monomers Using Pd/IzQO Catalysts. Journal of the American Chemical Society, 2015, 137, 10934-10937.	6.6	172
251	Switchable selectivity in an NHC-catalysed dearomatizing annulation reaction. Nature Chemistry, 2015, 7, 842-847.	6.6	161

#	Article	IF	Citations
252	A Convenient N-Arylation Route for Electron-Deficient Pyridines: The Case of Ï€-Extended Electrochromic Phosphaviologens. Journal of the American Chemical Society, 2015, 137, 11710-11717.	6.6	124
253	Hg(OTf)₂ Catalyzed Intramolecular 1,4-Addition of Donorâ€“Acceptor Cyclopropenes to Arenes. Organic Letters, 2015, 17, 4312-4315.	2.4	19
254	NHC-catalyzed activation of Î±,Î²-unsaturated N-acyltriazoles: an easy access to dihydropyranones. Chemical Communications, 2015, 51, 14628-14631.	2.2	30
255	Extending N-heterocyclic carbene ligands into the third dimension: a new type of hybrid phosphazane/NHC system. Chemical Science, 2015, 6, 2506-2510.	3.7	27
256	Mechanistic Studies on Stereoselective Organocatalytic Direct Î²-Câ€“H Activation in an Aliphatic Chain by Chiral N-Heterocyclic Carbenes. ACS Catalysis, 2015, 5, 5794-5802.	5.5	37
257	Ligand Control of Manganese Telluride Molecular Cluster Core Nuclearity. Inorganic Chemistry, 2015, 54, 8348-8355.	1.9	28
258	Expedient synthesis of tricyclic benzopyran-2-ones via N-Heterocyclic carbene catalyzed annulation of enals to Î±-methylene cycloalkanones. Tetrahedron, 2015, 71, 9022-9027.	1.0	9
259	Reduction of (Formazanate)boron Difluoride Provides Evidence for an N-Heterocyclic B(I) Carbenoid Intermediate. Inorganic Chemistry, 2015, 54, 8656-8664.	1.9	42
260	An interchangeable homogeneous â‡” heterogeneous catalyst system for furfural upgrading. Green Chemistry, 2015, 17, 5149-5153.	4.6	18
261	Ionic liquids as solvents for the Knoevenagel condensation: understanding the role of solventâ€“solute interactions. New Journal of Chemistry, 2015, 39, 9132-9142.	1.4	22
262	Bimetallic N-Heterocyclic Carbene Rh(I) Complexes: Probing the Cooperative Effect for the Catalyzed Hydroelementation of Alkynes. Organometallics, 2015, 34, 4543-4552.	1.1	34
263	Câ€“H Functionalization at Sterically Congested Positions by the Platinum-Catalyzed Borylation of Arenes. Journal of the American Chemical Society, 2015, 137, 12211-12214.	6.6	112
264	A Bicyclic N-Heterocyclic Carbene as a Bulky but Accessible Ligand: Application to the Copper-Catalyzed Borylations of Aryl Halides. Journal of Organic Chemistry, 2015, 80, 9671-9681.	1.7	43
265	Novel silver(I)â€“ and gold(I)â€“N-heterocyclic carbene complexes. Synthesis, characterization and evaluation of biological activity against tumor cells. Inorganica Chimica Acta, 2015, 437, 143-151.	1.2	21
266	Synthesis and Structure of a CuI3S Cluster Unsupported by Other Bridging Ligands. Organometallics, 2015, 34, 4637-4640.	1.1	21
267	Saturated N,X-Heterocyclic Carbenes (X=N, O, S, P, Si, C, and B): Stability, Nucleophilicity, and Basicity. Australian Journal of Chemistry, 2015, 68, 1438.	0.5	24
268	N-Heterocyclic carbene-catalyzed dimerization, cyclotetramerization and polymerization of Michael acceptors. Polymer Journal, 2015, 47, 713-718.	1.3	25
269	Pincer CNC bis-N-heterocyclic carbenes: robust ligands for palladium-catalysed Suzukiâ€“Miyaura arylation of bromoanthracene and related substrates. Organic Chemistry Frontiers, 2015, 2, 1397-1410.	2.3	21

#	Article	IF	Citations
270	Phenoxy-Linked Mesoionic Triazol-5-ylidenes as Platforms for Multinuclear Transition Metal Complexes. Organometallics, 2015, 34, 4529-4542.	1.1	73
271	N-Heterocyclic carbene-catalyzed [3 + 3] cyclocondensation of bromoenals with hydrazones: highly enantioselective synthesis of dihydropyridazones. Organic and Biomolecular Chemistry, 2015, 13, 11255-11262.	1.5	32
272	Oxidative Route to Abnormal NHC Compounds from Singly Bonded [Mâ€“M] (M = Ru, Rh, Pd) Precursors. Organometallics, 2015, 34, 5509-5512.	1.1	16
273	Organopolymerization of naturally occurring Tulipalin B: a hydroxyl-functionalized methylene butyrolactone. Organic Chemistry Frontiers, 2015, 2, 1625-1631.	2.3	12
274	A mild and efficient method for the synthesis of structurally diverse 1,2,3-triazolylidene palladium(II) diiodo complexes. Comparison of catalytic activities for Suzukiâ€“Miyaura coupling. Journal of Organometallic Chemistry, 2015, 799-800, 232-238.	0.8	23
275	A Stable N-Heterocyclic Carbene Organocatalyst for Hydrogen/Deuterium Exchange Reactions between Pseudoacids and Deuterated Chloroform. Journal of Organic Chemistry, 2015, 80, 1092-1097.	1.7	21
276	Reactivity of a Stable Phosphinonitrene towards Small Molecules. Chemistry - A European Journal, 2015, 21, 191-198.	1.7	26
277	Reaching for two new stable ambiphilic quinoline-derivedN-heterocyclic carbenes at DFT level. International Journal of Quantum Chemistry, 2015, 115, 224-230.	1.0	2
278	Cyclic (Alkyl)(Amino)Carbenes (CAACs): Stable Carbenes on the Rise. Accounts of Chemical Research, 2015, 48, 256-266.	7.6	770
279	Oxidative Addition at a Carbene Center: Synthesis of an Iminoborylâ€“CAAC Adduct. Chemistry - A European Journal, 2015, 21, 199-204.	1.7	44
280	Bifunctional Nâ€Heterocyclic Carbene Catalyzed [3+4] Annulation of Enals and Aurones. Chemistry - A European Journal, 2015, 21, 1868-1872.	1.7	54
281	Synthesis and Characterization of Gold(I) Complexes of Dibenzotropylidene-Functionalized NHC Ligands (Trop-NHCs). Organometallics, 2015, 34, 263-274.	1.1	17
282	Palladium-catalyzed arylation of aldehydes with bromo-substituted 1,3-diaryl-imidazoline carbene ligand. Tetrahedron, 2015, 71, 19-26.	1.0	18
283	Stability and organocatalytic efficiency of N-heterocyclic carbenes electrogenerated in organic solvents from imidazolium ionic liquids. Electrochimica Acta, 2015, 153, 122-129.	2.6	28
284	Sustainable conversion of carbon dioxide: the advent of organocatalysis. Green Chemistry, 2015, 17, 1375-1389.	4.6	559
285	Regio- and stereoselective synthesis of benzothiazolo-pyrimidinones via an NHC-catalyzed Mannich/lactamization domino reaction. Chemical Communications, 2015, 51, 1263-1266.	2.2	57
286	IMes-acac: hybrid combination of diaminocarbene and acetylacetonato sub-units into a new anionic ambidentate NHC ligand. Chemical Communications, 2015, 51, 5271-5274.	2.2	50
287	Electrochemical flow-reactor for expedient synthesis of copperâ€“N-heterocyclic carbene complexes. Chemical Communications, 2015, 51, 1282-1284.	2.2	54

#	Article	IF	Citations
288	Synthesis of unsymmetrical N-carboranyl NHCs: directing effect of the carborane anion. Chemical Communications, 2015, 51, 5359-5362.	2.2	71
289	Palladium catalyst coordinated in knitting N-heterocyclic carbene porous polymers for efficient Suzukiâ€“Miyaura coupling reactions. Journal of Materials Chemistry A, 2015, 3, 1272-1278.	5.2	155
290	Ionic liquids: not always innocent solvents for cellulose. Green Chemistry, 2015, 17, 231-243.	4.6	159
291	Oxa-Michael addition polymerization of acrylates catalyzed by N-heterocyclic carbenes. Polymer Chemistry, 2015, 6, 294-301.	1.9	54
292	Scope and limitations of the dual-gold-catalysed hydrophenoxylation of alkynes. Beilstein Journal of Organic Chemistry, 2016, 12, 172-178.	1.3	17
293	Organocatalytic Transformation of Carbon Dioxide. , 0, , .		1
294	From betaines to anionic N-heterocyclic carbenes. Borane, gold, rhodium, and nickel complexes starting from an imidazoliumphenolate and its carbene tautomer. Beilstein Journal of Organic Chemistry, 2016, 12, 2673-2681.	1.3	7
295	Synthesis of New Chiral Benzimidazolylideneâ€“Rh Complexes and Their Application in Asymmetric Addition Reactions of Organoboronic Acids to Aldehydes. Catalysts, 2016, 6, 132.	1.6	5
296	Enantiopure C1-symmetric N-Heterocyclic Carbene Ligands from Desymmetrized meso-1,2-Diphenylethylenediamine: Application in Ruthenium-Catalyzed Olefin Metathesis. Catalysts, 2016, 6, 177.	1.6	14
297	Advances in the Knowledge of N-Heterocyclic Carbenes Properties. The Backing of the Electrochemical Investigation. Catalysts, 2016, 6, 178.	1.6	25
298	NHC Backbone Configuration in Ruthenium-Catalyzed Olefin Metathesis. Molecules, 2016, 21, 117.	1.7	27
299	Self-Supported N-Heterocyclic Carbenes and Their Use as Organocatalysts. Molecules, 2016, 21, 1100.	1.7	4
300	Reactivity studies of pincer bis-protic N-heterocyclic carbene complexes of platinum and palladium under basic conditions. Beilstein Journal of Organic Chemistry, 2016, 12, 1334-1339.	1.3	11
301	Organocatalytic activity of [3]ferrocenophanes: a computational study. Structural Chemistry, 2016, 27, 1569-1576.	1.0	3
302	Catalytic activity of chelating N-heterocyclic carbene palladium complexes towards selective phosphorylation of coumarins. Journal of Organometallic Chemistry, 2016, 818, 179-184.	0.8	11
303	Electrostatic Properties of Nâ€Heterocyclic Carbenes Obtained by Experimental Chargeâ€Density Analysis of Two Selenium Adducts. European Journal of Inorganic Chemistry, 2016, 2016, 3389-3395.	1.0	23
304	Nâ€Heterocyclic Carbeneâ€Catalyzed Synthesis of Multiâ€Substituted Benzenes from Enals and Î±â€Cyanoâ€Î²â€methylenones. Advanced Synthesis and Catalysis, 2016, 358, 2862-2866.	2.1	53
305	Nâ€Heterocyclic Carbeneâ€“Gold(I) Complexes Conjugated to a Leukemiaâ€Specific DNA Aptamer for Targeted Drug Delivery. Angewandte Chemie, 2016, 128, 9035-9039.	1.6	13

#	Article	IF	Citations
306	Template Synthesis, Metalation, and Selfâ€Assembly of Protic Gold(I)/(NHC)₂ Tectons Driven by Metallophilic Interactions. Angewandte Chemie, 2016, 128, 8526-8530.	1.6	3
307	Nâ€Heterocyclic Carbeneâ€“Gold(I) Complexes Conjugated to a Leukemiaâ€Specific DNA Aptamer for Targeted Drug Delivery. Angewandte Chemie - International Edition, 2016, 55, 8889-8893.	7.2	82
308	Template Synthesis, Metalation, and Selfâ€Assembly of Protic Gold(I)/(NHC)₂ Tectons Driven by Metallophilic Interactions. Angewandte Chemie - International Edition, 2016, 55, 8386-8390.	7.2	16
309	Serendipitous Observation of Al^I Insertion into a Câ€“O Bond in L₂PhB (L=Oxazolâ€2â€ylidene). Chemistry - A European Journal, 2016, 22, 1922-1925.	1.7	25
310	Why Does the Intramolecular Trimethyleneâ€Bridged Frustrated Lewis Pair Mes₂PCH₂CH₂CH₂B(C₆F₅)₂ Not Activate Dihydrogen?. Chemistry - A European Journal, 2016, 22, 5988-5995.	1.7	37
311	Selective Activation of Fluoroalkenes with Nâ€Heterocyclic Carbenes: Synthesis of Nâ€Heterocyclic Fluoroalkenes and Polyfluoroalkenyl Imidazolium Salts. Chemistry - A European Journal, 2016, 22, 8063-8067.	1.7	30
312	Generalization of the Copper to Lateâ€Transitionâ€Metal Transmetallation to Carbenes beyond Nâ€Heterocyclic Carbenes. Chemistry - A European Journal, 2016, 22, 9404-9409.	1.7	46
313	Acceptorless Dehydrogenative Oxidation of Secondary Alcohols Catalysed by Cp*Ir^{III}â€“NHC Complexes. Chemistry - A European Journal, 2016, 22, 10513-10522.	1.7	40
314	Reactivity of an Nâ€Heterocyclic Carbene Stabilized Hydrosilylene towards a Ketone and CO2: Experimental and Theoretical Study. European Journal of Inorganic Chemistry, 2016, 2016, 2696-2703.	1.0	13
315	Asymmetric Hydrogenation of Vinylthioethers: Access to Optically Active 1,5â€Benzothiazepine Derivatives. Angewandte Chemie - International Edition, 2016, 55, 3300-3303.	7.2	63
316	Nâ€Heterocyclic Carbenes and Parent Cations: Acidity, Nucleophilicity, Stability, and Hydrogen Bondingâ€”Electrochemical Study and Abâ€…Initio Calculations. ChemElectroChem, 2016, 3, 1133-1141.	1.7	24
317	The Developing Concept of Bifunctional Catalysis with Transition Metal Nâ€Heterocyclic Carbene Complexes. European Journal of Inorganic Chemistry, 2016, 2016, 1448-1465.	1.0	51
318	Theoretical insights into the relative bonding of normal and abnormal <scp>N</scp>â€heterocyclic carbenes in [<scp>P</scp>d<scp>C</scp>l₂(<scp>NHC^R</scp>)₂] and [<scp>P</scp>d<scp>C</scp>l₂(<scp>NHC^R</scp>)(a<scp>NHC^R</scp>)] (<scp>Râ€‰=â€‰H, P</scp>h, <scp>M</scp>es). International Journal of Quantum Chemistry, 2016, 116, 537-546.	1.0	2
319	Access to Spiro and Fused Indole Derivatives from Î±,Î²-Unsaturated Aldehydes Enabled by N-Heterocyclic Carbene Catalysis. Chemical Record, 2016, 16, 1489-1500.	2.9	29
320	Insight into the Reaction of a Dinuclear Phosphinidene Complex with Nitriles. Chemistry - A European Journal, 2016, 22, 5484-5488.	1.7	9
321	Nâ€Heterocyclic Carbene Catalyzed Dynamic Kinetic Resolution of Pyranones. Angewandte Chemie, 2016, 128, 1852-1856.	1.6	43
322	Modulare zweizÃ¤hnige NHCâ€Thioetherâ€Hybridliganden zur Stabilisierung von Palladiumâ€Nanopartikeln in diversen LÃ¶sungsmitteln. Angewandte Chemie, 2016, 128, 5950-5955.	1.6	32
323	Enantioselective Nâ€Heterocyclic Carbene Catalysis by the Umpolung of Î±,Î²â€Unsaturated Ketones. Angewandte Chemie, 2016, 128, 3187-3191.	1.6	32

#	Article	IF	Citations
324	A Disilene Base Adduct with a Dative Siâ€“Si Single Bond. Angewandte Chemie, 2016, 128, 1814-1818.	1.6	23
325	Asymmetrische Hydrierung von Vinylthioethern: Zugang zu optisch aktiven 1,5â€Benzothiazepinderivaten. Angewandte Chemie, 2016, 128, 3361-3364.	1.6	13
326	Nâ€Heterocyclic Carbenes as Promotors for the Rearrangement of Phosphaketenes to Phosphaheteroallenes: A Case Study for OCP to OPC Constitutional Isomerism. Angewandte Chemie, 2016, 128, 6122-6126.	1.6	46
327	Modular Bidentate Hybrid NHCâ€Thioether Ligands for the Stabilization of Palladium Nanoparticles in Various Solvents. Angewandte Chemie - International Edition, 2016, 55, 5856-5860.	7.2	121
328	[Cu(NHC)]â€Catalyzed Câ^'H Allylation and Alkenylation of both Electronâ€Deficient and Electronâ€Rich (Hetero)arenes with Allyl Halides. Angewandte Chemie - International Edition, 2016, 55, 1876-1880.	7.2	71
329	Reactions of Persistent Carbenes with Hydrogen-Terminated Silicon Surfaces. Journal of the American Chemical Society, 2016, 138, 8639-8652.	6.6	61
330	Indazolium halides as efficient ligands for Pd-catalyzed Suzukiâ€“Miyaura cross-coupling of aryl bromides with arylboronic acids. Tetrahedron Letters, 2016, 57, 3735-3738.	0.7	9
331	N-Heterocyclic Carbene Catalyzed [4 + 2] Annulation Reactions with in Situ Generated Heterocyclic ortho-Quinodimethanes. Organic Letters, 2016, 18, 3822-3825.	2.4	92
332	1. Grignard Reagents and Palladium. , 2016, , 1-60.		0
333	Synthesis of Cyclopentachromans by Nâ€Heterocyclic Carbeneâ€Mediated Homoenolate Annulation of Chromanâ€3â€oneâ€4â€ones. Asian Journal of Organic Chemistry, 2016, 5, 778-785.	1.3	7
334	Triptyceneâ€Based Chiral and mesoâ€Nâ€Heterocyclic Carbene Ligands and Metal Complexes. Chemistry - A European Journal, 2016, 22, 9667-9675.	1.7	24
335	Allâ€carbon Nâ€heterocyclic Carbeneâ€catalyzed (3+2) Annulation using Donorâ€Acceptor Cyclopropanes. Israel Journal of Chemistry, 2016, 56, 522-530.	1.0	13
336	Biaryl formation via Suzuki and Stille coupling reactions using palladium nanoparticle/polymeric Nâ€heterocyclic carbene grafted silica as recyclable and efficient catalyst. Applied Organometallic Chemistry, 2016, 30, 818-822.	1.7	8
337	Catalytic Enantioselective Construction of Sulfur-Containing Tetrasubstituted Carbon Stereocenters. ACS Catalysis, 2016, 6, 5319-5344.	5.5	118
338	The organocatalytic ring-opening polymerization of N-tosyl aziridines by an N-heterocyclic carbene. Chemical Communications, 2016, 52, 9719-9722.	2.2	51
339	Enantioselective Nâ€Heterocyclic Carbene Catalysis by the Umpolung of Î±,Î²â€Unsaturated Ketones. Angewandte Chemie - International Edition, 2016, 55, 3135-3139.	7.2	99
340	A Disilene Base Adduct with a Dative Siâ€“Si Single Bond. Angewandte Chemie - International Edition, 2016, 55, 1782-1786.	7.2	47
341	A General Strategy for the Nickelâ€Catalyzed Câ^'H Alkylation of Anilines. Angewandte Chemie - International Edition, 2016, 55, 3153-3157.	7.2	117

#	Article	IF	Citations
342	An Iridium(I) Nâ€Heterocyclic Carbene Complex Catalyzes Asymmetric Intramolecular Allylic Amination Reactions. Angewandte Chemie - International Edition, 2016, 55, 8113-8116.	7.2	62
343	Stable â€ŁSiMe₃ Complexes of Cu^I and Ag^I (E=S, Se) with NHCs: Synthons in Ternary Nanocluster Assembly. Chemistry - A European Journal, 2016, 22, 4543-4550.	1.7	22
344	The Resurgence of the Highly Ylidic Nâ€Heterocyclic Olefins as a New Class of Organocatalysts. Chemistry - A European Journal, 2016, 22, 2208-2213.	1.7	101
345	Highly Efficient Catalysis of Retroâ€Claisen Reactions: From a Quinone Derivative to Functionalized Imidazolium Salts. Chemistry - A European Journal, 2016, 22, 4189-4195.	1.7	11
346	Nâ€Heterocyclic Carbene Ligandâ€Enabled C(sp³)â^'H Arylation of Piperidine and Tetrahydropyran Derivatives. Chemistry - A European Journal, 2016, 22, 4748-4752.	1.7	56
347	A Catalystâ€Enabled Diastereodivergent Azaâ€Dielsâ€“Alder Reaction: Complementarity of Nâ€Heterocyclic Carbenes and Chiral Amines. Chemistry - A European Journal, 2016, 22, 9483-9487.	1.7	107
348	Isolation and Structures of 1,2,3â€Triazoleâ€Derived Mesoionic BiscarbÂenes with Bulky Aromatic Groups. European Journal of Organic Chemistry, 2016, 2016, 1651-1654.	1.2	30
349	Chelating Bis(1,2,3â€triazolâ€5â€ylidene) Rhodium Complexes: Versatile Catalysts for Hydrosilylation Reactions. Advanced Synthesis and Catalysis, 2016, 358, 452-458.	2.1	51
350	A General Strategy for the Nickelâ€Catalyzed Câ^'H Alkylation of Anilines. Angewandte Chemie, 2016, 128, 3205-3209.	1.6	36
351	An Iridium(I) Nâ€Heterocyclic Carbene Complex Catalyzes Asymmetric Intramolecular Allylic Amination Reactions. Angewandte Chemie, 2016, 128, 8245-8248.	1.6	14
352	N-Heterocyclic Carbene-Catalyzed Construction of 1,3,5-Trisubstituted Benzenes from Bromoenals and Î±-Cyano-Î²-methylenones. Organic Letters, 2016, 18, 6408-6411.	2.4	48
353	Strategic Utilization of Multifunctional Carbene for Direct Synthesis of Carboxylicâ€“Phosphinic Mixed Anhydride from CO₂. Angewandte Chemie, 2016, 128, 16309-16313.	1.6	5
354	Strategic Utilization of Multifunctional Carbene for Direct Synthesis of Carboxylicâ€“Phosphinic Mixed Anhydride from CO₂. Angewandte Chemie - International Edition, 2016, 55, 16075-16079.	7.2	28
355	Enantioselective (4+2) Annulation of Donorâ€“Acceptor Cyclobutanes by Nâ€Heterocyclic Carbene Catalysis. Angewandte Chemie, 2016, 128, 16370-16374.	1.6	20
356	Backbone Phosphonamide-Functionalized Imidazol-2-ylidene Complexes. Australian Journal of Chemistry, 2016, 69, 1186.	0.5	2
357	Nâ€Heterocyclic Carbene Catalyzed Î³â€Dihalomethylenation of Enals by Singleâ€Electron Transfer. Angewandte Chemie, 2016, 128, 16015-16018.	1.6	39
358	Molybdenum Imido Alkylidene Complexes Containing N- and C-Chelating N-Heterocyclic Carbenes. Organometallics, 2016, 35, 4106-4111.	1.1	44
359	A Highly Substitutable Palladium(<scp>II</scp>) Complex Stabilized by the Smallest Steric Nâ€Heterocyclic Carbene, IMe (IMeâ€‰=â€‰1,3â€Dimethylimidazoleâ€2â€ylidene). Bulletin of the Korean Chemical Society, 2016, 37, 1745-1746.	1.0	1

#	Article	IF	Citations
360	Differential Manyâ€Body Cooperativity in Electronic Spectra of Oligonuclear Transitionâ€Metal Complexes. ChemPhysChem, 2016, 17, 37-45.	1.0	19
361	NHC-stabilized silylphosphino- and silylarsinogallanes. Phosphorus, Sulfur and Silicon and the Related Elements, 2016, 191, 641-644.	0.8	10
362	Ester Hydrogenation Catalyzed by CNN-Pincer Complexes of Ruthenium. Organometallics, 2016, 35, 982-989.	1.1	49
363	Enantioselective Synthesis of Spirocyclohexadienones by NHCâ€Catalyzed Formal [3+3] Annulation Reaction of Enals. Angewandte Chemie - International Edition, 2016, 55, 268-272.	7.2	155
364	Palladium(II) Complexes with Anionic N-Heterocyclic Carbeneâ€“Borate Ligands as Catalysts for the Amination of Aryl Halides. Organometallics, 2016, 35, 1160-1169.	1.1	50
365	Enantioselective Intermolecular Enamideâ€“Aldehyde Cross-Coupling Catalyzed by Chiral N-Heterocyclic Carbenes. Journal of the American Chemical Society, 2016, 138, 4706-4709.	6.6	64
366	N-Heterocyclic olefins as efficient phase-transfer catalysts for base-promoted alkylation reactions. Chemical Communications, 2016, 52, 7958-7961.	2.2	47
367	Controlling Coordination Geometries: Ruâ€“Carbene Complexes with Tetra-NHC Ligands. Inorganic Chemistry, 2016, 55, 6010-6017.	1.9	19
368	Chirality and catalysis with aromatic N-fused heterobicyclic carbenes. Dalton Transactions, 2016, 45, 10113-10117.	1.6	39
369	Synthesis of surface-active N-heterocyclic carbene ligand and its Pd-catalyzed aqueous Mizorokiâ€“Heck reaction. Tetrahedron, 2016, 72, 4117-4122.	1.0	23
370	Carbene-Catalyzed Dynamic Kinetic Resolution of Carboxylic Esters. Journal of the American Chemical Society, 2016, 138, 7212-7215.	6.6	75
371	Cancer-targeted tri-block copolymer nanoparticles as payloads of metal complexes to achieve enhanced cancer theranosis. Journal of Materials Chemistry B, 2016, 4, 4517-4525.	2.9	22
372	An ab initio study on the nature of Ï*f*-hole interactions in pnicogen-bonded complexes with carbene as an electron donor. Molecular Physics, 2016, 114, 2115-2122.	0.8	18
373	N-Heterocyclic Carbenes as Ligands in Metal Complexes. , 2016, , .		0
374	Coinage metal complexes of the carbenic tautomer of Nitron. Journal of Organometallic Chemistry, 2016, 821, 112-121.	0.8	23
375	Enantioselective Assembly of Spirolactones through NHC-Catalyzed Remote Î³-Carbon Addition of Enals with Isatins. ACS Combinatorial Science, 2016, 18, 220-224.	3.8	24
377	NHC-stabilized Ru nanoparticles: Synthesis and surface studies. Nano Structures Nano Objects, 2016, 6, 39-45.	1.9	34
378	N-Heterocyclic carbene-catalyzed desymmetrization of functionalized 1,4-dienes via Stetter Reaction. Chemical Communications, 2016, 52, 6459-6462.	2.2	35

#	Article	IF	Citations
379	N-Heterocyclic Carbene-Catalyzed Convenient Benzonitrile Assembly. Organic Letters, 2016, 18, 2212-2215.	2.4	75
380	Cooperative Asymmetric Catalysis by N-Heterocyclic Carbenes and BrÃ¸nsted Acid in Î³-Lactam Formation: Insights into Mechanism and Stereoselectivity. ACS Catalysis, 2016, 6, 3118-3126.	5.5	58
381	Experimental Basicities of Phosphazene, Guanidinophosphazene, and Proton Sponge Superbases in the Gas Phase and Solution. Journal of Physical Chemistry A, 2016, 120, 2591-2604.	1.1	51
382	Synthesis of 4H-chromenes by an unexpected, K3PO4-mediated intramolecular Rauhutâ€“Currier type reaction. Organic and Biomolecular Chemistry, 2016, 14, 5612-5616.	1.5	17
383	Non-chelating polydentate N-heterocyclic carbenes through assembly approaches. Phosphorus, Sulfur and Silicon and the Related Elements, 2016, 191, 613-617.	0.8	1
384	Synthesis of Different Classes of Six-Membered Gold(I) NHC Complexes by the Isonitrile Route. Organometallics, 2016, 35, 1070-1078.	1.1	37
385	Tethered N-heterocyclic carbeneâ€“carboranes: unique ligands that exhibit unprecedented and versatile coordination modes at rhodium. Chemical Communications, 2016, 52, 6443-6446.	2.2	32
386	Transition Metal Complexes of an (S,S)-1,2-Diphenylethylamine-Functionalized N-Heterocyclic Carbene: A New Member of the Asymmetric NHC Ligand Family. Organometallics, 2016, 35, 1604-1612.	1.1	24
387	Isolation of 1,2,4,3-Triazaborol-3-yl-metal (Li, Mg, Al, Au, Zn, Sb, Bi) Derivatives and Reactivity toward CO and Isonitriles. Journal of the American Chemical Society, 2016, 138, 6650-6661.	6.6	114
388	High spatial resolution mapping of chemically-active self-assembled N-heterocyclic carbenes on Pt nanoparticles. Faraday Discussions, 2016, 188, 345-353.	1.6	29
389	Porous aromatic frameworks (PAFs) as efficient supports for N-heterocyclic carbene catalysts. Catalysis Science and Technology, 2016, 6, 6037-6045.	2.1	25
390	Development and Applications of Transesterification Reactions Catalyzed by N-Heterocyclic Olefins. Organic Letters, 2016, 18, 2208-2211.	2.4	65
391	Homo- and Heteropolynuclear Complexes Containing Bidentate Bridging 4-Phosphino-N-Heterocyclic Carbene Ligands. Inorganic Chemistry, 2016, 55, 5071-5078.	1.9	17
392	Complexes of carbene-functionalized diamondoids and metal atoms: Electronic properties. Journal of Organometallic Chemistry, 2016, 815-816, 8-15.	0.8	5
393	N-Heterocyclic Carbene-Catalyzed [3 + 4] Annulation of Enals and Alkenyl Thiazolones: Enantioselective Synthesis of Thiazole-Fused Îµ-Lactones. Journal of Organic Chemistry, 2016, 81, 4841-4846.	1.7	53
394	[{Pd(Î¼â€OH)Cl(IPr)}₂]â€”A Highly Efficient Precatalyst for Suzukiâ€“Miyaura Coupling also Able To Act under Baseâ€Free Conditions. ChemCatChem, 2016, 8, 3580-3583.	1.8	18
395	Characterizing a nonclassical carbene with coupled cluster methods: cyclobutylidene. Physical Chemistry Chemical Physics, 2016, 18, 24560-24568.	1.3	2
396	Enantioselective Nucleophilic Î²â€Carbonâ€Atom Amination of Enals: Carbeneâ€Catalyzed Formal [3+2] Reactions. Angewandte Chemie, 2016, 128, 12468-12472.	1.6	25

#	Article	IF	Citations
397	Enantioselective Nucleophilic Î²â€Carbonâ€Atom Amination of Enals: Carbeneâ€Catalyzed Formal [3+2] Reactions. Angewandte Chemie - International Edition, 2016, 55, 12280-12284.	7.2	80
398	Synthesis of Fluorescent 1,3â€Diarylpropynones by Carbonylative Alkynylation Reaction Using (Phosphine) (1,2,3â€triazolâ€5â€ylidene)palladium Complexes as Catalysts. European Journal of Organic Chemistry, 2016, 2016, 4817-4823.	1.2	12
399	Construction of Tropane Derivatives by the Organocatalytic Asymmetric Dearomatization of Isoquinolines. Angewandte Chemie, 2016, 128, 12013-12018.	1.6	19
400	Construction of Tropane Derivatives by the Organocatalytic Asymmetric Dearomatization of Isoquinolines. Angewandte Chemie - International Edition, 2016, 55, 11834-11839.	7.2	84
401	Update on metal N-heterocyclic carbene complexes as potential anti-tumor metallodrugs. Coordination Chemistry Reviews, 2016, 329, 191-213.	9.5	292
402	N-Heterocyclic Carbene Catalytic [4 + 2] Cyclization of 3-Alkylenyloxindoles with Enals: Î³-Carbon Activation for Enantioselective Assembly of Spirocarbocyclic Oxindoles. Journal of Organic Chemistry, 2016, 81, 8888-8899.	1.7	31
403	Cyclometalated Palladium(II) N-Heterocyclic Carbene Complexes: Anticancer Agents for Potent Inâ€…Vitro Cytotoxicity and Inâ€…Vivo Tumor Growth Suppression. Angewandte Chemie, 2016, 128, 12114-12118.	1.6	9
404	Dearomatization of Transition Metal-Coordinated N-Heterocyclic Ligands and Related Chemistry. Advances in Organometallic Chemistry, 2016, , 47-114.	0.5	9
405	Oxidative addition of N-ether-functionalized 2-chlorobenzimidazole to d¹⁰ metals. Zeitschrift Fur Naturforschung - Section B Journal of Chemical Sciences, 2016, 71, 1077-1085.	0.3	3
406	Abnormal-NHC Palladium(II) Complexes: Rational Synthesis, Structural Elucidation, and Catalytic Activity. Organometallics, 2016, 35, 3421-3429.	1.1	31
407	Sequential Nâ€Heterocyclic Carbeneâ€Catalyzed Reactions of Enals and Cyclic Aryldieneâ€1,3â€Diones: Synthesis of Tricyclic Chromenones and Related Compounds. Asian Journal of Organic Chemistry, 2016, 5, 1447-1451.	1.3	3
408	N-Heterocyclic carbene-catalysed intramolecular hydroacylation to form basic nitrogen-containing heterocycles. Organic and Biomolecular Chemistry, 2016, 14, 9981-9984.	1.5	8
409	1,2,4â€Triazolâ€5â€ylidenes versus Imidazolâ€2â€ylidenes for the Stabilization of Phosphorus(I) Cations. Zeitschrift Fur Anorganische Und Allgemeine Chemie, 2016, 642, 1251-1258.	0.6	11
410	Heavier Alkaliâ€metal Gallates as Platforms for Accessing Functionalized Abnormal NHC Carbeneâ€Gallium Complexes. Zeitschrift Fur Anorganische Und Allgemeine Chemie, 2016, 642, 1241-1244.	0.6	17
411	Ruthenium(II) complexes bearing pyridine-functionalized N-heterocyclic carbene ligands: Synthesis, structure and catalytic application over amide synthesis. Journal of Chemical Sciences, 2016, 128, 1725-1735.	0.7	6
412	Solid-state Synthesis of Polyhedral Oligomeric Silsesquioxane-Supported N-Heterocyclic Carbenes/Imidazolium salts on Palladium Nanoparticles: Highly Active and Recyclable Catalyst. ChemistrySelect, 2016, 1, 5353-5357.	0.7	24
413	Highly Efficient Cascade Reaction for Selective Formation of Spirocyclobutenes from Dienallenes via Palladium-Catalyzed Oxidative Double Carbocyclizationâ€“Carbonylationâ€“Alkynylation. Journal of the American Chemical Society, 2016, 138, 13846-13849.	6.6	49
414	Enantioselective synthesis of Î±,Î±-disubstituted Î±-amino acids via direct catalytic asymmetric addition of acetonitrile to Î±-iminoesters. Organic and Biomolecular Chemistry, 2016, 14, 9725-9730.	1.5	25

#	Article	IF	Citations
415	Biaryl Diketone Synthesis via Palladiumâ€catalyzed Carbonylative Coupling with Carbon Monoxide or Various Metal Carbonyls. Bulletin of the Korean Chemical Society, 2016, 37, 1567-1570.	1.0	5
416	Mixed heteropentadienyl and N-heterocyclic carbene ruthenium(II) complexes: Synthesis and transfer hydrogenation catalysis. Journal of Organometallic Chemistry, 2016, 824, 33-41.	0.8	9
417	â€œOn Waterâ€•C(sp³)â€“H Functionalization/Câ€“O/Câ€“N Bonds Formations: Synthesis of Functionalized Oxazolidines and Imidazolidines. Journal of Organic Chemistry, 2016, 81, 9792-9801.	1.7	37
418	Synthesis and catalytic activity of supported acenaphthoimidazolylidene N-heterocyclic carbene ruthenium complex for ring closing metathesis (RCM) and ring opening metathesis polymerization (ROMP). Journal of Catalysis, 2016, 344, 100-107.	3.1	19
419	1-Hydroxybenzotriazole-Assisted, N-Heterocyclic Carbene Catalyzed Î²-Functionalization of Saturated Carboxylic Esters: Access to Spirooxindole Lactones. Journal of Organic Chemistry, 2016, 81, 11454-11460.	1.7	55
420	Rh(I)/NHC*-Catalyzed Site- and Enantioselective Functionalization of C(sp³)â€“H Bonds Toward Chiral Triarylmethanes. ACS Catalysis, 2016, 6, 7652-7656.	5.5	93
421	A Cyclometalated Ruthenium-NHC Precatalyst for the Asymmetric Hydrogenation of (Hetero)arenes and Its Activation Pathway. Organometallics, 2016, 35, 3641-3646.	1.1	42
422	Three and four coordinate Fe carbodiphosphorane complexes. Dalton Transactions, 2016, 45, 16820-16825.	1.6	25
423	Sterically Encumbered Tetraarylimidazolium Carbene Pd-PEPPSI Complexes: Highly Efficient Direct Arylation of Imidazoles with Aryl Bromides under Aerobic Conditions. Organometallics, 2016, 35, 2655-2663.	1.1	68
424	Synthesis, Structure and Catalytic Activity of NHCâ€“Ag^I Carboxylate Complexes. Chemistry - A European Journal, 2016, 22, 13320-13327.	1.7	31
425	Efficient synthesis of bulky N-Heterocyclic carbene ligands for coinage metal complexes. Journal of Organometallic Chemistry, 2016, 820, 1-7.	0.8	39
426	Stereodivergent Synthesis of Chromanones and Flavanones via Intramolecular Benzoin Reaction. Organic Letters, 2016, 18, 3980-3983.	2.4	28
427	N-Heterocyclic Carbeneâ€“Polyethylenimine Platinum Complexes with Potent in Vitro and in Vivo Antitumor Efficacy. Bioconjugate Chemistry, 2016, 27, 1942-1948.	1.8	34
428	Tunable Heterogeneous Catalysis: N-Heterocyclic Carbenes as Ligands for Supported Heterogeneous Ru/K-Al₂O₃ Catalysts To Tune Reactivity and Selectivity. Journal of the American Chemical Society, 2016, 138, 10718-10721.	6.6	131
429	N-Heterocyclic carbene phosphaketene adducts as precursors to carbeneâ€“phosphinidene adducts and a rearranged Ï€-system. Chemical Communications, 2016, 52, 11343-11346.	2.2	47
430	Advanced NMR Methods and DFT Calculations on the Regioselective Deprotonation and Functionalization of 1,1â€²-Methylenebis(3-methylimidazole-2-thione). European Journal of Inorganic Chemistry, 2016, 2016, 3756-3766.	1.0	5
431	Synthesis of Au^Iâ€•and Au^{III}â€Bis(NHC) Complexes: Ligand Influence on Oxidative Addition to Au^I Species. European Journal of Inorganic Chemistry, 2016, 2016, 4111-4122.	1.0	33
432	Activation of Câ€“F bonds in fluoroarenes by N-heterocyclic carbenes as an effective route to synthesize abnormal NHC complexes. Chemical Communications, 2016, 52, 10922-10925.	2.2	35

#	Article	IF	Citations
433	Expedient access to unsymmetrical triarylmethanes through N-heterocyclic carbene catalysed 1,6-conjugate addition of 2-naphthols to para-quinone methides. RSC Advances, 2016, 6, 77111-77115.	1.7	55
434	(Î·4-Butadiene)Sn(0) Complexes: A New Approach for Zero-Valent p-Block Elements Utilizing a Butadiene as a 4Ï€-Electron Donor. Journal of the American Chemical Society, 2016, 138, 11378-11382.	6.6	54
435	Picolyl Functionalised ChelatingN-Heterocyclic Carbene Palladium Complexes: Synthesis and Catalytic Activity towards Suzuki Cross-coupling in Water. ChemistrySelect, 2016, 1, 680-684.	0.7	7
436	Nâ€Heterocyclic carbenes for metalâ€free polymerization catalysis: an update. Polymer International, 2016, 65, 16-27.	1.6	55
437	Generation of N-Heterocycles via Tandem Reactions ofNâ€‰â€²-(2-Alkynylbenzylidene)hydrazides. Chemical Record, 2016, 16, 19-34.	2.9	36
438	N-Heterocyclic Carbenes in Asymmetric Hydrogenation. ACS Catalysis, 2016, 6, 5978-5988.	5.5	166
439	Well-defined coinage metal transfer agents for the synthesis of NHC-based nickel, rhodium and palladium macrocycles. Dalton Transactions, 2016, 45, 8937-8944.	1.6	43
440	Cyclometalated Palladium(II) Nâ€Heterocyclic Carbene Complexes: Anticancer Agents for Potent Inâ€…Vitro Cytotoxicity and Inâ€…Vivo Tumor Growth Suppression. Angewandte Chemie - International Edition, 2016, 55, 11935-11939.	7.2	100
441	Chemo- and Diastereoselective N-Heterocyclic Carbene-Catalyzed Cross-Benzoin Reactions Using N-Boc-Î±-amino Aldehydes. Organic Letters, 2016, 18, 4518-4521.	2.4	36
442	DMAP-promoted in situ activation of bromoacetic acid as a 2-carbon synthon for facile synthesis of pyridines and fused pyridin-2-ones. Tetrahedron, 2016, 72, 6510-6517.	1.0	11
443	Coordination chemistry of a calix[4]arene-based NHC ligand: dinuclear complexes and comparison to IⁱPr₂Me₂. Dalton Transactions, 2016, 45, 8945-8955.	1.6	7
444	On Route to C⁴/C⁵ Pâ€Bifunctional 1,3â€Thiazoleâ€Based Carbenes. European Journal of Inorganic Chemistry, 2016, 2016, 5265-5270.	1.0	2
445	A New Supporting Ligand in Actinide Chemistry Leads to Reactive Bis(NHC)borate-Supported Thorium Complexes. Organometallics, 2016, 35, 2915-2922.	1.1	61
449	Polystyrene-resin supported N-heterocyclic carbene-Pd(II) complex based on plant-derived theophylline: A reusable and effective catalyst for the Suzuki-Miyaura cross-coupling reaction of arenediazonium tetrafluoroborate salts with arylboronic acids. Journal of Organometallic Chemistry, 2016, 822, 62-66.	0.8	30
450	Annulation of o-Quinodimethanes through N-Heterocyclic Carbene Catalysis for the Synthesis of 1-Isochromanones. Organic Letters, 2016, 18, 4444-4447.	2.4	52
451	Rhodium(III)-Catalyzed Nonaromatic sp² Câ€“H Activation/Annulation Using NHC as a Directing and Functionalizable Group. Organometallics, 2016, 35, 3007-3013.	1.1	26
452	N-Heterocyclic carbene copper(<scp>i</scp>) complex-catalyzed synthesis of 2-aryl benzoxazoles and benzothiazoles. RSC Advances, 2016, 6, 82401-82408.	1.7	40
453	Surface modification of polyhedral nanocrystalline MgO with imidazolium carboxylates for dehydration reactions: a new approach. RSC Advances, 2016, 6, 82591-82595.	1.7	17

#	Article	IF	Citations
454	Alcoholâ€Induced Câ€“N Bond Cleavage of Cyclometalated Nâ€Heterocyclic Carbene Ligands with a Methyleneâ€Linked Pendant Imidazolium Ring. Chemistry - A European Journal, 2016, 22, 12138-12144.	1.7	11
455	Bonding and Catalytic Application of Ruthenium N-Heterocyclic Carbene Complexes Featuring Triazole, Triazolylidene, and Imidazolylidene Ligands. Organometallics, 2016, 35, 2980-2986.	1.1	46
456	Nâ€Heterocyclic Carbene/Potassium Ion Cooperatively Catalyzed Phenylation Reactions of Î±,Î²â€Unsaturated Acylazoliums. European Journal of Organic Chemistry, 2016, 2016, 4569-4576.	1.2	8
457	Osmium(II) Complexes Bearing Chelating N-Heterocyclic Carbene and Pyrene-Modified Ligands: Surface Electrochemistry and Electron Transfer Mediation of Oxygen Reduction by Multicopper Enzymes. Organometallics, 2016, 35, 2987-2992.	1.1	22
458	Enantioselective (4+2) Annulation of Donorâ€“Acceptor Cyclobutanes by Nâ€Heterocyclic Carbene Catalysis. Angewandte Chemie - International Edition, 2016, 55, 16136-16140.	7.2	50
459	Substrate-Controlled Diastereoselectivity Reversal in NHC-Catalyzed Cross-Benzoin Reactions Using N-Boc-N-Bn-Protected Î±-Amino Aldehydes. Journal of Organic Chemistry, 2016, 81, 12075-12083.	1.7	24
460	Matrix Isolation Infrared and Ab Initio Study of the Interaction of N-Heterocyclic Carbene with Water and Methanol: A Case Study of a Strong Hydrogen Bond. Journal of Physical Chemistry A, 2016, 120, 9390-9400.	1.1	15
461	Molecular Engineering of Iridium Blue Emitters Using Aryl N-Heterocyclic Carbene Ligands. European Journal of Inorganic Chemistry, 2016, 2016, 5089-5097.	1.0	19
462	A Sterically Encumbered 13/15 Cycle and its Cleavage with Nâ€heterocyclic Carbenes and other Lewis Bases. Zeitschrift Fur Anorganische Und Allgemeine Chemie, 2016, 642, 1275-1281.	0.6	11
463	Synthesis and Reactivity of Bis(protic N-heterocyclic carbene)iridium(III) Complexes. Organometallics, 2016, 35, 3148-3153.	1.1	35
464	NHCâ€CAAC Heterodimers with Three Stable Oxidation States. Angewandte Chemie - International Edition, 2016, 55, 12886-12890.	7.2	68
465	Insights on the aromaticity of imidazolylidene carbenes by means of DFT calculations. Computational and Theoretical Chemistry, 2016, 1094, 108-113.	1.1	0
466	Highly Enantioselective Direct Synthesis of Endocyclic Vicinal Diamines through Chiral Ru(diamine)â€Catalyzed Hydrogenation of 2,2â€²â€Bisquinoline Derivatives. Angewandte Chemie, 2016, 128, 13083-13086.	1.6	17
467	Highly Enantioselective Direct Synthesis of Endocyclic Vicinal Diamines through Chiral Ru(diamine)â€Catalyzed Hydrogenation of 2,2â€²â€Bisquinoline Derivatives. Angewandte Chemie - International Edition, 2016, 55, 12891-12894.	7.2	59
468	All-carbon quaternary centers in natural products and medicinal chemistry: recent advances. Tetrahedron, 2016, 72, 6729-6777.	1.0	204
469	Monomeric Three-Coordinate N-Heterocyclic Carbene Nickel(I) Complexes: Synthesis, Structures, and Catalytic Applications in Cross-Coupling Reactions. Organometallics, 2016, 35, 3281-3287.	1.1	50
470	Palladium-catalyzed Asymmetric Allylic Alkylation UsingC₂-symmetric Chiral Bidentate Bis(N-heterocyclic carbene) Ligands with theo-Xylylene Framework. Chemistry Letters, 2016, 45, 798-800.	0.7	5
471	NHCâ€CAAC Heterodimers with Three Stable Oxidation States. Angewandte Chemie, 2016, 128, 13078-13082.	1.6	23

#	Article	IF	Citations
472	1-Substituted-imidazo[1,5-a]pyridin-3-ylidenes as Highly Efficient Ligands for Rh- and Ir-catalyzed Transfer Hydrogenation of Carbonyl Compounds. Chemistry Letters, 2016, 45, 1327-1329.	0.7	15
473	Amidinatogermylene Metal Complexes as Homogeneous Catalysts in Alcoholic Media. Organometallics, 2016, 35, 2516-2523.	1.1	63
474	NHC-Catalyzed Enantioselective Dearomatizing Hydroacylation of Benzofurans and Benzothiophenes for the Synthesis of Spirocycles. ACS Catalysis, 2016, 6, 5735-5739.	5.5	70
475	Active and Recyclable Polyethyleneâ€Supported Iridiumâ€(Nâ€•Heterocyclic Carbene) Catalyst for Hydrogen/Deuterium Exchange Reactions. Advanced Synthesis and Catalysis, 2016, 358, 2317-2323.	2.1	10
476	Boronâ€Centered Scorpionateâ€Type NHCâ€Based Ligands and Their Metal Complexes. European Journal of Inorganic Chemistry, 2016, 2016, 2312-2331.	1.0	32
477	Quantitative Index of the Relative Ease of Formation and Ïƒ-Bonding Strength of N-Heterocyclic Carbenes. Journal of Organic Chemistry, 2016, 81, 10295-10301.	1.7	17
478	Novel (â˜…)â€Î²â€Pineneâ€Derived Triazolium Salts: Synthesis and Application in the Asymmetric Stetter Reaction. ChemCatChem, 2016, 8, 2599-2603.	1.8	13
479	Chelating N-heterocyclic carbeneâ€“carboranes offer flexible ligand coordination to IrIII, RhIII and RuII: effect of ligand cyclometallation in catalytic transfer hydrogenation. Dalton Transactions, 2016, 45, 15818-15827.	1.6	25
480	(IPr)CuF-catalyzed Î±-site regiocontrolled trans-hydrofluorination of ynamides. Organic and Biomolecular Chemistry, 2016, 14, 7746-7753.	1.5	33
481	Thiamineâ€Diphosphateâ€Dependent Enzymes as Catalytic Tools for the Asymmetric Benzoinâ€Type Reaction. European Journal of Organic Chemistry, 2016, 2016, 4441-4459.	1.2	29
482	Fe N-Heterocyclic Carbene Complexes as Promising Photosensitizers. Accounts of Chemical Research, 2016, 49, 1477-1485.	7.6	197
483	N,Nâ€²-Diamidocarbenes: Isolable Divalent Carbons with Bona Fide Carbene Reactivity. Accounts of Chemical Research, 2016, 49, 1458-1468.	7.6	109
484	N-Heterocyclic Carbene Ligands for Au Nanocrystal Stabilization and Three-Dimensional Self-Assembly. Langmuir, 2016, 32, 7683-7696.	1.6	56
485	Nâ€Heterocyclic Olefins as Robust Organocatalyst for the Chemical Conversion of Carbon Dioxide to Valueâ€Added Chemicals. ChemSusChem, 2016, 9, 1980-1985.	3.6	118
486	Influence of the N-Substituents on the Nucleophilicity and Lewis Basicity of N-Heterocyclic Carbenes. Organic Letters, 2016, 18, 3566-3569.	2.4	69
487	A molecular mechanical model for N-heterocyclic carbenes. Physical Chemistry Chemical Physics, 2016, 18, 22070-22080.	1.3	6
488	Carbon-based two electron Ïƒ-donor ligands beyond classical N-heterocyclic carbenes. Dalton Transactions, 2016, 45, 16081-16095.	1.6	99
489	Chiral Ligand-Modified Metal Nanoparticles as Unique Catalysts for Asymmetric Câ€“C Bond-Forming Reactions: How Are Active Species Generated?. ACS Catalysis, 2016, 6, 7979-7988.	5.5	59

#	Article	IF	Citations
490	Efficient microwave-assisted synthesis of hydroxymethyl ketones using NHC organocatalysts. Tetrahedron, 2016, 72, 7628-7632.	1.0	5
491	Aza-Moritaâ€“Baylisâ€“Hillman reactions catalyzed by a cyclopropenylidene. Chemical Communications, 2016, 52, 12980-12983.	2.2	16
492	A Dinuclear Gold(I) Bis(Carbene) Complex Based on a Ditopic Cyclic (Aryl)(Amino)Carbene Framework. Zeitschrift Fur Anorganische Und Allgemeine Chemie, 2016, 642, 1320-1328.	0.6	10
493	Tail-to-tail dimerization and Rauhut-Currier reaction of disubstituted Michael acceptors catalyzed by N-heterocyclic carbene. Tetrahedron Letters, 2016, 57, 5707-5711.	0.7	17
494	Nâ€Heterocyclic Carbene Catalyzed Î³â€Dihalomethylenation of Enals by Singleâ€Electron Transfer. Angewandte Chemie - International Edition, 2016, 55, 15783-15786.	7.2	114
495	Mechanism and Stereoselectivity in an Asymmetric N-Heterocyclic Carbene-Catalyzed Carbonâ€“Carbon Bond Activation Reaction. Organic Letters, 2016, 18, 5932-5935.	2.4	27
496	Nâ€Heterocyclic Carbene (NHC) Adducts of [(C₅H₅)₂Mn] Revisited: Nothing More, Nothing Less than Highâ€Spin (S = 5/2) Molecules!. Zeitschrift Fur Anorganische Und Allgemeine Chemie, 2016, 642, 1259-1263.	0.6	7
497	Reaction of N-heterocyclic carbene (NHC) with different HF sources and ratios â€“ A free fluoride reagent based on imidazolium fluoride. Journal of Fluorine Chemistry, 2016, 192, 141-146.	0.9	21
498	Solvent-Free Benzoin and Stetter Reactions with a Small Amount of NHC Catalyst in the Liquid or Semisolid State. Organic Letters, 2016, 18, 5764-5767.	2.4	36
499	Exposing the Dynamics and Energetics of the N-Heterocyclic Carbeneâ€“Nanocrystal Interface. Journal of the American Chemical Society, 2016, 138, 14844-14847.	6.6	34
500	Mechanism of Nickel-Catalyzed Selective Câ€“N Bond Activation in Suzuki-Miyaura Cross-Coupling of Amides: A Theoretical Investigation. Journal of Organic Chemistry, 2016, 81, 11686-11696.	1.7	55
501	Isolation and Reactivity of a Frustrated Nâ€Heterocyclic Carbeneâ€Borane. Zeitschrift Fur Anorganische Und Allgemeine Chemie, 2016, 642, 1295-1303.	0.6	16
502	Mechanistic insight into the pyridine enhanced Î±-selectivity in alkyne hydrothiolation catalysed by quinolinolateâ€“rhodium(<scp>i</scp>)â€“N-heterocyclic carbene complexes. Catalysis Science and Technology, 2016, 6, 8548-8561.	2.1	24
503			

#	Article	IF	Citations
508	Synthesis, characterization, and gas-phase fragmentation of rheniumâ€“carbonyl complexes bearing imidazol(in)ium-2-dithiocarboxylate ligands. Dalton Transactions, 2016, 45, 18346-18355.	1.6	17
509	Aluminum Hydrides Stabilized by Nâ€Heterocyclic Imines as Catalysts for Hydroborations with Pinacolborane. Zeitschrift Fur Anorganische Und Allgemeine Chemie, 2016, 642, 1245-1250.	0.6	70
510	Investigation of the Catalytic Activity of a 2â€Phenylidenepyridine Palladium(II) Complex Bearing 4,5â€Dicyanoâ€1,3â€bis(mesityl)imidazolâ€2â€ylidene in the Mizorokiâ€Heck Reaction. Zeitschrift Fur Anorganische Und Allgemeine Chemie, 2016, 642, 140-147.	0.6	15
511	A Triatomic Silicon(0) Cluster Stabilized by a Cyclic Alkyl(amino) Carbene. Angewandte Chemie, 2016, 128, 3210-3213.	1.6	25
512	Selective Formation of cisâ€Nâ€Heterocyclic Carbeneâ€PtIIâ€Pnictogen Complexes and in vitro Evaluation of Their Cytotoxic Activities toward Cancer Cells. European Journal of Inorganic Chemistry, 2016, 2016, 2828-2836.	1.0	20
513	Catalysts Containing the Adamantane Scaffold. Advanced Synthesis and Catalysis, 2016, 358, 675-700.	2.1	61
514	Direct Nâ€Acylation of Sulfoximines with Aldehydes by Nâ€Heterocyclic Carbene Catalysis under Oxidative Conditions. Asian Journal of Organic Chemistry, 2016, 5, 870-873.	1.3	24
515	[Cu(NHC)]â€Catalyzed Câ^'H Allylation and Alkenylation of both Electronâ€Deficient and Electronâ€Rich (Hetero)arenes with Allyl Halides. Angewandte Chemie, 2016, 128, 1908-1912.	1.6	17
516	Nâ€Heterocyclic Carbene Catalyzed Dynamic Kinetic Resolution of Pyranones. Angewandte Chemie - International Edition, 2016, 55, 1820-1824.	7.2	117
517	Nâ€Heterocyclic Carbenes as Promotors for the Rearrangement of Phosphaketenes to Phosphaheteroallenes: A Case Study for OCP to OPC Constitutional Isomerism. Angewandte Chemie - International Edition, 2016, 55, 6018-6022.	7.2	70
518	Compounds with Lowâ€Valent pâ€Block Elements for Small Molecule Activation and Catalysis. ChemCatChem, 2016, 8, 486-501.	1.8	177
519	Mg-NHC complex on the surface of nanomagnesium oxide for catalytic application. Catalysis Communications, 2016, 84, 89-92.	1.6	18
520	Synthesis of new benzimidazolium salts and their application in the asymmetric arylation of aldehydes. Tetrahedron Letters, 2016, 57, 3152-3155.	0.7	15
521	Adamantylated trisimidazolium-based tritopic guests and their binding properties towards cucurbit[7]uril and Î²-cyclodextrin. Journal of Inclusion Phenomena and Macrocyclic Chemistry, 2016, 84, 11-20.	0.9	6
522	Visible Light Photocatalysis: Applications and New Disconnections in the Synthesis of Pharmaceutical Agents. Organic Process Research and Development, 2016, 20, 1134-1147.	1.3	293
523	Organocatalytic and Chemoselective Polymerization of Multivinyl-Functionalized Î³-Butyrolactones. ACS Macro Letters, 2016, 5, 772-776.	2.3	31
524	Dynamic Kinetic Resolution Enabled by Intramolecular Benzoin Reaction: Synthetic Applications and Mechanistic Insights. Journal of the American Chemical Society, 2016, 138, 7932-7938.	6.6	51
525	Cooperative N-Heterocyclic Carbene/Palladium-Catalyzed Enantioselective Umpolung Annulations. Journal of the American Chemical Society, 2016, 138, 7840-7843.	6.6	295

#	Article	IF	Citations
526	N-Heterocyclic carbene-mediated redox condensation of alcohols. Chemical Communications, 2016, 52, 8569-8572.	2.2	15
527	Access to P-Stereogenic Phosphinates via N-Heterocyclic Carbene-Catalyzed Desymmetrization of Bisphenols. Journal of the American Chemical Society, 2016, 138, 7524-7527.	6.6	114
528	Enantioselective N-heterocyclic carbene-catalyzed synthesis of saccharine-derived dihydropyridinones with cis-selectivity. Organic and Biomolecular Chemistry, 2016, 14, 6422-6425.	1.5	27
529	Nickel-Catalyzed Suzuki Polycondensation for Controlled Synthesis of Ester-Functionalized Conjugated Polymers. Macromolecules, 2016, 49, 4757-4762.	2.2	46
530	N-Heterocyclic Carbene/Lewis Acid Catalyzed Enantioselective Aerobic Annulation of Î±,Î²-Unsaturated Aldehydes with 1,3-Dicarbonyl Compounds. Journal of Organic Chemistry, 2016, 81, 6136-6141.	1.7	36
531	Electronic and chiroptical properties of chiral cycloiridiated complexes bearing helicenic NHC ligands. Chemical Communications, 2016, 52, 9243-9246.	2.2	30
532	Magnetically recoverable catalysts based on mono- or bis-(NHC) complexes of palladium for the Suzukiâ€“Miyaura reaction in aqueous media: two NHCâ€“Pd linkages are better than one. Dalton Transactions, 2016, 45, 11633-11638.	1.6	18
533	Azolium and acetate ions in DMF: Formation of free N-heterocyclic carbene. A voltammetric analysis. Electrochemistry Communications, 2016, 67, 55-58.	2.3	6
534	Transformation of NHCÂ·BEt3 into AgClÂ·NHC: Efficiently preparative method for earlyâ€“late heterobimetallic complexes using indenyl-functionalized N-heterocyclic carbene as a bridging ligand. Inorganica Chimica Acta, 2016, 448, 1-6.	1.2	8
535	Organocatalysis by site-isolated N-heterocyclic carbenes doped into the UIO-67 framework. Polyhedron, 2016, 114, 422-427.	1.0	11
536	Synthesis and characterisation of an N-heterocyclic carbene with spatially-defined steric impact. Dalton Transactions, 2016, 45, 11772-11780.	1.6	36
537	Platinum(<scp>iv</scp>) N-heterocyclic carbene complexes: their synthesis, characterisation and cytotoxic activity. Dalton Transactions, 2016, 45, 11362-11368.	1.6	19
538	Carbene-catalyzed desymmetrization of 1,3-diols: access to optically enriched tertiary alkyl chlorides. Chemical Communications, 2016, 52, 8313-8316.	2.2	34
539	Synthesis of Hemilabile Cyclic (Alkyl)(amino)carbenes (CAACs) and Applications in Organometallic Chemistry. Journal of the American Chemical Society, 2016, 138, 7884-7887.	6.6	116
541	Synthetic Bioinorganic Chemistry: Scorpionates Turn 50. Structure and Bonding, 2016, , 139-157.	1.0	4
542	A Triatomic Silicon(0) Cluster Stabilized by a Cyclic Alkyl(amino) Carbene. Angewandte Chemie - International Edition, 2016, 55, 3158-3161.	7.2	54
543	Formation of Nâ€Heterocyclic Carbenes by Tautomerization of Mesomeric Betaines: Cyclic Boron Adducts and Palladium Complexes From 2â€(Imidazoliumâ€1â€yl)phenolates. Chemistry - A European Journal, 2016, 22, 5416-5424.	1.7	31
544	Continuousâ€Flow Nâ€Heterocyclic Carbene Generation and Organocatalysis. Chemistry - A European Journal, 2016, 22, 4508-4514.	1.7	22

#	Article	IF	Citations
545	Unusual NHCâ€“Iridium(I) Complexes and Their Use in the Intramolecular Hydroamination of Unactivated Aminoalkenes. Chemistry - A European Journal, 2016, 22, 6939-6946.	1.7	45
546	Poly(benzyl ether) Dendrimers Functionalized at the Core with Palladium Bis(N-Heterocyclic) Tj ETQq1 1 0.784314 rgBT /Overl 1304-1314.	1.9	10
547	1,4-Bis-Dipp/Mes-1,2,4-Triazolylidenes: Carbene Catalysts That Efficiently Overcome Steric Hindrance in the Redox Esterification of Î±- and Î²-Substituted Î±,Î²-Enals. Journal of the American Chemical Society, 2016, 138, 2670-2677.	6.6	50
548	Donorâ€“acceptor bonding in novel low-coordinated compounds of boron and group-14 atoms Câ€“Sn. Chemical Society Reviews, 2016, 45, 1129-1144.	18.7	162
549	Transfer hydrogenation with abnormal dicarbene rhodium(<scp>iii</scp>) complexes containing ancillary and modular poly-pyridine ligands. Dalton Transactions, 2016, 45, 4570-4579.	1.6	13
550	Proton-Transfer Polymerization by N-Heterocyclic Carbenes: Monomer and Catalyst Scopes and Mechanism for Converting Dimethacrylates into Unsaturated Polyesters. Journal of the American Chemical Society, 2016, 138, 2021-2035.	6.6	51
551	Preparation of Rhodium(III) Di-NHC Chelate Complexes Featuring Two Different NHC Donors via a Mild NaOAc-Assisted Câ€“H Activation. Organometallics, 2016, 35, 410-419.	1.1	29
552	Post-functionalization of platinumâ€“NHC complexes by oxime ligation for ligand targeted therapy. New Journal of Chemistry, 2016, 40, 3164-3171.	1.4	20
553	Structural diversity of phenoxy functionalized triazol-5-ylidene palladium(II) complexes and their application in Câ€“N bond formation. Journal of Organometallic Chemistry, 2016, 803, 142-149.	0.8	31
554	Î±-Fluoroallenoate Synthesis via N-Heterocyclic Carbene-Catalyzed Fluorination Reaction of Alkynals. Organic Letters, 2016, 18, 576-579.	2.4	31
555	Synthesis, characterization, and electronic structures of a methyl germyliumylidene ion and germylone-group VI metal complexes. Chemical Communications, 2016, 52, 613-616.	2.2	36
556	Stable luminescent iridium(<scp>iii</scp>) complexes with bis(N-heterocyclic carbene) ligands: photo-stability, excited state properties, visible-light-driven radical cyclization and CO₂ reduction, and cellular imaging. Chemical Science, 2016, 7, 3123-3136.	3.7	107
557	N-Heterocyclic carbene catalyzed dehydrogenative coupling of enals: synthesis of monobactams. Organic Chemistry Frontiers, 2016, 3, 335-338.	2.3	12
558	NHC-based pincer ligands: carbenes with a bite. Dalton Transactions, 2016, 45, 1299-1305.	1.6	119
559	Theoretical Insights on the Interaction of N-Heterocyclic Carbenes with Tetravalent Silicon Reagents. Journal of Physical Chemistry A, 2016, 120, 128-138.	1.1	14
560	Human colon cancer targeted pro-apoptotic, anti-metastatic and cytostatic effects of binuclear Silver(I)â€“ N -Heterocyclic carbene (NHC) complexes. European Journal of Medicinal Chemistry, 2016, 108, 177-187.	2.6	55
561	25 years of N-heterocyclic carbenes: activation of both main-group elementâ€“element bonds and NHCs themselves. Dalton Transactions, 2016, 45, 5880-5895.	1.6	138
562	Synthesis, structure, and reactions of a copperâ€“sulfido cluster comprised of the parent Cu₂S unit: {(NHC)Cu}₂(Î¼-S). Chemical Science, 2016, 7, 589-595.	3.7	37

#	Article	IF	Citations
563	N-Heterocyclic Carbene (NHC)-Catalyzed sp³ Î²-Câ€“H Activation of Saturated Carbonyl Compounds: Mechanism, Role of NHC, and Origin of Stereoselectivity. ACS Catalysis, 2016, 6, 279-289.	5.5	99
564	A Recyclable, Immobilized Analogue of Benzotetramisole for Catalytic Enantioselective Domino Michael Addition/Cyclization Reactions in Batch and Flow. ACS Catalysis, 2016, 6, 348-356.	5.5	93
565	Enhancing the hydrogen transfer catalytic activity of hybrid carbon nanotube-based NHCâ€“iridium catalysts by increasing the oxidation degree of the nanosupport. Catalysis Science and Technology, 2016, 6, 5504-5514.	2.1	20
566	Cyclopentadienyl nickel(<scp>ii</scp>) N,C-chelating benzothiazolyl NHC complexes: synthesis, characterization and application in catalytic Câ€“C bond formation reactions. Dalton Transactions, 2016, 45, 7312-7319.	1.6	15
567	Double hydrophosphination of alkynes promoted by rhodium: the key role of an N-heterocyclic carbene ligand. Chemical Communications, 2016, 52, 5554-5557.	2.2	48
568	Tandem Suzukiâ€“Miyaura/transfer hydrogenation reaction catalyzed by a Pdâ€“Ru complex bearing an anionic dicarbene. Journal of Catalysis, 2016, 338, 222-226.	3.1	28
569	A cyclic (alkyl)(amido)carbene: synthesis, study and utility as a desulfurization reagent. Chemical Communications, 2016, 52, 5447-5450.	2.2	37
570	Heterobimetallic Pdâ€“K carbene complexes via one-electron reductions of palladium radical carbenes. Chemical Science, 2016, 7, 4444-4452.	3.7	26
571	Tip-induced gating of molecular levels in carbene-based junctions. Nanotechnology, 2016, 27, 125702.	1.3	13
572	Ketoâ€“Enol Thermodynamics of Breslow Intermediates. Journal of the American Chemical Society, 2016, 138, 5044-5051.	6.6	47
573	Synthesis of inexpensive chiral half-sandwich nickel N-heterocyclic carbene complexes: X-ray diffraction study of the D-menthyl-functionalized complex [Ni(iPr 2 Ph-NHC-CH 2 OMent)ClCp]. Journal of Organometallic Chemistry, 2016, 808, 57-62.	0.8	13
574	Chelate Palladium(II) Complexes with Saturated N-Phosphanyl-N-Heterocyclic Carbene Ligands: Synthesis and Catalysis. Organometallics, 2016, 35, 762-770.	1.1	30
575	Formal [3 + 3] annulation of isatin-derived 2-bromoenals with 1,3-dicarbonyl compounds enabled by Lewis acid/N-heterocyclic carbene cooperative catalysis. RSC Advances, 2016, 6, 18601-18606.	1.7	41
576	N-Heterocyclic carbene catalysed 1,6-hydrophosphonylation of p-quinone methides and fuchsones: an atom economical route to unsymmetrical diaryl- and triarylmethyl phosphonates. Organic and Biomolecular Chemistry, 2016, 14, 5550-5554.	1.5	70
577	Novel Di- and Trinuclear Palladium Complexes Supported by N,Nâ€²-Diphosphanyl NHC Ligands and N,Nâ€²-Diphosphanylimidazolium Palladium, Gold, and Mixed-Metal Copperâ€“Gold Complexes. Inorganic Chemistry, 2016, 55, 1219-1229.	1.9	32
578	Direct Measure of Metalâ€“Ligand Bonding Replacing the Tolman Electronic Parameter. Inorganic Chemistry, 2016, 55, 2332-2344.	1.9	85
579	Structurally versatile phosphine and amine donors constructed from N-heterocyclic olefin units. Dalton Transactions, 2016, 45, 9860-9870.	1.6	25
580	Anionic and zwitterionic carboranyl N-heterocyclic carbene Au(<scp>i</scp>) complexes. Dalton Transactions, 2016, 45, 9762-9765.	1.6	49

#	Article	IF	Citations
581	Transition metal (Rh and Fe) complexes and main-group (Se and B) adducts with N,Nâ€²-diphosphanyl NHC ligands: a study of stereoelectronic properties. Dalton Transactions, 2016, 45, 4771-4779.	1.6	15
582	Nucleophilicity of normal and abnormal N-heterocyclic carbenes at DFT: steric effects on tetrazole-5-ylidenes. RSC Advances, 2016, 6, 13224-13233.	1.7	16
583	Unusual dimer formation of cyclometalated ruthenium NHC p-cymene complexes. Dalton Transactions, 2016, 45, 3260-3263.	1.6	21
584	Organocatalytic Kinetic Resolution of Sulfoximines. Journal of the American Chemical Society, 2016, 138, 2166-2169.	6.6	123
585	Long-chain NHC-stabilized RuNPs as versatile catalysts for one-pot oxidation/hydrogenation reactions. Chemical Communications, 2016, 52, 4768-4771.	2.2	63
586	Enantioselective benzoin condensation catalyzed by spirocyclic terpene-based N-heterocyclic carbenes. Tetrahedron, 2016, 72, 1860-1867.	1.0	12
587	Synthesis, spectroscopic characterization and catalytic activity of platinum(II) carbene complexes. Inorganica Chimica Acta, 2016, 445, 129-133.	1.2	11
588	Update and challenges in organo-mediated polymerization reactions. Progress in Polymer Science, 2016, 56, 64-115.	11.8	289
589	Cyclic Alkyl(amino) Carbene Stabilized Complexes with Low Coordinate Metals of Enduring Nature. Accounts of Chemical Research, 2016, 49, 357-369.	7.6	226
590	Phosphinosilylenes as a novel ligand system for heterobimetallic complexes. Chemical Communications, 2016, 52, 5523-5526.	2.2	21
591	N-Trifluoromethyl NHC Ligands Provide Selective Ruthenium Metathesis Catalysts. Organometallics, 2016, 35, 887-893.	1.1	28
592	Re(I) NHC Complexes for Electrocatalytic Conversion of CO₂. Inorganic Chemistry, 2016, 55, 3136-3144.	1.9	77
593	Asymmetric Desymmetrization of 1,3-Diketones via Intramolecular Benzoin Reaction. Journal of Organic Chemistry, 2016, 81, 2763-2769.	1.7	36
594	Anionic N-heterocyclic carbenes: Synthesis, coordination chemistry and applications in homogeneous catalysis. Coordination Chemistry Reviews, 2016, 316, 68-124.	9.5	189
595	Estimation of Ïƒ-Donation and Ï€-Backdonation of Cyclic Alkyl(amino) Carbene-Containing Compounds. Inorganic Chemistry, 2016, 55, 163-169.	1.9	46
596	How Surfactants Control Crystal Growth of Nanomaterials. Crystal Growth and Design, 2016, 16, 1104-1133.	1.4	294
597	N-Heterocyclic carbene adducts to [Cpâ€²FeI]₂: synthesis and molecular and electronic structure. Inorganic Chemistry Frontiers, 2016, 3, 250-262.	3.0	20
598	Synthesis and Reactivity of Group 4 Metal Benzyl Complexes Supported by Carbazolide-Based PNP Pincer Ligands. Inorganic Chemistry, 2016, 55, 353-365.	1.9	33

#	Article	IF	Citations
599	N-Heterocyclic carbene-catalyzed [3 + 2] annulation of bromoenals with 3-aminooxindoles: highly enantioselective synthesis of spirocyclic oxindolo-Î³-lactams. Organic and Biomolecular Chemistry, 2016, 14, 2007-2014.	1.5	43
600	Nickel N-Heterocyclic Carbene-Catalyzed Câ€“Heteroatom Bond Formation, Reduction, and Oxidation: Reactions and Mechanistic Aspects. ACS Catalysis, 2016, 6, 890-906.	5.5	194
601	Photocatalytic Reduction of CO₂ with Re-Pyridyl-NHCs. Inorganic Chemistry, 2016, 55, 682-690.	1.9	88
602	N-heterocyclic carbene-catalysed Peterson olefination reaction. Tetrahedron, 2016, 72, 472-478.	1.0	18
603	Application of spectroscopic and theoretical methods in the studies of photoisomerization and photophysical properties of the pushâ€”pull styryl-benzimidazole dyes. Photochemical and Photobiological Sciences, 2016, 15, 117-128.	1.6	19
604	Highly Polarized Alkenes as Organocatalysts for the Polymerization of Lactones and Trimethylene Carbonate. ACS Macro Letters, 2016, 5, 134-138.	2.3	76
605	Asymmetric synthesis of cyclopentanes bearing four contiguous stereocenters via an NHC-catalyzed Michael/Michael/esterification domino reaction. Chemical Communications, 2016, 52, 2609-2611.	2.2	40
606	Ruthenium olefin metathesis catalysts featuring unsymmetrical N-heterocyclic carbenes. Dalton Transactions, 2016, 45, 561-571.	1.6	31
607	Structural motifs of Au(I)-Cu(I) N-heterocyclic carbene halide complexes. Journal of Coordination Chemistry, 2016, 69, 160-167.	0.8	14
608	London Dispersion Decisively Contributes to the Thermodynamic Stability of Bulky NHC-Coordinated Main Group Compounds. Journal of Chemical Theory and Computation, 2016, 12, 231-237.	2.3	74
609	N-Heterocyclic carbenes as supporting ligands in transition metal complexes of N₂. Dalton Transactions, 2016, 45, 874-880.	1.6	25
610	Silicon based radicals, radical ions, diradicals and diradicaloids. Chemical Society Reviews, 2016, 45, 1080-1111.	18.7	181
611	Even the normal is abnormal: N-heterocyclic carbene C² binding to a phosphaalkene without breaking the Pî€€ Ï€-bond. Chemical Communications, 2016, 52, 998-1001.	2.2	27
612	N-Heterocyclic carbene-catalyzed [4 + 2] annulation of Î±,Î²-unsaturated carboxylic acids: enantioselective synthesis of dihydropyridinones and spirocyclic oxindolodihydropyridinones. Organic Chemistry Frontiers, 2016, 3, 77-81.	2.3	64
613	Unveiling the peculiar hydrogen bonding behavior of solvated N-heterocyclic carbenes. Physical Chemistry Chemical Physics, 2016, 18, 126-140.	1.3	36
614	A structure/catalytic activity study of gold(<scp>i</scp>)â€“NHC complexes, as well as their recyclability and reusability, in the hydration of alkynes in aqueous medium. Catalysis Science and Technology, 2016, 6, 1921-1929.	2.1	26
615	Green synthesis of mono- and di-selenium-N-heterocyclic carbene adducts: Characterizations, crystal structures and pro-apoptotic activities against human colorectal cancer. Journal of Organometallic Chemistry, 2016, 801, 130-138.	0.8	25
616	From the parent phosphinideneâ€“carbene adduct NHCî€PH to cationic P4-rings and P2-cycloaddition products. Dalton Transactions, 2016, 45, 2044-2052.	1.6	35

#	Article	IF	Citations
617	Deep blue phosphorescent organic light-emitting diodes with very high brightness and efficiency. Nature Materials, 2016, 15, 92-98.	13.3	696
618	Carbene insertion into a Pâ€“H bond: parent phosphinideneâ€“carbene adducts from PH₃ and bis(phosphinidene)mercury complexes. Dalton Transactions, 2016, 45, 5999-6003.	1.6	58
619	Group 14 inorganic hydrocarbon analogues. Chemical Society Reviews, 2016, 45, 989-1003.	18.7	109
620	Palladium(<scp>ii</scp>) complexes with chelating N-phosphanyl acyclic diaminocarbenes: synthesis, characterization and catalytic performance in Suzuki couplings. Dalton Transactions, 2016, 45, 1967-1975.	1.6	18
621	Strategies for Tuning Emission Energy in Phosphorescent Ir(III) Complexes. Comments on Inorganic Chemistry, 2017, 37, 117-145.	3.0	24
622	Medicinal attributes of 1,2,3-triazoles: Current developments. Bioorganic Chemistry, 2017, 71, 30-54.	2.0	631
623	Synthesis and structural characterization of palladium(II) complexes of chiral bidentate N-heterocyclic carbene-quinoline ligands. Journal of Organometallic Chemistry, 2017, 832, 9-11.	0.8	7
624	Readily Accessible Unsymmetrical Unsaturated 2,6-Diisopropylphenyl N-Heterocyclic Carbene Ligands. Applications in Enantioselective Catalysis. Journal of Organic Chemistry, 2017, 82, 1880-1887.	1.7	45
625	Four-coordinate N-heterocyclic carbene (NHC) copper(I) complexes with brightly luminescence properties. Journal of Coordination Chemistry, 2017, 70, 584-599.	0.8	33
626	The Advantages of Cyclic Over Acyclic Carbenes To Access Isolable Captoâ€Dative Câ€Centered Radicals. Chemistry - A European Journal, 2017, 23, 6206-6212.	1.7	34
627	Palladium(II)/Nâ€Heterocyclic Carbeneâ€Catalyzed Regioselective Heteroannulation of Tertiary Propargyl Alcohols and oâ€Haloanilines to form 2â€Alkenylindoles. Advanced Synthesis and Catalysis, 2017, 359, 1144-1151.	2.1	26
628	A Bidentate Resorcinareneâ€Based Palladium Carbene Complex. European Journal of Inorganic Chemistry, 2017, 2017, 1923-1929.	1.0	5
629	Tunable Room-Temperature Synthesis of Coinage Metal Chalcogenide Nanocrystals from N-Heterocyclic Carbene Synthons. Chemistry of Materials, 2017, 29, 1396-1403.	3.2	31
630	Oxygen Atom Transfer Using an Iron(IV)â€Oxo Embedded in a Tetracyclic Nâ€Heterocyclic Carbene System: How Does the Reactivity Compare to Cytochrome P450 Compoundâ€…I?. Chemistry - A European Journal, 2017, 23, 2935-2944.	1.7	36
631	Sequential Addition of Phosphine to Alkynes for the Selective Synthesis of 1,2-Diphosphinoethanes under Catalysis. Well-Defined NHC-Copper Phosphides vs in Situ CuCl₂/NHC Catalyst. Organometallics, 2017, 36, 455-459.	1.1	35
632	Organonickel complexes encumbering bis-imidazolylidene carbene ligands: Synthesis, X-ray structure and catalytic insights on Buchwald-Hartwig amination reactions. Journal of Organometallic Chemistry, 2017, 831, 1-10.	0.8	19
633	Expeditious assembly of fused dihydropyranones via N-heterocyclic carbene-catalyzed tandem Michael addition/lactonization. Organic and Biomolecular Chemistry, 2017, 15, 1329-1333.	1.5	12
634	Imidazo[1,5-a]pyridin-3-ylidenes as Ï€-accepting carbene ligands: substituent effects on properties of N-heterocyclic carbenes. Organic and Biomolecular Chemistry, 2017, 15, 1810-1820.	1.5	39

#	Article	IF	Citations
635	A catalytic intramolecular nitrene insertion into a copper(i)â€“N-heterocyclic carbene bond yielding fused nitrogen heterocycles. Chemical Communications, 2017, 53, 2402-2405.	2.2	18
636	N-Heterocyclic carbene (NHC)-catalysed atom economical construction of 2,3-disubstituted indoles. Chemical Communications, 2017, 53, 3338-3341.	2.2	74
637	A mechanistic insight into the organocatalytic properties of imidazolium-based ionic liquids and a positive co-solvent effect on cellulose modification reactions in an ionic liquid. RSC Advances, 2017, 7, 9423-9430.	1.7	41
638	NHCâ€Mediated Synthesis of Pyrrolo[2,1â€a]isoquinolines and Their Photophysical Investigations. Chemistry - an Asian Journal, 2017, 12, 623-627.	1.7	26
639	Rutheniumâ€“NHCâ€“Diamine Catalyzed Enantioselective Hydrogenation of Isocoumarins. Journal of the American Chemical Society, 2017, 139, 2585-2588.	6.6	54
640	Bridged N-Heterocyclic/Mesoionic (NHC/MIC) Heterodicarbenes as Ligands for Transition Metal Complexes. Inorganic Chemistry, 2017, 56, 2092-2099.	1.9	36
641	Chrysin functionalized NHCâ€“Au(<scp>i</scp>) complexes: synthesis, characterization and effects on the nematode Caenorhabditis elegans. New Journal of Chemistry, 2017, 41, 2013-2019.	1.4	11
642	Organometallic Complexes for Non-Linear Optics. 59. Syntheses and Optical Properties of Some Octupolar (N-Heterocyclic Carbene)gold Complexes. Australian Journal of Chemistry, 2017, 70, 79.	0.5	3
643	Electronic Structure and Excitedâ€State Dynamics of an Arduengoâ€Type Carbene and its Imidazolone Oxidation Product. Chemistry - A European Journal, 2017, 23, 3084-3090.	1.7	6
644	PEPPSI-Type Palladium-NHC Complexes: Synthesis, Characterization, and Catalytic Activity in the Direct C5-Arylation of 2-Substituted Thiophene Derivatives with Aryl Halides. European Journal of Inorganic Chemistry, 2017, 2017, 1382-1391.	1.0	51
645	Immobilization of N-Heterocyclic Carbene Compounds: A Synthetic Perspective. Chemical Reviews, 2017, 117, 1970-2058.	23.0	212
646	Metal complexes with oxygen-functionalized NHC ligands: synthesis and applications. Chemical Society Reviews, 2017, 46, 632-733.	18.7	171
647	Small Molecule Activation with N,NRâ€MIC Platinum Complexes. Chemistry - A European Journal, 2017, 23, 5943-5947.	1.7	11
648	An Nâ€Heterocyclicâ€Carbeneâ€“Tetracyanoethylene Zwitterion: Experimental and Theoretical Study on Its Formation and Reactivity. European Journal of Organic Chemistry, 2017, 2017, 1231-1235.	1.2	8
649	Computational Approach to Nitrogen Fixation on Molybdenumâ€“Dinitrogen Complexes. Topics in Organometallic Chemistry, 2017, , 171-196.	0.7	7
650	Carbene-Catalyzed Reductive Coupling of Nitrobenzyl Bromide and Nitroalkene via the Single-Electron-Transfer (SET) Process and Formal 1,4-Addition. Organic Letters, 2017, 19, 632-635.	2.4	33
651	Mononuclear ruthenium compounds bearing N-donor and N-heterocyclic carbene ligands: structure and oxidative catalysis. Dalton Transactions, 2017, 46, 2829-2843.	1.6	6
652	N-Heterocyclic carbene stabilized parent sulfenyl, selenenyl, and tellurenyl cations (XH⁺,) Tj ETQq1 1 0.784314 rgBT /Ov	1.6	39

#	Article	IF	Citations
653	NHCâ€Organocatalyzed C_{Ar}â^'O Bond Cleavage: Mild Access to 2â€Hydroxybenzophenones. Angewandte Chemie - International Edition, 2017, 56, 6276-6279.	7.2	40
654	Turnâ€On Fluorescence in Tetraâ€NHC Ligands by Rigidification through Metal Complexation: An Alternative to Aggregationâ€Induced Emission. Angewandte Chemie - International Edition, 2017, 56, 2785-2789.	7.2	136
655	Nâ€Heterocyclicâ€Carbeneâ€Catalyzed Umpolung of Imines. Angewandte Chemie - International Edition, 2017, 56, 2730-2734.	7.2	85
656	On structure and stability of pyrimidine ylidenes and their homologues. Computational and Theoretical Chemistry, 2017, 1103, 83-91.	1.1	12
657	Synthesis and Reactivity of Intramolecularly NHC-Stabilized Germylenes and Stannylenes. Organometallics, 2017, 36, 1001-1008.	1.1	15
658	N-Heterocyclic Olefin Catalyzed Silylation and Hydrosilylation Reactions of Hydroxyl and Carbonyl Compounds. Organic Letters, 2017, 19, 1398-1401.	2.4	43
659	Self-assembly of dinuclear Pd(<scp>ii</scp>)/Pt(<scp>ii</scp>) metallacyclic receptors incorporating N-heterocyclic carbene complexes as corners. Dalton Transactions, 2017, 46, 4182-4190.	1.6	5
660	Synthesis of Esterâ€•and Phosphonateâ€Functionalized Au^Iâ€“Imidazolylidene Chlorides through the Isonitrile Route. Chemistry - A European Journal, 2017, 23, 5143-5147.	1.7	10
661	Silverâ€“Nâ€Heterocyclic Carbene Complexes: Synthesis, Characterization, and Antimicrobial Properties. Journal of the Chinese Chemical Society, 2017, 64, 420-426.	0.8	19
662	Palladiumâ€Catalyzed Oxidative Cascade Carbonylative Spirolactonization of Enallenols. Angewandte Chemie, 2017, 129, 3269-3273.	1.6	10
663	Palladiumâ€Catalyzed Oxidative Cascade Carbonylative Spirolactonization of Enallenols. Angewandte Chemie - International Edition, 2017, 56, 3221-3225.	7.2	40
664	NHCâ€Catalyzed Metathesis and Phosphorylation Reactions of Disulfides: Development and Mechanistic Insights. Chemistry - A European Journal, 2017, 23, 6259-6263.	1.7	22
665	Reactivity of heavy carbene analogues towards oxidants: a redox active ligand-enabled isolation of a paramagnetic stannylene. Chemical Communications, 2017, 53, 3090-3093.	2.2	23
666	Carbohydrateâ€“ N -heterocyclic carbene metal complexes: Synthesis, catalysis and biological studies. Coordination Chemistry Reviews, 2017, 339, 1-16.	9.5	64
667	New trends in the functionalization of metallic gold: from organosulfur ligands to N-heterocyclic carbenes. Chemical Society Reviews, 2017, 46, 2057-2075.	18.7	145
668	NHC adducts of tantalum amidohalides: the first example of NHC abnormally coordinated to an early transition metal. Dalton Transactions, 2017, 46, 4902-4906.	1.6	16
669	A Rh(II)-catalyzed multicomponent reaction by trapping an Î±-amino enol intermediate in a traditional two-component reaction pathway. Science Advances, 2017, 3, e1602467.	4.7	42
670	Einschaltbare Fluoreszenz in Tetraâ€NHCâ€Liganden durch Versteifung bei der Komplexbildung: eine Alternative zu aggregationsinduzierter Emission. Angewandte Chemie, 2017, 129, 2829-2833.	1.6	36

#	Article	IF	Citations
671	Nickel(II) Nâ€Heterocyclic Carbene Complexes: Versatile Catalysts for Câ€“C, Câ€“S and Câ€“N Coupling Reactions. European Journal of Inorganic Chemistry, 2017, 2017, 2547-2556.	1.0	26
672	On the Mechanism of the Oxidative Cleavage of Nâ€Heterocyclicâ€Carbeneâ€“Palladium Bonds with Iodine. European Journal of Inorganic Chemistry, 2017, 2017, 2058-2067.	1.0	10
673	N-Heterocyclic Carbene Catalysis via the Î±,Î²-Unsaturated Acyl Azolium. ACS Catalysis, 2017, 7, 2583-2596.	5.5	383
674	Nitrogen Lewis Acids. Journal of the American Chemical Society, 2017, 139, 4062-4067.	6.6	59
675	Recent Advances in Small Clusters and Polymetallic Assemblies Based on Transition Metals and Dithiocarboxylate Zwitterions Derived from N-Heterocyclic Carbenes. Journal of Cluster Science, 2017, 28, 667-678.	1.7	9
676	A Cationic N-Heterocyclic Carbene Containing an Ammonium Moiety. Organometallics, 2017, 36, 1049-1055.	1.1	35
677	Enantioselective synthesis of spiro Î³-butyrolactones by N-heterocyclic carbene (NHC)-catalyzed formal [3 + 2] annulation of enals with 3-hydroxy oxindoles. Organic and Biomolecular Chemistry, 2017, 15, 2013-2019.	1.5	37
678	Counter Anion Controlled Reactivity Switch in Transfer Hydrogenation: A Case Study between Ketones and Nitroarenes. ChemistrySelect, 2017, 2, 1705-1710.	0.7	14
679	Quantifying and understanding the steric properties of N-heterocyclic carbenes. Chemical Communications, 2017, 53, 2650-2660.	2.2	271
680	Chelated bis(NHC) complexes of saturated (imidazolin-2-ylidene) NHC ligands: structural authentication and facile ligand fragmentation. Dalton Transactions, 2017, 46, 3051-3058.	1.6	12
681	Small molecule activation: SbF3 auto-ionization supported by transfer and mesoionic NHC rearrangement. Dalton Transactions, 2017, 46, 3338-3346.	1.6	19
682	Synthesis, structures and photoluminescence properties of silver complexes of cyclic (alkyl)(amino)carbenes. Journal of Organometallic Chemistry, 2017, 847, 114-120.	0.8	26
683	Flexible Steric Bulky Bis(Imino)acenaphthene (BIAN)-Supported N-Heterocyclic Carbene Palladium Precatalysts: Catalytic Application in Buchwaldâ€“Hartwig Amination in Air. Journal of Organic Chemistry, 2017, 82, 2914-2925.	1.7	69
684	Magnetic Nanoparticle-Supported N-Heterocyclic Carbene-Palladium(II): A Convenient, Efficient and Recyclable Catalyst for Suzukiâ€“Miyaura Cross-Coupling Reactions. Catalysis Letters, 2017, 147, 900-918.	1.4	43
685	Mechanistic Studies on a Cooperative NHC Organocatalysis/Palladium Catalysis System: Uncovering Significant Lessons for Mixed Chiral Pd(NHC)(PR₃) Catalyst Design. Journal of the American Chemical Society, 2017, 139, 4443-4451.	6.6	171
686	Enantioselective [2+2] annulation of simple aldehydes with isatin-derived ketimines via oxidative N-heterocyclic carbene catalysis. Chemical Communications, 2017, 53, 3430-3433.	2.2	65
687	Squaramideâ€Catalyzed Asymmetric Reactions. Chemical Record, 2017, 17, 994-1018.	2.9	92
688	Synthesis, Structure, and Electrochemical Property of a Bimetallic Bis-2-pyridylidene Palladium Acetate Complex. Chemistry Letters, 2017, 46, 587-590.	0.7	13

#	Article	IF	Citations
689	Nâ€Heterocyclicâ€Carbeneâ€Catalyzed Umpolung of Imines. Angewandte Chemie, 2017, 129, 2774-2778.	1.6	25
690	Organocatalysis in Inert Câ€“H Bond Functionalization. Chemical Reviews, 2017, 117, 9433-9520.	23.0	578
691	Guidelines To Select the N-Heterocyclic Carbene for the Organopolymerization of Monomers with a Polar Group. Macromolecules, 2017, 50, 1394-1401.	2.2	21
692	General Method for the Suzukiâ€“Miyaura Cross-Coupling of Amides Using Commercially Available, Air- and Moisture-Stable Palladium/NHC (NHC = N-Heterocyclic Carbene) Complexes. ACS Catalysis, 2017, 7, 1960-1965.	5.5	160
693	Post-polymerization modification of unsaturated polyesters by Michael addition of N-heterocyclic carbenes. Polymer Journal, 2017, 49, 423-428.	1.3	6
694	Cyclische Alkylaminocarbene (CAACs): Neues von guten Bekannten. Angewandte Chemie, 2017, 129, 10180-10203.	1.6	219
695	Reversible dinitrogen binding to [Cpâ€²Fe(NHC)] associated with an N₂-induced spin state change. Chemical Communications, 2017, 53, 7274-7277.	2.2	16
696	Stabilisierung von hochoxidierten Upconversionâ€Nanopartikeln mit Nâ€heterocyclischen Carbenen. Angewandte Chemie, 2017, 129, 4421-4425.	1.6	12
697	N-Heterocyclic carbene-catalyzed stereoselective construction of olefinic carbonâ€“sulfur bonds via cross-coupling reaction of gem-difluoroalkenes and thiols. Organic and Biomolecular Chemistry, 2017, 15, 3863-3868.	1.5	42
698	Waterâ€Soluble Nâ€Heterocyclic Carbeneâ€Protected Gold Nanoparticles: Sizeâ€Controlled Synthesis, Stability, and Optical Properties. Angewandte Chemie - International Edition, 2017, 56, 6198-6202.	7.2	115
699	Influence of the Linker Length and Coordination Mode of (Di)Triazolylidene Ligands on the Structure and Catalytic Transfer Hydrogenation Activity of Iridium(III) Centers. Organometallics, 2017, 36, 1580-1590.	1.1	27
700	Nâ€Heterocyclic Carbene Catalyzed [4+2] Annulation of Enals via a Double Vinylogous Michael Addition: Asymmetric Synthesis of 3,5â€Diaryl Cyclohexenones. Angewandte Chemie - International Edition, 2017, 56, 6241-6245.	7.2	77
701	Nonâ€“symmetrically pâ€“nitrobenzylâ€“substituted Nâ€“heterocyclic carbeneâ€“silver(I) complexes as metallopharmaceutical agents. Applied Organometallic Chemistry, 2017, 31, e3819.	1.7	29
702	Synthesis of Dihydropyridinone-Fused Indoles and Î±-Carbolines via N-Heterocyclic Carbene-Catalyzed [3 + 3] Annulation of Indolin-2-imines and Bromoenals. Organic Letters, 2017, 19, 2286-2289.	2.4	61
703	Reaction of the Tricyanoborate Dianion [B(CN)3]2â€“with HgCl2. Inorganic Chemistry, 2017, 56, 5465-5470.	1.9	9
704	Synthesis of water-soluble palladium(<scp>ii</scp>) complexes with N-heterocyclic carbene chelate ligands and their use in the aerobic oxidation of 1-phenylethanol. Dalton Transactions, 2017, 46, 6785-6797.	1.6	20
705	(L)₂C₂P₂: Dicarbondiphosphide Stabilized by Nâ€Heterocyclic Carbenes or Cyclic Diamido Carbenes. Angewandte Chemie - International Edition, 2017, 56, 5744-5749.	7.2	102
706	From Imidazole toward Imidazolium Salts and N-Heterocyclic Carbene Ligands: Electronic and Geometrical Redistribution. ACS Omega, 2017, 2, 1392-1399.	1.6	26

#	Article	IF	Citations
707	New Pd-NHC PEPPSI complexes from benzimidazolium salts with a phenacyl group attached to N3. Inorganica Chimica Acta, 2017, 463, 97-101.	1.2	13
708	Waterâ€Soluble Nâ€Heterocyclic Carbeneâ€Protected Gold Nanoparticles: Sizeâ€Controlled Synthesis, Stability, and Optical Properties. Angewandte Chemie, 2017, 129, 6294-6298.	1.6	35
709	Polymerâ€Supported Palladium(II) Carbene Complexes: Catalytic Activity, Recyclability, and Selectivity in Câ^'H Acetoxylation of Arenes. Chemistry - A European Journal, 2017, 23, 8457-8465.	1.7	25
710	Platinum Complexes Bearing Bulky Nâ€Heterocyclic Carbene Ligands as Efficient Catalysts for the Fully Selective Dimerization of Terminal Alkynes. ChemCatChem, 2017, 9, 3627-3631.	1.8	30
711	Two-Step Mechanochemical Synthesis of Carbene Complexes of Palladium(II) and Platinum(II). Crystal Growth and Design, 2017, 17, 3151-3155.	1.4	19
712	Recent advances in N-heterocyclic carbene catalyzed achiral synthesis. Organic and Biomolecular Chemistry, 2017, 15, 4731-4749.	1.5	47
713	Trans-Metal-Trapping Meets Frustrated-Lewis-Pair Chemistry: Ga(CH₂SiMe₃)₃-Induced Câ€“H Functionalizations. Inorganic Chemistry, 2017, 56, 8615-8626.	1.9	28
714	Facile Phenylphosphinidene Transfer Reactions from Carbeneâ€“Phosphinidene Zinc Complexes. Angewandte Chemie - International Edition, 2017, 56, 7948-7951.	7.2	45
715	Synthesis, Structure and Antitumoural Activity of Triazoleâ€Functionalised NHCâ€“Metal Complexes. European Journal of Inorganic Chemistry, 2017, 2017, 2488-2495.	1.0	20
716	Carbenes as Electron-Pair Donors To CO₂ for CÂ·Â·Â·C Tetrel Bonds and Câ€“C Covalent Bonds. Journal of Physical Chemistry A, 2017, 121, 4039-4047.	1.1	48
717	Monitoring of nanoparticle reactivity in solution: interaction of <scp>l</scp>-lysine and Ru nanoparticles probed by chemical shift perturbation parallels regioselective H/D exchange. Chemical Communications, 2017, 53, 5850-5853.	2.2	36
718	Silyleneâ€“Nickel Promoted Cleavage of Bâ^'O Bonds: From Catechol Borane to the Hydroborylene Ligand. Angewandte Chemie - International Edition, 2017, 56, 7470-7474.	7.2	33
719	Waterâ€Soluble Iridium Nâ€Heterocyclic Carbene Complexes for the Alkylation of Amines with Alcohols. ChemCatChem, 2017, 9, 3912-3917.	1.8	29
720	Two synthetic routes to bis(1-methyl-imidazole-2-thione)methane and bis(1-benzyl-imidazole-2-thione)methane complexes including sulfur atom insertion into copperâ^'NHC bonds. Journal of Organometallic Chemistry, 2017, 847, 224-233.	0.8	10
721	Tuning the Catalyst Reactivity of Imidazolylidene Catalysts through Substituent Effects on the N-Aryl Groups. Organic Letters, 2017, 19, 2750-2753.	2.4	17
722	N-Heterocyclic Carbene-Catalyzed Aldol-Lactonization of Ketoacids via Dynamic Kinetic Resolution. ACS Catalysis, 2017, 7, 3995-3999.	5.5	36
723	Access to dihydropyridinones and spirooxindoles: application of N-heterocyclic carbene-catalyzed [3+3] annulation of enals and oxindole-derived enals with 2-aminoacrylates. Chemical Communications, 2017, 53, 5985-5988.	2.2	50
724	Synthesis of Imidazolium Oligomers with Planar and Stereo Cores and Their Antimicrobial Applications. ChemMedChem, 2017, 12, 835-840.	1.6	10

#	Article	IF	Citations
725	Reactions of Platinum Carbonyl Chini Clusters with Ag(NHC)Cl Complexes: Formation of Acidâ€“Base Lewis Adducts and Heteroleptic Clusters. Inorganic Chemistry, 2017, 56, 6532-6544.	1.9	16
726	Synthesis of Complexes with Protic NH,NR-NHC Ligands by Oxidative Addition ofN-Alkyl-2-iodoimidazoles to [M(PPh3)4] (M = Pd, Pt) Complexes. European Journal of Inorganic Chemistry, 2017, 2017, 2774-2781.	1.0	9
727	Steroidâ€“Au^Iâ€“NHC Complexes: Synthesis and Antibacterial Activity. ChemMedChem, 2017, 12, 841-844.	1.6	31
728	Metalâ€Free Amineâ€Mediated Oxidative Synthesis of Polysubstituted Imidazoles from Aryl Methyl Ketones, Ammonium Iodide or Benzylamine, and Hydrogen Peroxide. Asian Journal of Organic Chemistry, 2017, 6, 1104-1109.	1.3	6
729	Novel NHC Precursors: Synthesis, Characterization, and Carbonic Anhydrase and Acetylcholinesterase Inhibitory Properties. Archiv Der Pharmazie, 2017, 350, e201700045.	2.1	75
730	Asymmetric cross-benzoin condensation promoted by a chiral triazolium precatalyst bearing a pyridine moiety. Tetrahedron, 2017, 73, 3430-3437.	1.0	13
731	Organocatalytic Coupling of Bromo-Lactide with Cyclic Ethers and Carbonates to Chiral Bromo-Diesters: NHC or Anion Catalysis?. ACS Catalysis, 2017, 7, 3929-3933.	5.5	4
732	A Stable Silylene with a Ïƒ², Ï€- Butadiene Ligand. Journal of the American Chemical Society, 2017, 139, 7117-7123.	6.6	44
733	NHCâ€organokatalysierte C_{Ar}â€“Oâ€Bindungsspaltung: milder Zugang zu 2â€Hydroxybenzophenonen. Angewandte Chemie, 2017, 129, 6373-6376.	1.6	10
734	Synthesis of benzothiazoles from 2-aminobenzenethiols in the presence of a reusable polythiazolium precatalyst under atmospheric pressure of carbon dioxide. Tetrahedron, 2017, 73, 3438-3442.	1.0	18
735	Calcium Hydride Reactivity: Formation of an Anionic Nâ€Heterocyclic Olefin Ligand. Angewandte Chemie - International Edition, 2017, 56, 6906-6910.	7.2	41
736	Synthesis, hemilability, and catalytic transfer hydrogenation activity ofÂiridium(III) and ruthenium(II) complexes containing oxygen-functionalised triazolylidene ligands. Journal of Organometallic Chemistry, 2017, 845, 196-205.	0.8	24
737	Enantioselective Î²-Protonation of Enals via a Shuttling Strategy. Journal of the American Chemical Society, 2017, 139, 7045-7051.	6.6	74
738	(L)₂C₂P₂: Dicarbondiphosphide Stabilized by Nâ€Heterocyclic Carbenes or Cyclic Diamido Carbenes. Angewandte Chemie, 2017, 129, 5838-5843.	1.6	55
739	Nâ€Heterocyclic Carbene Catalyzed [4+2] Annulation of Enals via a Double Vinylogous Michael Addition: Asymmetric Synthesis of 3,5â€Diaryl Cyclohexenones. Angewandte Chemie, 2017, 129, 6337-6341.	1.6	21
740	Catalytic, Enantioselective Î²-Protonation through a Cooperative Activation Strategy. Journal of Organic Chemistry, 2017, 82, 4689-4702.	1.7	28
741	N-Heterocyclic carbene-stabilised arsinidene (AsH). Chemical Communications, 2017, 53, 6069-6072.	2.2	61
742	N-heterocyclic carbene platinum complexes functionalized with a polyether chain and silyl group: Synthesis and application as a catalyst for hydrosilylation. Phosphorus, Sulfur and Silicon and the Related Elements, 2017, 192, 1271-1278.	0.8	7

#	Article	IF	Citations
743	Facile synthesis of NHC-stabilized Ni nanoparticles and their catalytic application in the Z-selective hydrogenation of alkynes. Chemical Communications, 2017, 53, 7894-7897.	2.2	51
744	The Need for an Alternative to Radicals as the Cause of Fragmentation of a Thiaminâ€Derived Breslow Intermediate. Angewandte Chemie - International Edition, 2017, 56, 6321-6323.	7.2	6
745	Facile Suzuki-Miyaura cross coupling using ferrocene tethered N-heterocyclic carbene-Pd complex anchored on cellulose. Reactive and Functional Polymers, 2017, 116, 9-16.	2.0	40
746	N -heterocyclic carbene-mediated formal [3+3] annulation of isatin-derived Î±, Î²-unsaturated acids: Access to functionalized 3,4â€²-spirooxindole Î´-lactones. Tetrahedron, 2017, 73, 3249-3254.	1.0	12
747	Heavier Group 13 Metal(I) Heterocycles Stabilized by Sterically Demanding Diiminophosphinates: A Structurally Characterized Monomerâ€“Dimer Pair For Gallium. Chemistry - A European Journal, 2017, 23, 447-455.	1.7	26
748	Imidazolium Salts Mimicking the Structure of Natural Lipids Exploit Remarkable Properties Forming Lamellar Phases and Giant Vesicles. Langmuir, 2017, 33, 1333-1342.	1.6	54
749	N-Heterocyclic carbene or phosphorus ylide: which one forms a stronger bond with group 11 metals? A theoretical study. Dalton Transactions, 2017, 46, 207-220.	1.6	33
750	Ruthenium Catalysts Supported by Aminoâ€Substituted Nâ€Heterocyclic Carbene Ligands for Olefin Metathesis of Challenging Substrates. Chemistry - A European Journal, 2017, 23, 1950-1955.	1.7	21
751	A comparative study on the N-heterocyclic carbene adducts of I_h-C₆₀, D_{5h}-C₇₀ and Sc₃N@I_h-C₈₀. Physical Chemistry Chemical Physics, 2017, 19, 17598-17606.	1.3	5
752	Rhodium(I) Complexes with Ligands Based on N-Heterocyclic Carbene and Hemilabile Pyridine Donors as Highly E Stereoselective Alkyne Hydrosilylation Catalysts. Organometallics, 2017, 36, 2460-2469.	1.1	50
753	Dual Activation of Nucleophiles and Electrophiles by N-Heterocyclic Carbene Organocatalysis: Chemoselective N-Imination of Indoles with Isocyanides. Organic Letters, 2017, 19, 3259-3262.	2.4	12
754	N-heterocyclic carbene-catalyzed fluorinated silyl-Reformatsky reaction of aldehydes with difluoro (trimethylsilyl) acetate. Tetrahedron, 2017, 73, 4501-4507.	1.0	9
755	Phaseâ€Separable Polyisobutylene Palladiumâ€PEPPSI Precatalysts: Synthesis and Application in Buchwaldâ€“Hartwig Amination. Macromolecular Rapid Communications, 2017, 38, 1700214.	2.0	14
756	Facile Phenylphosphinidene Transfer Reactions from Carbeneâ€“Phosphinidene Zinc Complexes. Angewandte Chemie, 2017, 129, 8056-8059.	1.6	17
757	Metal Confinement through Nâ€(9â€Alkyl)fluorenylâ€Substituted Nâ€Heterocyclic Carbenes and Its Consequences in Goldâ€Catalysed Reactions Involving Enynes. Chemistry - A European Journal, 2017, 23, 7809-7818.	1.7	35
758	A new umpolung for direct Î³-regioselective nucleophilic addition of alcohols to Î³-enolizable Î±,Î²-unsaturated aldehydes. Tetrahedron Letters, 2017, 58, 2517-2520.	0.7	1
759	Silyleneâ€“Nickel Promoted Cleavage of Bâ^'O Bonds: From Catechol Borane to the Hydroborylene Ligand. Angewandte Chemie, 2017, 129, 7578-7582.	1.6	9
760	Dealing at Arm's Length: Catalysis with Nâ€Heterocyclic Carbene Ligands Bearing Anionic Tethers. European Journal of Organic Chemistry, 2017, 2017, 4206-4229.	1.2	27

#	Article	IF	Citations
761	Improved reactivity of a cyclic 13/15 compound by increased steric demand. Dalton Transactions, 2017, 46, 7074-7081.	1.6	7
762	Facile routes to abnormal-NHC-cobalt(<scp>ii</scp>) complexes. Dalton Transactions, 2017, 46, 7664-7667.	1.6	26
763	Î±â€Radical Phosphines: Synthesis, Structure, and Reactivity. Angewandte Chemie - International Edition, 2017, 56, 8790-8794.	7.2	30
764	Nâ€Heterocyclic Carbeneâ€Catalyzed Umpolung of Alkynyl 1,2â€Diketones. Advanced Synthesis and Catalysis, 2017, 359, 2729-2734.	2.1	24
765	A Carbene Catalysis Strategy for the Synthesis of Protoilludane Natural Products. Angewandte Chemie, 2017, 129, 9996-9999.	1.6	10
766	A Carbene Catalysis Strategy for the Synthesis of Protoilludane Natural Products. Angewandte Chemie - International Edition, 2017, 56, 9864-9867.	7.2	32
767	Molecular Adsorbates Switch on Heterogeneous Catalysis: Induction of Reactivity by N-Heterocyclic Carbenes. Journal of the American Chemical Society, 2017, 139, 9144-9147.	6.6	133
768	Highly enantioselective synthesis of fused bicyclic dihydropyranones via low-loading N-heterocyclic carbene organocatalysis. Chemical Communications, 2017, 53, 6875-6878.	2.2	55
769	Nitrogen Fixation. Topics in Organometallic Chemistry, 2017, , .	0.7	30
770	Protected N-heterocyclic carbenes as latent organocatalysts for the low-temperature curing of anhydride-hardened epoxy resins. European Polymer Journal, 2017, 95, 766-774.	2.6	10
771	Synthesis and Photophysical Characterization of Cyclometalated Ruthenium Complexes with N-Heterocyclic Carbene Ligands. Organometallics, 2017, 36, 2397-2403.	1.1	24
772	General Synthetic Route toward Highly Dispersed Metal Clusters Enabled by Poly(ionic liquid)s. Journal of the American Chemical Society, 2017, 139, 8971-8976.	6.6	110
773	Synthesis of metathesis catalysts with fluorinated unsymmetrical N,Nâ€™-diaryl imidazoline-based NHC ligands. Journal of Fluorine Chemistry, 2017, 200, 66-76.	0.9	14
774	Normal-to-abnormal rearrangement of an N-heterocyclic carbene with a silylene transition metal complex. Dalton Transactions, 2017, 46, 7791-7799.	1.6	32
775	Phosphine-functionalized NHC Ni(<scp>ii</scp>) and Ni(0) complexes: synthesis, characterization and catalytic properties. Dalton Transactions, 2017, 46, 7603-7611.	1.6	21
776	Synthetic and NMR studies on hexaphenylcarbodiphosphorane (Ph3P C PPh3). Inorganica Chimica Acta, 2017, 468, 152-158.	1.2	15
777	Î±â€Radical Phosphines: Synthesis, Structure, and Reactivity. Angewandte Chemie, 2017, 129, 8916-8920.	1.6	11
778	Bicyclic (Alkyl)(amino)carbenes (BICAACs): Stable Carbenes More Ambiphilic than CAACs. Journal of the American Chemical Society, 2017, 139, 7753-7756.	6.6	92

#	Article	IF	Citations
779	Recent progress in organocatalytic asymmetric total syntheses of complex indole alkaloids. National Science Review, 2017, 4, 381-396.	4.6	105
780	Synthesis, Structural Characterization and Catalytic Activities of Sulfurâ€Functionalized NHCâ€“Copper(I) Complexes. European Journal of Organic Chemistry, 2017, 2017, 4074-4084.	1.2	19
781	Phosphorylation of Isocyanates and Aldehydes Mediated by Multifunctional N-Phosphine Oxide-substituted Imidazolylidenes. Chemistry Letters, 2017, 46, 1211-1213.	0.7	13
782	Switchable Access to Different Spirocyclopentane Oxindoles by Nâ€Heterocyclic Carbene Catalyzed Reactions of Isatinâ€Derived Enals and Nâ€Sulfonyl Ketimines. Angewandte Chemie - International Edition, 2017, 56, 8516-8521.	7.2	94
783	Chiral Oxazolidine-Fused N-Heterocyclic Carbene Complexes of Rhodium and Iridium and Their Utility in the Asymmetric Transfer Hydrogenation of Ketones. European Journal of Inorganic Chemistry, 2017, 2017, 3253-3268.	1.0	21
784	Methanol as a Hydrogen Source in the Pd^{II}â^'Bis(Nâ€Heterocyclic Carbene)â€Mediated Catalytic Semireduction of Alkynes Under Mild Reaction Conditions. Asian Journal of Organic Chemistry, 2017, 6, 1451-1459.	1.3	8
785	Switchable Access to Different Spirocyclopentane Oxindoles by Nâ€Heterocyclic Carbene Catalyzed Reactions of Isatinâ€Derived Enals and Nâ€Sulfonyl Ketimines. Angewandte Chemie, 2017, 129, 8636-8641.	1.6	31
786	New bis(Nâ€heterocyclic carbene) palladium complex immobilized on magnetic nanoparticles: as a magnetic reusable catalyst in Suzukiâ€Miyaura cross coupling reaction. Applied Organometallic Chemistry, 2017, 31, e3870.	1.7	14
787	Design of Highly Selective Alkyne Hydrothiolation Rh^I-NHC Catalysts: Carbonyl-Triggered Nonoxidative Mechanism. Organometallics, 2017, 36, 2198-2207.	1.1	34
788	Borylenes: An Emerging Class of Compounds. Angewandte Chemie - International Edition, 2017, 56, 10282-10292.	7.2	151
789	Bis(dibenzylideneacetone)palladium(0)/tertâ€‹Butyl Nitriteâ€•Catalyzed Cyclization of oâ€Alkynylanilines with tertâ€‹Butyl Nitrite: Synthesis and Applications of Indazole 2â€Oxides. Advanced Synthesis and Catalysis, 2017, 359, 2747-2753.	2.1	26
790	Acenaphthoimidazolylidene Gold Complex-Catalyzed Alkylsulfonylation of Boronic Acids by Potassium Metabisulfite and Alkyl Halides: A Direct and Robust Protocol To Access Sulfones. ACS Catalysis, 2017, 7, 4655-4659.	5.5	59
791	Coordination behavior of bis-phenolate saturated and unsaturated N-heterocyclic carbene ligands to zirconium: reactivity and activity in the copolymerization of cyclohexene oxide with CO₂. Dalton Transactions, 2017, 46, 8065-8076.	1.6	23
792	Solvent-Reversible Addition of Alkyne Câ€“H Bonds to Water-Soluble NHC Platinum(0) Complexes. Organometallics, 2017, 36, 2271-2274.	1.1	5
793	Postmodification Approach to Charge-Tagged 1,2,4-Triazole-Derived NHC Palladium(II) Complexes and Their Applications. Organometallics, 2017, 36, 2345-2353.	1.1	27
794	Soluble Platinum Nanoparticles Ligated by Longâ€Chain Nâ€Heterocyclic Carbenes as Catalysts. Chemistry - A European Journal, 2017, 23, 12779-12786.	1.7	36
795	Titanium Salen Complexes with Appended Silver NHC Groups as Nucleophilic Carbene Reservoir for Cooperative Asymmetric Lewis Acid/NHC Catalysis. European Journal of Organic Chemistry, 2017, 2017, 4140-4167.	1.2	10
796	A new strategy towards tridentate N -heterocyclic carbene ligands derived from benzimidazolium and mixed-azolium salt. Journal of Molecular Structure, 2017, 1141, 346-350.	1.8	10

#	Article	IF	Citations
797	A New Mode of Operation of Pd-NHC Systems Studied in a Catalytic Mizorokiâ€“Heck Reaction. Organometallics, 2017, 36, 1981-1992.	1.1	119
798	Remarkable catalytic activity of dinitrogen-bridged dimolybdenum complexes bearing NHC-based PCP-pincer ligands toward nitrogen fixation. Nature Communications, 2017, 8, 14874.	5.8	198
799	Cyclic (Alkyl)(amino)carbenes (CAACs): Recent Developments. Angewandte Chemie - International Edition, 2017, 56, 10046-10068.	7.2	610
800	An N-Heterocyclic carbene with a sulfonamide group embedded within the heterocyclic backbone. Journal of Organometallic Chemistry, 2017, 838, 37-41.	0.8	4
801	N,Nâ€²-Bisaryl Substituted Chiral Linker-Bridged Bis(N-Heterocyclic Carbene) Palladium Complexes: Design, Synthesis, and Catalytic Properties. Organometallics, 2017, 36, 1372-1382.	1.1	13
802	Metal Complexes of Click-Derived Triazoles and Mesoionic Carbenes: Electron Transfer, Photochemistry, Magnetic Bistability, and Catalysis. Zeitschrift Fur Anorganische Und Allgemeine Chemie, 2017, 643, 554-584.	0.6	150
803	Synthesis of Propargyl-Functionalized NHC Gold Complexes. Organometallics, 2017, 36, 1278-1286.	1.1	12
804	Reversible Oxidative Addition at Carbon. Angewandte Chemie - International Edition, 2017, 56, 10209-10213.	7.2	60
805	Carbenes as Electronâ€Pair Donors for Pâ‹…â‹…â‹…C Pnicogen Bonds. ChemPhysChem, 2017, 18, 1597-1610.	1.0	24
806	N-heterocyclic carbene-catalyzed synthesis of spirocyclopentene-oxindoles from bromoenals. Chemical Communications, 2017, 53, 4327-4330.	2.2	27
807	Oxahelicene NHC ligands in the asymmetric synthesis of nonracemic helicenes. Chemical Communications, 2017, 53, 4370-4373.	2.2	64
808	N-Heterocyclic Carbene Catalyzed 1,6-Conjugate Addition of Me₃Si-CN to para-Quinone Methides and Fuchsones: Access to Î±-Arylated Nitriles. Organic Letters, 2017, 19, 1982-1985.	2.4	75
809	Efficient, selective and sustainable catalysis of carbon dioxide. Green Chemistry, 2017, 19, 3707-3728.	4.6	797
810	Multidentate N-heterocyclic carbene complexes of the 3d metals: Synthesis, structure, reactivity and catalysis. Coordination Chemistry Reviews, 2017, 341, 53-176.	9.5	128
811	Construction of Fused Pyrrolidines and Î²â€Lactones by Carbeneâ€Catalyzed Cî€“N, Cî€“C, and Cî€“O Bond Formations. Angewandte Chemie, 2017, 129, 4265-4269.	1.6	13
812	Construction of Fused Pyrrolidines and Î²â€Lactones by Carbeneâ€Catalyzed Cî€“N, Cî€“C, and Cî€“O Bond Formations. Angewandte Chemie - International Edition, 2017, 56, 4201-4205.	7.2	55
813	Fluorinated Unsymmetrical N,Nâ€²â€Diaryl Imidazolium Saltsâ€”New Functionalized NHCâ€Ligand Precursors. Chemistry - A European Journal, 2017, 23, 6663-6674.	1.7	20
814	Access to Fluorescent Azines from Nâ€Heterocyclic Carbene Precursors and Nâ€Tosylhydrazones. Advanced Synthesis and Catalysis, 2017, 359, 1825-1830.	2.1	5

#	Article	IF	Citations
815	Stabilization of High Oxidation State Upconversion Nanoparticles by Nâ€Heterocyclic Carbenes. Angewandte Chemie - International Edition, 2017, 56, 4356-4360.	7.2	43
816	XPS-evidence for in-situ electrochemically-generated carbene formation. Electrochimica Acta, 2017, 234, 37-42.	2.6	28
817	Hydrogen Tunneling above Room Temperature Evidenced by Infrared Ion Spectroscopy. Journal of the American Chemical Society, 2017, 139, 5779-5786.	6.6	28
818	Quantum Mechanical Study of N-Heterocyclic Carbene Adsorption on Au Surfaces. Journal of Physical Chemistry A, 2017, 121, 2674-2682.	1.1	29
819	Carbeneâ€“aerogen bonds: an ab initio study. Molecular Physics, 2017, 115, 971-980.	0.8	13
820	Origin of Stereoselectivity in Cooperative Asymmetric Catalysis Involving N-Heterocyclic Carbenes and Lewis Acids toward the Synthesis of Spirooxindole Lactone. ACS Catalysis, 2017, 7, 530-537.	5.5	80
821	Câ€“H Borylation by Platinum Catalysis. Bulletin of the Chemical Society of Japan, 2017, 90, 332-342.	2.0	21
822	Homobimetallic hydride and dihydrogen complexes of ruthenium bearing N-heterocyclic carbene ligands. Journal of Organometallic Chemistry, 2017, 830, 203-211.	0.8	4
823	Trimerization of enones under air enabled by NHC/NaOtBu via a SET radical pathway. Organic Chemistry Frontiers, 2017, 4, 467-471.	2.3	12
824	Theoretical NMR spectroscopy of N-heterocyclic carbenes and their metal complexes. Coordination Chemistry Reviews, 2017, 344, 101-114.	9.5	28
825	A hybrid carbocyclic/N-heterocyclic carbene ligand. Chemical Communications, 2017, 53, 2098-2101.	2.2	9
826	Facile synthesis of N-acyl 2-aminobenzothiazoles by NHC-catalyzed direct oxidative amidation of aldehydes. Chemical Communications, 2017, 53, 1478-1481.	2.2	31
827	Câ€“F bond activation of perfluorinated arenes by a bioxazoline-derived N-heterocyclic carbene. Organic and Biomolecular Chemistry, 2017, 15, 787-789.	1.5	18
828	Donor Strength Determination of Benzoxazolin-2-ylidene, Benzobisoxazolin-2-ylidene, and Their Isocyanide Precursors by ¹³C NMR Spectroscopy of Their Pd^{II} and Au^I Complexes. Organometallics, 2017, 36, 275-284.	1.1	18
829	Organocatalytic activation of isocyanides: N-heterocyclic carbene-catalyzed enaminone synthesis from ketones. Chemical Science, 2017, 8, 2401-2406.	3.7	25
830	Access to Enantiopure Triarylmethanes and 1,1â€Diarylalkanes by NHCâ€Catalyzed Acylative Desymmetrization. Chemistry - A European Journal, 2017, 23, 2275-2281.	1.7	34
831	Azidoimidazolinium Salts: Safe and Efficient Diazoâ€transfer Reagents and Unique Azidoâ€donors. Chemical Record, 2017, 17, 653-666.	2.9	11
832	New Strategies for N-Heterocyclic Carbenes Catalyzed Annulations. Springer Theses, 2017, , .	0.0	0

#	Article	IF	Citations
833	Formation, Oxidation, and Fate of the Breslow Intermediate in the N-Heterocyclic Carbene-Catalyzed Aerobic Oxidation of Aldehydes. Journal of Organic Chemistry, 2017, 82, 302-312.	1.7	38
834	Stereospecific Copper-Catalyzed Domino Ring Opening and sp³ Câ€“H Functionalization of Activated Aziridines with N-Alkylanilines. Organic Letters, 2017, 19, 158-161.	2.4	41
835	Efficient Hydrogenation of Biomass Oxoacids to Lactones by Using NHCâ€“Iridium Coordination Polymers as Solid Molecular Catalysts. Chemistry - an Asian Journal, 2017, 12, 355-360.	1.7	27
836	Carbene and Acid Cooperative Catalytic Reactions of Aldehydes and o-Hydroxybenzhydryl Amines for Highly Enantioselective Access to Dihydrocoumarins. Organic Letters, 2017, 19, 5892-5895.	2.4	42
837	Pd(NHC)-catalyzed alkylsulfonylation of boronic acids: a general and efficient approach for sulfone synthesis. Chemical Communications, 2017, 53, 12473-12476.	2.2	46
838	Are There Carbenes in Nâ€Heterocyclic Carbene Organocatalysis?. Angewandte Chemie - International Edition, 2017, 56, 16395-16398.	7.2	45
839	Benzannulated Re(<scp>i</scp>)â€“NHC complexes: synthesis, photophysical properties and antimicrobial activity. Dalton Transactions, 2017, 46, 15269-15279.	1.6	32
840	Cycloadduct formation of Î±,Î²-unsaturated esters with azides catalyzed by NHC systems. Organic and Biomolecular Chemistry, 2017, 15, 9066-9070.	1.5	6
841	Enantioselective Medium-Ring Lactone Synthesis through an NHC-Catalyzed Intramolecular Desymmetrization of Prochiral 1,3-Diols. ACS Catalysis, 2017, 7, 7647-7652.	5.5	43
842	Stepwise Reversible Oxidation of N-Peralkyl-Substituted NHCâ€“CAAC Derived Triazaalkenes: Isolation of Radical Cations and Dications. Organic Letters, 2017, 19, 5605-5608.	2.4	34
843	Base-Free and Catalyst-Free Synthesis of Functionalized Dihydrobenzoxazoles via Vinylogous Carbonate to Carbamate Rearrangement. Organic Letters, 2017, 19, 5597-5600.	2.4	18
844	Transition-Metal-Catalyzed Cross-Couplings through Carbene Migratory Insertion. Chemical Reviews, 2017, 117, 13810-13889.	23.0	915
845	Triazaphospholenium Tetrafluoroborate: A Phosphorus Analogue of a 1,2,3â€Triazoleâ€Derived Carbene. Angewandte Chemie - International Edition, 2017, 56, 16484-16489.	7.2	26
846	Invisible Chelating Effect Exhibited between Carbodicarbene and Phosphine through Ï€â€“Ï€ Interaction and Implication in the Cross-Coupling Reaction. Organometallics, 2017, 36, 4287-4297.	1.1	21
847	Ni-Catalyzed cross-coupling reactions of N-acylpyrrole-type amides with organoboron reagents. Chemical Communications, 2017, 53, 12584-12587.	2.2	53
848	A modular approach to carbene-stabilized diphosphorus species. Dalton Transactions, 2017, 46, 15859-15864.	1.6	40
849	Synthesis of functionalized imidazolidine-2-thiones via NHC/base-promoted aza-benzoin/aza-acetalization domino reactions. Organic and Biomolecular Chemistry, 2017, 15, 8788-8801.	1.5	9
850	Synthesis and structural characterization of metal complexes with macrocyclic tetracarbene ligands. New Journal of Chemistry, 2017, 41, 13442-13453.	1.4	14

#	Article	IF	Citations
851	Tetrazol-5-ylidene Gold(III) Complexes from Sequential [2 + 3] Cycloaddition of Azide to Metal-Bound Isocyanides and N4 Alkylation. Organometallics, 2017, 36, 3974-3980.	1.1	18
852	Experimental Assessment of the Ï€â€Acidity of Anionic and Neutral Malonateâ€Derived Nâ€Heterocyclic Carbenes. European Journal of Inorganic Chemistry, 2017, 2017, 4167-4173.	1.0	16
853	Stereoselective Synthesis of Functionalized Tetrahydro-1H-1,2-diazepines by N-Heterocyclic Carbene-Catalyzed [3 + 4] Annulation. Organic Letters, 2017, 19, 5380-5383.	2.4	36
854	N-Heterocyclic carbene-catalyzed [4+2] annulation of Î²-methyl enals and cyclic trifluoromethyl ketimines for the asymmetric synthesis of dihydroquinazolinone derivatives. Chemical Communications, 2017, 53, 11342-11344.	2.2	25
855	N-Heterocyclic carbenes on close-packed coinage metal surfaces: bis-carbene metal adatom bonding scheme of monolayer films on Au, Ag and Cu. Chemical Science, 2017, 8, 8301-8308.	3.7	87
856	N-Heterocyclic germylenes and stannylenes of the type [Fe{(Î· 5-C5H4)NR}2E] with bulky alkyl substituents. Zeitschrift Fur Naturforschung - Section B Journal of Chemical Sciences, 2017, 72, 785-794.	0.3	13
857	Directed Câ€“H Alkenylation of Aryl Imines with Alkenyl Phosphates Promoted by a Cobaltâ€“Nâ€Heterocyclic Carbene Catalyst. Advanced Synthesis and Catalysis, 2017, 359, 4340-4347.	2.1	18
858	Triazenyl Radicals Stabilized by N-Heterocyclic Carbenes. Journal of the American Chemical Society, 2017, 139, 15300-15303.	6.6	49
859	Grand Canonical Quantum Mechanical Study of the Effect of the Electrode Potential on N-Heterocyclic Carbene Adsorption on Au Surfaces. Journal of Physical Chemistry C, 2017, 121, 24618-24625.	1.5	12
860	Aqueous-Phase Chemistry of Î·³-Allylpalladium(II) Complexes with SulfonatedN-Heterocyclic Carbene Ligands: Solvent Effects in the Protolysis of Pdâ€“C Bonds and Suzukiâ€“Miyaura Reactions. Organometallics, 2017, 36, 4191-4201.	1.1	13
861	Carboxymethylated Dextran-Modified N-Heterocyclic Carbene Self-Assembled Monolayers on Gold for Use in Surface Plasmon Resonance Biosensing. ACS Applied Materials & Interfaces, 2017, 9, 39223-39234.	4.0	36
862	Steric hindrance and electronic effects of sulfonatepropyl chain on gold center. An experimental and DFT study. Journal of Organometallic Chemistry, 2017, 852, 20-26.	0.8	8
863	Bifurcated Nickelâ€Catalyzed Functionalizations: Heteroarene Câ^'H Activation with Allenes. Angewandte Chemie, 2017, 129, 16107-16111.	1.6	18
864	Bifurcated Nickelâ€Catalyzed Functionalizations: Heteroarene Câ^'H Activation with Allenes. Angewandte Chemie - International Edition, 2017, 56, 15891-15895.	7.2	63
865	Ligandâ€“Substrate Dispersion Facilitates the Copper-Catalyzed Hydroamination of Unactivated Olefins. Journal of the American Chemical Society, 2017, 139, 16548-16555.	6.6	189
866	Synthesis and transfer hydrogenation catalysis of chelating triazolylidene ruthenium(II) complexes: Effect of the pendant arm, p-cymene, acetonitrile and butadienesulfonyl co-ligands. Journal of Organometallic Chemistry, 2017, 848, 309-317.	0.8	7
867	NHC-catalyzed enantioselective synthesis of dihydropyran-4-carbonitriles bearing all-carbon quaternary centers. Organic Chemistry Frontiers, 2017, 4, 2323-2326.	2.3	18
868	Synthesis, characterization and catalytic activity of nickel NHC complexes. Molecular Catalysis, 2017, 440, 25-35.	1.0	9

#	Article	IF	Citations
869	Synthetic, spectroscopic and structural behavior of unsaturated functionalized N -heterocyclic carbene complexes of group 11. Polyhedron, 2017, 137, 97-111.	1.0	7
870	1,2-Migration of N-Diarylboryl Imidazol-2-ylidene through Intermolecular Radical Process. Inorganic Chemistry, 2017, 56, 10543-10548.	1.9	8
871	Importance of Electrostatic Effects in the Stereoselectivity of NHC-Catalyzed Kinetic Resolutions. Journal of the American Chemical Society, 2017, 139, 12441-12449.	6.6	39
872	Organocatalytic Asymmetric Synthesis of transâ€Î³â€Lactams. Chemistry - A European Journal, 2017, 23, 13888-13892.	1.7	17
873	N-Heterocyclic Carbene-Phosphinidene and Carbene-Phosphinidenide Transition Metal Complexes. Inorganic Chemistry, 2017, 56, 10785-10793.	1.9	56
874	Nickel-catalysed direct C2-arylation of N-heterocyclic carbenes. Dalton Transactions, 2017, 46, 12027-12031.	1.6	41
875	Synthesis and characterization of Lewis base stabilized mono- and di-organo aluminum radicals. Chemical Communications, 2017, 53, 10516-10519.	2.2	34
876	Direct, efficient NHC-catalysed aldehyde oxidative amidation: in situ formed benzils as unconventional acylating agents. Chemical Communications, 2017, 53, 10212-10215.	2.2	22
877	Half-Sandwich Ruthenium Catalyst Bearing an Enantiopure Primary Amine Tethered to an N-Heterocyclic Carbene for Ketone Hydrogenation. ACS Catalysis, 2017, 7, 6827-6842.	5.5	26
878	Small ironâ€“carbonyl clusters bearing imidazolium-2-trithioperoxycarboxylate ligands. Dalton Transactions, 2017, 46, 13002-13009.	1.6	8
879	Asymmetric Ironâ€Catalyzed Câ^'H Alkylation Enabled by Remote Ligand metaâ€Substitution. Angewandte Chemie - International Edition, 2017, 56, 14197-14201.	7.2	129
880	Asymmetric Ironâ€Catalyzed Câ^'H Alkylation Enabled by Remote Ligand metaâ€Substitution. Angewandte Chemie, 2017, 129, 14385-14389.	1.6	104
881	Polyoxometalates Templated Metal Agâ€“Carbene Frameworks Anodic Material for Lithium-Ion Batteries. Inorganic Chemistry, 2017, 56, 11998-12002.	1.9	30
882	Recyclable and scalable organocatalytic transesterification of polysaccharides in a mixed solvent of 1-ethyl-3-methylimidazolium acetate and dimethyl sulfoxide. Polymer Journal, 2017, 49, 783-787.	1.3	22
883	High Oxidation State Molybdenum Nâ€Heterocyclic Carbene Alkylidyne Complexes: Synthesis, Mechanistic Studies, and Reactivity. Chemistry - A European Journal, 2017, 23, 15484-15490.	1.7	38
884	Three-component synthesis of N-sulfonylformamidines in the presence of magnetic cellulose supported N-heterocyclic carbene-copper complex, as an efficient heterogeneous nanocatalyst. Tetrahedron Letters, 2017, 58, 3957-3965.	0.7	27
885	Silica-Immobilized NHC-Gold(I) Complexes: Versatile Catalysts for the Functionalization of Alkynes under Batch and Continuous Flow Conditions. ACS Catalysis, 2017, 7, 7146-7155.	5.5	36
886	Reactivity of Fe and Ru Complexes of Picolyl-Substituted N-Heterocyclic Carbene Ligand: Diverse Coordination Modes and Small Molecule Binding. Inorganic Chemistry, 2017, 56, 11956-11970.	1.9	32

#	Article	IF	Citations
887	A straightforward synthesis of 4,5-dihalofunctionalized imidazol-2-ylidene/imidazolyl-metal complexes from trihaloimidazolium salts/imidazoles: Structure and catalytic studies. Journal of Organometallic Chemistry, 2017, 851, 104-114.	0.8	9
888	New C 2 -symmetric six-membered carbene ligands incorporating two hydroxyl groups for palladium-catalyzed deprotonative-cross-coupling processes (DCCP) of sp 3 Câ€“H bonds in diarylmethanes. Tetrahedron Letters, 2017, 58, 4157-4161.	0.7	9
889	Nâ€Phosphine Oxideâ€Substituted Imidazolylidenes (PoxIms): Multifunctional Multipurpose Carbenes. Chemistry - A European Journal, 2017, 23, 15238-15243.	1.7	26
890	Triazolylidene Iridium Complexes for Highly Efficient and Versatile Transfer Hydrogenation of Câ•O, Câ•N, and Câ•C Bonds and for Acceptorless Alcohol Oxidation. Inorganic Chemistry, 2017, 56, 11282-11298.	1.9	54
891	A convenient access to N-phosphonio-substituted NHC metal complexes [M = Ag(<scp>i</scp>), Rh(<scp>i</scp>), Pd(<scp>ii</scp>)]. Dalton Transactions, 2017, 46, 12293-12305.	1.6	20
892	Synthesis of N -heterocyclic carbene boranes via silver N -heterocyclic carbene complexes. Polyhedron, 2017, 137, 296-305.	1.0	3
893	Nickel-catalyzed Câ€“H activation of purine bases with alkyl halides. Chemical Communications, 2017, 53, 9113-9116.	2.2	36
894	Exceptionally Strong Electronâ€Donating Ability of Boraâ€Ylide Substituent visâ€Ãâ€vis Silylene and Silylium Ion. Angewandte Chemie, 2017, 129, 10685-10690.	1.6	24
895	Exceptionally Strong Electronâ€Donating Ability of Boraâ€Ylide Substituent visâ€Ãâ€vis Silylene and Silylium Ion. Angewandte Chemie - International Edition, 2017, 56, 10549-10554.	7.2	42
896	The Unusual Role of Aromatic Solvent in Singleâ€Site Aluminum^I Chemistry: Insights from Theory. Chemistry - A European Journal, 2017, 23, 13957-13963.	1.7	16
897	Borylene: eine aufstrebende Verbindungsklasse. Angewandte Chemie, 2017, 129, 10416-10426.	1.6	60
898	Synthesis of Monoâ€Nâ€sulfonylimidazolidines by a 1,3â€Dipolar Cycloaddition Strategy, as an Alternative to Selective Nâ€Sulfonylation, and Their Ring Cleavage To Afford 1,2â€Diamines. European Journal of Organic Chemistry, 2017, 2017, 4617-4624.	1.2	8
899	Organometallic chemistry of bis(N-heterocyclic carbene) ligands containing a heteroarene spacer. Journal of Organometallic Chemistry, 2017, 848, 249-280.	0.8	23
900	[4+2] and [3+2] Annulations of Î±â€Chloroaldehydes and Dithioâ€esters: Synthesis of 1,4â€Oxathiinâ€2(3H)â€ones and 1,3â€Oxathioles. Advanced Synthesis and Catalysis, 2017, 359, 3479-3483.	2.1	15
901	Nickel-catalyzed transamidation of aliphatic amide derivatives. Chemical Science, 2017, 8, 6433-6438.	3.7	135
902	Expanding the scope of N-heterocyclic carbene-organocatalyzed ring-opening polymerization of N-tosyl aziridines using functional and non-activated amine initiators. European Polymer Journal, 2017, 95, 746-755.	2.6	34
903	A closer look at the reactivity between N-heterocyclic carbenes and fluoroalkenes. Journal of Fluorine Chemistry, 2017, 203, 81-89.	0.9	6
904	A convenient, efficient and reusable N-heterocyclic carbene-palladium(<scp>ii</scp>) based catalyst supported on magnetite for Suzukiâ€“Miyaura and Mizorokiâ€“Heck cross-coupling reactions. New Journal of Chemistry, 2017, 41, 9531-9545.	1.4	63

#	Article	IF	Citations
905	Buttressing Effect as a Key Design Principle towards Highly Efficient Palladium/Nâ€Heterocyclic Carbene Buchwaldâ€“Hartwig Amination Catalysts. Chemistry - A European Journal, 2017, 23, 13792-13801.	1.7	50
906	Comprehensive View of the Ligandâ€“Gold Interface from First Principles. Chemistry of Materials, 2017, 29, 6908-6915.	3.2	59
907	Tritopic NHC Precursors: Unusual Nickel Reactivity and Ethylene Insertion into a C(sp³)â€“H Bond. Angewandte Chemie - International Edition, 2017, 56, 12557-12560.	7.2	9
908	Selective Decarbonylation of Fatty Acid Esters to Linear Î±-Olefins. Organometallics, 2017, 36, 2956-2964.	1.1	29
909	Advances in chemoselective intermolecular cross-benzoin-type condensation reactions. Organic and Biomolecular Chemistry, 2017, 15, 6867-6887.	1.5	32
910	Stable ferrocenyl-NHC Pd(II) complexes: Evidence of C-H â‹¯H/Ï€ interaction and M-O bonding in solution. Journal of Organometallic Chemistry, 2017, 848, 196-206.	0.8	8
911	Synthesis and Characterization of Bidentate NHC-C_{Aryl} Nickel(II) Complexes: Isocyanide Insertion To Form NHC-Î·²-iminoacyl Complexes. Organometallics, 2017, 36, 2987-2995.	1.1	9
912	Calcium Hydride Reactivity: Formation of an Anionic Nâ€Heterocyclic Olefin Ligand. Angewandte Chemie, 2017, 129, 7010-7014.	1.6	15
913	Nâ€Heterocyclic Carbene Catalyzed [3+2] Cycloaddition of Enals with Masked Cinnamates for the Asymmetric Oneâ€Pot Synthesis of Adipic Acid Derivatives. Chemistry - A European Journal, 2017, 23, 13042-13045.	1.7	17
914	Reversible oxidative Addition an Kohlenstoff. Angewandte Chemie, 2017, 129, 10343-10347.	1.6	20
915	N-Heterocyclic Carbeneâ€“Carbodiimide (â€œNHCâ€“CDIâ€) Adduct or Zwitterionic-Type Neutral Amidinate-Supported Magnesium(II) and Zinc(II) Complexes. Inorganic Chemistry, 2017, 56, 9535-9546.	1.9	30
916	Organocatalytic Highly Regioâ€and Enantioselective Umpolung Michael Addition Reaction of Î±â€imino Esters. Chemistry - A European Journal, 2017, 23, 12749-12753.	1.7	19
917	A Radical Mechanism for Frustrated Lewis Pair Reactivity. CheM, 2017, 3, 259-267.	5.8	129
918	Dissimilar catalytic behavior of molecular or colloidal palladium systems with a new NHC ligand. Dalton Transactions, 2017, 46, 11768-11778.	1.6	9
919	A Cooperative Ternary Catalysis System for Asymmetric Lactonizations of Î±â€Ketoesters. Advanced Synthesis and Catalysis, 2017, 359, 3713-3719.	2.1	15
920	Optical and XPS evidence for the electrochemical generation of an N-heterocyclic carbene and its CS₂adduct from the ionic liquid [bmim][PF₆]. New Journal of Chemistry, 2017, 41, 10299-10304.	1.4	22
921	Enantioselective N-Heterocyclic Carbene Catalyzed Synthesis of Functionalized Indenes. Organic Letters, 2017, 19, 4456-4459.	2.4	23
922	Carbodicarbenes: Unexpected Ï€-Accepting Ability during Reactivity with Small Molecules. Journal of the American Chemical Society, 2017, 139, 12830-12836.	6.6	57

#	Article	IF	Citations
924	Iron Nâ€Heterocyclic Carbenes in Reduction Reactions. Israel Journal of Chemistry, 2017, 57, 1151-1159.	1.0	26
925	Ligand Dynamics and Aerobic Allylic Oxidation with Bifunctional Ni(NHC) Complexes. ChemistrySelect, 2017, 2, 6732-6737.	0.7	2
926	Exploiting and Understanding the Selectivity of Ru-N-Heterocyclic Carbene Metathesis Catalysts for the Ethenolysis of Cyclic Olefins to Î±,Ï‰-Dienes. Journal of the American Chemical Society, 2017, 139, 13117-13125.	6.6	70
927	A C₂ Fragment as Fourâ€Electron Ïƒ Donor. Zeitschrift Fur Anorganische Und Allgemeine Chemie, 2017, 643, 1096-1099.	0.6	20
928	Systematic Study of N-Heterocyclic Carbene Coordinate Hydrosilylene Transition-Metal Complexes. Inorganic Chemistry, 2017, 56, 10061-10069.	1.9	27
929	Enantioselective Synthesis of Functionalized Î²-Lactones by NHC-Catalyzed Aldol Lactonization of Ketoacids. Journal of Organic Chemistry, 2017, 82, 9223-9228.	1.7	18
930	Synthesis of Organometallic Compounds. , 2017, , 247-277.		1
931	Esters as Alkynyl Acyl Ammonium and Azolium Precursors: A Formal [2 + 3] Annulation with Amidomalonates via Lewis Base/Lewis Acid Cooperative Catalysis. Organic Letters, 2017, 19, 6724-6727.	2.4	31
932	Multiyne chains chelating osmium via three metal-carbon Ïƒ bonds. Nature Communications, 2017, 8, 1912.	5.8	51
933	Dimerization of a mixed-carbene Pd^{II} dibromide complex by elemental iodine. Acta Crystallographica Section C, Structural Chemistry, 2017, 73, 1131-1136.	0.2	1
934	Enantioselective intermolecular all-carbon [4+2] annulation via N-heterocyclic carbene organocatalysis. Chemical Communications, 2017, 53, 13336-13339.	2.2	12
935	Ru-NHC Catalyzed Domino Reaction of Carbonyl Compounds and Alcohols: A Short Synthesis of Donaxaridine. ACS Omega, 2017, 2, 8234-8252.	1.6	26
936	General Method for the Suzukiâ€“Miyaura Cross-Coupling of Primary Amide-Derived Electrophiles Enabled by [Pd(NHC)(cin)Cl] at Room Temperature. Organic Letters, 2017, 19, 6510-6513.	2.4	60
937	Highly Active Carbene Potassium Complexes for the Ring-Opening Polymerization of Îµ-Caprolactone. Inorganic Chemistry, 2017, 56, 14459-14466.	1.9	19
938	Treten in der Nâ€heterozyklischen Carbenâ€Organokatalyse wirklich Carbene auf?. Angewandte Chemie, 2017, 129, 16613-16617.	1.6	23
939	N-Heterocyclic Carbene Self-Assembled Monolayers on Gold as Surface Plasmon Resonance Biosensors. Langmuir, 2017, 33, 13936-13944.	1.6	34
940	Carbene-catalyzed LUMO activation of alkyne esters for access to functional pyridines. Chemical Communications, 2017, 53, 13359-13362.	2.2	41
941	Novel Gold and Silver Carbene Complexes Exert Antitumor Effects Triggering the Reactive Oxygen Species Dependent Intrinsic Apoptotic Pathway. ChemMedChem, 2017, 12, 2054-2065.	1.6	47

#	Article	IF	Citations
942	Synthesis of N-heterocyclic carbene-Pd(II) complexes and their catalytic activity in the Buchwald-Hartwig amination of aryl chlorides. Tetrahedron, 2017, 73, 7308-7314.	1.0	18
943	N-Heterocyclic carbene-catalyzed sulfa-Michael addition of enals. Chemical Communications, 2017, 53, 13129-13132.	2.2	33
944	Bifunctional N-heterocyclic carbene ligands for Cu-catalyzed direct Câ€“H carboxylation with CO₂. RSC Advances, 2017, 7, 52496-52502.	1.7	33
945	Computational Study on Î³-Câ€“H Functionalization of Î±,Î²-Unsaturated Ester Catalyzed by N-Heterocyclic Carbene: Mechanisms, Origin of Stereoselectivity, and Role of Catalyst. Journal of Organic Chemistry, 2017, 82, 13043-13050.	1.7	55
946	Sustainable and Selective Monomethylation of Anilines by Methanol with Solid Molecular NHC-Ir Catalysts. ACS Sustainable Chemistry and Engineering, 2017, 5, 11744-11751.	3.2	70
947	An Extremely Electron Poor Cationic Triazoliumylidene N-Heterocyclic Carbene: Experimental and Computational Studies. Organometallics, 2017, 36, 4443-4450.	1.1	16
948	Structural Characterization of Tridentate N-Heterocyclic Carbene Titanium(IV) Benzyloxide, Silyloxide, Acetate, and Azide Complexes and Assessment of Their Efficacies for Catalyzing the Copolymerization of Cyclohexene Oxide with CO₂. Organometallics, 2017, 36, 4477-4489.	1.1	21
949	Carbene-Catalyzed Formal [5 + 5] Reaction for Coumarin Construction and Total Synthesis of Defucogilvocarcins. Organic Letters, 2017, 19, 6188-6191.	2.4	29
950	Triazaphospholeniumâ€tetrafluoroborat: das Phosphoranalogon eines von 1,2,3â€Triazol abgeleiteten Carbens. Angewandte Chemie, 2017, 129, 16706-16712.	1.6	12
951	Oxidative Asymmetric [2 + 3] Annulation of Aldehydes with Azomethine Imines Enabled by N-Heterocyclic Carbene Catalysis. Organic Letters, 2017, 19, 6100-6103.	2.4	49
952	The Need for an Alternative to Radicals as the Cause of Fragmentation of a Thiaminâ€Đerived Breslow Intermediate. Angewandte Chemie, 2017, 129, 6418-6420.	1.6	0
953	Two Structurally Characterized Conformational Isomers with Different Câˆ’P Bonds. Chemistry - A European Journal, 2017, 23, 12153-12157.	1.7	43
954	Sulfonamide vs. sulfonimide: tautomerism and electronic structure analysis of N-heterocyclic arenesulfonamides. New Journal of Chemistry, 2017, 41, 8118-8129.	1.4	18
955	Complexes of Ni(<scp>i</scp>): a â€œrareâ€•oxidation state of growing importance. Chemical Society Reviews, 2017, 46, 5347-5399.	18.7	165
956	Triazolylidene Iron(II) Piano-Stool Complexes: Synthesis and Catalytic Hydrosilylation of Carbonyl Compounds. Organometallics, 2017, 36, 2902-2913.	1.1	49
957	Enantioselective [3 + 2] Annulation of Enals with 2-Aminoacrylates Catalyzed by N-Heterocyclic Carbene. Organic Letters, 2017, 19, 3943-3946.	2.4	26
958	Pd-PEPPSI: Pd-NHC Precatalyst for Suzukiâ€“Miyaura Cross-Coupling Reactions of Amides. Journal of Organic Chemistry, 2017, 82, 6638-6646.	1.7	102
959	Access to Amide from Aldimine via Aerobic Oxidative Carbene Catalysis and LiCl as Cooperative Lewis Acid. Organic Letters, 2017, 19, 3362-3365.	2.4	67

#	Article	IF	Citations
960	Single Electron Delivery to Lewis Pairs: An Avenue to Anions by Small Molecule Activation. Journal of the American Chemical Society, 2017, 139, 10062-10071.	6.6	60
961	On the binding modes of metal NHC complexes with DNA secondary structures: implications for therapy and imaging. Chemical Communications, 2017, 53, 8249-8260.	2.2	64
962	Î±â€Unsubstituted Pyrroles by NHCâ€Catalyzed Threeâ€Component Coupling: Direct Synthesis of a Versatile Atorvastatin Derivative. Chemistry - A European Journal, 2017, 23, 10773-10776.	1.7	32
963	A Method for the Analysis of Free Carbenes Present after NHCâ€Organocatalyzed Transformations. European Journal of Organic Chemistry, 2017, 2017, 4500-4506.	1.2	12
964	Study of Monomeric Copper Complexes Supported by N-Heterocyclic and Acyclic Diamino Carbenes. Organometallics, 2017, 36, 2800-2810.	1.1	24
965	First direct evidence of N-heterocyclic carbene in BMIm acetate ionic liquids. An electrochemical and chemical study on the role of temperature. New Journal of Chemistry, 2017, 41, 7840-7843.	1.4	30
966	Privileged chiral N-heterocyclic carbene ligands for asymmetric transition-metal catalysis. Chemical Society Reviews, 2017, 46, 4845-4854.	18.7	342
967	A palladium-catalyzed synthesis of (hetero)aryl-substituted imidazoles from aryl halides, imines and carbon monoxide. Chemical Science, 2017, 8, 1002-1007.	3.7	39
968	Palladium(II) Acetylide Complexes with Pincerâ€Type Ligands: Photophysical Properties, Intermolecular Interactions, and Photoâ€cytotoxicity. Chemistry - an Asian Journal, 2017, 12, 145-158.	1.7	29
969	N-Heterocyclic carbene-catalyzed oxidative [3 + 2] annulation of dioxindoles and enals: cross coupling of homoenolate and enolate. Chemical Science, 2017, 8, 1936-1941.	3.7	124
970	Click-based porous cationic polymers for enhanced carbon dioxide capture. Journal of Materials Chemistry A, 2017, 5, 372-383.	5.2	60
971	Remote Câ^'H alkylation and Câ^'C bond cleavage enabled by an in situ generated palladacycle. Nature Chemistry, 2017, 9, 361-368.	6.6	164
972	NHC-based coordination polymers as solid molecular catalysts for reductive amination of biomass levulinic acid. Green Chemistry, 2017, 19, 789-794.	4.6	71
973	Enhanced Ï€â€Backâ€Donation as a Way to Higher Coordination Numbers in d¹⁰ [M(NHC)_n] Complexes: A DFT Study. Chemistry - A European Journal, 2017, 23, 614-622.	1.7	17
974	Coinage Metal Complexes of Bisâ€Alkynylâ€Functionalized Nâ€Heterocyclic Carbenes: Reactivity, Photophysical Properties, and Quantum Chemical Investigations. Chemistry - A European Journal, 2017, 23, 1591-1603.	1.7	16
975	Singleâ€Step Synthesis of Organometallic Molecular Squares from NR,NRâ€²,NRâ€²â€²,NRâ€²â€²â€²â€²Substituted Benzobiscarbenes. Chemistry - A European Journal, 2017, 23, 5939-5942.	1.7	35
976	Using Nâ€Heterocyclic Vinyl Ligands to Access Stable Divinylgermylenes and a Germylium Cation. Angewandte Chemie - International Edition, 2017, 56, 6272-6275.	7.2	71
977	The Interaction of 1,1â€²â€Diphosphaferrocenes with Gold: Molecular Coordination Chemistry and Adsorption on Solid Substrates. European Journal of Inorganic Chemistry, 2017, 2017, 351-359.	1.0	5

#	Article	IF	Citations
978	N-heterocyclic silylenes as powerful steering ligands in catalysis. Journal of Organometallic Chemistry, 2017, 829, 2-10.	0.8	124
979	Long Alkyl Chain NHC Palladium Complexes for the Amination and Hydrodehalogenation of Aryl Chlorides in Lipophilic Media. ChemCatChem, 2017, 9, 547-550.	1.8	25
980	Celluloseâ€supported Nâ€heterocyclic carbene silver complex with pendant ferrocenyl group for diaryl ether synthesis. Applied Organometallic Chemistry, 2017, 31, e3576.	1.7	8
981	Bimetallic Feâ€“Au Carbonyl Clusters Derived from Collmanâ€™s Reagent: Synthesis, Structure and DFT Analysis of Fe(CO)4(AuNHC)2 and [Au3Fe2(CO)8(NHC)2]â˜. Journal of Cluster Science, 2017, 28, 703-723.	1.7	23
982	Synthesis and complexes of imidazolinylidene-based CCC pincer ligands. Inorganica Chimica Acta, 2017, 460, 22-28.	1.2	17
983	Influence of the Headgroup of Azoliumâ€Based Lipids on Their Biophysical Properties and Cytotoxicity. Chemistry - A European Journal, 2017, 23, 5920-5924.	1.7	21
984	The Chemical Bond III. Structure and Bonding, 2017, , .	1.0	3
985	Ballbot-type motion of N-heterocyclic carbenes on gold surfaces. Nature Chemistry, 2017, 9, 152-156.	6.6	192
986	Der Einsatz von Nâ€heterocyclischen Vinylliganden zur Isolierung stabiler Divinylgermylene und eines Germyliumâ€Kations. Angewandte Chemie, 2017, 129, 6368-6372.	1.6	17
987	The Literature of Heterocyclic Chemistry, Part XIV, 2014. Advances in Heterocyclic Chemistry, 2017, , 245-301.	0.9	15
988	Redoxâ€Active Nâ€Heterocyclic Germylenes and Stannylenes with a Ferroceneâ€1,1â€²â€diyl Backbone. Chemistry - A European Journal, 2017, 23, 1187-1199.	1.7	52
989	A Redoxâ€Switchable Germylene and its Ligating Properties in Selected Transition Metal Complexes. Chemistry - A European Journal, 2017, 23, 1173-1186.	1.7	56
990	Novel olefin metathetis catalysts with fluorinated N-alkyl-NÂ´-arylimidazolin-2-ylidene ligands. Russian Chemical Bulletin, 2017, 66, 1601-1606.	0.4	8
991	Synthesis of an ortho -Methyl-N ,Nâ€² -bis(triptycenyl) N-Heterocyclic Carbene Ligand and Its Metal Complexes. European Journal of Inorganic Chemistry, 2017, 2017, 3779-3786.	1.0	7
992	Recent Developments in the Medicinal Applications of Silver-NHC Complexes and Imidazolium Salts. Molecules, 2017, 22, 1263.	1.7	124
993	NHC-catalyzed cleavage of vicinal diketones and triketones followed by insertion of enones and ynones. Beilstein Journal of Organic Chemistry, 2017, 13, 1816-1822.	1.3	9
994	Synthesis and properties of heteroaromatic carbenes of the imidazole and triazole series and their fused analogues. Arkivoc, 2017, 2017, 257-355.	0.3	12
995	Expanding the Scope of Cu(I) Catalyzed â€œClick Chemistryâ€•with Abnormal NHCs: Three-Fold Click to Tris-Triazoles. Catalysts, 2017, 7, 262.	1.6	16

#	Article	IF	Citations
996	Adsorbate-driven cooling of carbene-based molecular junctions. Beilstein Journal of Nanotechnology, 2017, 8, 2060-2068.	1.5	5
997	Steric factors on unsymmetrical O -hydroxyaryl N -Heterocyclic carbene ligands prevailing the stabilization of single stereoisomer of bis-ligated titanium complexes. Journal of Organometallic Chemistry, 2018, 860, 106-116.	0.8	8
998	Crystalline Radicals Derived from Classical Nâ€Heterocyclic Carbenes. Angewandte Chemie - International Edition, 2018, 57, 4765-4768.	7.2	57
999	Catalytic coupling of biomass-derived aldehydes into intermediates for biofuels and materials. Catalysis Science and Technology, 2018, 8, 1777-1798.	2.1	55
1000	Spectroscopic Evidence for Aminomethylene (Hâ^'Cì^â^'NH₂)â€"The Simplest Amino Carbene. Angewandte Chemie, 2018, 130, 5346-5350.	1.6	8
1001	A Bird's Eye View of Atropisomers Featuring a Fiveâ€Membered Ring. European Journal of Organic Chemistry, 2018, 2018, 2417-2431.	1.2	127
1002	Highly Enantioselective [5 + 2] Annulations through Cooperative N-Heterocyclic Carbene (NHC) Organocatalysis and Palladium Catalysis. Journal of the American Chemical Society, 2018, 140, 3551-3554.	6.6	212
1003	Formation and Properties of Poly(Ionic Liquid)â€"Carbene Nanogels Containing Individually Stabilized Silver Species. Chemistry - A European Journal, 2018, 24, 5754-5759.	1.7	3
1004	Insights into the isothiourea-catalyzed asymmetric [4 + 2] annulation of phenylacetic acid with alkylidene pyrazolone. Organic and Biomolecular Chemistry, 2018, 16, 2301-2311.	1.5	31
1005	Catalytic Asymmetric Î²-Câ€"H Functionalizations of Ketones via Enamine Oxidation. Organic Letters, 2018, 20, 1672-1675.	2.4	24
1006	Neutral and cationic cyclic (alkyl)(amino)carbene mercury [cAACâ€"Hg(<scp>ii</scp>)] complexes: scope of hydroamination of alkynes with organomercury compounds. Dalton Transactions, 2018, 47, 6274-6278.	1.6	15
1007	Recent advances in bidentate bis(N-heterocyclic carbene) transition metal complexes and their applications in metal-mediated reactions. Coordination Chemistry Reviews, 2018, 375, 373-388.	9.5	66
1008	Sonogashira-type cross-coupling reactions catalyzed by copper complexes of pincer N-heterocyclic carbenes. Journal of Organometallic Chemistry, 2018, 860, 98-105.	0.8	37
1009	Crystalline Radicals Derived from Classical N-Heterocyclic Carbenes. Angewandte Chemie, 2018, 130, 4855-4858.	1.6	23
1010	Access to Enantioenriched Organosilanes from Enals and Î²â€Silyl Enones: Carbene Organocatalysis. Angewandte Chemie - International Edition, 2018, 57, 4594-4598.	7.2	54
1011	A Highly Active Nâ€Heterocyclic Carbene Manganese(I) Complex for Selective Electrocatalytic CO₂ Reduction to CO. Angewandte Chemie - International Edition, 2018, 57, 4603-4606.	7.2	109
1012	Synthesis, Structures, and Catalytic Properties of Dinuclear Iridium(I) Complexes with a Hexadentate Macrocyclic Diamineâ€Tetracarbene Ligand. European Journal of Inorganic Chemistry, 2018, 2018, 1595-1602.	1.0	5
1013	Computational study on the NHC-catalyzed synthesis of 2,3-disubstituted indoles: mechanism, key intermediate and the role of the catalyst. Organic Chemistry Frontiers, 2018, 5, 1356-1365.	2.3	37

#	Article	IF	Citations
1014	Diversifying Crossâ€Coupling Strategies, Catalysts and Monomers for the Controlled Synthesis of Conjugated Polymers. Chemistry - A European Journal, 2018, 24, 13078-13088.	1.7	67
1015	Optical Properties of Single- and Double-Functionalized Small Diamondoids. Journal of Physical Chemistry A, 2018, 122, 3583-3593.	1.1	10
1016	Can Remote Nâ€Heterocyclic Carbenes Coordinate with Main Group Elements? Synthesis, Structure, and Quantum Chemical Analysis of N⁺â€Centered Complexes. Chemistry - A European Journal, 2018, 24, 6418-6425.	1.7	21
1017	Supported Au Nanoparticles with N-Heterocyclic Carbene Ligands as Active and Stable Heterogeneous Catalysts for Lactonization. Journal of the American Chemical Society, 2018, 140, 4144-4149.	6.6	108
1018	An umpolung of Lewis acidity/basicity at nitrogen by deprotonation of a cyclic (amino)(aryl)nitrenium cation. Chemical Communications, 2018, 54, 4390-4393.	2.2	35
1019	Understanding Anionic â€œLigandlessâ€•Palladium Species in the Mizorokiâ€“Heck Reaction. Inorganic Chemistry, 2018, 57, 5159-5173.	1.9	33
1020	Construction of Bisbenzopyrone via N-Heterocyclic Carbene Catalyzed Intramolecular Hydroacylationâ€“Stetter Reaction Cascade. Organic Letters, 2018, 20, 2676-2679.	2.4	27
1021	Insights into the Nâ€Heterocyclic Carbene (NHC)â€Catalyzed Intramolecular Cyclization of Aldimines: General Mechanism and Role of Catalyst. Chemistry - an Asian Journal, 2018, 13, 1710-1718.	1.7	34
1022	Fast and Slow Release of Catalytically Active Species in Metal/NHC Systems Induced by Aliphatic Amines. Organometallics, 2018, 37, 1483-1492.	1.1	45
1023	Unexpected arene ligand exchange results in the oxidation of an organoruthenium anticancer agent: the first X-ray structure of a proteinâ€“Ru(carbene) adduct. Chemical Communications, 2018, 54, 6120-6123.	2.2	34
1024	Copper-Catalyzed Synthesis of Substituted Quinazolines from Benzonitriles and 2-Ethynylanilines via Carbonâ€“Carbon Bond Cleavage Using Molecular Oxygen. Journal of Organic Chemistry, 2018, 83, 5458-5466.	1.7	44
1025	Enantioselective Hydroamidation of Enals by Trapping of a Transient Acyl Species. Angewandte Chemie - International Edition, 2018, 57, 8503-8507.	7.2	20
1026	Separation of Acetylene from Carbon Dioxide and Ethylene by a Waterâ€Stable Microporous Metalâ€“Organic Framework with Aligned Imidazolium Groups inside the Channels. Angewandte Chemie - International Edition, 2018, 57, 7869-7873.	7.2	218
1027	A C1-symmetric N-heterocyclic carbene catalysed oxidative spiroannulation of isatin-derived enals: highly enantioselective synthesis of spirooxindole Î´-lactones. RSC Advances, 2018, 8, 15444-15447.	1.7	13
1028	Nâ€Heterocyclic Carbeneâ€“Phosphinidene Adducts: Synthesis, Properties, and Applications. European Journal of Inorganic Chemistry, 2018, 2018, 2734-2754.	1.0	85
1029	Transitionâ€Metalâ€Like Behavior of Monovalent Boron Compounds: Reduction, Migration, and Complete Cleavage of CO at a Boron Center. Angewandte Chemie - International Edition, 2018, 57, 8708-8713.	7.2	44
1030	Neutral Binuclear Ag(I) and Au(I) Nâ€Heterocyclic Carbene Complexes of Axially Chiral and Racemic Scaffolds: Synthesis and Characterization. ChemistrySelect, 2018, 3, 4023-4026.	0.7	3
1031	N-Heterocyclic Carbene Promoted Decarboxylation of Lignin-Derived Aromatic Acids. ACS Sustainable Chemistry and Engineering, 2018, 6, 7232-7238.	3.2	19

#	Article	IF	Citations
1032	N-Heterocyclic carbene-stabilized gold nanoparticles with tunable sizes. Dalton Transactions, 2018, 47, 6850-6859.	1.6	43
1033	Medicinal Applications of Gold(I/III)-Based Complexes Bearing N-Heterocyclic Carbene and Phosphine Ligands. Journal of Organometallic Chemistry, 2018, 866, 153-164.	0.8	72
1034	Pd-PEPPSI complexes based on 1,2,4-triazol-3-ylidene ligands as efficient catalysts in the Suzukiâ€"Miyaura reaction. Russian Chemical Bulletin, 2018, 67, 79-84.	0.4	20
1035	Metal-free C(sp²)â€"H functionalization of azoles: K₂CO₃/I₂-mediated oxidation, imination, and amination. Organic and Biomolecular Chemistry, 2018, 16, 4243-4260.	1.5	22
1036	Transitionâ€Metalâ€Free Decarboxylative Propargylic Substitution/Cyclization with either Azolium Enolates or Acyl Anions. Angewandte Chemie - International Edition, 2018, 57, 5714-5719.	7.2	58
1037	Mechanistic Study of Suzukiâ€"Miyaura Crossâ€Coupling Reactions of Amides Mediated by [Pd(NHC)(allyl)Cl] Precatalysts. ChemCatChem, 2018, 10, 3096-3106.	1.8	78
1038	Confinement of Metalâ€"Nâ€Heterocyclic Carbene Complexes to Control Reactivity in Catalytic Reactions. Chemistry - A European Journal, 2018, 24, 12464-12473.	1.7	50
1039	Recent Advances in Imidazoliumylâ€Substituted Phosphorus Compounds. Chemistry - an Asian Journal, 2018, 13, 1388-1405.	1.7	41
1040	Manganese Nâ€Heterocyclic Carbene Complexes for Catalytic Reduction of Ketones with Silanes. ChemCatChem, 2018, 10, 2734-2740.	1.8	51
1041	NHO to aNHC Isomerization at a Pd⁰â€Center. European Journal of Inorganic Chemistry, 2018, 2018, 2584-2588.	1.0	12
1042	Hydroboration Reactivity of Niobium Bis(N-heterocyclic carbene)borate Complexes. Inorganic Chemistry, 2018, 57, 5213-5224.	1.9	16
1043	Zwitterionic Rhodium and Iridium Complexes Based on a Carboxylate Bridge-Functionalized Bis-N-heterocyclic Carbene Ligand: Synthesis, Structure, Dynamic Behavior, and Reactivity. Inorganic Chemistry, 2018, 57, 5526-5543.	1.9	17
1044	Highly active NHCâ€"Pd(<scp>ii</scp>) complexes for cross coupling of aryl chlorides and arylboronic acids: an investigation of the effect of remote bulky groups. New Journal of Chemistry, 2018, 42, 7422-7427.	1.4	15
1045	A Highly Active Nâ€Heterocyclic Carbene Manganese(I) Complex for Selective Electrocatalytic CO₂ Reduction to CO. Angewandte Chemie, 2018, 130, 4693-4696.	1.6	23
1046	Main-Chain Zwitterionic Supramolecular Polymers Derived from N-Heterocyclic Carbeneâ€"Carbodiimide (NHCâ€"CDI) Adducts. Macromolecules, 2018, 51, 3006-3016.	2.2	19
1047	Conceptual Extension of the Degradationâ€"Transformation of N-Heterocyclic Carbenes: Unusual Rearrangements on Osmium. Organometallics, 2018, 37, 3412-3424.	1.1	13
1048	Quantification of the Michael-Acceptor Reactivity of Î±,Î²-Unsaturated Acyl Azolium Ions. Topics in Catalysis, 2018, 61, 585-590.	1.3	6
1049	Access to Enantioenriched Organosilanes from Enals and Î²-Silyl Enones: Carbene Organocatalysis. Angewandte Chemie, 2018, 130, 4684-4688.	1.6	14

#	Article	IF	Citations
1050	N-Heterocyclic carbene-catalyzed annulation of ynals with amidines: access to 1,2,6-trisubstituted pyrimidin-4-ones. Chemical Communications, 2018, 54, 4597-4600.	2.2	35
1051	Transitionâ€Metalâ€Like Behavior of Monovalent Boron Compounds: Reduction, Migration, and Complete Cleavage of CO at a Boron Center. Angewandte Chemie, 2018, 130, 8844-8849.	1.6	17
1052	Breslow Intermediates from Aromatic Nâ€Heterocyclic Carbenes (Benzimidazolinâ€2â€ylidenes,) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 6	7.2	59
1053	Magnetically retrievable N-heterocyclic carbene-silver complex with wingtip ferrocenyl group for Sonogashira coupling. Journal of Organometallic Chemistry, 2018, 866, 112-122.	0.8	5
1054	Nâ€Heterocyclic Carbeneâ€Catalyzed Double Michael Addition: Stereoselective Synthesis of Spirofluorenes and Multisubstituted Indanes. Advanced Synthesis and Catalysis, 2018, 360, 1704-1710.	2.1	12
1055	Nitrogenâ€Based Lewis Acids: Synthesis and Reactivity of a Cyclic (Alkyl)(Amino)Nitrenium Cation. Angewandte Chemie, 2018, 130, 3380-3384.	1.6	25
1056	Nâ€Heterocyclicâ€Carbeneâ€Treated Gold Surfaces in Pentacene Organic Fieldâ€Effect Transistors: Improved Stability and Contact at the Interface. Angewandte Chemie - International Edition, 2018, 57, 4792-4796.	7.2	60
1057	To â€œRolloverâ€•or Not? Stereoelectronically Guided Câ€“H Functionalization Pathways from Rhodiumâ€“Abnormal NHC Intermediates. ACS Omega, 2018, 3, 1614-1620.	1.6	22
1058	Mit N-heterocyclischen Carbenen behandelte GoldoberflÃ¨chen in Pentacen-Transistoren: Verbesserte StabilitÃ¤t und Kontakt an der GrenzflÃ¨che. Angewandte Chemie, 2018, 130, 4883-4887.	1.6	16
1059	Azoliniums, Adducts, NHCs and Azomethine Ylides: Divergence in Wanzlick Equilibrium and Olefin Metathesis Catalyst Formation. Chemistry - A European Journal, 2018, 24, 4785-4789.	1.7	16
1060	Diastereo- and Enantioselective Synthesis of Spirooxindoles with Contiguous Tetrasubstituted Stereocenters via Catalytic Coupling of Two Tertiary Radicals. Journal of Organic Chemistry, 2018, 83, 2966-2970.	1.7	48
1061	Synthesis of Stable Pentacoordinate Silicon(IV)â€“NHC Adducts: An Entry to Anionic N-Heterocyclic Carbene Ligands. Organometallics, 2018, 37, 517-520.	1.1	22
1062	Zincâ€Containing Radical Anions via Single Electron Transfer to Donorâ€“Acceptor Adducts. Chemistry - A European Journal, 2018, 24, 3980-3983.	1.7	13
1063	New insights in Au-NHCs complexes as anticancer agents. European Journal of Medicinal Chemistry, 2018, 146, 709-746.	2.6	128
1064	Synthesis of a new class of cationic Pd(II) complexes with 1,2,3-triazol-5-ylidene ligand and their catalytic application in the conversion of internal alkynes to 1,2-diketones. Journal of Organometallic Chemistry, 2018, 860, 1-8.	0.8	10
1065	NHC-Catalyzed Hetero-Dielsâ€“Alder Reaction of Allenoate with Chalcone: Synthesis of Polysubstituted Pyranyl Carboxylate. Journal of Organic Chemistry, 2018, 83, 3361-3366.	1.7	26
1066	Pushing Electronsâ€”Which Carbene Ligand for Which Application?. Organometallics, 2018, 37, 273-274.	1.1	3
1067	Water-soluble platinum nanoparticles stabilized by sulfonated N-heterocyclic carbenes: influence of the synthetic approach. Dalton Transactions, 2018, 47, 4093-4104.	1.6	13

#	Article	IF	Citations
1068	Stereoselective Construction of Halogenated Quaternary Carbon Centers by BrÃ¸nsted Base Catalyzed [4+2] Cycloaddition of Î±â€Haloaldehydes. Angewandte Chemie, 2018, 130, 1931-1935.	1.6	13
1069	Enantioselective Nâ€Heterocyclic Carbene Catalysis via the Dienyl Acyl Azolium. Angewandte Chemie - International Edition, 2018, 57, 4712-4716.	7.2	47
1070	Highly Regioâ€•and Stereodivergent Access to 1,2â€Amino Alcohols or 1,4â€Fluoro Alcohols by NHCâ€Catalyzed Ring Opening of Epoxy enals. Angewandte Chemie, 2018, 130, 1661-1665.	1.6	15
1071	Enantioselective Nâ€Heterocyclic Carbene Catalysis via the Dienyl Acyl Azolium. Angewandte Chemie, 2018, 130, 4802-4806.	1.6	36
1072	Nickel-Catalyzed C(sp³)â€“H Arylation of Diarylmethane Derivatives with Aryl Fluorides. Journal of Organic Chemistry, 2018, 83, 2993-2999.	1.7	28
1073	Iridium and Rhodium Complexes Containing Enantiopure Primary Amine-Tethered N-Heterocyclic Carbenes: Synthesis, Characterization, Reactivity, and Catalytic Asymmetric Hydrogenation of Ketones. Organometallics, 2018, 37, 491-504.	1.1	22
1074	Nitrogenâ€Based Lewis Acids: Synthesis and Reactivity of a Cyclic (Alkyl)(Amino)Nitrenium Cation. Angewandte Chemie - International Edition, 2018, 57, 3322-3326.	7.2	57
1075	Silver, Gold, Palladium, and Platinum N-heterocyclic Carbene Complexes Containing a Selenoether-Functionalized Imidazol-2-ylidene Moiety. Organometallics, 2018, 37, 298-308.	1.1	24
1076	Metal-Free and Selective Oxidation of Furfural to Furoic Acid with an N-Heterocyclic Carbene Catalyst. ACS Sustainable Chemistry and Engineering, 2018, 6, 3434-3442.	3.2	67
1077	Direct Synthesis of Polysubstituted Aldehydes via Visibleâ€Light Catalysis. Angewandte Chemie, 2018, 130, 2196-2200.	1.6	19
1078	Ruthenium(II)â€(pâ€cymene)â€Nâ€Heterocyclic Carbene Complexes for the Nâ€Alkylation of Amine Using the Green Hydrogen Borrowing Methodology. European Journal of Inorganic Chemistry, 2018, 2018, 1236-1243.	1.0	33
1079	Embedded Multireference Coupled Cluster Theory. Journal of Chemical Theory and Computation, 2018, 14, 693-709.	2.3	30
1080	Enantioselective Dearomatization of Alkylpyridiniums by N-Heterocyclic Carbene-Catalyzed Nucleophilic Acylation. Journal of Organic Chemistry, 2018, 83, 2050-2057.	1.7	40
1081	Katalyse durch Nâ€heterocyclische Carbene Ã¼ber Azoliumdienolate: eine effiziente Strategie fÃ¼r enantioselektive Funktionalisierungen an entfernten Positionen. Angewandte Chemie, 2018, 130, 3924-3935.	1.6	69
1082	Synthesis and Structure of Carbodicarbenes and Their Application in Catalysis. Structure and Bonding, 2018, , 51-71.	1.0	6
1083	Enantioselective [3+3] atroposelective annulation catalyzed by N-heterocyclic carbenes. Nature Communications, 2018, 9, 611.	5.8	105
1084	NHCâ€Catalyzed Efficient Syntheses of Isoquinolinones or Isochromanones through Formal [4+2] Cycloaddition of oâ€Quinodimethanes with Acylhydrazones or Ketones. ChemistrySelect, 2018, 3, 1708-1712.	0.7	19
1085	Spectroscopic Evidence for Aminomethylene (Hâ€²Cˆâ€²NH₂)â€”The Simplest Amino Carbene. Angewandte Chemie - International Edition, 2018, 57, 5248-5252.	7.2	34

#	Article	IF	Citations
1086	Pushing Electronsâ€"Which Carbene Ligand for Which Application?. Organometallics, 2018, 37, 275-289.	1.1	199
1088	Synergistic Nâ€Heterocyclic Carbene/Palladiumâ€Catalyzed Reactions of Aldehyde Acyl Anions with either Diarylmethyl or Allylic Carbonates. Angewandte Chemie - International Edition, 2018, 57, 2938-2942.	7.2	63
1089	N-Heterocyclic Carbenes as a Robust Platform for Surface-Enhanced Raman Spectroscopy. Journal of the American Chemical Society, 2018, 140, 1247-1250.	6.6	45
1090	Polar organometallic strategies for regioselective Câ€"H metallation of N-heterocyclic carbenes. Chemical Communications, 2018, 54, 2455-2462.	2.2	24
1091	Synergistic Nâ€Heterocyclic Carbene/Palladiumâ€Catalyzed Reactions of Aldehyde Acyl Anions with either Diarylmethyl or Allylic Carbonates. Angewandte Chemie, 2018, 130, 2988-2992.	1.6	20
1092	Probing Cyclic Ïâ€Electron Delocalization in an Imidazolâ€2â€ylidene and a Corresponding Imidazolium Salt. Chemistry - A European Journal, 2018, 24, 4973-4981.	1.7	8
1093	The Viability of C5â€Protonatedâ€and C4,C5â€Ditopic Carbanionic Abnormal NHCs: A New Dimension in NHC Chemistry. Chemistry - A European Journal, 2018, 24, 3716-3720.	1.7	36
1094	Synthesis of 4-Difluoromethylquinolines by NHC-Catalyzed Umpolung of Imines. Organic Letters, 2018, 20, 1086-1089.	2.4	53
1095	Stereoselective Construction of Halogenated Quaternary Carbon Centers by BrÃ¸nsted Base Catalyzed [4+2] Cycloaddition of Îâ€Haloaldehydes. Angewandte Chemie - International Edition, 2018, 57, 1913-1917.	7.2	78
1096	Biradicaloid and Zwitterion Reactivity of Dicarbondiphosphide Stabilized with Nâ€Heterocyclic Carbenes. Chemistry - A European Journal, 2018, 24, 4849-4855.	1.7	25
1097	Synthesis and reactivity of [M(Î·3-allyl)(Î·2-amidinato)(CO)2(phosphonium ylide)] (Mâ€¯=â€¯Mo, W): Investigation of the ligand properties of phosphonium ylides. Inorganica Chimica Acta, 2018, 471, 310-315.	1.2	2
1098	1,6â€Conjugate Addition of 1,3â€Dicarbonyl Compounds to paraâ€Quinone Methides Enabled by Noncovalent Nâ€Heterocyclic Carbene Catalysis. Asian Journal of Organic Chemistry, 2018, 7, 477-486.	1.3	16
1099	Iridium complexes with monodentate N-heterocyclic carbene ligands. Coordination Chemistry Reviews, 2018, 375, 13-68.	9.5	49
1100	Addition of N-Heterocyclic Carbene Catalyst to Aryl Esters Induces Remote Câ€"Si Bond Activation and Benzylic Carbon Functionalization. Organic Letters, 2018, 20, 333-336.	2.4	38
1101	Highly Regioâ€and Stereodivergent Access to 1,2â€Amino Alcohols or 1,4â€Fluoro Alcohols by NHCâ€Catalyzed Ring Opening of Epoxy enals. Angewandte Chemie - International Edition, 2018, 57, 1645-1649.	7.2	42
1102	Nickel-Catalyzed Suzukiâ€"Miyaura Coupling of Aliphatic Amides. ACS Catalysis, 2018, 8, 1003-1008.	5.5	88
1103	N-Heterocyclic Carbene-Catalyzed Umpolung of Î²,Î³-Unsaturated 1,2-Diketones. Organic Letters, 2018, 20, 64-67.	2.4	41
1104	Synthetic routes to a coordinatively unsaturated ruthenium complex supported by a tripodal, protic bis(N-heterocyclic carbene) phosphine ligand. Dalton Transactions, 2018, 47, 1276-1283.	1.6	13

#	Article	IF	Citations
1105	Azaborines: synthesis and use in the generation of stabilized boron-substituted carbocations. Dalton Transactions, 2018, 47, 1791-1795.	1.6	8
1106	Mechanistic Study of the Nickel-Catalyzed Î±,Î²-Coupling of Saturated Ketones. ACS Catalysis, 2018, 8, 1740-1747.	5.5	14
1107	N-Heterocyclic carbene promoted enantioselective desymmetrization reaction of diarylalkane-bisphenols. Organic Chemistry Frontiers, 2018, 5, 1101-1107.	2.3	11
1108	Early/Late Heterobimetallic Tantalum/Rhodium Species Assembled Through a Novel Bifunctional NHCâ€OH Ligand. Chemistry - A European Journal, 2018, 24, 4361-4370.	1.7	33
1109	Membrane interactions of ionic liquids and imidazolium salts. Biophysical Reviews, 2018, 10, 735-746.	1.5	38
1110	L₃C₃P₃: Tricarbontriphosphide Tricyclic Radicals and Cations Stabilized by Cyclic (alkyl)(amino)carbenes. Angewandte Chemie, 2018, 130, 204-208.	1.6	22
1111	Oxime Ether Radical Cations Stabilized by Nâ€Heterocyclic Carbenes. Angewandte Chemie, 2018, 130, 268-271.	1.6	7
1112	Direct Synthesis of Polysubstituted Aldehydes via Visibleâ€Light Catalysis. Angewandte Chemie - International Edition, 2018, 57, 2174-2178.	7.2	53
1113	Unusual Rearrangement of an N-Donor-Functionalized N-Heterocyclic Carbene Ligand on Group 8 Metals. Journal of the American Chemical Society, 2018, 140, 1263-1266.	6.6	35
1114	Enantioselective cooperative proton-transfer catalysis using chiral ammonium phosphates. Chemical Communications, 2018, 54, 1473-1476.	2.2	17
1115	An uncommon multicomponent reaction involving nucleophilic heterocyclic carbenes: facile synthesis of fully substituted cyclopentanones. Organic Chemistry Frontiers, 2018, 5, 1202-1208.	2.3	5
1116	Palladium-Catalyzed Heck Cross-Coupling Reactions in Water: A Comprehensive Review. Catalysis Letters, 2018, 148, 489-511.	1.4	127
1117	Pentacoordinated Rhodium(I) Complexes Supported by Coumarin-Functionalized N-Heterocyclic Carbene Ligands. Organometallics, 2018, 37, 191-202.	1.1	26
1118	Benchâ€Stable Nâ€Heterocyclic Carbene Nickel Precatalysts for Câ^'C and Câ^'N Bondâ€Forming Reactions. ChemCatChem, 2018, 10, 2873-2877.	1.8	29
1119	N-Heterocyclic Carbene-Catalyzed Michaelâ€“Michaelâ€“Lactonization Cascade for the Enantioselective Synthesis of Tricyclic Î´-Lactones. Organic Letters, 2018, 20, 2952-2955.	2.4	30
1120	Transitionâ€Metalâ€Free Decarboxylative Propargylic Substitution/Cyclization with either Azolium Enolates or Acyl Anions. Angewandte Chemie, 2018, 130, 5816-5821.	1.6	13
1121	Metalâ€Free Nitrogen Fixation at Boron. Angewandte Chemie - International Edition, 2018, 57, 6738-6740.	7.2	76
1122	Benzoxazole and dioxolane substituted benzimidazoleâ€“based Nâ€“heterocyclic carbeneâ€“silver(I) complexes: Synthesis, structural characterization and inÂvitro antimicrobial activity. Journal of Organometallic Chemistry, 2018, 868, 1-13.	0.8	27

#	Article	IF	Citations
1123	Bâ€“H Bond Activation by an Amidinate-Stabilized Amidosilylene: Non-Innocent Amidinate Ligand. Inorganic Chemistry, 2018, 57, 5879-5887.	1.9	28
1124	Catalytic Asymmetric Oxidative Enamine Transformations. ACS Catalysis, 2018, 8, 5466-5484.	5.5	60
1125	DFT Study on the Mechanism of Hydrogen Storage Based on the Formate-Bicarbonate Equilibrium Catalyzed by an Ir-NHC Complex: An Elusive Intramolecular Câ€“H Activation. Inorganic Chemistry, 2018, 57, 5903-5914.	1.9	5
1126	Stable ruthenium olefin metathesis catalysts bearing symmetrical NHC ligands with primary and secondary N-alkyl groups. Dalton Transactions, 2018, 47, 6615-6627.	1.6	12
1127	One-step chemical functionalization of polyethylene surfaces via diarylcarbene insertion. Materials Letters, 2018, 218, 157-160.	1.3	4
1128	Novel derivatives of the antibiotic NHCâ€“Ag(I) drug candidate SBC3: Synthesis, biological evaluation and 109Ag NMR studies. Polyhedron, 2018, 149, 95-103.	1.0	15
1129	Nâ€Heterocyclic Carbeneâ€Catalyzed Enantioselective Î²â€Amination of Î±â€Bromoenals Enabled by a Protonâ€Shuttling Strategy. European Journal of Organic Chemistry, 2018, 2018, 2958-2962.	1.2	31
1130	Anisotropic and amphoteric characteristics of diverse carbenes. Physical Chemistry Chemical Physics, 2018, 20, 13722-13733.	1.3	4
1131	An air-stable N-heterocyclic carbene iminoxyl borate radical zwitterion. Chemical Communications, 2018, 54, 6824-6827.	2.2	17
1132	Synthesis and Applications of Imidazoquinolines: A Review. Organic Preparations and Procedures International, 2018, 50, 109-244.	0.6	5
1133	A leap forward in iridiumâ€“NHC catalysis: new horizons and mechanistic insights. Chemical Society Reviews, 2018, 47, 2772-2808.	18.7	112
1134	Selective Initiation from Unprotected Aminoalcohols for the N-Heterocyclic Carbene-Organocatalyzed Ring-Opening Polymerization of 2-Methyl-N-tosyl Aziridine: Telechelic and Block Copolymer Synthesis. Macromolecules, 2018, 51, 2533-2541.	2.2	42
1135	Hydrogenation of an iridium-coordinated imidazol-2-ylidene ligand fragment. Chemical Communications, 2018, 54, 3843-3846.	2.2	10
1136	A new poly(Nâ€“heterocyclic carbene Pd complex) immobilized on nano silica: An efficient and reusable catalyst for Suzukiâ€“Miyaura, Sonogashira and Heckâ€“Mizoroki Câ€“C coupling reactions. Journal of Organometallic Chemistry, 2018, 863, 60-69.	0.8	42
1137	Selective synthesis of 1,4,5-trisubstituted imidazoles from Î±-imino ketones prepared by N-heterocyclic-carbene-catalyzed aroylation. Tetrahedron, 2018, 74, 2261-2267.	1.0	10
1138	N-Heterocyclic Carbene Catalyzed Enantioselective [3 + 2] Dearomatizing Annulation of Saturated Carboxylic Esters with N-Iminoisoquinolinium Ylides. Journal of Organic Chemistry, 2018, 83, 3879-3888.	1.7	20
1139	Boronâ€“boron, carbonâ€“carbon and nitrogenâ€“nitrogen bonding in N-heterocyclic carbenes and their diazaboryl and triazole analogues: Wanzlick equilibrium revisited. New Journal of Chemistry, 2018, 42, 6183-6190.	1.4	7
1140	Flexible design of ionic liquids for membrane interactions. Biophysical Reviews, 2018, 10, 747-750.	1.5	16

#	Article	IF	Citations
1141	Isaâ€'NHCâ€'catalyzed intermolecular Stetter reaction of aromatic aldehydes with maleimides: An efficient access to 3â€'aroylsuccinimides. Tetrahedron, 2018, 74, 2079-2084.	1.0	8
1142	Oxidative Coupling of Anionic Abnormal Nâ€Heterocyclic Carbenes: Efficient Access to Janusâ€Type 4,4â€²â€Bis(2 H â€imidazolâ€2â€ylidene)s. Angewandte Chemie, 2018, 130, 8118-8123.	1.6	7
1143	Oxidative Coupling of Anionic Abnormal Nâ€Heterocyclic Carbenes: Efficient Access to Janusâ€Type 4,4â€²â€Bis(2 H â€imidazolâ€2â€ylidene)s. Angewandte Chemie - International Edition, 2018, 57, 7986-7991.	7.2	23
1144	Ni(II)â€Diphosphineâ€Catalyzed Oneâ€Pot Synthesis of Aromatic 1,5â€Diketones. ChemistrySelect, 2018, 3, 2819-2822.	0.7	2
1145	Computational Investigation of Carbeneâ€"Phosphinidenes: Correlation between ³¹P Chemical Shifts and Bonding Features to Estimate the Ï€-Backdonation of Carbenes. Inorganic Chemistry, 2018, 57, 3993-4008.	1.9	31
1146	Bis(amino)cyclopropenylidene Catalyzed Rauhutâ€"Currier Reaction between Î±,Î²-Unsaturated Carbonyl Compounds and para-Quinone Methides. Journal of Organic Chemistry, 2018, 83, 4213-4220.	1.7	48
1147	Smart N-Heterocyclic Carbene Ligands in Catalysis. Chemical Reviews, 2018, 118, 9988-10031.	23.0	759
1148	Palladium(II) pyrazolylâ€"pyridyl complexes containing a sterically hindered N-heterocyclic carbene moiety for the Suzuki-Miyaura cross-coupling reaction. Inorganica Chimica Acta, 2018, 470, 100-105.	1.2	22
1149	A Palladium(II) Complex of a C₄ Chelating Bis(NHC) Diphosphonium Bis(ylide) Ligand. Organometallics, 2018, 37, 673-678.	1.1	20
1150	Cucurbit[n]uril Hostâ€Guest Complexes of Acids, Photoacids, and Super Photoacids. Israel Journal of Chemistry, 2018, 58, 230-243.	1.0	19
1151	Sustainable metal complexes for organic light-emitting diodes (OLEDs). Coordination Chemistry Reviews, 2018, 373, 49-82.	9.5	273
1152	Electrostatics for probing lone pairs and their interactions. Journal of Computational Chemistry, 2018, 39, 488-499.	1.5	37
1153	Synthesis of N-heterocyclic carbene-palladium-PEPPSI complexes and their catalytic activity in the direct C-H bond activation. Journal of Organometallic Chemistry, 2018, 867, 404-412.	0.8	45
1154	Antibacterial and DNA cleavage activity of carbonyl functionalized N -heterocyclic carbene-silver(I) and selenium compounds. Journal of Molecular Structure, 2018, 1155, 362-370.	1.8	31
1155	Sonogashira cross-coupling reaction catalyzed by N-heterocyclic carbene-Pd(II)-PPh3 complexes under copper free and aerobic conditions. Inorganica Chimica Acta, 2018, 469, 325-334.	1.2	28
1156	A strategy to deposit nano metals in multi-layer graphene for scalable synthesis of high performance anode materials in lithium ion battery. Journal of Alloys and Compounds, 2018, 731, 739-744.	2.8	3
1157	Alkylation of cyclic amines with alcohols catalyzed by Ru(II) complexes bearing N -Heterocyclic carbenes. Tetrahedron, 2018, 74, 645-651.	1.0	10
1158	Gold(I)-assisted catalysis â€" a comprehensive view on the [3,3]-sigmatropic rearrangement of allyl acetate. Molecular Physics, 2018, 116, 611-630.	0.8	18

#	Article	IF	Citations
1159	A Structureâ€Based Activity Study of Highly Active Unsymmetrically Substituted NHC Gold(I) Catalysts. Advanced Synthesis and Catalysis, 2018, 360, 106-111.	2.1	23
1160	Experimental and Theoretical Mechanistic Investigation on the Catalytic CO₂ Hydrogenation to Formate by a Carboxylate-Functionalized Bis(N-heterocyclic carbene) Zwitterionic Iridium(I) Compound. Organometallics, 2018, 37, 684-696.	1.1	25
1161	Organocatalytic Asymmetric Synthesis of Sixâ€Membered Carbocycleâ€Based Spiro Compounds. Advanced Synthesis and Catalysis, 2018, 360, 194-228.	2.1	109
1162	Recent Advances on Computational Investigations of Nâ€Heterocyclic Carbene Catalyzed Cycloaddition/Annulation Reactions: Mechanism and Origin of Selectivities. ChemCatChem, 2018, 10, 338-360.	1.8	106
1163	A tridentate CNOâ€donor palladium(II) complex as efficient catalyst for direct Câ€•H arylation: Application in preparation of imidazoleâ€based pushâ€“pull chromophores. Applied Organometallic Chemistry, 2018, 32, e3956.	1.7	24
1164	Silyleneâ€Functionalized Nâ€Heterocyclic Carbene (Siâ^'NHC). Chemistry - A European Journal, 2018, 24, 380-387.	1.7	26
1165	Carbodicarbenes and their Captodative Behavior in Catalysis. ChemCatChem, 2018, 10, 1483-1498.	1.8	32
1166	Self-assembled monolayers of N-heterocyclic carbene on gold: Stability under ultrasonic circumstance and computational study. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2018, 538, 488-493.	2.3	10
1167	The first waterâ€soluble copper(I) complexes bearing sulfonated imidazoleâ€•and benzimidazoleâ€derived Nâ€heterocyclic carbenes: Synthesis and anticancer studies. Applied Organometallic Chemistry, 2018, 32, e4185.	1.7	23
1168	Oxidative Dehydrogenative [2 + 3]-Cyclization of Glycine Esters with Aziridines Leading to Imidazolidines. Organic Letters, 2018, 20, 92-95.	2.4	48
1169	Exploring bis-(amino)cyclopropenylidene as a non-covalent BrÃ¸nsted base catalyst in conjugate addition reactions. Organic and Biomolecular Chemistry, 2018, 16, 384-388.	1.5	18
1170	Catalytic activity of biomimetic model of cytochrome P450 in oxidation of dopamine. Talanta, 2018, 179, 401-408.	2.9	12
1171	Direct Activation of Î²-sp³-Carbons of Saturated Carboxylic Esters as Electrophilic Carbons via Oxidative Carbene Catalysis. Organic Letters, 2018, 20, 260-263.	2.4	31
1172	Imidazolium p-tert-Butylthiacalix[4]arene Amphiphilesâ€”Aggregation in Water Solutions and Binding with Adenosine 5â€²-Triphosphate Dipotassium Salt. BioNanoScience, 2018, 8, 337-343.	1.5	4
1173	Expedient Synthesis of Highly Functionalized Abnormal Carbenegold(I) Complexes. Inorganic Chemistry, 2018, 57, 28-31.	1.9	5
1174	Electrogenerated Nâ€Heterocyclic Olefins: Stability and Catalytic Ability. ChemElectroChem, 2018, 5, 651-658.	1.7	6
1175	NHC catalyzed enantioselective Coates-Claisen rearrangement: a rapid access to the dihydropyran core for oleuropein based secoiridoids. New Journal of Chemistry, 2018, 42, 1832-1839.	1.4	15
1176	L₃C₃P₃: Tricarbontriphosphide Tricyclic Radicals and Cations Stabilized by Cyclic (alkyl)(amino)carbenes. Angewandte Chemie - International Edition, 2018, 57, 198-202.	7.2	42

#	Article	IF	Citations
1177	Influence of Râ€“NHC Coupling on the Outcome of Râ€“X Oxidative Addition to Pd/NHC Complexes (R = Me,) Tj ETQq0 0 0 rgBT /Overlo	1.1	32
1178	Potassium 2â€oxoâ€3â€enoates as Effective and Versatile Surrogates for Î±, Î²â€Unsaturated Aldehydes in NHCâ€Catalyzed Asymmetric Reactions. Advanced Synthesis and Catalysis, 2018, 360, 479-484.	2.1	34
1179	Enantioselective Reactions Catalyzed by Nâ€Heterocyclic Carbenes. Asian Journal of Organic Chemistry, 2018, 7, 54-69.	1.3	54
1180	Control of Nâ€Heterocyclic Carbene Catalyzed Reactions of Enals: Asymmetric Synthesis of Oxindoleâ€Î³â€Amino Acid Derivatives. Angewandte Chemie - International Edition, 2018, 57, 300-304.	7.2	50
1181	Synthesis, Structural Characterization and Antiâ€Proliferative Activity of (Î¹¹â€C)â€and (Î¹²â€C,S)â€Pt^{II} Complexes Bearing Thioetherâ€Functionalized Nâ€Heterocyclic Carbenes. European Journal of Inorganic Chemistry, 2018, 2018, 159-166.	1.0	16
1182	Control of Nâ€Heterocyclic Carbene Catalyzed Reactions of Enals: Asymmetric Synthesis of Oxindoleâ€Î³â€Amino Acid Derivatives. Angewandte Chemie, 2018, 130, 306-310.	1.6	9
1183	Aptamer-mediated selective delivery of a cytotoxic cationic NHC-Au(<scp>i</scp>) complex to cancer cells. Dalton Transactions, 2018, 47, 120-126.	1.6	18
1184	Nâ€Heterocyclic Carbene Catalysis via Azolium Dienolates: An Efficient Strategy for Remote Enantioselective Functionalizations. Angewandte Chemie - International Edition, 2018, 57, 3862-3873.	7.2	239
1185	Oxime Ether Radical Cations Stabilized by Nâ€Heterocyclic Carbenes. Angewandte Chemie - International Edition, 2018, 57, 262-265.	7.2	23
1186	Anticancer metal-N-heterocyclic carbene complexes of gold, platinum and palladium. Current Opinion in Chemical Biology, 2018, 43, 30-36.	2.8	141
1187	Enantioselective Hydrogenation of Imidazo[1,2â€a]pyridines. Chemistry - A European Journal, 2018, 24, 356-359.	1.7	32
1188	New C2-symmetric six-membered carbene ligands for asymmetric diethylzinc addition of arylaldehydes. Arkivoc, 2018, 2018, 1-10.	0.3	1
1189	Non-Classical Anionic Naked N-Heterocyclic Carbenes: Fundamental Properties and Emerging Applications in Synthesis and Catalysis. Catalysts, 2018, 8, 620.	1.6	10
1191	The influence of the cationic carbenes on the initiation kinetics of ruthenium-based metathesis catalysts; a DFT study. Beilstein Journal of Organic Chemistry, 2018, 14, 2872-2880.	1.3	13
1192	Reduction vs. Addition: The Reaction of an Aluminyl Anion with 1,3,5,7â€Cyclooctatetraene. Angewandte Chemie, 2018, 131, 1503.	1.6	123
1193	Metalation behavior of a bis-saturated NHC ligand with a flexible m-xylyl linker. Dalton Transactions, 2018, 47, 17382-17391.	1.6	0
1194	Umpolung cyclization reaction of N-cinnamoylthioureas in the presence of DBU. Organic and Biomolecular Chemistry, 2018, 16, 7910-7919.	1.5	4
1195	Generation and conversion of an N-heterocyclic carbene on Pt(111). Chemical Communications, 2018, 54, 12527-12530.	2.2	23

#	Article	IF	Citations
1196	Boron carbonyl complexes analogous to hydrocarbons. Dalton Transactions, 2018, 47, 17192-17197.	1.6	9
1197	Electron-poor hemilabile dicationic palladium NHC complexes â€“ synthesis, structure and catalytic activity. Dalton Transactions, 2018, 47, 16638-16650.	1.6	12
1198	Poly(styrene)-supported N-heterocyclic carbene coordinated iron chloride as a catalyst for delayed polyurethane polymerization. RSC Advances, 2018, 8, 37339-37347.	1.7	3
1199	Synthesis of 2-substituted benzo[b]thiophenes via gold(<scp>i</scp>)â€“NHC-catalyzed cyclization of 2-alkynyl thioanisoles. Organic and Biomolecular Chemistry, 2018, 16, 9279-9284.	1.5	12
1200	[(NHC)CoR₂]: pre-catalysts for homogeneous olefin and alkyne hydrogenation. Chemical Communications, 2018, 54, 13798-13801.	2.2	19
1201	Antimicrobial Activity and Cytotoxicity of Ag(I) and Au(I) Pillarplexes. Frontiers in Chemistry, 2018, 6, 584.	1.8	22
1202	Access to a Cationic, Electron-Poor N-Heterocyclic Carbene with a Quinazolinium Core by Postsynthetic Modification of Related Neutral Derivatives. Organometallics, 2018, 37, 4276-4286.	1.1	9
1203	1H-1,2,3-Triazol-5-ylidenes: Readily Available Mesoionic Carbenes. Accounts of Chemical Research, 2018, 51, 3236-3244.	7.6	165
1204	Synthesis, structures and anticancer studies of symmetrically and non-symmetrically aliphatic nitrile functionalized silver(I)-N-heterocyclic carbene and palladium(II)-N-heterocyclic carbene complexes. Inorganic and Nano-Metal Chemistry, 2018, 48, 247-256.	0.9	5
1205	Carbene-Catalyzed [4 + 2] Annulation of 2H-Azirine-2-carboxaldehydes with Ketones via Azolium Aza-Dienolate Intermediate. Organic Letters, 2018, 20, 7641-7644.	2.4	24
1206	Homo- and Heteropolymetallic Complexes of the Hybrid, Ambidentate N-Heterocyclic Carbene Ligand IMes-acac. ACS Omega, 2018, 3, 15582-15591.	1.6	5
1207	Double dative bond between divalent carbon(0) and uranium. Nature Communications, 2018, 9, 4997.	5.8	63
1208	Enantioselective N-Heterocyclic Carbene-Catalyzed Synthesis of Spirocyclic Oxindole-benzofuroazepinones. Journal of Organic Chemistry, 2018, 83, 15225-15235.	1.7	67
1209	Highly Stereoselective Assembly of Î±-Carbolinone Skeletons via N-Heterocyclic Carbene-Catalyzed [4 + 2] Annulations. Organic Letters, 2018, 20, 7518-7521.	2.4	40
1210	Can the Radical Channel Contribute to the Catalytic Cycle of N-Heterocyclic Carbene in Benzoin Condensation?. Journal of Organic Chemistry, 2018, 83, 15202-15209.	1.7	10
1211	Bidentate Iminophosphorane-NHC Ligand Derived from the Imidazo[1,5-a]pyridin-3-ylidene Scaffold. Organometallics, 2018, 37, 4726-4735.	1.1	26
1212	Effect of Ancillary Ligand in Cyclometalated Ru(II)â€“NHC-Catalyzed Transfer Hydrogenation of Unsaturated Compounds. Inorganic Chemistry, 2018, 57, 14582-14593.	1.9	51
1213	Participation of Î²-Ketothioamides in N-Heterocyclic Carbene-Catalyzed [3 + 3] Spiroannulation: Asymmetric Synthesis of Functionalized Spiro-piperidinone Derivatives. Journal of Organic Chemistry, 2018, 83, 15245-15255.	1.7	15

#	Article	IF	Citations
1214	Nâ€Heterocyclic Carbene Catalyzed Quadruple Domino Reactions: Asymmetric Synthesis of Cyclopenta[c]chromenones. Angewandte Chemie, 2018, 130, 17346-17349.	1.6	5
1215	Sulfinate and Carbene Coâ€catalyzed Rauhutâ€“Currier Reaction for Enantioselective Access to Azepino[1,2â€a]indoles. Angewandte Chemie, 2019, 131, 487-491.	1.6	13
1217	How Important is Metal-Carbon Back-Bonding for the Stability of Fullerene-Transition Metal Complexes? Role of Cage Sizes, Encapsulated Ions and Metal Ligands. , 0, , .		1
1218	Organometallic Gold-Based Anticancer Therapeutics. , 2018, , .		1
1219	Highly Efficient and Practical N-Heterocyclic Carbene Organocatalyzed Chemoselective N₁/C₃-Functionalization of Isatins with Green Chemistry Principles. ACS Omega, 2018, 3, 17646-17655.	1.6	5
1220	Electronic and ligating properties of carbocyclic carbenes: A theoretical investigation. Journal of Computational Chemistry, 2018, 40, 726.	1.5	7
1221	Reductive CO₂ Homocoupling: Synthesis of a Borylated C₃ Carbohydrate. ChemCatChem, 2019, 11, 760-765.	1.8	11
1222	N-Heterocyclic Carbene-Catalyzed Chemoselective Sâ€“O Bond Cleavage of Benzenesulfonic Carbamate. Organic Letters, 2018, 20, 7607-7610.	2.4	5
1223	Iridium/N-Heterocyclic Carbene Complex-Catalyzed Intermolecular Allylic Alkylation Reaction. Organometallics, 2018, 37, 4763-4772.	1.1	11
1224	Observation of Carbodicarbene Ligand Redox Noninnocence in Highly Oxidized Iron Complexes. Angewandte Chemie, 2018, 130, 15943-15948.	1.6	6
1225	A Robust Pyridyl-NHC-Ligated Rhenium Photocatalyst for CO2 Reduction in the Presence of Water and Oxygen. Inorganics, 2018, 6, 22.	1.2	18
1226	N-Heterocyclic Carbene (NHC) Organocatalytic One-Pot Reaction for the Enantioselective Synthesis of Fluoromethylated Chromenones. Organic Letters, 2018, 20, 6012-6016.	2.4	12
1227	Observation of Carbodicarbene Ligand Redox Noninnocence in Highly Oxidized Iron Complexes. Angewandte Chemie - International Edition, 2018, 57, 15717-15722.	7.2	29
1228	Quantum-Chemical Insights into the Phosphorescence Efficiencies of Blue-Emitting Platinum Complexes with Phenylene-Bridged Pincer Ligands. Inorganic Chemistry, 2018, 57, 12174-12186.	1.9	11
1229	Nâ€Heterocyclic Carbeneâ€Modified Auâ€“Pd Alloy Nanoparticles and Their Application as Biomimetic and Heterogeneous Catalysts. Chemistry - A European Journal, 2018, 24, 18682-18688.	1.7	36
1230	Oxazolium Salts as Organocatalysts for the Umpolung of Aldehydes. Organic Letters, 2018, 20, 6372-6375.	2.4	15
1231	Integration of an Nâ€Heterocyclic Carbene Precursor into a Covalent Triazine Framework for Organocatalysis. Chemistry - A European Journal, 2018, 24, 18629-18633.	1.7	17
1232	Reactions of Pd-PEPPSI complexes with protic acids. Russian Chemical Bulletin, 2018, 67, 1196-1201.	0.4	7

#	Article	IF	Citations
1233	Lithiation of N-Heterocyclic Olefins. Organometallics, 2018, 37, 4473-4480.	1.1	11
1234	Carbene-Catalyzed Enantioselective Addition of Benzylic Carbon to Unsaturated Acyl Azolium for Rapid Synthesis of Pyrrolo[3,2-c]quinolines. ACS Catalysis, 2018, 8, 9859-9864.	5.5	23
1235	Theoretical Investigation of Hydride Insertion into Nâ€Heterocyclic Carbenes Containing N, P, C, O and S Heteroatoms. Chemistry - an Asian Journal, 2018, 13, 3745-3752.	1.7	5
1236	Divergent Dynamic Kinetic Resolution of a Racemic Mixture of Four Stereoisomers via Nâ€Heterocyclic Carbene Organocatalysis. Chemistry - an Asian Journal, 2018, 13, 3838-3844.	1.7	7
1237	Homoâ€•and Heteroligand Polyâ€NHC Metal Assemblies: Synthesis by Narcissistic and Social Selfâ€Sorting. Angewandte Chemie, 2018, 130, 15993-15997.	1.6	28
1238	Homoâ€•and Heteroligand Polyâ€NHC Metal Assemblies: Synthesis by Narcissistic and Social Selfâ€Sorting. Angewandte Chemie - International Edition, 2018, 57, 15767-15771.	7.2	87
1239	N-Heterocyclic Carbene Catalyzed Quadruple Domino Reactions: Asymmetric Synthesis of Cyclopenta[c]chromenones. Angewandte Chemie - International Edition, 2018, 57, 17100-17103.	7.2	29
1240	London Dispersion Interactions in Pnictogen Cations [ECl₂]⁺ and [E=E]²⁺ (E=P, As, Sb) Supported by Anionic Nâ€Heterocyclic Carbenes. Chemistry - A European Journal, 2018, 24, 18922-18932.	1.7	47
1241	Using SERS To Understand the Binding of N-Heterocyclic Carbenes to Gold Surfaces. Journal of Physical Chemistry Letters, 2018, 9, 6779-6785.	2.1	38
1242	Carbene-Catalyzed Construction of Carbazoles from Enals and 2-Methyl-3-oxoacetate Indoles. Journal of Organic Chemistry, 2018, 83, 14210-14217.	1.7	27
1243	A crystalline monosubstituted carbene. Nature Chemistry, 2018, 10, 1196-1200.	6.6	24
1244	A Metalâ€Containing Nâ€Heterocyclic Germylene Based on an Oxalamidine Framework. Zeitschrift Fur Anorganische Und Allgemeine Chemie, 2018, 644, 1115-1122.	0.6	4
1245	Oxidative NHC Catalysis for the Generation of Imidoyl Azoliums: Synthesis of Benzoxazoles. Journal of Organic Chemistry, 2018, 83, 14820-14826.	1.7	45
1246	Enantioselective N-Heterocyclic Carbene-Catalyzed Cascade Reaction for the Synthesis of Pyrroloquinolines via Nâ€“H Functionalization of Indoles. Organic Letters, 2018, 20, 6998-7002.	2.4	57
1247	Controlled Polymerization of a Cyclopentadithiopheneâ€“Phenylene Alternating Copolymer. Macromolecules, 2018, 51, 9043-9051.	2.2	6
1248	Synthesis of 4-acylcoumarins by NHC-catalyzed nucleophilic substitution. Tetrahedron Letters, 2018, 59, 4276-4278.	0.7	2
1249	Synthesis and Characterization of [(NHC)Ni(styrene)2] Complexes: Isolation of Monocarbene Nickel Complexes and Benchmarking of %VBur in (NHC)Ni-Iâ€ Systems. Organometallics, 2018, 37, 3687-3697.	1.1	16
1250	Fine-tuning the efficiency of para-hydrogen-induced hyperpolarization by rational N-heterocyclic carbene design. Nature Communications, 2018, 9, 4251.	5.8	71

#	Article	IF	Citations
1251	Self-assembling Properties of an <i>N</i>-Heterocyclic Carbene-based Metallosurfactant: Pd-Coordination Induced Formation of Reactive Interfaces in Water. Journal of Oleo Science, 2018, 67, 1107-1115.	0.6	10
1252	Phenoxide chelated Ir(<scp>iii</scp>) N-heterocyclic carbene complexes: synthesis, characterization, and evaluation of their in vitro anticancer activity. Dalton Transactions, 2018, 47, 13781-13787.	1.6	13
1253	Elucidating the Binding Modes of N-Heterocyclic Carbenes on a Gold Surface. Journal of the American Chemical Society, 2018, 140, 11889-11892.	6.6	90
1254	Enantioselective access to multi-cyclic Î±-amino phosphonates via carbene-catalyzed cycloaddition reactions between enals and six-membered cyclic imines. Organic Chemistry Frontiers, 2018, 5, 2992-2996.	2.3	26
1255	Carbon Dioxide Electroreduction Catalyzed by Organometallic Complexes. Advances in Organometallic Chemistry, 2018, 70, 1-69.	0.5	5
1256	Temperature-dependent elongation of the H H bond in dihydrogen complexes of Ru(II) bearing an NHC ligand: Effect of the NHC and trans ligands. Inorganica Chimica Acta, 2018, 483, 411-424.	1.2	3
1257	Synthesis and Cytotoxicity Studies of Novel NHC*-Gold(I) Complexes Derived from Lepidiline A. Molecules, 2018, 23, 2031.	1.7	20
1258	Novel iron(II)-N-heterocyclic carbene catalysts for efficient transfer hydrogenations under mild condition. Molecular Catalysis, 2018, 459, 71-77.	1.0	13
1259	Is the formation of N-heterocyclic carbenes (NHCs) a feasible mechanism for the distillation of imidazolium ionic liquids?. Physical Chemistry Chemical Physics, 2018, 20, 24716-24725.	1.3	4
1260	Group 15 biradicals: synthesis and reactivity of cyclobutane-1,3-diyl and cyclopentane-1,3-diyl analogues. Dalton Transactions, 2018, 47, 12827-12837.	1.6	42
1261	[4-(Ph3 B)-2,6-Mes2 Py]â^' : A Sterically Demanding Anionic Pyridine. Chemistry - A European Journal, 2018, 24, 16851-16856.	1.7	6
1262	Substitution effects on 1,3-disubstituted imidazol-2-ylidenes and 1,3-diarylimidazol-2-ylidenes revisited: a theoretical study at DFT level. Monatshefte FÃ¼r Chemie, 2018, 149, 1971-1978.	0.9	1
1263	Click-Derived Triazolylidenes as Chelating Ligands: Achievement of a Neutral and Luminescent Iridium(III)â€“Triazolide Complex. Inorganic Chemistry, 2018, 57, 11673-11686.	1.9	35
1264	Highly Reactive Cyclic(alkyl)(amino) Carbene- and N-Heterocyclic Carbene-Bismuth(III) Complexes: Synthesis, Structure, and Computations. Inorganic Chemistry, 2018, 57, 11687-11695.	1.9	24
1265	Impact of Protic Ligands in the Ir-Catalyzed Dehydrogenation of Formic Acid in Water. Organometallics, 2018, 37, 3611-3618.	1.1	18
1266	Synthesis of Ruthenium Complexes Bearing PCP-Type Pincer Ligands and Their Application to Direct Synthesis of Imines from Amines and Benzyl Alcohol. Organometallics, 2018, 37, 3086-3092.	1.1	33
1267	PEPPSI-type complexes with small NHC ligands obtained according to the new method efficiently catalyzed Suzuki-Miyaura reaction. Journal of Organometallic Chemistry, 2018, 867, 323-332.	0.8	10
1268	Investigation of metallation/transmetallation reactions to synthesize a series of CCCâ€“NHC Co pincer complexes and their X-ray structures. Polyhedron, 2018, 151, 568-574.	1.0	10

#	Article	IF	Citations
1269	Grignard Reagents and Palladium. ChemistrySelect, 2018, 3, .	0.7	0
1270	Pd(<scp>ii</scp>)â€“NHC coordination-driven formation of water-soluble catalytically active single chain nanoparticles. Polymer Chemistry, 2018, 9, 3199-3204.	1.9	22
1271	Ruthenium nanoparticles ligated by cholesterol-derived NHCs and their application in the hydrogenation of arenes. Chemical Communications, 2018, 54, 7070-7073.	2.2	36
1272	Breslowâ€Intermediate aromatischer Nâ€heterocyclischer Carbene (Benzimidazolinâ€2â€ylidene,) Tj ETQq1 1 0.784314 rgBT /Overlo	1.6	25
1273	Nâ€Heterocyclic Carbeneâ€Catalyzed Annulation of Ylides with Ynals: Direct Access to Î±â€Pyrones. Chemistry - an Asian Journal, 2018, 13, 2427-2430.	1.7	13
1274	Carbeniophosphines versus Phosphoniocarbenes: The Role of the Positive Charge. Chemistry - an Asian Journal, 2018, 13, 1872-1887.	1.7	23
1275	Divergent, Enantioselective Synthesis of Pyrroles, 3Hâ€Pyrroles and Bicyclic Imidazolines by Agâ€•or Pâ€Catalyzed [3+2] Cycloaddition of Allenoates with Activated Isocyanides. Chemistry - A European Journal, 2018, 24, 10513-10520.	1.7	23
1276	Synthesis of Heterobimetallic Complexes by Coordination of Rhodium(III) and Iridium(III) Poly-N,O-NHC Complexes to Silver(I), Copper(II), and Zinc(II). Organometallics, 2018, 37, 1801-1812.	1.1	5
1277	Synthesis of topologically constrained naphthalimide appended palladium(ii)â€“N-heterocyclic carbene complexes â€“ insights into additive controlled product selectivity. Organic and Biomolecular Chemistry, 2018, 16, 4357-4364.	1.5	6
1278	An N-heterocyclic carbene ligand promotes highly selective alkyne semihydrogenation with copper nanoparticles supported on passivated silica. Chemical Science, 2018, 9, 5366-5371.	3.7	52
1279	â€œAbnormalâ€•Addition of NHC to a Conjugate Acid of CAAC: Formation of Nâ€Alkylâ€Substituted CAAC. Chemistry - A European Journal, 2018, 24, 12722-12727.	1.7	10
1280	Addressable Cholesterol Analogs for Live Imaging of Cellular Membranes. Cell Chemical Biology, 2018, 25, 952-961.e12.	2.5	22
1281	Highly Enantioselective Kinetic Resolution of Michael Adducts through Nâ€Heterocyclic Carbene Catalysis: An Efficient Asymmetric Route to Cyclohexenes. Chemistry - A European Journal, 2018, 24, 9735-9738.	1.7	11
1282	Reusable N-Heterocyclic Carbene Complex Catalysts and Beyond: A Perspective on Recycling Strategies. Chemical Reviews, 2018, 118, 9843-9929.	23.0	169
1283	Organometallic compounds in the discovery of new agents against kinetoplastid-caused diseases. European Journal of Medicinal Chemistry, 2018, 155, 459-482.	2.6	25
1284	Computational Analysis of the Intramolecular Oxidative Amination of an Alkene Catalyzed by the Extreme Ï€-Loading N-Heterocyclic Carbene Pincer Tantalum(V) Bis(imido) Complex. Organometallics, 2018, 37, 1671-1681.	1.1	11
1285	Insights into the NHC-catalyzed cascade Michael/aldol/lactamization reaction: mechanism and origin of stereoselectivity. Organic Chemistry Frontiers, 2018, 5, 2065-2072.	2.3	35
1286	Two Amphoteric Silver Carbene Clusters. Angewandte Chemie, 2018, 130, 8221-8226.	1.6	11

#	Article	IF	Citations
1287	Coumarazâ€2â€onâ€4â€ylidene: Ambiphilic Nâ€Heterocyclic Carbenes with a Tunable Electronic Structure. Angewandte Chemie, 2018, 130, 8739-8743.	1.6	11
1288	Coumarazâ€2â€onâ€4â€ylidene: Ambiphilic Nâ€Heterocyclic Carbenes with a Tunable Electronic Structure. Angewandte Chemie - International Edition, 2018, 57, 8603-8607.	7.2	23
1289	Enantioselective Hydroamidation of Enals by Trapping of a Transient Acyl Species. Angewandte Chemie, 2018, 130, 8639-8643.	1.6	7
1290	Separation of Acetylene from Carbon Dioxide and Ethylene by a Waterâ€Stable Microporous Metalâ€“Organic Framework with Aligned Imidazolium Groups inside the Channels. Angewandte Chemie, 2018, 130, 7995-7999.	1.6	64
1291	Preparation and Post-Assembly Modification of Metallosupramolecular Assemblies from Poly(N-Heterocyclic Carbene) Ligands. Chemical Reviews, 2018, 118, 9587-9641.	23.0	254
1292	Constructing reactive Fe and Co complexes from isolated picolyl-functionalized N-heterocyclic carbenes. Dalton Transactions, 2018, 47, 9889-9896.	1.6	29
1293	Bispentiptycenylâ€Nâ€Heterocyclic Carbene (NHC) Gold Complexes: Highly Active Catalysts for the Room Temperature Hydration of Alkynes. Advanced Synthesis and Catalysis, 2018, 360, 3572-3578.	2.1	27
1294	N-Heterocyclic carbenes as chiral BrÃ¸nsted base catalysts: a highly diastereo- and enantioselective 1,6-addition reaction. Chemical Science, 2018, 9, 6446-6450.	3.7	44
1295	4-Phosphino-1,2,3-triazol-5-ylidenes: Stable Bridging Ligands for Coinage Metal Complexes. Organometallics, 2018, 37, 2010-2013.	1.1	20
1296	Versatile Micropatterns of Nâ€Heterocyclic Carbenes on Gold Surfaces: Increased Thermal and Pattern Stability with Enhanced Conductivity. Angewandte Chemie - International Edition, 2018, 57, 11465-11469.	7.2	72
1297	Fluorescent organometallic rhodium(I) and ruthenium(II) metallodrugs with 4-ethylthio-1,8-naphthalimide ligands: Antiproliferative effects, cellular uptake and DNA-interaction. European Journal of Medicinal Chemistry, 2018, 156, 148-161.	2.6	46
1298	Carbene Complexes of Stannocenes. Inorganic Chemistry, 2018, 57, 8050-8053.	1.9	18
1299	Highly Ambiphilic Room Temperature Stable Six-Membered Cyclic (Alkyl)(amino)carbenes. Journal of the American Chemical Society, 2018, 140, 9255-9260.	6.6	107
1300	Enantioselective synthesis of 2-oxazolidinones by ruthenium(<scp>ii</scp>)â€“NHC-catalysed asymmetric hydrogenation of 2-oxazolones. Chemical Science, 2018, 9, 6260-6263.	3.7	24
1301	Distinct Palladium(II) Carbene Complexes Supported by Six-Membered 1,3-Disubstituted Permidin-2-ylidene, Six-Membered N-Heterocyclic Carbenes. ACS Omega, 2018, 3, 6587-6594.	1.6	7
1302	Complexes Bearing Protic N-Heterocyclic Carbene Ligands. Chemical Reviews, 2018, 118, 9642-9677.	23.0	138
1303	Recent Progress in (Dynamic) Kinetic Resolution Catalyzed by Nâ€Heterocyclic Carbenes. Chemistry - an Asian Journal, 2018, 13, 2184-2194.	1.7	29
1304	Complexes of NHC-Based CEC Pincer Ligands. , 2018, , 173-189.		3

#	Article	IF	Citations
1305	Metalation and Transmetalation Chemistry of Pyridine- and Aryl-Linked Bis-NHC Pincer Ligands. , 2018, , 431-449.		3
1306	NHCs in Main Group Chemistry. Chemical Reviews, 2018, 118, 9678-9842.	23.0	563
1307	Synthesis, Characterization, and Catalytic Studies of Unsymmetrical Chiral NCC Pincer Pd(II) and Ni(II) Complexes Bearing (Imidazolinyl)aryl NHC Ligands. Organometallics, 2018, 37, 2325-2334.	1.1	25
1308	Stereoelectronic Flexibility of Ammonium-Functionalized Triazole-Derived Carbenes: Palladation and Catalytic Activities in Water. Organometallics, 2018, 37, 2358-2367.	1.1	27
1309	Vielseitige Mikrostrukturen aus Nâ€heterocyclischen Carbenen auf GoldoberflÃchen: ErhÃ¶hte thermische und StrukturstabilitÃt mit erhÃ¶hter LeitfÃhigkeit. Angewandte Chemie, 2018, 130, 11637-11641.	1.6	24
1310	Nâ€Formylation of Amines with CO₂ and H₂ by Using NHCâ€“Iridium Coordination Assemblies as Solid Molecular Catalysts. Chemistry - an Asian Journal, 2018, 13, 3018-3021.	1.7	32
1311	Green, Efficient and Reusable Bis(imidazolium) Ionic Liquids Promoted Pd-Catalyzed Aqueous Suzuki Reaction for Organic Functional Materials. Catalysis Letters, 2018, 148, 2696-2702.	1.4	10
1312	Origin of ligand-driven selectivity in alkyne semihydrogenation over silica-supported copper nanoparticles. Journal of Catalysis, 2018, 364, 437-445.	3.1	21
1313	In Situ Formation of N-Heterocyclic Carbene-Bound Single-Molecule Junctions. Journal of the American Chemical Society, 2018, 140, 8944-8949.	6.6	54
1314	Issues Particular to Organometallic Reactions. , 2018, , 519-539.		0
1315	PEPPSI-type palladium 1,2,3-triazolin-5-ylidene complexes â€“ Synthesis, structure and catalytic properties in Suzuki-Miyaura coupling. Inorganica Chimica Acta, 2018, 482, 317-323.	1.2	7
1316	Insights into the N-Heterocyclic Carbene (NHC)-Catalyzed Oxidative Î³-C(sp³)â€“H Deprotonation of Alkylenals and Cascade [4 + 2] Cycloaddition with Alkenylisoxazoles. Journal of Organic Chemistry, 2018, 83, 8543-8555.	1.7	61
1317	Addition, Substitution, and Ring-Contraction Reactions of Quinones with N-Heterocyclic Carbenes. Journal of Organic Chemistry, 2018, 83, 9240-9249.	1.7	2
1318	The influence of NHCs on Câ€“Si and Câ€“C reductive elimination: a computational study of the selectivity of Ni-catalyzed Câ€“H activation of arenes with vinylsilanes. Chemical Communications, 2018, 54, 7912-7915.	2.2	9
1319	Rh(CAAC)-Catalyzed Arene Hydrogenation: Evidence for Nanocatalysis and Sterically Controlled Site-Selective Hydrogenation. ACS Catalysis, 2018, 8, 8441-8449.	5.5	94
1320	A clickable NHCâ€“Au(<scp>i</scp>)-complex for the preparation of stimulus-responsive metallopeptide amphiphiles. Chemical Communications, 2018, 54, 9498-9501.	2.2	11
1321	Câ€“H activation-annulation on the N-heterocyclic carbene platform. RSC Advances, 2018, 8, 27881-27891.	1.7	35
1322	Recent Advances in the Organocatalytic Enantioselective Synthesis of Functionalized Î²â€Lactones. Chemistry - an Asian Journal, 2018, 13, 2333-2349.	1.7	45

#	Article	IF	Citations
1323	N-Heterocyclic Carbene-Catalyzed Î±,Î²-Unsaturated Aldehydes Umpolung in Fullerene Chemistry: Construction of [60]Fullerene-Fused Cyclopentan-1-ones and Cyclohex-2-en-1-ones. Organic Letters, 2018, 20, 4801-4805.	2.4	36
1324	Stable Organic Radicals Derived from Nâ€Heterocyclic Carbenes. Chemistry - A European Journal, 2018, 24, 19110-19121.	1.7	66
1325	2,2â€²,6,6â€²â€Tetraisopropylbenzidineâ€Based Sterically Encumbered Ditopic C₂â€Symmetric Ligand Systems and Supramolecular Building Blocks. ChemistrySelect, 2018, 3, 8082-8094.	0.7	4
1326	N-Heterocyclic Carbene-Catalyzed Enantioselective Synthesis of Spiro-glutarimides via Î±,Î²-Unsaturated Acylazoliums. Organic Letters, 2018, 20, 4499-4503.	2.4	37
1327	Synthesis of New C2-Symmetric Six-Membered NHCs and Their Application for the Asymmetric Diethylzinc Addition of Arylaldehydes. Catalysts, 2018, 8, 46.	1.6	1
1328	Ruthenâ€“indolizinone complexes as a new class of metalated heterocyclic compounds: insight into unconventional alkyne activation pathways, revelation of unexpected electronic properties and exploration of medicinal application. Dalton Transactions, 2018, 47, 12838-12842.	1.6	17
1329	High-Oxidation-State 3d Metal (Tiâ€“Cu) Complexes with N-Heterocyclic Carbene Ligation. Chemical Reviews, 2018, 118, 9930-9987.	23.0	136
1330	NHCâ€Catalyzed Electrophilic Trifluoromethylation: Efficient Synthesis of Î³â€Trifluoromethyl Î±,Î²â€Unsaturated Esters. Angewandte Chemie - International Edition, 2018, 57, 12097-12101.	7.2	27
1331	Synthesis of 1,2-Dihydroquinazolines via Rearrangement of Indazolium Salts. Journal of Organic Chemistry, 2018, 83, 8750-8758.	1.7	7
1332	On the Mechanism of the Reactivity of 1,3â€Dialkylimidazolium Salts under Basic to Acidic Conditions: A Combined Kinetic and Computational Study. Angewandte Chemie, 2018, 130, 11787-11791.	1.6	4
1333	NHCâ€Catalyzed Electrophilic Trifluoromethylation: Efficient Synthesis of Î³â€Trifluoromethyl Î±,Î²â€Unsaturated Esters. Angewandte Chemie, 2018, 130, 12273-12277.	1.6	11
1334	Highly Recoverable Pd(II) Catalysts for the Mizorokiâ€“Heck Reaction Based on N-Heterocyclic Carbenes and Poly(benzyl ether) Dendrons. Organometallics, 2018, 37, 3598-3610.	1.1	15
1335	Straightforward access to linear and cyclic polypeptides. Communications Chemistry, 2018, 1, .	2.0	42
1336	Competing mechanisms and origins of chemo- and stereo-selectivities of NHC-catalyzed reactions of enals with 2-aminoacrylates. Catalysis Science and Technology, 2018, 8, 4229-4240.	2.1	40
1337	On the Mechanism of the Reactivity of 1,3â€Dialkylimidazolium Salts under Basic to Acidic Conditions: A Combined Kinetic and Computational Study. Angewandte Chemie - International Edition, 2018, 57, 11613-11617.	7.2	13
1338	Pd-PEPPSI-IPent^{An} Promoted Deactivated Amination of Aryl Chlorides with Amines under Aerobic Conditions. Journal of Organic Chemistry, 2018, 83, 9144-9155.	1.7	48
1339	NormalandabnormalNHC coordination in cationic hydride iodide complexes of aluminium. Dalton Transactions, 2018, 47, 10281-10287.	1.6	15
1340	Synthesis and cytotoxic characteristics displayed by a series of Ag(<scp>i</scp>)-, Au(<scp>i</scp>)- and Au(<scp>iii</scp>)-complexes supported by a common N-heterocyclic carbene. New Journal of Chemistry, 2018, 42, 13948-13956.	1.4	20

#	Article	IF	Citations
1341	Identifying site-dependent reactivity in oxidation reactions on single Pt particles. Chemical Science, 2018, 9, 6523-6531.	3.7	29
1342	A tritopic carbanionic N-heterocyclic dicarbene and its homo- and heterometallic coinage metal complexes. Chemical Communications, 2018, 54, 5736-5739.	2.2	14
1343	Self-Assembled N-Heterocyclic Carbene-Based Carboxymethylated Dextran Monolayers on Gold as a Tunable Platform for Designing Affinity-Capture Biosensor Surfaces. ACS Applied Materials & Interfaces, 2018, 10, 17560-17570.	4.0	27
1344	Two Amphoteric Silver Carbene Clusters. Angewandte Chemie - International Edition, 2018, 57, 8089-8094.	7.2	31
1345	Experimental and quantum chemical studies of anionic analogues of N-heterocyclic carbenes. Dalton Transactions, 2018, 47, 7445-7455.	1.6	22
1346	Dimeric palladium 1,2,3-triazol-5-ylidene complexes â€“ synthesis, structure, reactivity and catalytic properties in Suzuki coupling. New Journal of Chemistry, 2018, 42, 10134-10141.	1.4	6
1347	Molecular Manipulations of a Utility Nitrogenâ€“Heterocyclic Carbene by Sodium Magnesiate Complexes and Transmetallation Chemistry with Gold Complexes. Chemistry - A European Journal, 2018, 24, 10541-10549.	1.7	7
1348	Structural dependence of cations and anions to building the polar phase of PVDF. European Polymer Journal, 2018, 107, 236-248.	2.6	22
1349	Cationic Complexes of Boron and Aluminum: An Early 21st Century Viewpoint. Chemistry - A European Journal, 2019, 25, 2898-2926.	1.7	48
1350	Magnetic Nanoparticle Decorated N-Heterocyclic Carbeneâ€“Nickel Complex with Pendant Ferrocenyl Group for Câ€“H Arylation of Benzoxazole. Catalysis Letters, 2018, 148, 3178-3192.	1.4	17
1351	Metal vapor synthesis of ultrasmall Pd nanoparticles functionalized with N-heterocyclic carbenes. Dalton Transactions, 2018, 47, 12647-12651.	1.6	7
1352	Copper(I)â€“Caffeine Complex Immobilized on Silica-Coated Magnetite Nanoparticles: A Recyclable and Eco-friendly Catalyst for Click Chemistry from Organic Halides and Epoxides. Catalysis Letters, 2018, 148, 3257-3268.	1.4	45
1353	Kinetic Resolution of 1,2-Diols via NHC-Catalyzed Site-Selective Esterification. Organic Letters, 2018, 20, 3447-3450.	2.4	23
1354	Metallfreie Stickstofffixierung an Bor. Angewandte Chemie, 2018, 130, 6850-6852.	1.6	4
1355	Asymmetric Synthesis of Spiro-oxindole-Îµ-lactones through N-Heterocyclic Carbene Catalysis. Organic Letters, 2018, 20, 3622-3626.	2.4	102
1356	Direct Sulfide-Catalyzed Enantioselective Cyclopropanations of Electron-Deficient Dienes and Bromides. Organic Letters, 2018, 20, 3700-3704.	2.4	38
1357	Redox neutral [4+2] benzannulation of dienals and tertiary enaminones for benzaldehyde synthesis. Chemical Communications, 2018, 54, 7475-7478.	2.2	45
1358	Revealing the unusual role of bases in activation/deactivation of catalytic systems: Oâ€“NHC coupling in M/NHC catalysis. Chemical Science, 2018, 9, 5564-5577.	3.7	62

#	Article	IF	Citations
1359	Stable Diporphyrinylaminyl Radical and Nitrenium Ion. Angewandte Chemie - International Edition, 2018, 57, 9434-9438.	7.2	26
1361	Asymmetric synthesis of functionalized tetrahydrofluorenones via an NHC-catalyzed homoenolate Michael addition. Chemical Communications, 2018, 54, 7661-7664.	2.2	16
1362	Nâ€Heterocyclic Carbene (NHC)â€Organocatalyzed Kinetic Resolutions, Dynamic Kinetic Resolutions, and Desymmetrizations. Chemistry - an Asian Journal, 2018, 13, 2149-2163.	1.7	64
1363	Unveiling the redox-active character of imidazolin-2-thiones derived from amino-substituted N-heterocyclic carbenes. Chemical Communications, 2018, 54, 7653-7656.	2.2	10
1364	Palladium(II)/N-Heterocyclic Carbene Catalyzed One-Pot Sequential Î±-Arylation/Alkylation: Access to 3,3-Disubstituted Oxindoles. Journal of Organic Chemistry, 2018, 83, 7622-7632.	1.7	31
1365	Developing effective electronic-only coupled-cluster and MÃ¸llerâ€“Plesset perturbation theories for the muonic molecules. Physical Chemistry Chemical Physics, 2018, 20, 16749-16760.	1.3	7
1366	Gold(I) bis(Nâ€heterocyclic carbene) complexes: Metabolic stability, in vitro inhibition, and genotoxicity. Applied Organometallic Chemistry, 2018, 32, e4441.	1.7	16
1367	Stable Diporphyrinylaminyl Radical and Nitrenium Ion. Angewandte Chemie, 2018, 130, 9578-9582.	1.6	13
1368	Palladium(II) N-heterocyclic carbene complexes: synthesis, structures and cytotoxicity potential studies against breast cancer cell line. Journal of Coordination Chemistry, 2018, 71, 2787-2799.	0.8	8
1369	On the Way to Nâ€Heterocyclic Silylenes with a 1,1â€²â€Ferrocenediyl Backbone: Synthesis and Structures of Silicon(IV) Compounds of the Type [Fe{(Î·⁵â€C₅H₄)NR}₂SiX₂]. Zeitschrift Fur Anorganische Und Allgemeine Chemie, 2018, 644, 935-944.	0.6	8
1370	Carbene-catalyzed aerobic oxidation of isoquinolinium salts: efficient synthesis of isoquinolinones. Green Chemistry, 2018, 20, 3302-3307.	4.6	63
1371	Selfâ€Healing of Polymers via Supramolecular Chemistry. Advanced Materials Interfaces, 2018, 5, 1800384.	1.9	132
1372	N-Heterocyclic Carbene-Catalyzed Synthesis of Î±-Trifluoromethyl Esters. Organic Letters, 2018, 20, 3897-3901.	2.4	21
1373	Enantioselective Nâ€Heterocyclic Carbene Catalyzed Cyclopentene Synthesis via the Î²â€Azolium Ylide. Angewandte Chemie, 2018, 130, 10456-10460.	1.6	12
1374	Enantioselective Nâ€Heterocyclic Carbene Catalyzed Cyclopentene Synthesis via the Î²â€Azolium Ylide. Angewandte Chemie - International Edition, 2018, 57, 10299-10303.	7.2	32
1375	Reactions of Si₂Br₆ with Nâ€Heterocyclic Carbenes. Zeitschrift Fur Anorganische Und Allgemeine Chemie, 2018, 644, 982-988.	0.6	4
1376	Spectroscopic, DFT and antimicrobial activity of Zn(II), Zr(IV), Ce(IV) and U(VI) complexes of N,Nâ€• chelated 4,6â€bis (4â€chlorophenyl)â€2â€aminoâ€1,2â€dihydropyridineâ€3â€carbinitrile. Applied Organometallic Chemistry, 2018, 32, e4457.	1.7	12
1377	Enhanced Catalytic Activity of Oxygenâ€Tethered Ir^{III} NHC Complexes in Aqueous Transfer Hydrogenative Reductive Amination Reactions: Experimental Kinetic and Mechanistic Study. ChemCatChem, 2018, 10, 3593-3604.	1.8	10

#	Article	IF	Citations
1378	Unusual rearrangement of an N-heterocyclic carbeneviaa ring-opening and ring-closing process. Chemical Communications, 2018, 54, 7830-7833.	2.2	4
1379	Continuousâ€Flow Diâ€Nâ€Alkylation of 1Hâ€Benzimidazole in a Fixedâ€Bed Reactor. Chemical Engineering and Technology, 2019, 42, 2215-2222.	0.9	0
1380	Flexible NO₂â€Functionalized Nâ€Heterocyclic Carbene Monolayers on Au (111) Surface. Chemistry - A European Journal, 2019, 25, 15067-15072.	1.7	39
1381	Carbeneâ€Catalyzed Direct Functionalization of the Î²â€sp³â€Carbon Atoms of Î±â€Chloroaldehydes. Chemistry - A European Journal, 2019, 25, 12719-12723.	1.7	9
1382	Rigid hindered N-heterocyclic carbene palladium precatalysts: synthesis, characterization and catalytic amination. Organic Chemistry Frontiers, 2019, 6, 3292-3299.	2.3	26
1383	Reaction mechanisms at the homogeneousâ€“heterogeneous frontier: insights from first-principles studies on ligand-decorated metal nanoparticles. Catalysis Science and Technology, 2019, 9, 5173-5185.	2.1	33
1384	Reaction Mechanisms on Unusual 1,2â€Migrations of Nâ€Heterocyclic Carbeneâ€Ligated Transition Metal Complexes. Chemistry - an Asian Journal, 2019, 14, 3313-3319.	1.7	7
1385	A density functional theory study on mechanisms of [4â€‰+â€‰2] annulation of enal with Î±â€methylene cycloalkanone catalyzed by Nâ€heterocyclic carbene. International Journal of Quantum Chemistry, 2019, 119, e26039.	1.0	3
1386	Metal-Free Activation of N₂ by Persistent Carbene Pairs: An Ab Initio Investigation. Journal of Physical Chemistry C, 2019, 123, 21548-21553.	1.5	8
1387	Design of non-ionic carbon superbases: second generation carbodiphosphoranes. Chemical Science, 2019, 10, 9483-9492.	3.7	21
1388	Tetranuclear Palladium Complexes of Abnormal Nâ€Heterocyclic Carbene Ligands and their Catalytic Activities in Mizorokiâ€Heck Coupling Reaction of Electronâ€Rich Aryl Chlorides. Advanced Synthesis and Catalysis, 2019, 361, 4714-4726.	2.1	15
1389	Nâ€Heterocyclic Carbene Catalyzed Concerted Nucleophilic Aromatic Substitution of Aryl Fluorides Bearing Î±,Î²â€Unsaturated Amides. Angewandte Chemie, 2019, 131, 14295-14299.	1.6	5
1390	Direct Azidation of Phenols. European Journal of Organic Chemistry, 2019, 2019, 5824-5827.	1.2	4
1391	Nâ€Heterocyclic Carbene Catalyzed Concerted Nucleophilic Aromatic Substitution of Aryl Fluorides Bearing Î±,Î²â€Unsaturated Amides. Angewandte Chemie - International Edition, 2019, 58, 14157-14161.	7.2	35
1392	Cyclic(alkyl)(amino) Carbene-Promoted Ring Expansion of a Carbodicarbene Beryllacycle. Inorganic Chemistry, 2019, 58, 11118-11126.	1.9	25
1393	Nâ€Heterocyclic Carbenes as Key Intermediates in the Synthesis of Fused, Mesoionic, Tricyclic Heterocycles. Chemistry - A European Journal, 2019, 25, 13030-13036.	1.7	9
1394	Î²-Sulfonylation of Î±-bromoenals enabled by N-heterocyclic carbene catalysis. Organic Chemistry Frontiers, 2019, 6, 3392-3396.	2.3	13
1395	Organocatalysis in aqueous media. Nature Reviews Chemistry, 2019, 3, 491-508.	13.8	138

#	Article	IF	Citations
1396	NHC-catalyzed atropoenantioselective synthesis of axially chiral biaryl amino alcohols via a cooperative strategy. Nature Communications, 2019, 10, 3062.	5.8	92
1397	Hydrogen tunneling avoided: enol-formation from a charge-tagged phenyl pyruvic acid derivative evidenced by tandem-MS, IR ion spectroscopy and theory. Physical Chemistry Chemical Physics, 2019, 21, 16591-16600.	1.3	8
1398	Access to Enantioenriched Spiroâ€•Ïµ â€Lactam Oxindoles by an Nâ€Heterocyclic Carbeneâ€Catalyzed [4+3] Annulation of Flexible Oxotryptamines with Enals. Chemistry - A European Journal, 2019, 25, 11223-11227.	1.7	20
1399	Stereoselective construction of deoxy-cruciferane alkaloids by NHC-catalyzed intramolecular annulation of homoenolate with quinazolinone. Organic and Biomolecular Chemistry, 2019, 17, 7135-7139.	1.5	9
1400	Metalâ€“Oxyl Species and Their Possible Roles in Chemical Oxidations. Inorganic Chemistry, 2019, 58, 9517-9542.	1.9	73
1401	Pd/NHC-catalyzed cross-coupling reactions of nitroarenes. Chemical Communications, 2019, 55, 9291-9294.	2.2	41
1402	Synthesis of Cationic Pd(II) Complexes with 5-Membered Ring Chelating Iminoylcarbene Ligand and Its Catalytic Activity on Norbornene Polymerization. Asian Journal of Chemistry, 2019, 31, 637-641.	0.1	0
1403	Antibacterial and transfection activities of nebulized formulations incorporating long n-alkyl chain silver N-heterocyclic carbene complexes. International Journal of Pharmaceutics, 2019, 567, 118500.	2.6	15
1404	Unveiling the potential of scandium complexes for methane Câ€“H bond activation: a computational study. New Journal of Chemistry, 2019, 43, 12257-12263.	1.4	9
1405	Intramolecular Oâ€arylation using nanoâ€magnetite supported Nâ€heterocyclic carbeneâ€copper complex with wingtip ferrocene. Applied Organometallic Chemistry, 2019, 33, e5066.	1.7	4
1406	Enantioselective Nâ€Heterocyclic Carbene Catalyzed Bis(enoate) Rauhutâ€“Currier Reaction. Angewandte Chemie - International Edition, 2019, 58, 13370-13374.	7.2	17
1407	Chlorodifluoromethane as a C1 Synthon in the Assembly of N-Containing Compounds. IScience, 2019, 19, 1-13.	1.9	38
1408	Asymmetric Synthesis of Enantioenriched 6-Hydroxyl Butyrolactams Promoted by N-Heterocyclic Carbene. Journal of Organic Chemistry, 2019, 84, 10328-10337.	1.7	10
1409	Imidazolium-benzimidazolates as convenient sources of donor-functionalised normal and abnormal N-heterocyclic carbenes. Chemical Communications, 2019, 55, 9705-9708.	2.2	11
1410	NHC-catalyzed green synthesis of functionalized chromones: DFT mechanistic insights andin vitroactivities in cancer cells. New Journal of Chemistry, 2019, 43, 13509-13525.	1.4	16
1411	Synthesis and structural characterization of 20-membered macrocyclic rings bearing trans-chelating bis(N-heterocyclic carbene) ligands and the catalytic activity of their palladium(ii) complexes. Dalton Transactions, 2019, 48, 12577-12590.	1.6	10
1412	NHC-Catalyzed Atroposelective Acylation of Phenols: Access to Enantiopure NOBIN Analogs by Desymmetrization. Organic Letters, 2019, 21, 6169-6172.	2.4	67
1413	Carbene-catalyzed asymmetric Friedelâ€“Crafts alkylation-annulation sequence and rapid synthesis of indole-fused polycyclic alkaloids. Communications Chemistry, 2019, 2, .	2.0	15

#	Article	IF	Citations
1414	Accessing Chelating Extended Linker Bis(NHC) Palladium(II) Complexes: Sterically Triggered Divergent Reaction Pathways. Organometallics, 2019, 38, 3032-3038.	1.1	6
1415	Pd(II) Complexes with Chelating Phosphinoferrocene Diaminocarbene Ligands: Synthesis, Characterization, and Catalytic Use in Pd-Catalyzed Borylation of Aryl Bromides. Organometallics, 2019, 38, 3060-3073.	1.1	13
1416	Enantioselective Nâ€Heterocyclic Carbene Catalyzed Bis(enoate) Rauhutâ€“Currier Reaction. Angewandte Chemie, 2019, 131, 13504-13508.	1.6	4
1417	Synthesis and Characterization of (^{DIPP}CCC)Fe Complexes: A Zwitterionic Metalation Method and CO₂ Reactivity. Organometallics, 2019, 38, 2943-2952.	1.1	13
1418	Access to Imidazolidines via 1,3-Dipolar Cycloadditions of 1,3,5-Triazinanes with Aziridines. Journal of Organic Chemistry, 2019, 84, 11161-11169.	1.7	35
1419	Nitrene Insertion into Aromatic and Benzylic Câ€H Bonds Catalyzed by Copper Complexes of Fluorinated Bisâ€and Tris(pyrazolyl)borates. ChemCatChem, 2019, 11, 4966-4973.	1.8	7
1420	Tuning the catalytic activity and selectivity of water-soluble bimetallic RuPt nanoparticles by modifying their surface metal distribution. Nanoscale, 2019, 11, 16544-16552.	2.8	16
1421	Nâ€Heterocyclic Carbene/Copper Cooperative Catalysis for the Asymmetric Synthesis of Spirooxindoles. Angewandte Chemie - International Edition, 2019, 58, 12190-12194.	7.2	155
1422	Extending the Library of Boron Bases: A Contribution from Theory. Organometallics, 2019, 38, 2770-2781.	1.1	8
1423	Palladate Precatalysts for the Formation of Câ€“N and Câ€“C Bonds. Organometallics, 2019, 38, 2812-2817.	1.1	23
1424	In search of stable singlet metalla-N-heterocyclic carbenes (MNHCs): a contribution from theory. Dalton Transactions, 2019, 48, 11772-11780.	1.6	2
1425	Palladium immobilized on functionalized hypercrosslinked polymers: a highly active and recyclable catalyst for Suzukiâ€“Miyaura coupling reactions in water. New Journal of Chemistry, 2019, 43, 12206-12210.	1.4	29
1426	NHC-Catalyzed [3 + 3] Annulation of Thioamides and Modified Enals for the Enantioselective Synthesis of Functionalized Thiazinones. Organic Letters, 2019, 21, 8598-8602.	2.4	51
1427	Mesoionic Carbene (MIC)-Catalyzed H/D Exchange at Formyl Groups. CheM, 2019, 5, 2484-2494.	5.8	69
1428	Atroposelective Arene Formation by Carbeneâ€Catalyzed Formal [4+2] Cycloaddition. Angewandte Chemie - International Edition, 2019, 58, 17625-17630.	7.2	96
1429	An Efficient A³ Coupling Catalyst Based on a Silver Complex Bearing Nâ€Heterocyclic Carbene and Homoscorpionate Bis(3â€methylâ€mercaptoimidazolyl)borate Ligands. ChemistrySelect, 2019, 4, 9268-9273.	0.7	14
1430	Coupling Constants, High Spin, and Broken Symmetry States of Organic Radicals: an Assessment of the Molecules-in-Molecules Fragmentation-Based Method. Journal of Chemical Theory and Computation, 2019, 15, 5998-6009.	2.3	6
1431	Mechanistic Insights on the Functionalization of CO 2 with Amines and Hydrosilanes Catalyzed by a Zwitterionic Iridium Carboxylateâ€Functionalized Bisâ€NHC Catalyst. ChemCatChem, 2019, 11, 5524-5535.	1.8	20

#	Article	IF	Citations
1432	Synthesis and structural characterization of nickel(II) complexes of 20-membered macrocyclic rings bearing chelating bis(N-heterocyclic carbene) ligands. Journal of Organometallic Chemistry, 2019, 901, 120937.	0.8	2
1433	Ir/Thioetherâ€“Carbene, â^'Phosphinite, and â^'Phosphite Complexes for Asymmetric Hydrogenation. A Case for Comparison. Organometallics, 2019, 38, 4193-4205.	1.1	12
1434	Diastereo- and Atroposelective Synthesis of Bridged Biaryls Bearing an Eight-Membered Lactone through an Organocatalytic Cascade. Journal of the American Chemical Society, 2019, 141, 17062-17067.	6.6	121
1435	Chiral Bicyclic NHC/Cu Complexes for Catalytic Asymmetric Borylation of Î±,Î²-Unsaturated Esters. Journal of Organic Chemistry, 2019, 84, 14291-14296.	1.7	11
1436	Nâ€Heterocyclic Carbene/Copper Cooperative Catalysis for the Asymmetric Synthesis of Spirooxindoles. Angewandte Chemie, 2019, 131, 12318-12322.	1.6	27
1437	N-Heterocyclic Carbene-Supported Aryl- and Alk- oxides of Beryllium and Magnesium. Catalysts, 2019, 9, 934.	1.6	24
1438	The Combination of Lewis Acid with N-Heterocyclic Carbene (NHC) Catalysis. Catalysts, 2019, 9, 863.	1.6	12
1439	Different Strategies for Designing Dual-Catalytic Enantioselective Processes: From Fully Cooperative to Non-cooperative Systems. Journal of the American Chemical Society, 2019, 141, 17952-17961.	6.6	72
1440	Highly Efficient Abnormal NHC Ruthenium Catalyst for Oppenauer-Type Oxidation and Transfer Hydrogenation Reactions. ACS Catalysis, 2019, 9, 11302-11306.	5.5	33
1441	Chemoselective Umpolung of Enals for Asymmetric Homoenolate Cross-Annulation of Enals and Aldehydes Catalyzed by N-Heterocyclic Carbene. Organic Letters, 2019, 21, 9119-9123.	2.4	4
1442	Lithium Complexes with Bridging and Terminal NHC Ligands: The Decisive Influence of an Anionic Tether. European Journal of Inorganic Chemistry, 2019, 2019, 4894-4901.	1.0	17
1443	Nâ€Heterocyclic Carbeneâ€Catalyzed Î²â€Indolylation of Î±â€Bromoenals with Indoles. Advanced Synthesis and Catalysis, 2019, 361, 5704-5708.	2.1	12
1444	Access to Cyclic Î²â€Amino Acids by Amineâ€Catalyzed Enantioselective Addition of the Î³â€Carbon Atoms of Î±,Î²â€Unsaturated Imines to Enals. Angewandte Chemie, 2019, 131, 17349-17353.	1.6	2
1445	Visibleâ€Lightâ€Driven Nâ€Heterocyclic Carbene Catalyzed Î³â€•and Ïµ â€Alkylation with Alkyl Radicals. Angewandte Chemie, 2019, 131, 18292-18298.	1.6	15
1446	NHCâ€Catalyzed Chemoselective Reactions of Enals and Aminobenzaldehydes for Access to Chiral Dihydroquinolines. Angewandte Chemie, 2019, 131, 18581-18584.	1.6	9
1447	Consecutive Intermolecular Reductive Amination/Asymmetric Hydrogenation: Facile Access to Sterically Tunable Chiral Vicinal Diamines and Nâ€Heterocyclic Carbenes. Angewandte Chemie, 2019, 131, 16987-16990.	1.6	11
1448	Atroposelective Arene Formation by Carbeneâ€Catalyzed Formal [4+2] Cycloaddition. Angewandte Chemie, 2019, 131, 17789-17794.	1.6	30
1449	Access to Cyclic Î²â€Amino Acids by Amineâ€Catalyzed Enantioselective Addition of the Î³â€Carbon Atoms of Î±,Î²â€Unsaturated Imines to Enals. Angewandte Chemie - International Edition, 2019, 58, 17189-17193.	7.2	4

#	Article	IF	Citations
1450	Visibleâ€Lightâ€Driven Nâ€Heterocyclic Carbene Catalyzed Î³â€•and Ïµâ€Alkylation with Alkyl Radicals. Angewandte Chemie - International Edition, 2019, 58, 18124-18130.	7.2	122
1451	NHCâ€Catalyzed Chemoselective Reactions of Enals and Aminobenzaldehydes for Access to Chiral Dihydroquinolines. Angewandte Chemie - International Edition, 2019, 58, 18410-18413.	7.2	32
1452	Ionic Pd/NHC Catalytic System Enables Recoverable Homogeneous Catalysis: Mechanistic Study and Application in the Mizorokiâ€“Heck Reaction. Chemistry - A European Journal, 2019, 25, 16564-16572.	1.7	32
1453	Enantioselective Indole Nâ€“H Functionalization Enabled by Addition of Carbene Catalyst to Indole Aldehyde at Remote Site. ACS Catalysis, 2019, 9, 10971-10976.	5.5	33
1454	Consecutive Intermolecular Reductive Amination/Asymmetric Hydrogenation: Facile Access to Sterically Tunable Chiral Vicinal Diamines and Nâ€Heterocyclic Carbenes. Angewandte Chemie - International Edition, 2019, 58, 16831-16834.	7.2	38
1455	Oxidative NHCâ€Catalysis as Organocatalytic Platform for the Synthesis of Polyester Oligomers by Stepâ€Growth Polymerization. Chemistry - A European Journal, 2019, 25, 14701-14710.	1.7	17
1456	Recent progress in silver(I)-, gold(I)/(III)- and palladium(II)-N-heterocyclic carbene complexes: A review towards biological perspectives. Journal of Organometallic Chemistry, 2019, 882, 96-111.	0.8	101
1457	Recent advances in the synthesis of carbazoles from indoles. Organic and Biomolecular Chemistry, 2019, 17, 8330-8342.	1.5	66
1458	Basicity of N-heterocyclic carbene and its main-group analogues. Computational and Theoretical Chemistry, 2019, 1164, 112557.	1.1	7
1459	General and Phosphineâ€Free Cobaltâ€Catalyzed Hydrogenation of Esters to Alcohols. Chinese Journal of Chemistry, 2019, 37, 1125-1130.	2.6	23
1460	Novel 2-hydroxyethyl substituted N-coordinate-Pd(II)(NHC) and bis(NHC)Pd(II) complexes: Synthesis, characterization and the catalytic activity in the direct arylation reaction. Journal of Chemical Sciences, 2019, 131, 1.	0.7	8
1461	DFT based engineering of N-heterocyclic carbenes to exacerbate its activity for SO2 fixation and storage. Journal of Molecular Graphics and Modelling, 2019, 93, 107437.	1.3	7
1462	Addressing Reversibility of Râ€“NHC Coupling on Palladium: Is Nano-to-Molecular Transition Possible for the Pd/NHC System?. Inorganic Chemistry, 2019, 58, 12218-12227.	1.9	16
1463	Asymmetric Synthesis of Spirocyclic Oxindole Î´-Lactams via NHC-Catalyzed Formal [2+4] Annulation of Aliphatic Aldehydes with Oxindole-Derived Î±,Î²-Unsaturated Ketimines. Journal of Organic Chemistry, 2019, 84, 12177-12186.	1.7	27
1464	Linker functionalized metal-organic frameworks. Coordination Chemistry Reviews, 2019, 399, 213023.	9.5	170
1465	Intramolecular Cyclopropanation of Alkali-Metal-Substituted Silylene with the Aryl Substituent of an N-Heterocyclic Framework. Inorganic Chemistry, 2019, 58, 12007-12010.	1.9	45
1466	Synthesis, properties & applications of N-heterocyclic olefins in catalysis. Chemical Communications, 2019, 55, 11658-11670.	2.2	77
1467	Dinuclear zwitterionic silver(<scp>i</scp>) and gold(<scp>i</scp>) complexes bearing 2,2-acetate-bridged bisimidazolylidene ligands. Dalton Transactions, 2019, 48, 14036-14043.	1.6	12

#	Article	IF	Citations
1468	On the interaction of N-heterocyclic carbene Ir^{+I} complexes with His and Cys containing peptides. Dalton Transactions, 2019, 48, 13662-13673.	1.6	6
1469	Chiral Nitroarenes as Enantioselective Single-Electron-Transfer Oxidants for Carbene-Catalyzed Radical Reactions. Organic Letters, 2019, 21, 7440-7444.	2.4	32
1470	Synthesis and electropolymerization of N-heterocyclic carbene complexes of Pd(<scp>II</scp>) and Pt(<scp>II</scp>) from an emissive imidazolium salt with a terthiophene backbone. Dalton Transactions, 2019, 48, 14440-14449.	1.6	6
1471	Theoretical Study of Diastereoselective NHC-Catalyzed Cross-Benzoin Reactions between Furfural and N-Boc-Protected Î±-Amino Aldehydes. Journal of Organic Chemistry, 2019, 84, 13565-13571.	1.7	15
1472	Supramolecular synthesis and characterization of crystalline solids obtained from the reaction of 5-fluorocytosine with nitro compounds. New Journal of Chemistry, 2019, 43, 15924-15934.	1.4	11
1473	N-Heterocyclic carbene as a BrÃ¸nsted base catalyst for the amination of naphthol derivatives and alcoholysis of glutaric anhydrides. Tetrahedron Letters, 2019, 60, 151131.	0.7	1
1474	Design and synthesis of (2-(phenylamino)thieno[3,2-d]pyrimidin-4-yl)(3,4,5-trimethoxyphenyl)methanone analogues as potent anti-tubulin polymerization agents. European Journal of Medicinal Chemistry, 2019, 183, 111679.	2.6	22
1475	Stereoselective [8 + 2] Cycloaddition Reaction of Azaheptafulvenes with Î±-Chloro Aldehydes via N-Heterocyclic Carbene Catalysis. Organic Letters, 2019, 21, 8022-8026.	2.4	33
1476	Poly-N-heterocyclic carbene complexes with applications in aqueous media. Coordination Chemistry Reviews, 2019, 400, 213038.	9.5	38
1477	Arylation of Click Triazoles with Diaryliodonium Salts. Journal of Organic Chemistry, 2019, 84, 14030-14044.	1.7	13
1478	Promoting Ni(II) Catalysis with Plasmonic Antennas. CheM, 2019, 5, 2879-2899.	5.8	39
1479	Chemistry of macrocyclic tetracarbene complexes: Synthesis, structure, reactivity and catalytic application. Journal of Organometallic Chemistry, 2019, 902, 120965.	0.8	14
1480	Fluoro-imidazopyridinylidene Ruthenium Catalysts for Cross Metathesis with Ethylene. Organometallics, 2019, 38, 4121-4132.	1.1	17
1481	Metal Complexes with the N-Heterocyclic Ligand: Synthesis, Structures, and Thermal Decomposition. Russian Journal of Coordination Chemistry/Koordinatsionnaya Khimiya, 2019, 45, 706-711.	0.3	2
1482	(Â±)-trans-1,2-Cyclohexanediamine-Based Bis(NHC) Ligand for Cu-Catalyzed Asymmetric Conjugate Addition Reaction. Catalysts, 2019, 9, 780.	1.6	6
1483	Facile synthesis of Pd(<scp>II</scp>) and Ni(<scp>II</scp>) pincer carbene complexes by the double Câ€“H bond activation of a new hexahydropyrimidine-based bis(phosphine): catalysis of Câ€“N couplings. Dalton Transactions, 2019, 48, 7203-7210.	1.6	20
1484	A bifunctional strategy for N-heterocyclic carbene-stabilized iridium complex-catalyzed N-alkylation of amines with alcohols in aqueous media. Green Chemistry, 2019, 21, 219-224.	4.6	70
1485	Coumarin-substituted 1,2,4-triazole-derived silver(<scp>I</scp>) and gold(<scp>I</scp>) complexes: synthesis, characterization and anticancer studies. New Journal of Chemistry, 2019, 43, 1216-1229.	1.4	52

#	Article	IF	Citations
1486	In situ transformations of Pd/NHC complexes with N-heterocyclic carbene ligands of different nature into colloidal Pd nanoparticles. Inorganic Chemistry Frontiers, 2019, 6, 482-492.	3.0	19
1487	Enantioselective Nâ€Heterocyclic Carbene Catalysis that Exploits Imine Umpolung. Angewandte Chemie, 2019, 131, 4047-4051.	1.6	18
1488	Enantioselective Nâ€Heterocyclic Carbene Catalysis that Exploits Imine Umpolung. Angewandte Chemie - International Edition, 2019, 58, 4007-4011.	7.2	64
1489	Oxidative NHC catalysis: direct activation of Î² sp³ carbons of saturated acid chlorides. Chemical Communications, 2019, 55, 298-301.	2.2	21
1490	Palladium(<scp>ii</scp>) pincer complexes of a C,C,C-NHC, diphosphonium bis(ylide) ligand. Dalton Transactions, 2019, 48, 1709-1721.	1.6	23
1491	Twisting the arm: structural constraints in bicyclic expanded-ring N-heterocyclic carbenes. Dalton Transactions, 2019, 48, 1850-1858.	1.6	16
1492	N-Heterocyclic carbene catalyzed chemo- and enantioselective cross-benzoin reaction of aldehydes with isatins. Organic Chemistry Frontiers, 2019, 6, 172-176.	2.3	24
1493	Dioxygen activation with stable N-heterocyclic carbenes. Chemical Communications, 2019, 55, 1584-1587.	2.2	21
1494	Cationic abnormal N-heterocyclic carbene ruthenium complexes as suitable precursors for the synthesis of heterobimetallic compounds. Dalton Transactions, 2019, 48, 79-89.	1.6	15
1495	Convenient and efficient Suzukiâ€“Miyaura and Heckâ€“Mizoroki cross-coupling reactions catalyzed by 1,3,4-trisubstituted-1,2,3-triazolium iodide and palladium salt systems. Journal of Coordination Chemistry, 2019, 72, 528-549.	0.8	5
1496	Deprotonation of Benzoxazolium Salt: Trapping of a Radical-Cation Intermediate. Organic Letters, 2019, 21, 946-950.	2.4	7
1497	Kinetic resolution of Î²-ketoesters with quaternary stereocenters via a carbene-catalyzed benzoin reaction. Organic and Biomolecular Chemistry, 2019, 17, 2169-2173.	1.5	9
1498	Complexation between MOTf (M = Li and Na) and N-Phosphine Oxide-substituted Imidazolylidenes via Coordination of the N-Phosphoryl Groups. Chemistry Letters, 2019, 48, 230-233.	0.7	10
1499	Two Carbenes versus One in Magnesium Chemistry: Synthesis of Terminal Dihalide, Dialkyl, and Grignard Reagents. Organometallics, 2019, 38, 688-696.	1.1	24
1500	Asymmetric total synthesis of rotenoids via organocatalyzed dynamic kinetic resolution. Communications Chemistry, 2019, 2, .	2.0	11
1501	Facile Synthesis of 2,2-Diacyl Spirocyclohexanones via an N-Heterocyclic Carbene-Catalyzed Formal [3C + 3C] Annulation. Organic Letters, 2019, 21, 926-930.	2.4	33
1502	Recent advances in goldâ€“NHC complexes with biological properties. Chemical Society Reviews, 2019, 48, 447-462.	18.7	271
1503	Prediction on the origin of selectivities of NHC-catalyzed asymmetric dearomatization (CADA) reactions. Catalysis Science and Technology, 2019, 9, 465-476.	2.1	50

#	Article	IF	Citations
1504	An enantioselective assembly of naphthopyran via NHC-catalyzed [3 + 3] annulation of bromoenal with Î²-tetralone. Organic and Biomolecular Chemistry, 2019, 17, 268-274.	1.5	6
1505	Bifunctional N-heterocyclic carbene catalyzed [3 + 4] annulation of enals with azadienes: enantioselective synthesis of benzofuroazepinones. Organic Chemistry Frontiers, 2019, 6, 405-409.	2.3	48
1506	A mechanistic investigation into N-heterocyclic carbene (NHC) catalyzed umpolung of ketones and benzonitriles: is the cyano group better than the classical carbonyl group for the addition of NHC?. Organic Chemistry Frontiers, 2019, 6, 523-531.	2.3	4
1507	A tandem dearomatization/rearomatization strategy: enantioselective N-heterocyclic carbene-catalyzed Î±-arylation. Chemical Science, 2019, 10, 2501-2506.	3.7	30
1508	Stepwise Reduction at Magnesium and Beryllium: Cooperative Effects of Carbenes with Redox Non-Innocent Î±-Diimines. Inorganic Chemistry, 2019, 58, 10554-10568.	1.9	30
1509	Transmetalation from Magnesiumâ€“NHCsâ€”Convenient Synthesis of Chelating Ï€-Acidic NHC Complexes. Inorganics, 2019, 7, 65.	1.2	6
1510	Breslow Intermediates from a Thiazolinâ€2â€ylidene and Fluorinated Aldehydes: XRD and Solutionâ€Phase NMR Spectroscopic Characterization. Angewandte Chemie - International Edition, 2019, 58, 10596-10600.	7.2	46
1511	A Stable Nâ€Hetero â€Rh â€Metallacyclic Silylene. Angewandte Chemie - International Edition, 2019, 58, 10310-10314.	7.2	20
1512	Photoelimination of nitrogen from adamantane and pentacycloundecane (PCU) diazirines: a spectroscopic study and supramolecular control â€. Photochemical and Photobiological Sciences, 2019, 18, 1806-1822.	1.6	4
1513	Asymmetric Synthesis of Dihydronaphthaleneâ€1,4â€Diones via Carbeneâ€Catalyzed Stereodivergent Reaction. Advanced Synthesis and Catalysis, 2019, 361, 3943-3949.	2.1	6
1514	Nâ€Heterocyclic Carbene Catalyzed (5+1) Annulations Exploiting a Vinyl Dianion Synthon Strategy. Angewandte Chemie, 2019, 131, 11607-11614.	1.6	6
1515	Direct Synthesis of Nâ€Heterocyclic Carbeneâ€Stabilized Copper Nanoparticles from an Nâ€Heterocyclic Carbeneâ€“Borane. Chemistry - A European Journal, 2019, 25, 11481-11485.	1.7	20
1516	Direct C-H bond (Hetero)arylation of thiazole derivatives at 5-position catalyzed by N-heterocyclic carbene palladium complexes at low catalyst loadings under aerobic conditions. Journal of Organometallic Chemistry, 2019, 897, 13-22.	0.8	16
1517	Linkage induced enhancement of fluorescence in metalâ€“carbene bond directed metallacycles and metallacages. Chemical Communications, 2019, 55, 8309-8312.	2.2	25
1518	Enhanced Ï€-back-donation resulting in thetranslabilization of a pyridine ligand in an N-heterocyclic carbene (NHC) Pd^{II}precatalyst: a case study. Acta Crystallographica Section C, Structural Chemistry, 2019, 75, 941-950.	0.2	13
1519	Synthesis, Stability, and (De)hydrogenation Catalysis by Normal and Abnormal Alkene- and Picolyl-Tethered NHC Ruthenium Complexes. Organometallics, 2019, 38, 2624-2635.	1.1	21
1520	Bulky-Yet-Flexible Carbene Ligands and Their Use in Palladium Cross-Coupling. Inorganics, 2019, 7, 78.	1.2	26
1521	Synthesis and Characterization of Heterobimetallic Carbonyl Clusters with Direct Auâ€Fe and AuÂ·Â·Â·Au Interactions Supported by Nâ€Heterocyclic Carbene and Phosphine Ligands. European Journal of Inorganic Chemistry, 2019, 2019, 3084-3093.	1.0	16

#	Article	IF	Citations
1522	Cost Efficient Synthesis of Diaryl Ethers Catalysed by CuI, Imidazolium Chloride and Cs 2 CO 3. ChemistrySelect, 2019, 4, 7181-7186.	0.7	8
1523	Asymmetric Synthesis of C2-Quaternary Indolin-3-ones Enabled by N-Heterocyclic Carbene Catalysis. Organic Letters, 2019, 21, 5211-5214.	2.4	28
1524	Isolation of an Nâ€Heterocyclic Carbene Complex of a Borasilene. Chemistry - A European Journal, 2019, 25, 11036-11041.	1.7	62
1525	Heteroditopic Ru(II)â€“ and Ir(III)â€“NHC Complexes with Pendant 1,2,3-Triazole/Triazolylidene Groups: Stereoelectronic Impact on Transfer Hydrogenation of Unsaturated Compounds. Organometallics, 2019, 38, 2610-2623.	1.1	32
1526	Quantifying electronic similarities between NHCâ€“gold(<scp>i</scp>) complexes and their isolobal imidazolium precursors. Physical Chemistry Chemical Physics, 2019, 21, 15615-15622.	1.3	10
1527	Tethered N-Heterocyclic Carbene-Carboranyl Silver Complexes for Cancer Therapy. Organometallics, 2019, 38, 2530-2538.	1.1	17
1528	Breslow Intermediates from a Thiazolinâ€2â€ylidene and Fluorinated Aldehydes: XRD and Solutionâ€Phase NMR Spectroscopic Characterization. Angewandte Chemie, 2019, 131, 10706-10710.	1.6	16
1529	A Stable Nâ€Hetero â€Rh â€Metallacyclic Silylene. Angewandte Chemie, 2019, 131, 10416-10420.	1.6	11
1530	Recent Developments of Supramolecular Metal-based Structures for Applications in Cancer Therapy and Imaging. Theranostics, 2019, 9, 3150-3169.	4.6	133
1531	Catalytically Active Nâ€Heterocyclic Carbene Release from Singleâ€Chain Nanoparticles Following a Thermolysisâ€Driven Unfolding Strategy. Macromolecular Rapid Communications, 2019, 40, e1900071.	2.0	10
1532	Synthesis of Novel Palladium Complexes Containing Î²â€Diketonate and NHC Ligands and their Catalytic Ability for Addition Polymerizations of the Functional Norbornenes. Bulletin of the Korean Chemical Society, 2019, 40, 710-718.	1.0	8
1533	Promotion of Appel-type reactions by N-heterocyclic carbenes. Chemical Communications, 2019, 55, 7962-7965.	2.2	8
1534	Nâ€Heterocyclic Carbene Catalyzed (5+1) Annulations Exploiting a Vinyl Dianion Synthon Strategy. Angewandte Chemie - International Edition, 2019, 58, 11483-11490.	7.2	19
1535	Synthesis and Characteristics of Iridium Complexes Bearing N-Heterocyclic Nitrenium Cationic Ligands. Organometallics, 2019, 38, 2494-2501.	1.1	16
1536	Synthesis of Iron(0) Complexes Bearing Protic NHC Ligands: Synthesis and Catalytic Activity. Organometallics, 2019, 38, 2417-2421.	1.1	13
1537	N-Heterocyclic carbene-catalyzed Î²-addition of enals to 3-alkylenyloxindoles: synthesis of oxindoles with all-carbon quaternary stereocenters. Chemical Communications, 2019, 55, 7966-7969.	2.2	13
1538	Oxygen atom transfer: a mild and efficient method for generating iminyl radicals. Chemical Communications, 2019, 55, 7061-7064.	2.2	3
1539	Carbene-Catalyzed Î±-Carbon Amination of Chloroaldehydes for Enantioselective Access to Dihydroquinoxaline Derivatives. Organic Letters, 2019, 21, 4340-4344.	2.4	37

#	Article	IF	Citations
1540	Enantioselective reduction of N-alkyl ketimines with frustrated Lewis pair catalysis using chiral borenium ions. Chemical Communications, 2019, 55, 7077-7080.	2.2	35
1541	Hydrolysis of NHC stabilized zinc diaryloxide [(NHC)Zn(OAr)2]: Impact of stoichiometric quantity of water and base. Journal of Organometallic Chemistry, 2019, 893, 78-84.	0.8	2
1542	Effect of ring substitution on synthesis of benzimidazolium salts and their silver(I) complexes: characterization, electrochemical studies and evaluation of anticancer potential. Transition Metal Chemistry, 2019, 44, 431-443.	0.7	16
1543	Nâ€Heterocyclic Olefinâ€Ligated Palladium(II) Complexes as Preâ€Catalysts for Buchwaldâ€“Hartwig Aminations. Chemistry - A European Journal, 2019, 25, 9678-9690.	1.7	39
1544	Phosphine-substituted 1,2,3-triazoles as P,C- and P,N-ligands for photoluminescent coinage metal complexes. Dalton Transactions, 2019, 48, 15427-15434.	1.6	13
1545	Palladium(II) Complexes with N-Phosphine Oxide-Substituted Imidazolylidenes (PoxIms): Coordination Chemistry and Catalysis. Organometallics, 2019, 38, 2298-2306.	1.1	10
1546	Steric and Electronic Effects in Gold Nâ€Heterocyclic Carbene Complexes Revealed by Computational Analysis. ChemistryOpen, 2019, 8, 539-550.	0.9	1
1547	Six-Membered Janus-type Ditopic N-Heterocyclic Carbene Coinage Metal Complexes. Organometallics, 2019, 38, 2132-2137.	1.1	13
1548	Synthesis, Characterization, and Catalytic Activity of Heteroleptic Rhodium Complex for Câ€“N Couplings. Russian Journal of Coordination Chemistry/Koordinatsionnaya Khimiya, 2019, 45, 62-73.	0.3	2
1549	Synthesis and Application of Planar Chiral Cyclic (Amino)(ferrocenyl)carbene Ligands Bearing FeCp* Group. Organometallics, 2019, 38, 2211-2217.	1.1	13
1550	Novel Carbazoleâ€Based Nâ€Heterocyclic Carbene Ligands to Access Synthetically Relevant Stilbenes in Pdâ€Catalyzed Coupling Processes. Chemistry - an Asian Journal, 2019, 14, 2611-2619.	1.7	9
1551	A Practical and Stereoselective In Situ NHC-Cobalt Catalytic System for Hydrogenation of Ketones and Aldehydes. CheM, 2019, 5, 1552-1566.	5.8	51
1552	A Rh(I) complex with an annulated N-heterocyclic carbene ligand for E-selective alkyne hydrosilylation. Polyhedron, 2019, 172, 167-174.	1.0	16
1553	Direct Access to IMes^F and IMes^{F₂} by Electrophilic Fluorination of Abnormal N-Heterocyclic Carbenes. Organometallics, 2019, 38, 2330-2337.	1.1	19
1554	Efficient Access to 2â€Pyrones via Carbeneâ€Catalyzed Oxidative [3+3] Reactions between Enals and Nitrogen Ylides. Asian Journal of Organic Chemistry, 2019, 8, 1067-1070.	1.3	13
1555	A Modular Access to Divinyldiphosphenes with a Strikingly Small HOMOâ€“LUMO Energy Gap. Chemistry - A European Journal, 2019, 25, 8127-8134.	1.7	40
1556	The base-free van Leusen reaction of cyclic imines on water: synthesis of N-fused imidazo 6,11-dihydro Î²-carboline derivatives. Organic and Biomolecular Chemistry, 2019, 17, 5234-5238.	1.5	12
1557	Homo- and Heterodinuclear Head-to-Head or Head-to-Tail Complexes of Rhodium(I) and Iridium(I) with C²,N³ or C⁸,N⁹ Bridging Azolato Ligands. Organometallics, 2019, 38, 1982-1990.	1.1	1

#	Article	IF	Citations
1558	Ruthenium(II)â€(Arene)â€Nâ€Heterocyclic Carbene Complexes: Efficient and Selective Catalysts for the Nâ€Alkylation of Aromatic Amines with Alcohols. European Journal of Inorganic Chemistry, 2019, 2019, 2598-2606.	1.0	18
1559	Amido-functionalized N-Heterocyclic carbene ligands and corresponding PalladiumComplexes: Synthesis, characterization and catalytic activity. Journal of Organometallic Chemistry, 2019, 888, 44-53.	0.8	3
1560	Highly Enantioselective Synthesis of Functionalized Glutarimide Using Oxidative N-Heterocyclic Carbene Catalysis: A Formal Synthesis of (â^')-Paroxetine. Journal of Organic Chemistry, 2019, 84, 5313-5327.	1.7	20
1561	Highly enantioselective synthesis of functionalized azepino[1,2-a]indolesviaNHC-catalyzed [3+4] annulation. Chemical Communications, 2019, 55, 4363-4366.	2.2	37
1562	Oxidation reactions of a nucleophilic palladium carbene: mono and bi-radical carbenes. Dalton Transactions, 2019, 48, 9663-9668.	1.6	9
1563	Synthesis and study of Au(<scp>iii</scp>)â€“indolizine derivatives: turn-on luminescence by photo-induced controlled release. Chemical Communications, 2019, 55, 4471-4474.	2.2	4
1564	Carbeneâ€Catalyzed Enantioselective Decarboxylative Annulations to Access Dihydrobenzoxazinones and Quinolones. Angewandte Chemie - International Edition, 2019, 58, 5941-5945.	7.2	46
1565	N-heterocyclic carbene based ruthenium complexes for selective Î²-C(sp3)-H functionalization of N-fused saturated cyclic amines. Tetrahedron, 2019, 75, 2265-2272.	1.0	11
1566	Pd and Pt Catalyst Poisoning in the Study of Reaction Mechanisms: What Does the Mercury Test Mean for Catalysis?. ACS Catalysis, 2019, 9, 2984-2995.	5.5	85
1567	Synergistic N-Heterocyclic Carbene/Palladium-Catalyzed Allylation of Aldehydes with Allylic Carbonates. Bulletin of the Chemical Society of Japan, 2019, 92, 937-940.	2.0	18
1568	Synthesis of (â^')-Verbenone-derived Triazolium Salts and Their Application in Enantioselective Intramolecular Stetter Reaction. Catalysts, 2019, 9, 117.	1.6	8
1569	Synthesis, reactivity and preliminary biological activity of iron(0) complexes with cyclopentadienone and aminoâ€appended Nâ€heterocyclic carbene ligands. Applied Organometallic Chemistry, 2019, 33, e4779.	1.7	16
1570	Complexes featuring N-heterocyclic carbenes with bowl-shaped wingtips. Comptes Rendus Chimie, 2019, 22, 299-309.	0.2	5
1571	Hydrogenation of (Hetero)aryl Boronate Esters with a Cyclic (Alkyl)(amino)carbeneâ€“Rhodium Complex: Direct Access to cis â€Substituted Borylated Cycloalkanes and Saturated Heterocycles. Angewandte Chemie, 2019, 131, 6626-6630.	1.6	11
1572	Hydrogenation of (Hetero)aryl Boronate Esters with a Cyclic (Alkyl)(amino)carbeneâ€“Rhodium Complex: Direct Access to cisâ€Substituted Borylated Cycloalkanes and Saturated Heterocycles. Angewandte Chemie - International Edition, 2019, 58, 6554-6558.	7.2	39
1573	N-Heterocyclic Carbene-Catalyzed Umpolung of Imines for the Enantioselective Synthesis of Dihydroquinoxalines. ACS Catalysis, 2019, 9, 4065-4071.	5.5	42
1574	The crystal structure of dichloroido(1,3-bis(2,6-dimethyl-phenyl)-1H-3l⁴-imidazol-2-yl)(2-methyl-4,5-dihydrooxazol-Î²N)palladium(IV)-w (1/1), C₂₃H₂₉Cl₂N₃O₂Pd. Zeitschrift Fur Kristallographie - New Crystal Structures, 2019, 234, 555-557.	0.1	0
1575	Equilibrium Coordination of NHCs to Si(IV) Species and Donor Exchange in Donorâ€“Acceptor Stabilized Si(II) and Ge(II) Compounds. Inorganic Chemistry, 2019, 58, 4071-4075.	1.9	12

#	Article	IF	Citations
1576	Carbeneâ€Catalyzed Enantioselective Decarboxylative Annulations to Access Dihydrobenzoxazinones and Quinolones. Angewandte Chemie, 2019, 131, 6002-6006.	1.6	17
1577	Construction of Pd/BiOCl Catalyst for Highlyâ€selective Synthesis of Benzoin Ethyl Ether by Chlorine Promoted Coupling Reaction. ChemCatChem, 2019, 11, 2676-2682.	1.8	4
1578	N-Heterocyclic Carbene Adducts of Main Group Elements and Their Use as Ligands in Transition Metal Chemistry. Chemical Reviews, 2019, 119, 6994-7112.	23.0	346
1579	Direct Installation of a Silyl Linker on Ready-Made NHC Ligands: Immobilized NHC-Pd Complex for Buchwaldâ€“Hartwig Amination. Organometallics, 2019, 38, 1872-1876.	1.1	14
1580	N-heterocyclic carbene-functionalized magic-number gold nanoclusters. Nature Chemistry, 2019, 11, 419-425.	6.6	333
1581	NHC-coordinated palladacycle catalyzed 1,2-addition of arylboronates to unactivated ketones. Synthetic Communications, 2019, 49, 1193-1201.	1.1	6
1582	Influence of pyrido-annulation on N,Nâ€²-dineopentyl-imidazolin-2-ylidene and associated transition metal complexes; comparison with benzo-, naphtho- and quinoxalino-annulation. Journal of Organometallic Chemistry, 2019, 890, 43-57.	0.8	4
1583	4-Halo-1,2,3-triazolylidenes: stable carbenes featuring halogen bonding. Dalton Transactions, 2019, 48, 6931-6941.	1.6	17
1584	Bent Phosphaallenes With â€œHiddenâ€•Lone Pairs as Ligands. Chemistry - A European Journal, 2019, 25, 7912-7920.	1.7	2
1585	CO2 adsorption and conversion into cyclic carbonates over a porous ZnBr2-grafted N-heterocyclic carbene-based aromatic polymer. Applied Catalysis B: Environmental, 2019, 251, 195-205.	10.8	112
1586	N-Heterocyclic Carbenes in Materials Chemistry. Chemical Reviews, 2019, 119, 4986-5056.	23.0	427
1587	Facile Chanâ€Lam coupling using ferrocene tethered Nâ€heterocyclic carbeneâ€copper complex anchored on graphene. Applied Organometallic Chemistry, 2019, 33, e4915.	1.7	16
1588	Diverse Coordination Modes of Bidentate COC and Tridentate CNC Ligands Comprising 1,2,3-Triazol-5-ylidenes. ACS Omega, 2019, 4, 6360-6374.	1.6	9
1589	Enantioselective Desymmetrization of 1,4â€Dihydropyridines by Oxidative NHC Catalysis. Chemistry - A European Journal, 2019, 25, 7469-7474.	1.7	15
1590	Transition-metal-free insertion of benzyl bromides into 2-(1H-benzo[d]imidazol-1-yl)benzaldehyde: One-pot switchable syntheses of benzo[4,5]imidazo[1,2-a]quinolin-5(7H)-ones and 3-arylquinolin-4-ones mediated by base. Tetrahedron, 2019, 75, 2785-2796.	1.0	1
1591	Superwettabilityâ€Based Interfacial Chemical Reactions. Advanced Materials, 2019, 31, e1800718.	11.1	128
1592	Cyclometalated Ruthenium(II) NHC Complexes with Imidazo[1,5â€a]pyridineâ€Based (C[^]C*) Ligands â€“ Synthesis and Characterization. European Journal of Inorganic Chemistry, 2019, 2019, 1956-1965.	1.0	9
1593	Enantioselective Total Synthesis of (â^')-Î”⁹-Tetrahydrocannabinol via N-Heterocyclic Carbene Catalysis. Organic Letters, 2019, 21, 1212-1215.	2.4	29

#	Article	IF	Citations
1594	Germylone-bridged bimetallic Ir and Rh complexes. Dalton Transactions, 2019, 48, 3555-3559.	1.6	9
1595	Structural and Luminescent Properties of Homoleptic Silver(I), Gold(I), and Palladium(II) Complexes with nNHC-tzNHC Heteroditopic Carbene Ligands. ACS Omega, 2019, 4, 4192-4205.	1.6	18
1596	Hydrogen Transfer Activation via Stabilization of Coordinatively Vacant Sites: Tuning Long-Range Ï€-System Electronic Interaction between Ru(0) and NHC Pendants. Organometallics, 2019, 38, 1041-1051.	1.1	14
1597	Nickel(II)- and Palladium(II)-NHC Complexes from Hydroxypyridine Functionalized C,O Chelate Type Ligands: Synthesis, Structure, and Catalytic Activity toward Kumadaâ€“Tamaoâ€“Corriu Reaction. Organometallics, 2019, 38, 1699-1708.	1.1	18
1598	Synthesis, Structure, and Bonding Analysis of Tin(II) Dihalide and Cyclopentadienyltin(II) Halide (Alkyl)(amino)carbene Complexes. Organometallics, 2019, 38, 1052-1061.	1.1	23
1599	N-Heterocyclic Carbene-Catalyzed Decarboxylative Alkylation of Aldehydes. Journal of the American Chemical Society, 2019, 141, 3854-3858.	6.6	226
1600	Oxidative addition of carbon dioxide into mesoionics. Physical Chemistry Chemical Physics, 2019, 21, 5531-5565.	1.3	3
1601	Rational Design of a Carbonâ€Boron Frustrated Lewis Pair for Metalâ€free Dinitrogen Activation. Chemistry - an Asian Journal, 2019, 14, 1413-1417.	1.7	57
1602	Nâ€Heterocyclic Carbene Catalyzed Asymmetric Synthesis of Pentacyclic Spirooxindoles via [3+3] Annulations of Isatinâ€Derived Enals and Cyclic Nâ€Sulfonyl Ketimines. Advanced Synthesis and Catalysis, 2019, 361, 1991-1994.	2.1	37
1603	Isomeric Palladium Complexes Bearing Imidazopyridine-Based Abnormal Carbene Ligands: Synthesis, Characterization, and Catalytic Activity in Direct Câ€“H Arylation Reaction. Organometallics, 2019, 38, 805-815.	1.1	25
1604	NHC-Catalyzed Aldol-Like Reactions of Allenoates with Isatins: Regiospecific Syntheses of Î³-Functionalized Allenoates. Organic Letters, 2019, 21, 1306-1310.	2.4	42
1605	N-Heterocyclic Carbene (NHC)/Metal Cooperative Catalysis. Topics in Current Chemistry, 2019, 377, 35.	3.0	44
1606	Carbene-Catalyzed Enantioselective Addition of Thioamides to Bromoenals for Access to Thiazinone Heterocycles. Organic Letters, 2019, 21, 9493-9496.	2.4	29
1607	Bicyclic (amino)(borata)carbene derived from diazadiborinine and isonitrile. Chemical Communications, 2019, 55, 13012-13014.	2.2	4
1608	Highly chemoselective, sterically sensitive NHC-catalysed amine acylation with pyridil. Chemical Communications, 2019, 55, 13526-13529.	2.2	1
1609	Cyclic (aryl)(amido)carbenes: pushing the Ï€-acidity of amidocarbenes through benzannulation. Chemical Communications, 2019, 55, 12300-12303.	2.2	26
1610	Dihydrogen activation by intermolecular rare-earth aryloxide/N-heterocyclic carbene Lewis pairs. Chemical Communications, 2019, 55, 12777-12780.	2.2	16
1611	Process-tracing study on the post-assembly modification of poly-NHC-based metallosupramolecular cylinders with tunable aggregation-induced emission. Chemical Communications, 2019, 55, 13689-13692.	2.2	8

#	Article	IF	Citations
1612	Relatives of cyanomethylene: replacement of the divalent carbon by B^{â˜}, N⁺, Al^{â˜}, Si, P⁺, Ga^{â˜}, Ge, and As⁺. Physical Chemistry Chemical Physics, 2019, 21, 26438-26452.	1.3	3
1613	Exploring different coordination modes of the first tetradentate NHC/1,2,3-triazole hybrid ligand for group 10 complexes. Dalton Transactions, 2019, 48, 14820-14828.	1.6	7
1614	Superalkali ligands as a building block for aromatic trinuclear Cu(<scp>i</scp>)â€“NHC complexes. Inorganic Chemistry Frontiers, 2019, 6, 3336-3344.	3.0	12
1615	N-Heterocyclic carbene catalysed umpolung reactions of imines approaching enantioselective synthesis. Organic Chemistry Frontiers, 2019, 6, 3821-3824.	2.3	21
1616	Gold mediated sp3Î±C-H functionalization of steroidal diglycoside and their anti-cancer evaluation. Natural Product Research, 2019, 35, 1-8.	1.0	0
1617	New morpholineâ€liganded palladium(II) Nâ€heterocyclic carbene complexes: Synthesis, characterization, crystal structure, and DNAâ€binding studies. Archiv Der Pharmazie, 2019, 352, e1900187.	2.1	8
1618	Donorâ€“Acceptor vs Electron-Shared Bonding: Triatomic Si_nC_{3â€“n} (n â‰¤ 3) Clusters Stabilized by Cyclic Alkyl(amino) Carbene. Journal of Physical Chemistry A, 2019, 123, 10764-10771.	1.1	5
1619	DFT Modeling of Organocatalytic Ring-Opening Polymerization of Cyclic Esters: A Crucial Role of Proton Exchange and Hydrogen Bonding. Polymers, 2019, 11, 2078.	2.0	23
1620	Complexes of palladium(II) with N-heterocyclic carbenes from adamantylimidazole as precatalysts for thiophene and imidazole arylation. Russian Chemical Bulletin, 2019, 68, 2039-2047.	0.4	6
1621	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
1622	Intercepted dehomologation of aldoses by N-heterocyclic carbene catalysis â€“ a novel transformation in carbohydrate chemistry. Chemical Communications, 2019, 55, 12144-12147.	2.2	7
1623	Using alcohols as simple H₂-equivalents for copper-catalysed transfer semihydrogenations of alkynes. Chemical Communications, 2019, 55, 13410-13413.	2.2	26
1624	Structural diversity in multinuclear tantalum polyhydrides formed via reductive hydrogenolysis of metalâ€“carbon bonds. Chemical Communications, 2019, 55, 13263-13266.	2.2	13
1625	Optimizing bidentate N-heterocyclic carbene ligands for the modification of late transition metal surfaces â€“ new insights through theory. Physical Chemistry Chemical Physics, 2019, 21, 24926-24934.	1.3	3
1626	Water-assisted stability of carbene: cyclic voltammetric investigation of 1-ethyl-3-methylimidazolium ethylsulfate ionic liquid. Physical Chemistry Chemical Physics, 2019, 21, 24126-24131.	1.3	6
1627	Relative stabilities of M/NHC complexes (M = Ni, Pd, Pt) against Râ€“NHC, Xâ€“NHC and Xâ€“X couplings in M(0)/M(<scp>ii</scp>) and M(<scp>ii</scp>)/M(<scp>iv</scp>) catalytic cycles: a theoretical study. Dalton Transactions, 2019, 48, 17052-17062.	1.6	12
1628	Hybrid catalysts based on N-heterocyclic carbene anchored on hierarchical zeolites. RSC Advances, 2019, 9, 35336-35344.	1.7	5
1629	On the Carbene-Like Reactions of Imidazolium Acetate Ionic Liquids: Can Theory and Experiments Agree?. European Journal of Organic Chemistry, 2019, 2019, 504-511.	1.2	21

#	Article	IF	Citations
1630	Interaction of Nâ€Heterocyclic Carbenes and Simple Carbenes with Small Molecules (One to) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 5 2019, 56, 359-370.	1.4	9
1631	A simple 1H NMR method for determining the Ïƒ-donor properties of N-heterocyclic carbenes. Tetrahedron Letters, 2019, 60, 378-381.	0.7	70
1632	Synthesis of 2-Aryl Naphthoquinones by the Cross-Dehydrogenative Coupling Involving an NHC-Catalyzed endo-Stetter Reaction. Journal of Organic Chemistry, 2019, 84, 1103-1110.	1.7	14
1633	Donor Stabilized Diatomic Gr.14 E₂ (E = Câ€“Pb) Molecule Dâ€“E₂â€“D (D = NHC,) Tj ETQq1 1 0.784314 rgB Physical Chemistry A, 2019, 123, 565-581.	1.1	15
1635	Carbene triel bonds between TrR 3 (Trâ€‰=â€‰B, Al) and Nâ€heterocyclic carbenes. International Journal of Quantum Chemistry, 2019, 119, e25867.	1.0	27
1636	NHC-Catalyzed Dual Stetter Reaction: A Mild Cascade Annulation for the Syntheses of Naphthoquinones, Isoflavanones, and Sugar-Based Chiral Analogues. Journal of Organic Chemistry, 2019, 84, 42-52.	1.7	26
1637	What Are the Radical Intermediates in Oxidative N-Heterocyclic Carbene Organocatalysis?. Journal of the American Chemical Society, 2019, 141, 1109-1117.	6.6	88
1638	[Pd(4-R₃Si-IPr)(allyl)Cl], a Family of Silyl-Substituted Pdâ€“NHC Complexes: Catalytic Systems for the Buchwaldâ€“Hartwig Amination. Organometallics, 2019, 38, 375-384.	1.1	22
1639	Development of ChiralC2-SymmetricN-Heterocyclic Carbene Rh(I) Catalysts through Control of Their Steric Properties. Organometallics, 2019, 38, 536-543.	1.1	6
1640	Specialized Ruthenium Olefin Metathesis Catalysts Bearing Bulky Unsymmetrical NHC Ligands: Computations, Synthesis, and Application. ACS Catalysis, 2019, 9, 587-598.	5.5	50
1641	Sulfinate and Carbene Coâ€catalyzed Rauhutâ€“Currier Reaction for Enantioselective Access to Azepino[1,2â€a]indoles. Angewandte Chemie - International Edition, 2019, 58, 477-481.	7.2	63
1642	Stable and Persistent Acyclic Diaminocarbenes with Cycloalkyl Substituents and Their Transformation to Î²â€Lactams by Uncatalysed Carbonylation with CO. Chemistry - A European Journal, 2019, 25, 1488-1497.	1.7	14
1643	Access to Allâ€Carbon Spirocycles through a Carbene and Thiourea Cocatalytic Desymmetrization Cascade Reaction. Angewandte Chemie, 2019, 131, 1798-1802.	1.6	14
1644	Ti (IV) Complexes with Bidentate Oâ€Chelating Nâ€Heterocyclic Carbenes for Use in the Homopolymerization of Ethylene and Its Copolymerization with Cyclic Olefins. ChemCatChem, 2019, 11, 744-752.	1.8	10
1645	Robust gold nanorods stabilized by bidentate N-heterocyclic-carbeneâ€“thiolate ligands. Nature Chemistry, 2019, 11, 57-63.	6.6	109
1646	Opportunities for organocatalysis in polymer synthesis via step-growth methods. Progress in Polymer Science, 2019, 90, 164-210.	11.8	90
1647	Access to Allâ€Carbon Spirocycles through a Carbene and Thiourea Cocatalytic Desymmetrization Cascade Reaction. Angewandte Chemie - International Edition, 2019, 58, 1784-1788.	7.2	57
1648	Recent Advances in the Chemistry of Nâ€Heterocyclicâ€Carbeneâ€Functionalized Metalâ€Nanoparticles and Their Applications. Chinese Journal of Chemistry, 2019, 37, 76-87.	2.6	42

#	Article	IF	Citations
1649	Reactive Dimerization of an Nâ€Heterocyclic Plumbylene: Câ^'H Activation with Pb^{II}. Angewandte Chemie - International Edition, 2019, 58, 1387-1391.	7.2	30
1650	Reactive Dimerization of an Nâ€Heterocyclic Plumbylene: Câ^'H Activation with Pb^{II}. Angewandte Chemie, 2019, 131, 1401-1405.	1.6	9
1651	Ï€-Excess-aromatic and non-aromatic 1,3-azaphospholes â€“ impact of annulation and multiple reactivity. Pure and Applied Chemistry, 2019, 91, 761-771.	0.9	2
1652	NHC-Catalyzed Generation of Î±,Î²-Unsaturated Acylazoliums for the Enantioselective Synthesis of Heterocycles and Carbocycles. Accounts of Chemical Research, 2019, 52, 425-436.	7.6	269
1653	Thermally Regulated Recyclable Carbene Catalysts for Upgrading of Biomass Furaldehydes. ACS Sustainable Chemistry and Engineering, 2019, 7, 1980-1988.	3.2	15
1654	Nâ€Heterocyclic Carbene Catalyzed Synthesis of Dihydroxybenzophenones from Î²â€Methylenals and Aurones. Chemistry - A European Journal, 2019, 25, 3253-3256.	1.7	20
1655	An Nâ€Heterocyclic Carbene with a Saturated Backbone and Spatiallyâ€Defined Steric Impact. Zeitschrift Fur Anorganische Und Allgemeine Chemie, 2019, 645, 105-112.	0.6	7
1662	Palladium Acyclic Diaminocarbene (ADC) Triflate Complexes as Effective Precatalysts for the Hiyama Alkynylation/Cyclization Reaction Yielding Benzofuran Compounds: Probing the Influence of the Triflate Coâ€Ligand in the Oneâ€Pot Tandem Reaction. ChemistrySelect, 2019, 4, 329-336.	0.7	14
1663	Synthesis of Linear Poly(oxazolidin-2-one)s by Cooperative Catalysis Based on N-Heterocyclic Carbenes and Simple Lewis Acids. Macromolecules, 2019, 52, 487-494.	2.2	17
1664	Highly active homoleptic nickel(II) bis-N-heterocyclic carbene catalyst for Suzukiâ€“Miyaura and Heck cross-coupling reactions. Polyhedron, 2019, 158, 125-134.	1.0	8
1665	Binding silver to chitooligosaccharides through N-heterocyclic carbenes: Synthesis and antimicrobial activity. Carbohydrate Research, 2019, 471, 6-12.	1.1	4
1666	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
1667	Syntheses and characterization of neutral and cationic cyclic (alkyl)(amino)carbene mercury [cAAC-Hg(II)] complexes. Journal of Organometallic Chemistry, 2019, 880, 108-115.	0.8	7
1668	Ligand acidity constants as calculated by density functional theory for PF3 and N-Heterocyclic carbene ligands in hydride complexes of Iron(II). Journal of Organometallic Chemistry, 2019, 880, 15-21.	0.8	8
1669	Rutheniumâ€Induced Alkyne Cycloisomerization: Construction of Metalated Heterocycles, Revelation of Unconventional Reaction Pathways, and Exploration of Functional Applications. Chemistry - A European Journal, 2019, 25, 2889-2897.	1.7	23
1670	2-methyl-1,4-benzodioxan-substituted bis(NHC)PdX2 complexes: Synthesis, characterization and the catalytic activity in the direct arylation reaction of some 2-alkyl-heterocyclic compounds. Journal of the Iranian Chemical Society, 2019, 16, 423-433.	1.2	11
1671	Strengths of different Lewis bases in stabilizing titanium fluorides: A theoretical insight. Inorganica Chimica Acta, 2019, 485, 162-172.	1.2	8
1672	Reduction vs. Addition: The Reaction of an Aluminyl Anion with 1,3,5,7â€Cyclooctatetraene. Angewandte Chemie - International Edition, 2019, 58, 1489-1493.	7.2	158

#	Article	IF	Citations
1673	Kinetic resolution of 2,2-disubstituted-1,3-diketones via carbene catalysis. Organic Chemistry Frontiers, 2019, 6, 290-298.	2.3	10
1674	3â€Aryl Substituted 1â€Methylquinolinium Salts as Carbene Precursors. European Journal of Organic Chemistry, 2019, 2019, 1301-1310.	1.2	9
1675	Borylated Nâ€Heterocyclic Carbenes: Rearrangement and Chemical Trapping. Chemistry - A European Journal, 2019, 25, 2556-2568.	1.7	3
1676	Stable Nâ€Heterocyclic Germylenes of the Type [Fe{(Î·⁵â€C₅H₄)NR}₂Ge] and Their Oxidation Reactions with Sulfur, Selenium, and Diphenyl Diselenide. Zeitschrift Fur Anorganische Und Allgemeine Chemie, 2019, 645, 188-197.	0.6	10
1677	Influences of Phenyl Rings on NHC Ligands with Bicyclic Architectures. Journal of Organic Chemistry, 2019, 84, 128-139.	1.7	4
1678	Ru(II)â€based antineoplastic: A â€œwingtipâ€•Nâ€heterocyclic carbene facilitates access to a new class of organometallics that are cytotoxic to common cancer cell lines. Applied Organometallic Chemistry, 2019, 33, e4692.	1.7	9
1679	(Dynamic) Kinetic Resolution of Enamines/Imines: Enantioselective Nâ€Heterocyclic Carbene Catalyzed [3+3] Annulation of Bromoenals and Enamines/Imines. Angewandte Chemie, 2019, 131, 1195-1199.	1.6	11
1680	(Dynamic) Kinetic Resolution of Enamines/Imines: Enantioselective Nâ€Heterocyclic Carbene Catalyzed [3+3] Annulation of Bromoenals and Enamines/Imines. Angewandte Chemie - International Edition, 2019, 58, 1183-1187.	7.2	46
1681	Intermediates of Nâ€Heterocyclic Carbene (NHC) Dimerization Probed in the Gas Phase by Ion Mobility Mass Spectrometry: Câˆ’Hâ‹…â‹…â‹…C Hydrogen Bonding Versus Covalent Dimer Formation. Chemistry - A European Journal, 2019, 25, 2511-2518.	1.7	18
1682	Homogeneous oxidation reactions catalysed by in situ-generated triazolylidene copper(I) complexes. Transition Metal Chemistry, 2019, 44, 145-151.	0.7	6
1683	Synthesis and characterization of a new poly(Nâ€“heterocyclic carbene Cu complex) immobilized on nanoâ€“silica, (CuIIâ€“NHCs)n@nSiO2, and its application as an efficient and reusable catalyst in the synthesis of benzimidazoles, benzothiazoles, 1,2,3â€“triazoles, bisâ€“triazoles and sonogashiraâ€“hagihara reactions. Inorganica Chimica Acta, 2019, 485, 173-189.	1.2	20
1684	Transfer hydrogenation of ketones catalyzed by a trinuclear Ni(II) complex of a Schiff base functionalized N-heterocyclic carbene ligand. Inorganica Chimica Acta, 2019, 484, 276-282.	1.2	26
1685	Switching the nature of catalytic centers in Pd/NHC systems by solvent effect driven nonâ€classical Râ€NHC Coupling. Journal of Computational Chemistry, 2019, 40, 191-199.	1.5	9
1686	Synthesis, characterization, and investigation of antiproliferative activity of novel Ag (I)-N-Heterocyclic Carbene (NHC) compounds. Journal of Molecular Structure, 2020, 1199, 126987.	1.8	15
1687	N-Heterocyclic Carbene (NHC)-Catalyzed Transformations for the Synthesis of Heterocycles. Progress in Heterocyclic Chemistry, 2020, , 1-82.	0.5	9
1688	Synergistic Nâ€Heterocyclic Carbene/Palladiumâ€Catalyzed Umpolung 1,4â€Addition of Aryl Iodides to Enals. Angewandte Chemie - International Edition, 2020, 59, 161-166.	7.2	54
1689	Carbeneâ€Catalyzed Enantioselective Aromatic Nâ€Nucleophilic Addition of Heteroarenes to Ketones. Angewandte Chemie - International Edition, 2020, 59, 442-448.	7.2	43
1690	On the active sites for the oxygen reduction reaction catalyzed by graphene-based materials. Carbon, 2020, 156, 389-398.	5.4	15

#	Article	IF	Citations
1691	Cyclization of chalcones into N-propionyl pyrazolines for their single crystal X-ray, computational and antibacterial studies. Journal of Molecular Structure, 2020, 1201, 127186.	1.8	20
1692	New AIE-Active Copolymers with Au(I) Isocyanide Acrylate Units. Journal of Inorganic and Organometallic Polymers and Materials, 2020, 30, 1490-1496.	1.9	4
1693	Gold and Carbene Relay Catalytic Enantioselective Cycloisomerization/Cyclization Reactions of Ynamides and Enals. Angewandte Chemie - International Edition, 2020, 59, 1557-1561.	7.2	69
1694	Synthesis of alkyl/aryl linked binuclear silver(I)-N-Heterocyclic carbene complexes and evaluation of their antimicrobial, hemolytic and thrombolytic potential. Inorganic Chemistry Communication, 2020, 111, 107670.	1.8	26
1695	Carbeneâ€Catalyzed Enantioselective Aromatic Nâ€Nucleophilic Addition of Heteroarenes to Ketones. Angewandte Chemie, 2020, 132, 450-456.	1.6	13
1696	Radical Acylfluoroalkylation of Olefins through Nâ€Heterocyclic Carbene Organocatalysis. Angewandte Chemie - International Edition, 2020, 59, 1863-1870.	7.2	153
1697	N-heterocyclic carbene as a promising metal-free electrocatalyst with high efficiency for nitrogen reduction to ammonia. Journal of Energy Chemistry, 2020, 46, 78-86.	7.1	33
1698	Highly Active Pd-PEPPSI Complexes for Suzuki-Miyaura Cross-coupling of Aryl Chlorides: an Investigation on the Effect of Electronic Properties. Chemical Research in Chinese Universities, 2020, 36, 859-864.	1.3	4
1699	Gold and Carbene Relay Catalytic Enantioselective Cycloisomerization/Cyclization Reactions of Ynamides and Enals. Angewandte Chemie, 2020, 132, 1573-1577.	1.6	16
1700	Goldâ€Catalyzed Crossâ€Coupling Reactions: An Overview of Design Strategies, Mechanistic Studies, and Applications. Chemistry - A European Journal, 2020, 26, 1442-1487.	1.7	128
1701	Halide Anion Triggered Reactions of Michael Acceptors with Tropylium Ion. Angewandte Chemie, 2020, 132, 1471-1475.	1.6	4
1702	Synergistic Nâ€Heterocyclic Carbene/Palladiumâ€Catalyzed Umpolung 1,4â€Addition of Aryl Iodides to Enals. Angewandte Chemie, 2020, 132, 167-172.	1.6	10
1703	Halide Anion Triggered Reactions of Michael Acceptors with Tropylium Ion. Angewandte Chemie - International Edition, 2020, 59, 1455-1459.	7.2	22
1704	Microwave assisted synthesis, spectroscopic and photophysical properties of novel pyrazol-3-one containing push -pull chromophore. Journal of Molecular Structure, 2020, 1202, 127103.	1.8	6
1705	Recent Advances in Rare Earth Complexes Containing N-Heterocyclic Carbenes: Synthesis, Reactivity, and Applications in Polymerization. Catalysts, 2020, 10, 71.	1.6	21
1706	From the hypothesis-driven development of organometallic anticancer drugs to new methods in mode of action studies. Advances in Inorganic Chemistry, 2020, 75, 339-359.	0.4	4
1707	Azobenzene Isomerizationâ€Induced Photomodulation of Electronic Properties of Nâ€Heterocyclic Carbenes. Chemistry - A European Journal, 2020, 26, 4214-4219.	1.7	10
1708	A DFT Study on the Redox Active Behavior of Carbene and Pyridine Ligands in the Oxidative and Reductive Quenching Cycles of Ruthenium Photoredox Catalysts. Catalysts, 2020, 10, 80.	1.6	5

#	Article	IF	Citations
1709	Enantioselective Î±-Amination of Acyclic 1,3-Dicarbonyls Catalyzed by N-Heterocyclic Carbene. Organic Letters, 2020, 22, 468-473.	2.4	22
1710	Catalysis, kinetics and mechanisms of organo-iridium enantioselective hydrogenation-reduction. Catalysis Science and Technology, 2020, 10, 590-612.	2.1	15
1711	Synthesis and characterisation of Pd(ii) and Au(i) complexes with mesoionic carbene ligands bearing phosphinoferrocene substituents and isomeric carbene moieites. Dalton Transactions, 2020, 49, 1011-1021.	1.6	12
1712	Influence of N-heterocyclic carbenes (NHCs) on the hydrolysis of a diphosphene. Dalton Transactions, 2020, 49, 993-997.	1.6	7
1713	Enantioselective NHC-Catalyzed [3+3] Annulation of Î±-Bromoenals with 2-Aminobenzimidazoles. Organic Letters, 2020, 22, 391-394.	2.4	33
1714	Anti-cancer gold, platinum and iridium compounds with porphyrin and/or N-heterocyclic carbene ligand(s). Advances in Inorganic Chemistry, 2020, , 87-119.	0.4	10
1715	N-Heterocyclic carbene/photo-cocatalyzed oxidative Smiles rearrangement: synthesis of aryl salicylates from O-aryl salicylaldehydes. Chemical Communications, 2020, 56, 1525-1528.	2.2	61
1716	Spin modification of iron(<scp>ii</scp>) complexes via covalent (dative) and dispersion guided non-covalent bonding with N-heterocyclic carbenes: DFT, DLPNO-CCSD(T) and MCSCF studies. Dalton Transactions, 2020, 49, 164-170.	1.6	5
1717	Palladium Complexes of Thio/Selenoâ€Ether Containing Nâ€Heterocyclic Carbenes: Efficient and Reusable Catalyst for Regioselective Câ€H Bond Arylation. European Journal of Inorganic Chemistry, 2020, 2020, 532-540.	1.0	19
1718	Aromaticity of Nâ€heterocyclic carbene and its analogues: Magnetically induced ring current perspective. International Journal of Quantum Chemistry, 2020, 120, e26152.	1.0	9
1719	Investigations of FeCl3 adducted N-heterocyclic carbene complex as curing-delayed action catalyst for polyurethane polymerization. Journal of Catalysis, 2020, 382, 77-85.	3.1	7
1720	NHC-Catalyzed Îµ-Umpolung via p-Quinodimethanes and Its Nucleophilic Addition to Ketones. ACS Catalysis, 2020, 10, 994-998.	5.5	37
1721	NHCâ€Stabilized Iridium Nanoparticles as Catalysts in Hydrogen Isotope Exchange Reactions of Anilines. Angewandte Chemie, 2020, 132, 3545-3550.	1.6	15
1722	N â€Heterocyclic Carbene Catalyzed [3+2] Cycloaddition of Enals with Î²,Î³ â€Unsaturated Î± â€Ketimino Esters for the Synthesis of Multisubstituted Cyclopentanone. Advanced Synthesis and Catalysis, 2020, 362, 807-811.	2.1	4
1723	Synthesis of the Cyclic Group 13 Phosphinidenides [(NHC)PMCl 2] 2 (NHC = SIMes, SIDipp; M = Al, Ga). Zeitschrift Fur Anorganische Und Allgemeine Chemie, 2020, 646, 648-652.	0.6	6
1724	Radical Acylfluoroalkylation of Olefins through Nâ€Heterocyclic Carbene Organocatalysis. Angewandte Chemie, 2020, 132, 1879-1886.	1.6	25
1725	Axial Chirality around Nâ€“P Bonds Induced by Complexation between E(C₆F₅)₃ (E = B, Al) and an N-Phosphine Oxide-Substituted Imidazolinylidene: A Key Intermediate in the Catalytic Phosphinoylation of CO₂. Journal of Organic Chemistry, 2020, 85, 14333-14341.	1.7	9
1726	The impact of cation structure upon the acidity of triazolium salts in dimethyl sulfoxide. Organic and Biomolecular Chemistry, 2020, 18, 66-75.	1.5	15

#	Article	IF	Citations
1727	NHC-Catalyzed Radical Trifluoromethylation Enabled by Togni Reagent. Organic Letters, 2020, 22, 443-447.	2.4	89
1728	The electrosynthesis of gold(I) complexes: A clean, one-pot method. Electrochemistry Communications, 2020, 110, 106620.	2.3	7
1729	Direct Asymmetric Hydrogenation and Dynamic Kinetic Resolution of Aryl Ketones Catalyzed by an Iridiumâ€NHC Exhibiting High Enantioâ€•and Diastereoselectivity. Chemistry - A European Journal, 2020, 26, 2333-2337.	1.7	12
1730	Synthesis, crystal structures, spectral investigations, conformational analysis and DFT studies of N-heterocyclic carbene precursors. Journal of Molecular Structure, 2020, 1204, 127519.	1.8	15
1731	Base-Controlled Directed Synthesis of Metalâ€“Methyleneimidazoline (MIz) and Metalâ€“Mesoionic Carbene (MIC) Compounds. Organometallics, 2020, 39, 189-200.	1.1	5
1732	From Prochiral N-Heterocyclic Carbenes to Optically Pure Metal Complexes: New Opportunities in Asymmetric Catalysis. Journal of the American Chemical Society, 2020, 142, 93-98.	6.6	39
1733	Carbeneâ€Catalyzed Formal [3+3] Cycloaddition Reaction for Access to Substituted 2â€Phenylbenzothiazoles. European Journal of Organic Chemistry, 2020, 2020, 492-495.	1.2	8
1734	Nâ€Heterocyclic Carbene Catalyzed Photoenolization/Dielsâ€“Alder Reaction of Acid Fluorides. Angewandte Chemie - International Edition, 2020, 59, 3190-3194.	7.2	109
1735	Singlet and triplet cyclononaâ€3,5,7â€trienylidenes and their Î±, Î¬â€halogenated derivatives at DFT. Journal of Physical Organic Chemistry, 2020, 33, e4018.	0.9	2
1736	Substituted Hammick carbenes: The effects of fused rings and hetero atoms through DFT calculations. Journal of Physical Organic Chemistry, 2020, 33, e4023.	0.9	16
1737	NHCâ€Stabilized Iridium Nanoparticles as Catalysts in Hydrogen Isotope Exchange Reactions of Anilines. Angewandte Chemie - International Edition, 2020, 59, 3517-3522.	7.2	50
1738	Enantio- and Diastereoselective Synthesis of Chromeno[4,3-b]pyrrole Derivatives Bearing Tetrasubstituted Chirality Centers through Carbene Catalyzed Cascade Reactions. Organic Letters, 2020, 22, 326-330.	2.4	21
1739	An Adaptable Nâ€Heterocyclic Carbene Macrocycle Hosting Copper in Three Oxidation States. Angewandte Chemie, 2020, 132, 5745-5754.	1.6	5
1740	Durch Nâ€heterocyclische Carbene katalysierte Photoenolisierungsâ€Dielsâ€Alderâ€Reaktion von SÃurefluoriden. Angewandte Chemie, 2020, 132, 3216-3220.	1.6	20
1741	Diastereodivergent synthesis of enantioenriched Î±,Î²-disubstituted Î³-butyrolactones via cooperative N-heterocyclic carbene and Ir catalysis. Nature Catalysis, 2020, 3, 48-54.	16.1	195
1742	The Mechanism of Nâ€Heterocyclic Carbene Organocatalysis through a Magnifying Glass. Chemistry - A European Journal, 2020, 26, 4885-4894.	1.7	26
1743	Precious metal N-heterocyclic carbene-carbaboranyl complexes: Cytotoxic and selective compounds for the treatment of cancer. Journal of Organometallic Chemistry, 2020, 907, 121062.	0.8	10
1744	Spectroscopic characterization, thermogravimetric and antimicrobial studies of some new metal complexes derived from4â€(4â€isopropyl phenyl)â€2â€oxoâ€6â€phenyl 1,2â€dihyropyridineâ€3â€carbonitrile (L). Applied Organometallic Chemistry, 2020, 34, e5334.	1.7	9

#	Article	IF	Citations
1745	Nâ€Heterocyclic Carbeneâ€Catalyzed Formal [6+2] Annulation Reaction via Crossâ€Conjugated Azaâ€Trienolate Intermediates. Chemistry - A European Journal, 2020, 26, 818-822.	1.7	21
1746	Stereoselective Syntheses of Highly Functionalized Imidazolidines and Oxazolidines via Ring-Opening Cyclization of Activated Aziridines and Epoxides with Amines and Aldehydes. Journal of Organic Chemistry, 2020, 85, 367-379.	1.7	14
1747	An alkyl-substituted aluminium anion with strong basicity and nucleophilicity. Nature Chemistry, 2020, 12, 36-39.	6.6	138
1748	An Adaptable Nâ€Heterocyclic Carbene Macrocycle Hosting Copper in Three Oxidation States. Angewandte Chemie - International Edition, 2020, 59, 5696-5705.	7.2	27
1749	Silver(I) and Nickel(II) Complexes with Oxygenâ€or Nitrogenâ€Functionalized NHC Ditopic Ligands and Catalytic Ethylene Oligomerization. European Journal of Inorganic Chemistry, 2020, 2020, 1073-1087.	1.0	5
1750	Metal N-heterocyclic carbene complexes in medicinal chemistry. Advances in Inorganic Chemistry, 2020, , 121-148.	0.4	37
1751	Strong Metalâ€“Adsorbate Interactions Increase the Reactivity and Decrease the Orientational Order of OH-Functionalized N-Heterocyclic Carbene Monolayers. Langmuir, 2020, 36, 697-703.	1.6	26
1752	Dimetallic Palladiumâ€NHC Complexes: Synthesis, Characterization, and Catalytic Application for Direct Cî—¸H Arylation Reaction of Heteroaromatics with Aryl Chlorides. Advanced Synthesis and Catalysis, 2020, 362, 648-658.	2.1	13
1753	Comprehensive Basicity Scales for Nâ€Heterocyclic Carbenes in DMSO: Implications on the Stabilities of Nâ€Heterocyclic Carbene and CO 2 Adducts. Chemistry - an Asian Journal, 2020, 15, 169-181.	1.7	18
1754	Rhodium(I) and Iridium(I) N-Heterocyclic carbene complexes of imidazolium functionalized amino acids and peptides. Journal of Organometallic Chemistry, 2020, 909, 121096.	0.8	4
1755	Enantioselective (3+2) cycloaddition via N-heterocyclic carbene-catalyzed addition of homoenolates to cyclic N-sulfonyl trifluoromethylated ketimines: synthesis of fused N-heterocycle Î³-lactams. Chemical Communications, 2020, 56, 1553-1556.	2.2	18
1756	Bulky Nâ€Heterocyclicâ€Carbeneâ€Coordinated Palladium Catalysts for 1,2â€Addition of Arylboron Compounds to Carbonyl Compounds. ChemCatChem, 2020, 12, 6291-6300.	1.8	7
1757	Impact of the Novel Z-Acceptor Ligand Bis{(ortho-diphenylphosphino)phenyl}zinc (ZnPhos) on the Formation and Reactivity of Low-Coordinate Ru(0) Centers. Inorganic Chemistry, 2020, 59, 15606-15619.	1.9	9
1758	Organometallic Nanoparticles Ligated by NHCs: Synthesis, Surface Chemistry and Ligand Effects. Catalysts, 2020, 10, 1144.	1.6	14
1759	Photochemical Decarboxylative C(sp³)â€“X Coupling Facilitated by Weak Interaction of N-Heterocyclic Carbene. Organic Letters, 2020, 22, 8059-8064.	2.4	30
1760	A cyclometalated Ir(<scp>iii</scp>)â€“NHC complex as a recyclable catalyst for acceptorless dehydrogenation of alcohols to carboxylic acids. Dalton Transactions, 2020, 49, 16866-16876.	1.6	19
1761	Catalytic, Metal-Free Amide Synthesis from Aldehydes and Imines Enabled by a Dual-Catalyzed Umpolung Strategy under Redox-Neutral Conditions. ACS Catalysis, 2020, 10, 12960-12966.	5.5	66
1762	Recent Advances in Stetter Reaction and Related Chemistry: An update. Asian Journal of Organic Chemistry, 2020, 9, 1999-2034.	1.3	42

#	Article	IF	Citations
1763	Palladium complexes with an annellated mesoionic carbene (MIC) ligand: catalytic sequential Sonogashira coupling/cyclization reaction for one-pot synthesis of benzofuran, indole, isocoumarin and isoquinolone derivatives. Dalton Transactions, 2020, 49, 15238-15248.	1.6	13
1764	Highly enantioselective 1,6-addition of dienolates to coumarins and chromones through N-heterocyclic carbene catalysis. Organic Chemistry Frontiers, 2020, 7, 3692-3697.	2.3	8
1765	Quinoxaline-anellated N,NÂ´-dialkylimidazolium salts and iPr2quinox-NHC-Pd halide complexes. Journal of Organometallic Chemistry, 2020, 926, 121487.	0.8	2
1766	Synthesis and evaluation of indole-substituted N-heterocyclic carbene ligands. Tetrahedron Letters, 2020, 61, 152450.	0.7	4
1767	NHC/Copper-Cocatalyzed [4 + 3] Annulations of Salicylaldehydes with Aziridines for the Synthesis of 1,4-Benzoxazepinones. Organic Letters, 2020, 22, 8396-8400.	2.4	25
1768	Improved Antiproliferative Activity and Fluorescence of a Dinuclear Gold(I) Bisimidazolylidene Complex via Anthraceneâ€Modification. Chemistry - an Asian Journal, 2020, 15, 4275-4279.	1.7	7
1769	Mechanistic Insights into the Nâ€Heterocyclic Carbene Catalyzed Synthesis of Î±,Î´â€Diketones: A DFT Approach. ChemistrySelect, 2020, 5, 11996-12008.	0.7	4
1770	Well-Defined Palladium N-Heterocyclic Carbene Complexes: Direct Câ€“H Bond Arylation of Heteroarenes. Journal of Organic Chemistry, 2020, 85, 13983-13996.	1.7	10
1771	Unsaturated and Benzannulated N-Heterocyclic Carbene Complexes of Titanium and Hafnium: Impact on Catalysts Structure and Performance in Copolymerization of Cyclohexene Oxide with CO2. Molecules, 2020, 25, 4364.	1.7	8
1772	N-Heterocyclic Carbene Gold(I) Complexes: Mechanism of the Ligand Scrambling Reaction and Their Oxidation to Gold(III) in Aqueous Solutions. Inorganic Chemistry, 2020, 59, 15312-15323.	1.9	27
1773	Î³-Difluoroalkylation: Synthesis of Î³-Difluoroalkyl-Î±,Î²-Unsaturated Esters via Photoredox NHC-Catalyzed Radical Reaction. Organic Letters, 2020, 22, 8173-8177.	2.4	20
1774	Three concomitant Câ€“C dissociation pathways during the mechanical activation of an N-heterocyclic carbene precursor. Nature Chemistry, 2020, 12, 826-831.	6.6	57
1775	Access to dihydropyrano[3,2-b]pyrrol-5-ones skeletons by N-heterocyclic carbene-catalyzed [3+3] annulations. Chemical Communications, 2020, 56, 9854-9857.	2.2	25
1776	The potential of d⁶ non-noble metal NHC catalysts for carbon dioxide hydrogenation: group and row effects. Catalysis Science and Technology, 2020, 10, 5443-5447.	2.1	15
1777	Tunable Redox-Active Triazenylâ€“Carbene Platforms: A New Class of Anolytes for Non-Aqueous Organic Redox Flow Batteries. ACS Applied Materials & Interfaces, 2020, 12, 37338-37345.	4.0	22
1778	Disappearing disorder. CrystEngComm, 2020, 22, 7432-7446.	1.3	5
1779	Progress toward colorimetric and fluorescent detection of carbonyl sulfide. Chemical Communications, 2020, 56, 9644-9647.	2.2	5
1780	Mechanisms underlying the cytotoxic activity of syn/anti-isomers of dinuclear Au(I) NHC complexes. European Journal of Medicinal Chemistry, 2020, 203, 112576.	2.6	13

#	Article	IF	Citations
1781	Biomass Transformation of Cellulose via N-Heterocyclic Carbene-Catalyzed Umpolung of 5-(Chloromethyl)furfural. Cell Reports Physical Science, 2020, 1, 100071.	2.8	12
1782	Chemoselective H/D exchange catalyzed by nickel nanoparticles stabilized by N-heterocyclic carbene ligands. Nanoscale, 2020, 12, 15736-15742.	2.8	14
1783	A Novel Bisoxazolineâ€Imidazolium Salt in Ytterbiumâ€Catalyzed Asymmetric Reduction of Ketone. European Journal of Organic Chemistry, 2020, 2020, 5025-5028.	1.2	0
1784	Types of chemistries involved in self-healing polymeric systems. , 2020, , 17-73.		4
1785	NHCâ€Pd complex heterogenized on graphene oxide for crossâ€coupling reactions and supercapacitor applications. Applied Organometallic Chemistry, 2020, 34, e5924.	1.7	16
1786	Pendant Alkoxy Groups on Nâ€Aryl Substitutions Drive the Efficiency of Imidazolylidene Catalysts for Homoenolate Annulation from Enal and Aldehyde. Angewandte Chemie - International Edition, 2020, 59, 19031-19036.	7.2	1
1787	Electrochemical deposition of N-heterocyclic carbene monolayers on metal surfaces. Nature Communications, 2020, 11, 5714.	5.8	32
1788	1,2,4-triazole-derived N-heterocyclic carbene complexes of platinum(II) as catalysts for hydroamination reactions and active anticancer agents. Inorganic Chemistry Communication, 2020, 121, 108173.	1.8	6
1789	N-Heterocyclic carbene (NHC) organocatalysis using aliphatic aldehydes. Chemical Communications, 2020, 56, 15484-15495.	2.2	52
1790	N-Heterocyclic Carbene-Mediated Ring Opening of Reduced Diazamagnesacycles. Organometallics, 2020, 39, 4575-4583.	1.1	5
1791	N-heterocyclic carbene-metal complexes as bio-organometallic antimicrobial and anticancer drugs, an update (2015â€“2020). Future Medicinal Chemistry, 2020, 12, 2239-2275.	1.1	49
1792	Density functional theory based embedding approaches for transition-metal complexes. Physical Chemistry Chemical Physics, 2020, 22, 26093-26103.	1.3	12
1793	Reactivity of an NHC-Coordinated Trisilacyclopropylidene with Transition Metal Carbonyl Compounds. Organometallics, 2020, 39, 4387-4394.	1.1	6
1794	N-Heterocyclic carbene-catalyzed enantioselective hetero-[10â€‰+â€‰2] annulation. Communications Chemistry, 2020, 3, .	2.0	14
1795	Ïƒ/Ï€ Plasticity of NHCs on the Rutheniumâ€“Phosphine and Rutheniumâ•Ylidene Bonds in Olefin Metathesis Catalysts. Organometallics, 2020, 39, 3972-3982.	1.1	10
1796	Optically Pure C₁-Symmetric Cyclic(alkyl)(amino)carbene Ruthenium Complexes for Asymmetric Olefin Metathesis. Journal of the American Chemical Society, 2020, 142, 19895-19901.	6.6	34
1797	Metal-ligand bond dissociation energies in the Ni, Pd, and Pt complexes with N-heterocyclic carbenes: effect of the oxidation state of the metal (0, +2). Russian Chemical Bulletin, 2020, 69, 2073-2081.	0.4	10
1798	Controlling MÃ¶bius-Type Helicity and the Excited-State Properties of Cumulenes with Carbenes. Journal of Physical Chemistry A, 2020, 124, 10100-10110.	1.1	16

#	Article	IF	Citations
1799	Synthesis of polysubstituted arenes through organocatalytic benzannulation. RSC Advances, 2020, 10, 40983-41003.	1.7	17
1800	Ground and Excited State Electronic Structures of d8-Squared Planar Platinum(II) and Gold(III) Complexes Bearing Cyclometallated 2,6-Diphenylpyridine and Pyrene-Derived N-Heterocyclic Carbene. Russian Journal of Inorganic Chemistry, 2020, 65, 1695-1702.	0.3	0
1801	A Combined Spectroscopic and Protein Crystallography Study Reveals Protein Interactions of Rh^I(NHC) Complexes at the Molecular Level. Inorganic Chemistry, 2020, 59, 17191-17199.	1.9	14
1802	Chalcogen complexes of anionic N-heterocyclic carbenes. Dalton Transactions, 2020, 49, 13207-13217.	1.6	19
1803	A general method for the synthesis of heterocyclic dithiocarboxylate betaines: Potential precursors of NHC based on a novel type of functionalization of the methyl group. Tetrahedron Letters, 2020, 61, 152228.	0.7	1
1804	Solution processable metalâ€“organic frameworks for mixed matrix membranes using porous liquids. Nature Materials, 2020, 19, 1346-1353.	13.3	181
1805	Straightforward access to chalcogenoureas derived from N-heterocyclic carbenes and their coordination chemistry. Dalton Transactions, 2020, 49, 12068-12081.	1.6	24
1806	Light opens a new window for N-heterocyclic carbene catalysis. Chemical Science, 2020, 11, 10605-10613.	3.7	114
1807	Recent Advances in the Cycloaddition Reactions of 2â€Benzylideneâ€1â€benzofuranâ€3â€ones, and Their Sulfur, Nitrogen and Methylene Analogues. Chemistry - an Asian Journal, 2020, 15, 2838-2853.	1.7	34
1808	Synthesis and characterization of nickel-N-heterocyclic carbenes linked to a calix[6]arene platform and their applications in Suzuki-Miyaura cross-coupling catalysis. Inorganica Chimica Acta, 2020, 505, 119494.	1.2	11
1809	Cobalt(â˜I)- and Rhodium(â˜I)-Mediated Dearylation of N-Aryl N-Heterocyclic Carbene Ligands. Organometallics, 2020, 39, 2871-2877.	1.1	16
1810	Cooperative NHC and Photoredox Catalysis for the Synthesis of Î²â€Trifluoromethylated Alkyl Aryl Ketones. Angewandte Chemie - International Edition, 2020, 59, 19956-19960.	7.2	162
1811	Pyridine-Chelated Imidazo[1,5-a]Pyridine N-Heterocyclic Carbene Nickel(II) Complexes for Acrylate Synthesis from Ethylene and CO2. Catalysts, 2020, 10, 758.	1.6	5
1812	Lab-based operando x-ray photoelectron spectroscopy for probing low-volatile liquids and their interfaces across a variety of electrosystems. Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films, 2020, 38, .	0.9	7
1813	Syntheses and Reactivity of New Zwitterionic Imidazolium Trihydridoborate and Triphenylborate Species. Molecules, 2020, 25, 3184.	1.7	1
1814	Tuning the Reactivity of a Heterogeneous Catalyst using Nâ€Heterocyclic Carbene Ligands for Câ˜H Activation Reactions. Angewandte Chemie - International Edition, 2020, 59, 20879-20884.	7.2	20
1815	Tethered Polynuclear Copperâ€“Chalcogenolate Assemblies Enabled via NHC Ligation. Organometallics, 2020, 39, 2900-2906.	1.1	2
1816	An Imidazoliumâ€Based Lipid Analogue as a Gene Transfer Agent. Chemistry - A European Journal, 2020, 26, 17176-17182.	1.7	12

#	Article	IF	Citations
1817	Oxidative Addition of Water, Alcohols, and Amines in Palladium Catalysis. Angewandte Chemie - International Edition, 2020, 59, 21088-21095.	7.2	25
1818	(N â€Heterocyclic carbene) ionâ€pair palladium complexes: Suzukiâ€“Miyaura crossâ€coupling studies in neat water under mild conditions. Applied Organometallic Chemistry, 2020, 34, e5955.	1.7	4
1819	[Pd(NHC)(Î¼-Cl)Cl]2: Versatile and Highly Reactive Complexes for Cross-Coupling Reactions that Avoid Formation of Inactive Pd(I) Off-Cycle Products. IScience, 2020, 23, 101377.	1.9	56
1820	Pendant Alkoxy Groups on Nâ€Aryl Substitutions Drive the Efficiency of Imidazolylidene Catalysts for Homoenolate Annulation from Enal and Aldehyde. Angewandte Chemie, 2020, 132, 19193-19198.	1.6	0
1821	Phosphorescent Trisâ€Bidentate Ir^{III} Complexes with Nâ€Heterocyclic Carbene Scaffolds: Structural Diversity and Optical Properties. European Journal of Inorganic Chemistry, 2020, 2020, 3427-3442.	1.0	39
1822	Synthetic Routes to Late Transition Metalâ€“NHC Complexes. Trends in Chemistry, 2020, 2, 721-736.	4.4	118
1823	Photophysical Investigation of Iron(II) Complexes Bearing Bidentate Annulated Isomeric Pyridine-NHC Ligands. Journal of Physical Chemistry C, 2020, 124, 18379-18389.	1.5	16
1824	Bio- and Medicinally Compatible Î±-Amino-Acid Modification via Merging Photoredox and N-Heterocyclic Carbene Catalysis. Organic Letters, 2020, 22, 6370-6375.	2.4	28
1825	Transition-Metal-Catalyzed Denitrative Coupling of Nitroarenes. ACS Catalysis, 2020, 10, 9856-9871.	5.5	67
1826	CNC-pincer iron complexes containing a bis(N-heterocyclic carbene)Amido ligand: Synthesis and application to catalytic hydrogenation of alkenes. Journal of Organometallic Chemistry, 2020, 923, 121436.	0.8	8
1827	Transition metal complexes of a bis(carbene) ligand featuring 1,2,4-triazolin-5-ylidene donors: structural diversity and catalytic applications. Dalton Transactions, 2020, 49, 11958-11970.	1.6	14
1828	NHC-Catalyzed Asymmetric Î±-Regioselective [4 + 2] Annulation to Construct Î±-Alkylidene-Î´-lactones. Organic Letters, 2020, 22, 7025-7029.	2.4	20
1829	Chiral Metal Nanoparticles for Asymmetric Catalysis. Topics in Organometallic Chemistry, 2020, , 279-314.	0.7	5
1830	Effects of nitrogen atoms on the stability and reactivity of tricyclic boracarbenes by DFT. Theoretical Chemistry Accounts, 2020, 139, 1.	0.5	6
1831	Analyses of the Structural and Electronic Properties of NHCs with Bicyclic Architectures. Organometallics, 2020, 39, 3839-3848.	1.1	5
1832	Synthesis of novel NHCâ€“Rh complexes with anti-tumor activity against MCF-7 human breast cancer cells. Arkivoc, 2020, 2020, 94-104.	0.3	1
1833	Interstellar Formation of Biorelevant Pyruvic Acid (CH3COCOOH). CheM, 2020, 6, 3385-3395.	5.8	27
1834	Mechanistic Study of Pd/NHCâ€Catalyzed Sonogashira Reaction: Discovery of NHCâ€Ethynyl Coupling Process. Chemistry - A European Journal, 2020, 26, 15672-15681.	1.7	12

#	Article	IF	Citations
1835	Direct (Hetero)arylation of Heteroarenes Catalyzed by Unsymmetrical Pd-PEPPSI-NHC Complexes under Mild Conditions. Organometallics, 2020, 39, 3524-3534.	1.1	28
1836	Modular Synthesis of Chiral NHC Precursors and Their Silver and Gold Complexes. Organometallics, 2020, 39, 3572-3589.	1.1	4
1837	Synthesis and Biological Studies on Dinuclear Gold(I) Complexes with Di-(N-Heterocyclic Carbene) Ligands Functionalized with Carbohydrates. Molecules, 2020, 25, 3850.	1.7	6
1838	Synergistic N-Heterocyclic Carbene/Palladium-Catalyzed [3 + 2] Annulation of Vinyl Enolates with 1-Tosyl-2-vinylaziridine. Organic Letters, 2020, 22, 7725-7729.	2.4	24
1839	Bioactivity and DNA/BSA Interactions of Selenium Nâ€Heterocyclic Carbene Adducts. ChemistrySelect, 2020, 5, 10970-10981.	0.7	14
1840	Bimetallic Bis-NHC-Ir(III) Complex Bearing 2-Arylbenzo[d]oxazolyl Ligand: Synthesis, Catalysis, and Bimetallic Effects. Organometallics, 2020, 39, 3514-3523.	1.1	23
1841	Dienolateâ€Mediated, Regioselective C2â€Polarity Reversal of Chromoneâ€Based Reactants and Their Application in Nucleophilic Strategies. Advanced Synthesis and Catalysis, 2020, 362, 5352-5357.	2.1	10
1842	Transition-Metal Capping to Suppress Back-Donation to Enhance Donor Ability. Organometallics, 2020, 39, 4191-4194.	1.1	7
1843	Ln(<scp>ii</scp>) amido complexes coordinated by ring-expanded N-heterocyclic carbenes â€“ promising catalysts for olefin hydrophosphination. Chemical Communications, 2020, 56, 12913-12916.	2.2	21
1844	Computational investigations of NHC-backbone configurations for applications in organocatalytic umpolung reactions. Organic and Biomolecular Chemistry, 2020, 18, 7437-7447.	1.5	3
1845	Chemo-selective cross reaction of two enals via carbene-catalyzed dual activation. Chemical Science, 2020, 11, 12533-12539.	3.7	11
1846	Metalated Irâ€“CNP Complexes Containing Imidazolinâ€2â€ylidene and Imidazolidinâ€2â€ylidene Donors â€“ Synthesis, Structure, Luminescence, and Metalâ€“Ligand Cooperative Reactivity. European Journal of Inorganic Chemistry, 2020, 2020, 3944-3953.	1.0	6
1847	Kooperative Zusammenarbeit von Nâ€heterocyclischen Carbenen auf einer GoldoberflÃche. Angewandte Chemie, 2020, 132, 21416-21422.	1.6	5
1848	Enantioselective N-Heterocyclic Carbene Catalysis via Acyl Azolium without Exogenous Oxidants. ACS Catalysis, 2020, 10, 11791-11796.	5.5	11
1849	B3LYP, M06 and B3PW91 DFT assignment of nd8 metal-bis-(N-heterocyclic carbene) complexes. Journal of Molecular Modeling, 2020, 26, 246.	0.8	6
1850	Cationic Phosphorus Compounds Based on a Bis(1-piperidinyl)-Substituted Carbodiphosphorane: Syntheses, Structures, and C_{sp³}â€“H Activation. Organometallics, 2020, 39, 4312-4319.	1.1	0
1851	An Annelated Mesoionic Carbene (MIC) Based Ru(II) Catalyst for Chemo- and Stereoselective Semihydrogenation of Internal and Terminal Alkynes. Organometallics, 2020, 39, 3212-3223.	1.1	16
1852	Visible-Light-Triggered Iodinations Facilitated by Weak Electrostatic Interaction of N-Heterocyclic Carbenes. Organic Letters, 2020, 22, 7187-7192.	2.4	26

#	Article	IF	Citations
1853	Coordination complexes of slight tetrylene with platinum(II)-8-hydroxyquinolines: Structure and bonding analysis. Vietnam Journal of Chemistry, 2020, 58, 364-371.	0.7	0
1854	The Influence of C(sp 3)Hâ€“Selenium Interactions on the 77 Seâ€…NMR Quantification of the Ï€â€Accepting Properties of Carbenes. Angewandte Chemie, 2020, 132, 22212-22217.	1.6	23
1855	Kooperative NHCâ€•und Photoredoxâ€Katalyse zur Synthese Î²â€trifluormethylierter Alkylarylketone. Angewandte Chemie, 2020, 132, 20129-20134.	1.6	28
1856	Naphthyl-Derived Orthometalated Ru^{II}-NHC Complexes: Effect of the NHC Donors and/or Substitution Pattern on Their Synthesis and Catalytic Activity. Organometallics, 2020, 39, 3362-3374.	1.1	11
1857	Oxidative Addition of Water, Alcohols, and Amines in Palladium Catalysis. Angewandte Chemie, 2020, 132, 21274-21281.	1.6	4
1858	Synthesis and Catalytic Properties of Metalâ€“N-Heterocyclic-Carbene-Decorated Covalent Organic Framework. Organic Letters, 2020, 22, 7363-7368.	2.4	27
1859	Mercury(II) Complexes of Anionic N-Heterocyclic Carbene Ligands: Steric Effects of the Backbone Substituent. Molecules, 2020, 25, 3741.	1.7	3
1860	Synthesis of Mesoionic N-Heterocyclic Olefins and Catalytic Application for Hydroboration Reactions. Journal of Organic Chemistry, 2020, 85, 12036-12043.	1.7	36
1861	Tuning the Reactivity of a Heterogeneous Catalyst using Nâ€Heterocyclic Carbene Ligands for Câ^'H Activation Reactions. Angewandte Chemie, 2020, 132, 21065-21070.	1.6	7
1862	Glycolysis of PET Using 1,3-Dimethylimidazolium-2-Carboxylate as an Organocatalyst. ACS Sustainable Chemistry and Engineering, 2020, 8, 13362-13368.	3.2	76
1863	The Effect of the Leaving Group in N-Heterocyclic Carbene-Catalyzed Nucleophilic Aromatic Substitution Reactions. Bulletin of the Chemical Society of Japan, 2020, 93, 1424-1429.	2.0	11
1864	Characterizing the Metalâ€“Ligand Bond Strength via Vibrational Spectroscopy: The Metalâ€“Ligand Electronic Parameter (MLEP). Topics in Organometallic Chemistry, 2020, , 227-269.	0.7	3
1865	Tris(carbene) Stabilization of Monomeric Magnesium Cations: A Neutral, Nontethered Ligand Approach. Organometallics, 2020, 39, 4329-4339.	1.1	12
1866	Soft Heteroleptic N-Heterocyclic Carbene Palladium(II) Species for Efficient Catalytic Routes to Alkynones via Carbonylative Sonogashira Coupling. ACS Omega, 2020, 5, 23687-23702.	1.6	11
1867	Cooperation of Nâ€Heterocyclic Carbenes on a Gold Surface. Angewandte Chemie - International Edition, 2020, 59, 21230-21235.	7.2	22
1868	The Influence of C(sp³)Hâ€“Selenium Interactions on the ⁷⁷Seâ€…NMR Quantification of the Ï€â€Accepting Properties of Carbenes. Angewandte Chemie - International Edition, 2020, 59, 22028-22033.	7.2	51
1869	Iron-catalysed 1,2-aryl migration of tertiary azides. Chemical Communications, 2020, 56, 11685-11688.	2.2	10
1871	Synthesis and Characterization of a Tetradentate, N-Heterocyclic Carbene Copper(II) Complex and Its Use as a Chanâ€“Evansâ€“Lam Coupling Catalyst. Organometallics, 2020, 39, 4457-4464.	1.1	24

#	Article	IF	Citations
1872	Carbene-Catalyzed Enantioselective Synthesis of Î³-Keto-Î²-silyl Esters and Amides. Organic Letters, 2020, 22, 9545-9550.	2.4	21
1873	Regioselective Synthesis of Chromones via Cyclocarbonylative Sonogashira Coupling Catalyzed by Highly Active Bridged-Bis(N-Heterocyclic Carbene)Palladium(II) Complexes. ACS Omega, 2020, 5, 32515-32529.	1.6	13
1874	Cooperative N-Heterocyclic Carbene/Palladium-Catalyzed Umpolung 1,4-Addition of Vinyl Bromides to Enals. Organic Letters, 2020, 22, 9603-9608.	2.4	10
1875	Nickel-catalyzed reductive coupling of homoenolates and their higher homologues with unactivated alkyl bromides. Nature Communications, 2020, 11, 5638.	5.8	24
1876	Synthesis, Selected Transformations, and Biological Activity of Alkoxy Analogues of Lepidilines A and C. Materials, 2020, 13, 4190.	1.3	6
1877	New Directions in the Modeling of Organometallic Reactions. Topics in Organometallic Chemistry, 2020, , .	0.7	1
1878	Silver (I) N-Heterocyclic Carbenes Carbosilane Dendritic Systems and Their Imidazolium-Terminated Analogues as Antibacterial Agents: Study of Their Mode of Action. Pharmaceutics, 2020, 12, 968.	2.0	9
1879	Reagent addition sequence and equivalent in <scp>Nâ€heterocyclic carbeneâ€catalyzed</scp> nonpolar inversion enable conversion from aldimine to benzoxazole. International Journal of Quantum Chemistry, 2020, 120, e26249.	1.0	2
1880	Catalytic, Enantioselective C2-Functionalization of 3-Aminobenzofurans Using N-Heterocyclic Carbenes. Organic Letters, 2020, 22, 3865-3869.	2.4	37
1881	Sequential Visible-Light and N-Heterocyclic Carbene Catalysis: Stereoselective Synthesis of Tetrahydropyrano[2,3-b]indoles. Organic Letters, 2020, 22, 4440-4443.	2.4	40
1882	Mechanistic Understanding of the Heterogeneous, Rhodium-Cyclic (Alkyl)(Amino)Carbene-Catalyzed (Fluoro-)Arene Hydrogenation. ACS Catalysis, 2020, 10, 6309-6317.	5.5	44
1883	<scp>Nâ€Heterocyclic</scp> Carbene Copper(I) Complex Catalyzed Coupling of (Hetero)aryl Chlorides and Nitrogen Heterocycles: Highly Efficient Catalytic System. Chinese Journal of Chemistry, 2020, 38, 1252-1256.	2.6	5
1884	<scp>Nâ€Heterocyclic</scp> Carbene Organocatalysis: Activation Modes and Typical Reactive Intermediates. Chinese Journal of Chemistry, 2020, 38, 1167-1202.	2.6	181
1885	Synthesis, Structures, and Electronic Properties of O- and S-Heterocyclic Carbene Complexes of Iridium, Copper, Silver, and Gold. Organometallics, 2020, 39, 1762-1771.	1.1	2
1886	Cyclometalated Ir(<scp>iii</scp>) complexes towards blue-emissive dopant for organic light-emitting diodes: fundamentals of photophysics and designing strategies. Inorganic Chemistry Frontiers, 2020, 7, 2396-2422.	3.0	66
1887	Recent advances in N-heterocyclic carbene-based radical catalysis. Chemical Science, 2020, 11, 5630-5636.	3.7	224
1888	Synthesis and comparative study of the anticancer activity of Î·3-allyl palladium(II) complexes bearing N-heterocyclic carbenes as ancillary ligands. Polyhedron, 2020, 186, 114607.	1.0	18
1889	High-throughput photocapture approach for reaction discovery. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 13261-13266.	3.3	47

#	Article	IF	Citations
1890	A promising class of luminescent derivatives of Silver(I) and Gold(I)â€Nâ€heterocyclic carbene. Applied Organometallic Chemistry, 2020, 34, e5673.	1.7	8
1891	Saturated NHC Derived Dichalcogen Dications. Zeitschrift Fur Anorganische Und Allgemeine Chemie, 2020, 646, 574-579.	0.6	6
1892	Imidazolium Based Fluorous Nâ€Heterocyclic Carbenes as Effective and Recyclable Organocatalysts for Redox Esterification. European Journal of Organic Chemistry, 2020, 2020, 3591-3598.	1.2	7
1893	Stable Carbenes, Nitrenes, Phosphinidenes, and Borylenes: Past and Future. CheM, 2020, 6, 1275-1282.	5.8	68
1894	Synthesis, Spectroscopic and Computational Studies of Rhodium(III) Complexes Bearing Nâ€Heterocyclic Carbeneâ€Based C[^]N[^]C Pincer Ligand and Bipyridine/Terpyridine. European Journal of Inorganic Chemistry, 2020, 2020, 2343-2351.	1.0	2
1895	Reduction hydrogenation of imines by in situ generated rhodium NHC complexes. Journal of Molecular Structure, 2020, 1216, 128351.	1.8	4
1896	Synthesis of ferrocenyl imidazolium salts and their novel PEPPSI-type N-heterocyclic carbene (NHC) palladium complexes. Inorganica Chimica Acta, 2020, 511, 119792.	1.2	1
1897	Do polymer ligands block the catalysis of metal nanoparticles? Unexpected importance of binding motifs in improving catalytic activity. Journal of Materials Chemistry A, 2020, 8, 15900-15908.	5.2	22
1898	Recent developments in 1,6-addition reactions of para-quinone methides (p-QMs). Organic Chemistry Frontiers, 2020, 7, 1743-1778.	2.3	195
1899	Bis-tridentate N-Heterocyclic Carbene Ru(II) Complexes are Promising New Agents for Photodynamic Therapy. Inorganic Chemistry, 2020, 59, 8882-8892.	1.9	34
1900	Unveiling the Chemo- and Stereoselectivities of NHC-Catalyzed Reactions of an Aliphatic Ester with Aminochalcone. Journal of Organic Chemistry, 2020, 85, 8437-8446.	1.7	26
1901	A Unidirectional Surface-Anchored N-Heterocyclic Carbene Rotor. Nano Letters, 2020, 20, 5922-5928.	4.5	33
1902	Imines as acceptors and donors in N-heterocyclic carbene (NHC) organocatalysis. Chemical Communications, 2020, 56, 8537-8552.	2.2	62
1903	Lewis Acidity and Basicity: Another Measure of Carbene Reactivity. Journal of Physical Chemistry A, 2020, 124, 6096-6103.	1.1	11
1904	Anomalous restoration of sp² hybridization in graphene functionalization. Nanoscale, 2020, 12, 13351-13359.	2.8	25
1905	Carbeneâ€Induced Rescue of Catalytic Activity in Deactivated Nitrite Reductase Mutant. Chemistry - A European Journal, 2020, 26, 15206-15211.	1.7	2
1906	Synthesis of electrophilic N-heterocyclic carbenes based on azahelicene. Tetrahedron Letters, 2020, 61, 152143.	0.7	7
1907	Advances in Nâ€Heterocyclic Carbene Catalysis for Natural Product Synthesis. European Journal of Organic Chemistry, 2020, 2020, 5917-5925.	1.2	15

#	Article	IF	Citations
1908	Dual N-heterocyclic carbene/photocatalysis: a new strategy for radical processes. Organic Chemistry Frontiers, 2020, 7, 2082-2087.	2.3	63
1909	Prediction of NHC-catalyzed chemoselective functionalizations of carbonyl compounds: a general mechanistic map. Chemical Science, 2020, 11, 7214-7225.	3.7	44
1910	Piano-Stool Iron Complexes as Precatalysts for gem-Specific Dimerization of Terminal Alkynes. Organometallics, 2020, 39, 2320-2326.	1.1	20
1911	Rare example of structurally characterized mononuclear N-heterocyclic carbene containing zinc carboxylate. Mendeleev Communications, 2020, 30, 293-295.	0.6	7
1912	N-heterocyclic carbene-palladium-imine complex catalyzed Î±-arylation of ketones with aryl and heteroaryl chlorides under air atmosphere. Tetrahedron Letters, 2020, 61, 152124.	0.7	5
1913	The key role of Râ€“NHC coupling (R = C, H, heteroatom) and Mâ€“NHC bond cleavage in the evolution of M/NHC complexes and formation of catalytically active species. Chemical Science, 2020, 11, 6957-6977.	3.7	87
1914	N-Heterocyclic Carbene-Based Catalysis Enabling Cross-Coupling Reactions. ACS Catalysis, 2020, 10, 6862-6869.	5.5	213
1915	Platinum(II) 1,2,4-Triazolin-5-ylidene Complexes: Stereoelectronic Influences on Their Catalytic Activity in Hydroelementation Reactions. Organometallics, 2020, 39, 2309-2319.	1.1	18
1916	Modern Synthetic Approaches to Phosphorusâ€Sulfur Bond Formation in Organophosphorus Compounds. Advanced Synthesis and Catalysis, 2020, 362, 2801-2846.	2.1	42
1917	Synthesis and Electrocatalytic HER Studies of Carbene-Ligated Cu_{3â€“x}P Nanocrystals. ACS Applied Materials & Interfaces, 2020, 12, 16394-16401.	4.0	19
1918	Substituent Effect Parameters: Extending the Applications to Organometallic Chemistry. ChemPhysChem, 2020, 21, 1028-1035.	1.0	5
1919	NHC-Catalyzed Cascade Reaction between Î²-Methyl Enals and Dienones for Quick Construction of Complex Multicyclic Lactones. Organic Letters, 2020, 22, 2595-2599.	2.4	23
1920	Quantifying the Electronic and Steric Properties of 1,3-Imidazole-Based Mesoionic Carbenes (iMICs). Organometallics, 2020, 39, 1719-1729.	1.1	46
1921	Novel and efficient bridged bis(N â€heterocyclic carbene)palladium(II) catalysts for selective carbonylative Suzukiâ€“Miyaura coupling reactions to biaryl ketones and biaryl diketones. Applied Organometallic Chemistry, 2020, 34, e5636.	1.7	9
1922	A new PEPPSI type N-heterocyclic carbene palladium(II) complex and its efficiency as a catalyst for Mizoroki-Heck cross-coupling reactions in water. Journal of Chemical Sciences, 2020, 132, 1.	0.7	12
1923	N-Heterocyclic Carbene Catalysis Exploiting Oxidative Imine Umpolung for the Generation of Imidoyl Azoliums. Journal of Organic Chemistry, 2020, 85, 5114-5121.	1.7	20
1924	Stretching the Pâ€“C Bond. Variations on Carbenes and Phosphanes. Journal of Physical Chemistry A, 2020, 124, 2660-2671.	1.1	5
1925	Expanding the Scope of Waterâ€Stable Rhenium(V)â€NHC Complexes â€“ Synthesis, Characterization, and Derivatization. European Journal of Inorganic Chemistry, 2020, 2020, 1004-1010.	1.0	4

#	Article	IF	Citations
1926	Towards the Preparation of Stable Cyclic Amino(ylide)Carbenes. Molecules, 2020, 25, 796.	1.7	7
1927	Combined Photoredox and Carbene Catalysis for the Synthesis of Ketones from Carboxylic Acids**. Angewandte Chemie, 2020, 132, 9228-9233.	1.6	27
1928	Carbene-Catalyzed Reaction of Indolyl Methylenemalononitriles and Enals for Access to Complex Tetrahydrocarbazoles. Organic Letters, 2020, 22, 2542-2547.	2.4	18
1929	Design of Ru(II)-NHC-Diamine Precatalysts Directed by Ligand Cooperation: Applications and Mechanistic Investigations for Asymmetric Hydrogenation. Journal of the American Chemical Society, 2020, 142, 7100-7107.	6.6	53
1930	Silver(I) N-Heterocyclic Carbene Complexes Derived from Clotrimazole: Antiproliferative Activity and Interaction with an Artificial Membrane-Based Biosensor. Organometallics, 2020, 39, 1318-1331.	1.1	11
1931	Recent Progress in N-Heterocyclic Carbene Gold-Catalyzed Reactions of Alkynes Involving Oxidation/Amination/Cycloaddition. Catalysts, 2020, 10, 350.	1.6	34
1932	Ambident Reactivity of Imidazolium Cations as Evidence of the Dynamic Nature of Nâ€Heterocyclic Carbeneâ€Mediated Organocatalysis. Chemistry - A European Journal, 2020, 26, 8567-8571.	1.7	8
1933	Interlocking increases the persistence of N-heterocyclic carbenes in solution. Chemical Communications, 2020, 56, 4773-4776.	2.2	6
1934	Aromaticity and sterics control whether a cationic olefin radical is resistant to disproportionation. Chemical Science, 2020, 11, 4138-4149.	3.7	29
1935	Longâ€Lived Circularly Polarized Phosphorescence in Heliceneâ€NHC Rhenium(I) Complexes: The Influence of Helicene, Halogen, and Stereochemistry on Emission Properties. Angewandte Chemie, 2020, 132, 8472-8478.	1.6	22
1936	Longâ€Lived Circularly Polarized Phosphorescence in Heliceneâ€NHC Rhenium(I) Complexes: The Influence of Helicene, Halogen, and Stereochemistry on Emission Properties. Angewandte Chemie - International Edition, 2020, 59, 8394-8400.	7.2	64
1937	Orbital Decomposition of the Carbon Chemical Shielding Tensor in Gold(I) Nâ€Heterocyclic Carbene Complexes. European Journal of Inorganic Chemistry, 2020, 2020, 1177-1183.	1.0	4
1938	Enantioselective Nâ€Acylation of Biginelli Dihydropyrimidines by Oxidative NHC Catalysis. European Journal of Organic Chemistry, 2020, 2020, 2439-2447.	1.2	9
1939	New protective ligands for atomically precise silver nanoclusters. Dalton Transactions, 2020, 49, 5406-5415.	1.6	38
1940	Supramolecular Construction of a [16]â€Imidazolium Cage via a Quadruple [2+2] Photocycloaddition and Its Selective Fluorescent Recognition of Pyranine (HPTS). Chemistry - A European Journal, 2020, 26, 7190-7193.	1.7	11
1941	Reaction of chloroauric acid with histidine in microdroplets yields a catalytic Auâ€“(His)₂complex. Chemical Science, 2020, 11, 2558-2565.	3.7	25
1942	The pK_avalues ofN-aryl imidazolinium salts, their higher homologues, and formamidinium salts in dimethyl sulfoxide. Organic and Biomolecular Chemistry, 2020, 18, 1910-1917.	1.5	7
1943	Molecular complexes and main-chain organometallic polymers based on Janus bis(carbenes) fused to metalloporphyrins. Dalton Transactions, 2020, 49, 7005-7014.	1.6	9

#	Article	IF	Citations
1944	N-Heterocyclic Carbenes: XII. Sterically Congested Diterpene Imidazolium and Benzimidazolium Salts. Russian Journal of Organic Chemistry, 2020, 56, 775-780.	0.3	0
1945	Recent advances in annellated NHCs and their metal complexes. Coordination Chemistry Reviews, 2020, 422, 213334.	9.5	43
1946	Probing the potential of metalla-N-heterocyclic carbenes towards activation of enthalpically strong bonds. Dalton Transactions, 2020, 49, 9505-9515.	1.6	2
1947	Using sodium acetate for the synthesis of [Au(NHC)X] complexes. Dalton Transactions, 2020, 49, 9694-9700.	1.6	28
1948	Development of Ferrocene-Based Planar Chiral Imidazopyridinium Salts for Catalysis. Organometallics, 2020, 39, 2705-2712.	1.1	10
1949	Lightâ€Promoted Organocatalysis with Nâ€Heterocyclic Carbenes. ChemPhotoChem, 2020, 4, 5147-5153.	1.5	44
1950	Nâ€Heterocyclic Phosphido Complexes of Rhodium Supported by a Rigid Pincer Ligand. European Journal of Inorganic Chemistry, 2020, 2020, 2873-2881.	1.0	7
1951	Enantioselective Synthesis of Tricyclic Î²-Lactones by NHC-Catalyzed Desymmetrization of Cyclic 1,3-Diketones. Organic Letters, 2020, 22, 5407-5411.	2.4	26
1952	A tropylium annulated N-heterocyclic carbene. Chemical Communications, 2020, 56, 9020-9023.	2.2	4
1953	Aziridines and 2H-Azirines: Monocyclic. , 2022, , 1-114.		2
1954	Synthesis, crystal structure, photophysical properties, DFT studies and Hirshfeld surface analysis of a phosphorescent 1,2,4-triazole-based iridium(III) complex. Polyhedron, 2020, 188, 114690.	1.0	2
1955	Platinum(II), palladium(II) and gold(I) benzimidazolin-2-ylidene as potential probes for determination of N-heterocyclic carbene donor strengths and steric bulks by DFT calculations. Journal of Chemical Sciences, 2020, 132, 1.	0.7	3
1956	Recent Advances in Organocatalystâ€Mediated Benzannulation Reactions. Advanced Synthesis and Catalysis, 2020, 362, 4010-4026.	2.1	49
1957	A Strategy for the Construction of Triply Interlocked Organometallic Cages by Rational Design of Poly-NHC Precursors. Journal of the American Chemical Society, 2020, 142, 13614-13621.	6.6	74
1958	N â€Heterocyclic Carbeneâ€Catalyzed Enantioselective Intramolecular Annulations to Construct Benzoâ€Fused Pyranones with Quaternary Stereocenter. Advanced Synthesis and Catalysis, 2020, 362, 3830-3835.	2.1	12
1959	Low-coordinate M(0) complexes of group 10 stabilized by phosphorus(III) ligands and N-heterocyclic carbenes. Advances in Organometallic Chemistry, 2020, , 241-323.	0.5	4
1960	Phosphorescent Cationic Heterodinuclear Ir^{III}/M^I Complexes (M=Cu^I, Au^I) with a Hybrid Janusâ€Type Nâ€Heterocyclic Carbene Bridge. Chemistry - A European Journal, 2020, 26, 11751-11766.	1.7	4
1961	Synthesis of aryl linked binuclear silver N-heterocyclic carbene complexes, DNA interaction study and biological potentials. Inorganic Chemistry Communication, 2020, 119, 108077.	1.8	24

#	Article	IF	Citations
1962	Single Electron Activation of Aryl Carboxylic Acids. IScience, 2020, 23, 101266.	1.9	56
1963	NHC-catalyzed enantioselective synthesis of Î²-trifluoromethyl-Î²-hydroxyamides. Beilstein Journal of Organic Chemistry, 2020, 16, 1572-1578.	1.3	3
1964	Carbodicarbene Ligand Redox Noninnocence in Highly Oxidized Chromium and Cobalt Complexes. Inorganic Chemistry, 2020, 59, 4118-4128.	1.9	13
1965	N-Heterocyclic carbene-catalyzed deaminative cross-coupling of aldehydes with Katritzky pyridinium salts. Chemical Science, 2020, 11, 3192-3197.	3.7	121
1966	Synthesis and Reactivity of Poly(propyleneimine) Dendrimers Functionalized with Cyclopentadienone N-Heterocyclic-Carbene Ruthenium(0) Complexes. Catalysts, 2020, 10, 264.	1.6	9
1967	Sterically Demanding Ag^I and Cu^I Nâ€Heterocyclic Carbene Complexes: Synthesis, Structures, Steric Parameters, and Catalytic Activity. Chemistry - A European Journal, 2020, 26, 5530-5540.	1.7	17
1968	paraâ€Quinone Methides as Acceptors in 1,6â€Nucleophilic Conjugate Addition Reactions for the Synthesis of Structurally Diverse Molecules. European Journal of Organic Chemistry, 2020, 2020, 2650-2692.	1.2	154
1969	Red-emitting neutral rhenium(<scp>i</scp>) complexes bearing a pyridyl pyridoannelated N-heterocyclic carbene. Dalton Transactions, 2020, 49, 3102-3111.	1.6	12
1970	Synthesis, characterization, catalytic and biological application of half-sandwich ruthenium complexes bearing hemilabile (Îº2-C,S)-thioether-functionalised NHC ligands. Dalton Transactions, 2020, 49, 3243-3252.	1.6	18
1971	Potent Inhibition of Thioredoxin Reductase by the Rh Derivatives of Anticancer M(arene/Cp*)(NHC)Cl₂Complexes. Inorganic Chemistry, 2020, 59, 3281-3289.	1.9	53
1972	A Sequential Umpolung /Enzymatic Dynamic Kinetic Resolution Strategy for the Synthesis of Î³â€Lactones. Chemistry - A European Journal, 2020, 26, 5794-5798.	1.7	8
1973	Modular synthesis of Îµ-aryl Î²-perfluoroalkyl ketones via N-heterocyclic carbene catalysis. Chemical Communications, 2020, 56, 3801-3804.	2.2	55
1974	Computational Investigations of the Effects of N-Heterocyclic Carbene Ligands on the Mechanism, Reactivity, and Regioselectivity of Rh-Catalyzed Hydroborations. ACS Catalysis, 2020, 10, 3820-3827.	5.5	16
1975	Nâ€Heterocyclic Carbene Catalyzed Photooxidation: Intramolecular Cross Dehydrogenative Coupling of Tetrahydroisoquinolineâ€Tethered Aldehydes. Advanced Synthesis and Catalysis, 2020, 362, 1819-1824.	2.1	27
1976	Combined Photoredox and Carbene Catalysis for the Synthesis of Ketones from Carboxylic Acids**. Angewandte Chemie - International Edition, 2020, 59, 9143-9148.	7.2	162
1977	Theoretical investigation on the palladium-catalyzed selective formation of spirocyclenes from dienallenes. Journal of Organometallic Chemistry, 2020, 912, 121173.	0.8	2
1978	Nâ€Heterocyclic Carbene (NHC)â€Stabilized Ru 0 Nanoparticles: In Situ Generation of an Efficient Transfer Hydrogenation Catalyst. Chemistry - A European Journal, 2020, 26, 7622-7630.	1.7	21
1979	N-Cyclopropenio-imidazol-2-ylidene: An N-heterocyclic carbene bearing an N-cationic substituent. Chemical Communications, 2020, 56, 3305-3308.	2.2	11

#	Article	IF	Citations
1980	Tuning electronic structure through halide modulation of mesoionic carbene cobalt complexes. Dalton Transactions, 2020, 49, 2426-2430.	1.6	9
1981	Multifunctional Au I â€based AIEgens: Manipulating Molecular Structures and Boosting Specific Cancer Cell Imaging and Theranostics. Angewandte Chemie, 2020, 132, 7163-7171.	1.6	17
1982	C S cross-coupling catalyzed by a series of easily accessible, well defined Ni(II) complexes of the type [(NHC)Ni(Cp)(Br)]. Journal of Catalysis, 2020, 383, 193-198.	3.1	13
1983	Chiral Imidazo[1,5-a]pyridineâ€“Oxazolines: A Versatile Family of NHC Ligands for the Highly Enantioselective Hydrosilylation of Ketones. Organometallics, 2020, 39, 247-257.	1.1	17
1984	Synthesis of RhIII and IrIII Complexes Bearing Chelating Di-NHC Ligands Obtained from N9-Imidazolium-Substituted Adenine. Organometallics, 2020, 39, 344-352.	1.1	8
1985	A crystalline C5-protonated 1,3-imidazol-4-ylidene. Chemical Communications, 2020, 56, 2027-2030.	2.2	32
1986	N-Heterocyclic Carbenes as Reversible Exciton-Delocalizing Ligands for Photoluminescent Quantum Dots. Journal of the American Chemical Society, 2020, 142, 2690-2696.	6.6	29
1987	A Volatile Dialane Complex from Ring Expansion of an N-Heterocyclic Carbene and Its Use in the Thermal Atomic Layer Deposition of Aluminum Metal Films. Organometallics, 2020, 39, 1006-1013.	1.1	8
1988	N-Heterocyclic carbene (NHC)-catalyzed tandem imine umpolungâ€“aza-Michael additionâ€“oxidation of Î²-carboline cyclic imines. Chemical Communications, 2020, 56, 2803-2806.	2.2	25
1989	Functionalised Nâ€Heterocyclic Carbene Ligands in Bimetallic Architectures. Chemistry - A European Journal, 2020, 26, 5927-5941.	1.7	32
1990	Nâ€Heterocyclic Carbeneâ€Catalyzed Activation of Ynals for the Construction of Functional Pyridines. Asian Journal of Organic Chemistry, 2020, 9, 385-390.	1.3	11
1991	Synthesis and Characterization of Cationic Platinum(II) Complexes with Two Chelating Ligands. European Journal of Inorganic Chemistry, 2020, 2020, 575-580.	1.0	5
1992	A Concise, Enantioselective Approach for the Synthesis of Yohimbine Alkaloids. Journal of the American Chemical Society, 2020, 142, 2187-2192.	6.6	26
1993	Photo/N-Heterocyclic Carbene Co-catalyzed Ring Opening and Î³-Alkylation of Cyclopropane Enal. Organic Letters, 2020, 22, 986-990.	2.4	53
1994	Oxidation Reactions of the Nâ€Heterocyclic Stannylenes [o â€C 6 H 4 (NSi t BuMe 2) 2]Sn and [{Fe(Î· 5 â€C 5 H) Tj ETQq0 0 0 rgBT /C Und Allgemeine Chemie, 2020, 646, 761-768.	0.6	7
1995	Iron N-heterocyclic carbene complexes in homogeneous catalysis. Chemical Society Reviews, 2020, 49, 1209-1232.	18.7	74
1996	Stable abnormal N-heterocyclic carbenes and their applications. Chemical Society Reviews, 2020, 49, 1233-1252.	18.7	192
1997	Threeâ€Coordinate Rhodium Complexes in Low Oxidation States. Chemistry - A European Journal, 2020, 26, 3270-3274.	1.7	6

#	Article	IF	Citations
1998	Organocatalyzed Kinetic Resolution of Î±-Functionalized Ketones: The Malonate Unit Leads the Way. ACS Catalysis, 2020, 10, 2882-2893.	5.5	19
1999	N-Heterocyclic Carbene Complexes in Câ€“H Activation Reactions. Chemical Reviews, 2020, 120, 1981-2048.	23.0	429
2000	Dinitrogen Activation by Tricoordinated Boron Species: A Systematic Design. Advanced Theory and Simulations, 2020, 3, 1900205.	1.3	31
2001	Immobilized Pd on a NHC functionalized metalâ€“organic framework MILâ€101(Cr): an efficient heterogeneous catalyst in Suzukiâ€“Miyaura coupling reaction in water. Applied Organometallic Chemistry, 2020, 34, e5470.	1.7	34
2002	Synthesis, Structure, and Anticancer Activity of Symmetrical and Non-symmetrical Silver(I)-N-Heterocyclic Carbene Complexes. Applied Biochemistry and Biotechnology, 2020, 191, 1171-1189.	1.4	28
2003	Mononuclear Gold(I) bis-N-heterocyclic carbene: Synthesis and photophysical study. Journal of Organometallic Chemistry, 2020, 910, 121137.	0.8	5
2004	Group 13 Element Trihalide Complexes of Anionic Nâ€Heterocyclic Carbenes. Chemistry - an Asian Journal, 2020, 15, 845-851.	1.7	20
2005	Synthesis and Activity of Six-Membered Cyclic Alkyl Amino Carbeneâ€“Ruthenium Olefin Metathesis Catalysts. Organometallics, 2020, 39, 495-499.	1.1	29
2006	N-Heterocyclic Carbenes for the Self-Assembly of Thin and Highly Insulating Monolayers with High Quality and Stability. ACS Nano, 2020, 14, 6043-6057.	7.3	28
2007	Dinuclear Gold(I) Complexes Bearing N,Nâ€²â€Allylâ€Bridged Bisimidazolylidene Ligands. Chemistry - an Asian Journal, 2020, 15, 1848-1851.	1.7	7
2008	Recent advances in soluble ruthenium(0) nanocatalysts and their reactivity. Applied Catalysis A: General, 2020, 598, 117561.	2.2	4
2009	Development of Quinoline-Derived Chiral Diaminocarbene Ligands and Their Transition Metal Complexes: Synthesis, Structural Characterization, and Catalytic Properties. Organometallics, 2020, 39, 1945-1960.	1.1	4
2010	Selfâ€Assembled Monolayers of Nitron: Selfâ€Activated and Chemically Addressable Nâ€Heterocyclic Carbene Monolayers with Triazolone Structural Motif. Chemistry - A European Journal, 2020, 26, 13046-13052.	1.7	13
2011	NHC Core Phosphonium Ylide-based Palladium(II) Pincer Complexes: The Second Ylide Extremity Makes the Difference. Inorganic Chemistry, 2020, 59, 7082-7096.	1.9	19
2012	Simple synthetic protocol to obtain 3d-4f-heterometallic carboxylate complexes of N-heterocyclic carbenes. Inorganica Chimica Acta, 2020, 508, 119643.	1.2	13
2013	The first used butylene linked bis(N-heterocyclic carbene)-palladium-PEPPSI complexes in the direct arylation of furan and pyrrole. Journal of Organometallic Chemistry, 2020, 915, 121236.	0.8	19
2014	Airâ€Stable Oxyallyl Patterns and a Switchable Nâ€Heterocyclic Carbene. Angewandte Chemie, 2020, 132, 11613-11617.	1.6	4
2015	An Electronâ€Rich Cyclic (Alkyl)(Amino)Carbene on Au(111), Ag(111), and Cu(111) Surfaces. Angewandte Chemie - International Edition, 2020, 59, 13643-13646.	7.2	42

#	Article	IF	Citations
2016	Airâ€Stable Oxyallyl Patterns and a Switchable Nâ€Heterocyclic Carbene. Angewandte Chemie - International Edition, 2020, 59, 11516-11520.	7.2	10
2017	An Arylazopyrazoleâ€Based Nâ€Heterocyclic Carbene as a Photoswitch on Gold Surfaces: Lightâ€Switchable Wettability, Work Function, and Conductance. Angewandte Chemie - International Edition, 2020, 59, 13651-13656.	7.2	58
2018	Lysosome-targeted chemotherapeutics: Anticancer mechanism of N-heterocyclic carbene iridium(III) complex. Journal of Inorganic Biochemistry, 2020, 207, 111063.	1.5	17
2019	Influence of ring substituents on the electronic properties of 1,2,4-triazolylidenes. Journal of Organometallic Chemistry, 2020, 915, 121234.	0.8	1
2020	Ligand effects on the photophysical properties of N,Nâ€²-diisopropylbenzimidazolylidene-protected C-centered hexagold(I) clusters. Journal of Organometallic Chemistry, 2020, 917, 121271.	0.8	8
2021	An Iron Pincer Complex in Four Oxidation States. Inorganic Chemistry, 2020, 59, 5632-5645.	1.9	13
2022	Synthesis and Reactivity of Cobalt(I) and Iridium(I) Complexes Bearing a Pentadentate N-Homoallyl-Substituted Bis(NHC) Pincer Ligand. Organometallics, 2020, 39, 1221-1229.	1.1	10
2023	When Gold Meets Perfumes: Synthesis of Olfactive Compounds via Gold-Catalyzed Cycloisomerization Reactions. Organic Letters, 2020, 22, 4058-4062.	2.4	22
2024	Abnormal N-Heterocyclic Carbeneâ€“Palladium Complexes for the Copolymerization of Ethylene and Polar Monomers. ACS Catalysis, 2020, 10, 5443-5453.	5.5	22
2025	NHC-Copper Mediated Ligand-Directed Radiofluorination of Aryl Halides. Journal of the American Chemical Society, 2020, 142, 7362-7367.	6.6	33
2026	SET processes in Lewis acidâ€“base reactions: the tritylation of N-heterocyclic carbenes. Chemical Science, 2020, 11, 7615-7618.	3.7	35
2027	Application of 1-Hydroxy-4,5-Dimethyl-Imidazole 3-Oxide as Coformer in Formation of Pharmaceutical Cocrystals. Pharmaceutics, 2020, 12, 359.	2.0	12
2028	Alkoxydiaminophosphine Ligands as Surrogates of NHCs in Copper Catalysis. Chemistry - A European Journal, 2020, 26, 10330-10335.	1.7	7
2029	Electronic Finetuning of a Bioâ€inspired Iron(II) tetraâ€NHC Complex by trans Axial Isocyanide Substitution. Chemistry - an Asian Journal, 2020, 15, 1896-1902.	1.7	11
2030	Stirring or milling? First synthesis of Rh(I)-(di-N-heterocyclic carbene) complexes both in solution and in a ball mill. Journal of Organometallic Chemistry, 2020, 918, 121308.	0.8	9
2031	NHC-Catalyzed 1,2-Selective Hydroboration of Quinolines. ACS Catalysis, 2020, 10, 5023-5029.	5.5	23
2032	Syntheses of Bis(N-heterocyclic carbene)s and their application in main-group chemistry. Journal of Organometallic Chemistry, 2020, 918, 121289.	0.8	8
2033	Transition metal free synthesis of multifunctional thiomethylated-benzenes from aryl/heteroaryl/cyclopropyl methyl ketones. Tetrahedron, 2020, 76, 131183.	1.0	6

#	Article	IF	Citations
2034	Construction of Ïƒ-Aromatic AlB₂Ring via Borane Coupling with a Dicoordinate Cyclic (Alkyl)(Amino)Aluminyl Anion. Journal of the American Chemical Society, 2020, 142, 9057-9062.	6.6	111
2035	Interaction of imidazolium-based lipids with phospholipid bilayer membranes of different complexity. Physical Chemistry Chemical Physics, 2020, 22, 9775-9788.	1.3	18
2036	The synthesis of novel boronate esters and N-Heterocyclic carbene (NHC)-stabilized boronate esters: Spectroscopy, antimicrobial and antioxidant studies. Journal of Organometallic Chemistry, 2020, 917, 121268.	0.8	17
2037	Construction of Dihydropyrido[2,3-d]pyrimidine Scaffolds via Aza-Claisen Rearrangement Catalyzed by N-Heterocyclic Carbenes. Journal of Organic Chemistry, 2020, 85, 6645-6662.	1.7	15
2038	Access to Optically Enriched Î±-Aryloxycarboxylic Esters via Carbene-Catalyzed Dynamic Kinetic Resolution and Transesterification. Organic Letters, 2020, 22, 3335-3338.	2.4	18
2039	Minimization of Amounts of Catalyst and Solvent in NHC-Catalyzed Benzoin Reactions of Solid Aldehydes: Mechanistic Consideration of Solid-to-Solid Conversion and Total Synthesis of Isodarparvinol B. ACS Omega, 2020, 5, 10207-10216.	1.6	14
2040	Rotation-Triggered Transmetalation on a Heterobimetallic Cu/Al N-Phosphine-Oxide-Substituted Imidazolylidene Complex. Journal of the American Chemical Society, 2020, 142, 9772-9784.	6.6	18
2041	Water-soluble NHC-stabilized platinum nanoparticles as recoverable catalysts for hydrogenation in water. Catalysis Science and Technology, 2020, 10, 2874-2881.	2.1	13
2042	Synthesis, Structure and Antioxidant Activity of Mixed Ruthenium(III) Benzoyl Pyridine Complex. Asian Journal of Chemistry, 2020, 32, 641-645.	0.1	1
2043	Ein elektronenreiches cyclisches (Alkyl)(amino)carben auf Au(111)â€, Ag(111)â€•und Cu(111)â€OberflÃchen. Angewandte Chemie, 2020, 132, 13745-13749.	1.6	10
2044	Ein auf Arylazopyrazol basierendes Nâ€heterocyclisches Carben als Photoschalter auf GoldoberflÃchen: Lichtschaltbare Benetzbarkeit, Austrittsarbeit und Leitwert. Angewandte Chemie, 2020, 132, 13754-13759.	1.6	9
2045	Acyl Donor Intermediates in Nâ€Heterocyclic Carbene Catalysis: Acyl Azolium or Azolium Enolate?. Angewandte Chemie - International Edition, 2021, 60, 4507-4511.	7.2	13
2046	Acyl Donor Intermediates in Nâ€Heterocyclic Carbene Catalysis: Acyl Azolium or Azolium Enolate?. Angewandte Chemie, 2021, 133, 4557-4561.	1.6	6
2047	Nickelâ€Catalyzed Intramolecular 1,2â€Aryl Migration of Mesoionic Carbenes (iMICs). Angewandte Chemie - International Edition, 2021, 60, 2969-2973.	7.2	20
2048	Approaching a â€œNakedâ€•Boryl Anion: Amide Metathesis as a Route to Calcium, Strontium, and Potassium Boryl Complexes. Angewandte Chemie - International Edition, 2021, 60, 2064-2068.	7.2	25
2049	N-heterocyclic carbene-catalyzed radical reactions. Science China Chemistry, 2021, 64, 7-16.	4.2	87
2050	Synthesis, characterization and catalytic activity of PEPPSI-type palladiumâ€“NHC complexes. Inorganica Chimica Acta, 2021, 515, 120043.	1.2	13
2051	Singleâ€Electron Transfer Reactions Enabled by Nâ€Heterocyclic Carbene Organocatalysis. Chemistry - A European Journal, 2021, 27, 3238-3250.	1.7	78

#	Article	IF	Citations
2052	Exploring Oxidative NHCâ€Catalysis as Organocatalytic Polymerization Strategy towards Polyamide Oligomers. Chemistry - A European Journal, 2021, 27, 1839-1848.	1.7	14
2053	Cobaltâ"NHC Catalyzed C(sp²)â"C(sp³) and C(sp²)â"C(sp²) Kumada Crossâ€Coupling of Aryl Tosylates with Alkyl and Aryl Grignard Reagents. ChemCatChem, 2021, 13, 202-206.	1.8	9
2054	Oxidative Addition of 2â€Halogenopyridines and 2â€Chloroquinoline to Zeroâ€Valent Group 10 Metals. Zeitschrift Fur Anorganische Und Allgemeine Chemie, 2021, 647, 448-455.	0.6	1
2055	Recent advances in N-heterocyclic carbene-catalyzed radical reactions. Chinese Chemical Letters, 2021, 32, 660-667.	4.8	108
2056	Photofunctionality of iron(III) N-heterocyclic carbenes and related d transition metal complexes. Coordination Chemistry Reviews, 2021, 426, 213517.	9.5	44
2057	Carbenaporphyrins: No Longer Missing Ligands in Nâ€Heterocyclic Carbene Chemistry. Angewandte Chemie - International Edition, 2021, 60, 2007-2012.	7.2	17
2058	A Stable Nâ€Heterocyclic Silylene with a 1,1â€²â€Ferrocenediyl Backbone. Angewandte Chemie, 2021, 133, 2656-2660.	1.6	1
2059	Selfâ€Assembly of Benzimidazoleâ€Derived Trisâ€NHC Ligands and Ag I â€Ions to Hexanuclear Organometallic Cages and Their Unusual Transmetalation Chemistry. Chemistry - A European Journal, 2021, 27, 594-599.	1.7	12
2060	Donor Functionalized Iron(II) Nâ€Heterocyclic Carbene Complexes in Transfer Hydrogenation Reactions. European Journal of Inorganic Chemistry, 2021, 2021, 22-29.	1.0	13
2061	A Stable Nâ€Heterocyclic Silylene with a 1,1â€²â€Ferrocenediyl Backbone. Angewandte Chemie - International Edition, 2021, 60, 2624-2628.	7.2	21
2062	Bifunctional Nâ€Heterocyclic Carbeneâ€Catalyzed Highly Enantioselective Transâ€Cyclopentannulation of Enals and Enones via Homoenolate. ChemCatChem, 2021, 13, 712-717.	1.8	2
2063	Iron carbonyl complexes of a rigid chelating dicarbene: A density functional theory study. Inorganica Chimica Acta, 2021, 514, 120002.	1.2	1
2064	Reaction mechanism of regioisomerization in binuclear (diaminocarbene)PdII complexes. Inorganica Chimica Acta, 2021, 514, 120012.	1.2	7
2065	Anticancer and antibacterial properties of trinuclear Cu(I), Ag(I) and Au(I) macrocyclic NHC/urea complexes. Journal of Organometallic Chemistry, 2021, 932, 121643.	0.8	30
2066	Chargeâ€Tagged N â€Heterocyclic Carbenes (NHCs): Revealing the Hidden Side of NHCâ€Catalysed Reactions through Electrospray Ionization Mass Spectrometry. ChemPlusChem, 2021, 86, 209-223.	1.3	4
2067	Revealing the Similarities of Î±,Î²â€Unsaturated Iminiums and Acylazoliums in Organocatalysis. Angewandte Chemie, 2021, 133, 13828.	1.6	7
2068	Platinum(IV) antitumor complexes and their nano-drug delivery. Coordination Chemistry Reviews, 2021, 429, 213640.	9.5	71
2069	Thermally Activated nâ€Doping of Organic Semiconductors Achieved by Nâ€Heterocyclic Carbene Based Dopant. Angewandte Chemie - International Edition, 2021, 60, 5816-5820.	7.2	18

#	Article	IF	Citations
2070	Revealing the Similarities of Î±,Î²â€Unsaturated Iminiums and Acylazoliums in Organocatalysis. Angewandte Chemie - International Edition, 2021, 60, 13712-13724.	7.2	53
2071	From Molecules to Polymersâ€"Harnessing Interâ€and Intramolecular Interactions to Create Mechanochromic Materials. Macromolecular Rapid Communications, 2021, 42, e2000573.	2.0	70
2072	New N â€" heterocyclic mono â€" and disilavinylidene iron â€" complexes by density functional theory. Journal of Physical Organic Chemistry, 2021, 34, e4148.	0.9	0
2073	Pd/NHC-catalyzed arylsulfonylation of boronic acids: A general and direct protocol to access diarylsulfones. Tetrahedron Letters, 2021, 63, 152708.	0.7	5
2074	A rigid anionic Janus bis(NHC) â€" new opportunities in NHC chemistry. Dalton Transactions, 2021, 50, 689-695.	1.6	5
2075	Chiral N-heterocyclic carbene-iridium complexes for asymmetric reduction of prochiral ketimines. Polyhedron, 2021, 195, 114976.	1.0	2
2076	Thermally Activated nâ€Doping of Organic Semiconductors Achieved by Nâ€Heterocyclic Carbene Based Dopant. Angewandte Chemie, 2021, 133, 5880-5884.	1.6	4
2077	Organocatalytic Three-Component 1,2-Cyanoalkylacylation of Alkenes via Radical Relay. Organic Letters, 2021, 23, 183-189.	2.4	44
2078	The synthesis of new PEPPSI-type N-heterocyclic carbene (NHC)-Pd(II) complexes bearing long alkyl chain as precursors for the synthesis of NHC-stabilized Pd(0) nanoparticles and their catalytic applications. Journal of Organometallic Chemistry, 2021, 934, 121633.	0.8	11
2079	N-heterocyclic olefins as dative carbon donor ligands for diaminoplumbylenes: Syntheses and crystal structures of adducts with 1,3,4,5-tetramethyl-2-methyleneimidazoline. Polyhedron, 2021, 194, 114959.	1.0	5
2080	Nâ€Heterocyclic Carbene Catalyzed Ester Synthesis from Organic Halides through Incorporation of Oxygen Atoms from Air. Angewandte Chemie, 2021, 133, 2168-2172.	1.6	6
2081	Kinetic Resolution of Aziridines Enabled by Nâ€Heterocyclic Carbene/Copper Cooperative Catalysis: Carbene Doseâ€Controlled Chemoâ€Switchability. Angewandte Chemie, 2021, 133, 3305-3313.	1.6	11
2082	Hydrogenâ€Bonding Assisted Catalytic Kinetic Resolution of Acyclic Î²â€Hydroxy Amides. Angewandte Chemie - International Edition, 2021, 60, 8786-8791.	7.2	9
2083	Green Solvent Selection for Suzukiâ€"Miyaura Coupling of Amides. ACS Sustainable Chemistry and Engineering, 2021, 9, 552-559.	3.2	31
2084	Approaching a â€œNakedâ€•Boryl Anion: Amide Metathesis as a Route to Calcium, Strontium, and Potassium Boryl Complexes. Angewandte Chemie, 2021, 133, 2092-2096.	1.6	14
2085	Nickelâ€katalysierte intramolekulare 1,2â€Arylâ€Wanderung von mesoionischen Carbenen (iMICs). Angewandte Chemie, 2021, 133, 3006-3010.	1.6	8
2086	An Unsymmetric Iminoâ€"Phosphanamidinate Ligand and its Y(III) Complex: Synthesis, Characterization, and Catalytic Hydroboration of Carbonyl Compounds. Journal of Organic Chemistry, 2021, 86, 2224-2234.	1.7	10
2087	Synthesis and characterization of N-heterocyclic carbeneâ€"Mâ€¯OEt₂ complexes (M = Cu, Ag,) Tj ETQq1 1 0.784314 rgB Chemical Physics, 2021, 23, 1577-1583.	1.3	3

#	Article	IF	Citations
2088	Carbenaporphyrine: eine LÃ¼cke in der Chemie Nâ€heterocyclischer Carbene schlieÃŸt sich. Angewandte Chemie, 2021, 133, 2035-2040.	1.6	3
2089	Recent Advances in Asymmetric Organomulticatalysis. Advanced Synthesis and Catalysis, 2021, 363, 352-387.	2.1	37
2090	An Iminophosphonamidoâ€Chlorosilylene as a Strong Ïƒâ€Donating NHSi Ligand: Synthesis and Coordination Chemistry. Angewandte Chemie, 2021, 133, 4101-4105.	1.6	7
2091	Carbeneâ€Catalyzed Enantioselective Aldol Reaction: Postâ€Aldol Stereochemistry Control and Formation of Quaternary Stereogenic Centers. Angewandte Chemie, 2021, 133, 161-167.	1.6	3
2092	An Iminophosphonamidoâ€Chlorosilylene as a Strong Ïƒâ€Donating NHSi Ligand: Synthesis and Coordination Chemistry. Angewandte Chemie - International Edition, 2021, 60, 4055-4059.	7.2	18
2093	Kinetic Resolution of Aziridines Enabled by Nâ€Heterocyclic Carbene/Copper Cooperative Catalysis: Carbene Doseâ€Controlled Chemoâ€Switchability. Angewandte Chemie - International Edition, 2021, 60, 3268-3276.	7.2	54
2094	Synthesis of palladium complexes with anionic N,NR- or neutral NH,NR-theophylline-derived NHC ligands. Inorganica Chimica Acta, 2021, 515, 120055.	1.2	3
2095	Mit Nâ€heterocyclischen Carbenen funktionalisierte Poly(3â€hexylthiophene) als robuste und leitfÃ¤hige Liganden zur Stabilisierung von Goldnanopartikeln. Angewandte Chemie, 2021, 133, 3958-3963.	1.6	2
2096	Poly(3â€hexylthiophene)s Functionalized with Nâ€Heterocyclic Carbenes as Robust and Conductive Ligands for the Stabilization of Gold Nanoparticles. Angewandte Chemie - International Edition, 2021, 60, 3912-3917.	7.2	15
2097	The Reactivity of Isomeric Nitrenium Lewis Acids with Phosphines, Carbenes, and Phosphide. Chemistry - A European Journal, 2021, 27, 2861-2867.	1.7	12
2098	Synthesis and Reduction of a Cyclic (Alkyl)(amino)bromoborane to Generate a Thermally Labile Cyclic (Alkyl)(amino)boryl Anion. Chemistry Letters, 2021, 50, 293-296.	0.7	5
2099	An electrochemically controlled release of NHCs using iron bis(dithiolene) N-heterocyclic carbene complexes. Inorganic Chemistry Frontiers, 2021, 8, 59-71.	3.0	4
2100	Breslow Intermediates (Amino Enols) and Their Keto Tautomers: First Gasâ€Phase Characterization by IR Ion Spectroscopy. Chemistry - A European Journal, 2021, 27, 2662-2669.	1.7	20
2101	Carbeneâ€Catalyzed Enantioselective Aldol Reaction: Postâ€Aldol Stereochemistry Control and Formation of Quaternary Stereogenic Centers. Angewandte Chemie - International Edition, 2021, 60, 159-165.	7.2	15
2102	Enantioselective synthesis of tetra-substituted tetralines and tetrahydro-indolizines by NHC-catalyzed azoliumâ€“enolate cascade. Chemical Communications, 2021, 57, 7794-7797.	2.2	9
2103	N-Heterocyclic carbeneâ€“carbodiimide (NHCâ€“CDI) betaine adducts: synthesis, characterization, properties, and applications. Chemical Science, 2021, 12, 2699-2715.	3.7	8
2104	Bicyclic (alkyl)(amino)carbene stabilized zinc(0) complex with singlet biradicaloid ground state. Chemical Communications, 2021, 57, 5282-5285.	2.2	14
2105	Organometallic Chemistry of NHCs and Analogues. , 2021, , .		0

#	Article	IF	Citations
2106	Synthesis and enantioseparation of chiral Au₁₃ nanoclusters protected by bis-N-heterocyclic carbene ligands. Chemical Science, 2021, 12, 10436-10440.	3.7	51
2107	IPr# â€“ highly hindered, broadly applicable N-heterocyclic carbenes. Chemical Science, 2021, 12, 10583-10589.	3.7	51
2108	Tin and Lead in Organic Synthesis. , 2021, , .		0
2109	Recent advances of chromone-based reactants in the catalytic asymmetric domino annulation reaction. Organic Chemistry Frontiers, 2021, 8, 3968-3989.	2.3	33
2110	N-Heterocyclic carbene-catalyzed radical ring-opening acylation of oxime esters with aldehydes. Organic Chemistry Frontiers, 2021, 8, 6074-6079.	2.3	13
2111	Synthesis and catalytic activity of palladium complexes bearing N-heterocyclic carbenes (NHCs) and 1,4,7-triaza-9-phosphatricyclo[5.3.2.1]tridecane (CAP) ligands. Dalton Transactions, 2021, 50, 9491-9499.	1.6	12
2112	Halogen-containing heteroaromatic carbenes of the 1,2,4-triazole series and their transformations. RSC Advances, 2021, 11, 30841-30848.	1.7	2
2113	Cationic PCP and PCN NHC Core Pincer-Type Mn(I) Complexes: From Synthesis to Catalysis. Organometallics, 2021, 40, 231-241.	1.1	23
2114	Tale of the Breslow intermediate, a central player in N-heterocyclic carbene organocatalysis: then and now. Chemical Science, 2021, 12, 7973-7992.	3.7	76
2115	A quest for stable bicyclic carbenes with one, two, and three carbenic centers at theoretical level. Structural Chemistry, 2021, 32, 1105-1112.	1.0	5
2116	Probing the Effects of Electron Deficient Aryl Substituents and a Ï€â€System Extended NHC Ring on the Photocatalytic CO₂ Reduction Reaction with Reâ€pyNHCâ€Aryl Complexes**. ChemPhotoChem, 2021, 5, 353-361.	1.5	4
2117	An overview of synthetic methodologies of organometallic and coordination compounds of gold. Journal of Coordination Chemistry, 2021, 74, 467-542.	0.8	2
2118	Reactivity and Controlled Redox Reactions of Saltâ€like Intermetallic Compounds in Imidazoliumâ€Based Ionic Liquids. ChemistryOpen, 2021, 10, 205-215.	0.9	6
2119	The Knoevenagel condensation catalysed by ionic liquids: a mass spectrometric insight into the reaction mechanism. New Journal of Chemistry, 2021, 45, 17787-17795.	1.4	8
2120	NHC ligand-based half-sandwich iridium complexes: synthesis, structure and catalytic activity in acceptorless dehydrogenation and transfer hydrogenation. New Journal of Chemistry, 2021, 45, 19002-19010.	1.4	6
2121	Recent advances in the synthesis and derivatization of N-heterocyclic carbene metal complexes. Dalton Transactions, 2021, 50, 12058-12068.	1.6	30
2122	Exploring the stability of the NHCâ€“metal bond using thiones as probes. Chemical Communications, 2021, 57, 10600-10603.	2.2	10
2123	BIANâ€NHC Ligands in Transitionâ€Metalâ€Catalysis: A Perfect Union of Sterically Encumbered, Electronically Tunable Nâ€Heterocyclic Carbenes?. Chemistry - A European Journal, 2021, 27, 4478-4499.	1.7	57

#	Article	IF	Citations
2124	Insights into the past and future of Janus-di-N-heterocyclic carbenes. Dalton Transactions, 2021, 50, 12748-12763.	1.6	18
2125	The cooperative role of innocent ligand in N-heterocyclic carbene manganese catalyzed carbon dioxide hydrogenation. Catalysis Science and Technology, 2021, 11, 7189-7199.	2.1	5
2126	Trends in computational molecular catalyst design. Dalton Transactions, 2021, 50, 10325-10339.	1.6	13
2127	Development of Pd-Catalyzed Denitrative Couplings. Yuki Gosei Kagaku Kyokaishi/Journal of Synthetic Organic Chemistry, 2021, 79, 11-21.	0.0	1
2128	Rapid and mild synthesis of Auâ€“NHC complexes in a simple two-phase flow reactor. Dalton Transactions, 2021, 50, 7969-7975.	1.6	2
2129	N-Heterocyclic carbene-catalyzed [3 + 3] annulation of bromoenals with 2-aminochromones to access chromeno[2,3-b]pyridinones. Organic and Biomolecular Chemistry, 2021, 19, 4882-4886.	1.5	5
2130	Indium and Thallium. , 2021, , 214-280.		0
2131	N-Heterocyclic carbene catalyzed asymmetric [3 + 3] cycloaddtion of Î²,Î²-disubstituted, Î±,Î²-unsaturated carboxylic esters with 3-aminobenzofurans. Organic Chemistry Frontiers, 2021, 8, 1569-1574.	2.3	13
2132	Soluble, crystalline, and thermally stable alkali CO₂^{â^'} and carbonite (CO₂^{2â^'}) clusters supported by cyclic(alkyl)(amino) carbenes. Chemical Science, 2021, 12, 3544-3550.	3.7	12
2133	Conjugated ynones in catalytic enantioselective reactions. Organic and Biomolecular Chemistry, 2021, 19, 2110-2145.	1.5	19
2134	Suzukiâ€“Miyaura cross-coupling of esters by selective Oâ€“C(O) cleavage mediated by air- and moisture-stable [Pd(NHC)(Î¼-Cl)Cl]₂precatalysts: catalyst evaluation and mechanism. Catalysis Science and Technology, 2021, 11, 3189-3197.	2.1	34
2135	N-Heterocyclic silylenes in coinage metal chemistry: an account of recent advances. Dalton Transactions, 2021, 50, 10674-10688.	1.6	20
2136	Homo- and copolymerization of norbornene using tridentate IzQO palladium catalysts with dimethylaminoethyl as a side arm. Polymer Chemistry, 2021, 12, 4736-4747.	1.9	4
2137	Half-sandwich manganese complexes Cp(CO)₂Mn(NHC) as redox-active organometallic fragments. Dalton Transactions, 2021, 50, 14264-14272.	1.6	3
2138	NHC-catalyzed covalent activation of heteroatoms for enantioselective reactions. Chemical Science, 2021, 12, 5037-5043.	3.7	40
2139	Evidence for â€œcocktailâ€•type catalysis in Buchwaldâ€“Hartwig reaction. A mechanistic study. Catalysis Science and Technology, 2021, 11, 7171-7188.	2.1	15
2140	Catalytic Deoxygenation of Nitroarenes Mediated by High-Valent Molybdenum(VI)â€“NHC Complexes. Organometallics, 2021, 40, 107-118.	1.1	15
2141	Câ€“C Bond Acylation of Oxime Ethers via NHC Catalysis. Organic Letters, 2021, 23, 1049-1053.	2.4	30

#	Article	IF	Citations
2142	Minimalistic peptidic scaffolds harbouring an artificial carbene-containing amino acid modulate reductase activity. Chemical Communications, 2021, 57, 9068-9071.	2.2	2
2143	N-Heterocyclic carbene (NHC) catalyzed amidation of aldehydes with amines via the tandem N-hydroxysuccinimide ester formation. New Journal of Chemistry, 2021, 45, 7486-7490.	1.4	9
2144	N-Heterocyclic carbene (NHC)-catalyzed intramolecular benzoin condensationâ€“oxidation. Organic and Biomolecular Chemistry, 2021, 19, 1488-1492.	1.5	13
2145	Coordination of N-heterocyclic carbene to Siâ€“Si and Pâ€“P multiple bonded compounds. , 2021, , 393-429.		0
2146	New poly-imidazoliumâ€“triazole particles by CuAAC cross-linking of calix[4]arene bis-azide/alkyne amphiphiles â€“ a prospective support for Pd in the Mizorokiâ€“Heck reaction. RSC Advances, 2021, 11, 584-591.	1.7	4
2147	Molecular Systems Combining Porphyrinoids and Nâ€Heterocyclic Carbenes. European Journal of Inorganic Chemistry, 2021, 2021, 776-791.	1.0	10
2148	Coordination Chemistry of Heavier Group 13 and 14 Ligands in Transition Metal Complexes. , 2021, , 688-716.		0
2149	Iminophosphorane-mediated regioselective umpolung alkylation reaction of Î±-iminoesters. Organic and Biomolecular Chemistry, 2021, 19, 4551-4564.	1.5	3
2150	Recent advances in NHCâ€“palladium catalysis for alkyne chemistry: versatile synthesis and applications. Organic Chemistry Frontiers, 2021, 8, 3502-3524.	2.3	19
2151	Generation of azolium dienolates as versatile nucleophilic synthonsvia N-heterocyclic carbene catalysis. Organic Chemistry Frontiers, 2021, 8, 6138-6166.	2.3	52
2152	Pd-N-heterocyclic carbene complex catalysed Câ€“H bond activation of 2-isobutylthiazole at the C5 position with aryl bromides. New Journal of Chemistry, 2021, 45, 6281-6292.	1.4	10
2153	Phosphorescent [3 + 2 + 1] coordinated Ir(<scp>iii</scp>) cyano complexes for achieving efficient phosphors and their application in OLED devices. Chemical Science, 2021, 12, 10165-10178.	3.7	32
2154	Synthesis and Reactivity of Side-Arm Phosphine Functionalized Amidinatosilylene- and Amidinatogermylene-Supported Nickel(0) Complexes. Organometallics, 2021, 40, 310-313.	1.1	9
2155	Bright luminescent lithium and magnesium carbene complexes. Chemical Science, 2021, 12, 7401-7410.	3.7	26
2156	Imidazolium salts and [Pt(cod)₂]: from NHC hydrido complexes to the unprecedented olefinic tetrahedral cluster [Pt₄(Î¼-H)(cod)₄]BF₄. Chemical Communications, 2021, 57, 10039-10042.	2.2	3
2157	Computational study of 1,2,3-triazol-5-ylidenes with p-block element substituents. New Journal of Chemistry, 2021, 45, 4802-4809.	1.4	2
2158	Phosphorescent Cyclometalated Platinum(II) Imidazolinylidene Complexes. European Journal of Inorganic Chemistry, 2021, 2021, 804-813.	1.0	15
2159	Bonding and Stability of C 6 F 4 Bridged by Bisâ€Carbenes: EDAâ€NOCV Analysis of (L) 2 C 6 F 4 [L = SNHC Dip , cAAC Me]. European Journal of Inorganic Chemistry, 2021, 2021, 960-968.	1.0	1

#	Article	IF	Citations
2160	Nature of C N bond in N-heterocyclic carbene. Chemical Physics Letters, 2021, 765, 138312.	1.2	3
2161	Synthesis, characterization, and coordination chemistry of a phenanthridine-containing N-heterocyclic carbene ligand. Canadian Journal of Chemistry, 2021, 99, 245-252.	0.6	2
2162	Dynamic Kinetic Resolution of Î±-Trifluoromethyl Hemiaminals without Î±-Hydrogen via NHC-Catalyzed O-Acylation. Organic Letters, 2021, 23, 1361-1366.	2.4	17
2163	Asymmetric Carbeneâ€Catalyzed Oxidation of Functionalized Aldimines as 1,4â€Dipoles. Angewandte Chemie, 2021, 133, 7992-7998.	1.6	25
2164	Carbeneâ€Catalyzed Activation of Remote Nitrogen Atoms of (Benz)imidazoleâ€Derived Aldimines for Enantioselective Synthesis of Heterocycles. Angewandte Chemie, 2021, 133, 7985-7991.	1.6	11
2165	Synthetic Approaches to New Redox-Active Carbene Ligands. Russian Journal of Coordination Chemistry/Koordinatsionnaya Khimiya, 2021, 47, 117-126.	0.3	2
2166	Surfactant Removal for Colloidal Nanocrystal Catalysts Mediated by N-Heterocyclic Carbenes. Journal of the American Chemical Society, 2021, 143, 2644-2648.	6.6	25
2167	Asymmetric Carbeneâ€Catalyzed Oxidation of Functionalized Aldimines as 1,4â€Dipoles. Angewandte Chemie - International Edition, 2021, 60, 7913-7919.	7.2	39
2168	Theoretical Investigation on the Adsorption and Interface Bonding between N-Heterocyclic Carbenes and Metal Surfaces. Journal of Physical Chemistry C, 2021, 125, 4489-4497.	1.5	11
2169	Carbeneâ€Catalyzed Activation of Remote Nitrogen Atoms of (Benz)imidazoleâ€Derived Aldimines for Enantioselective Synthesis of Heterocycles. Angewandte Chemie - International Edition, 2021, 60, 7906-7912.	7.2	24
2170	Copper(I)-Catalyzed Enyne Oxidation/Cyclopropanation: Divergent and Enantioselective Synthesis of Cyclopropanes. Organic Letters, 2021, 23, 1285-1290.	2.4	20
2171	Carbene-Catalyzed Alkylation of Carboxylic Esters via Direct Photoexcitation of Acyl Azolium Intermediates. ACS Catalysis, 2021, 11, 2925-2934.	5.5	73
2172	Secondary Metabolites of Plant Origin Containing Carbazole as Lead Molecule: A Review. Current Traditional Medicine, 2021, 7, 57-71.	0.1	0
2173	Use of Imidazo[1,5â€•a]pyridinâ€3â€ylidene as a Platform for Metalâ€Imidazole Cooperative Catalysis: Silverâ€Catalyzed Cyclization of Alkyneâ€Tethered Carboxylic Acids. Advanced Synthesis and Catalysis, 2021, 363, 1631-1637.	2.1	5
2174	Hydrogenâ€Bonding Assisted Catalytic Kinetic Resolution of Acyclic Î²â€Hydroxy Amides. Angewandte Chemie, 2021, 133, 8868-8873.	1.6	0
2175	Computationally unraveling the mechanism and selectivity of five and six membered Nâ€heterocyclic carbeneâ€catalyzed alkyne hydrochalcogenation. International Journal of Quantum Chemistry, 2021, 121, e26652.	1.0	1
2176	Oxidative addition of a 8-bromotheobromine derivative to d 10 metals. Zeitschrift Fur Naturforschung - Section B Journal of Chemical Sciences, 2021, 76, 227-235.	0.3	2
2177	The flourishing chemistry of carbene stabilized compounds of group 13 and 14 elements. Polyhedron, 2021, 197, 115049.	1.0	9

#	Article	IF	Citations
2178	NHC-Mediated Stetter-Aldol and Imino-Stetter-Aldol Domino Cyclization to Naphthalen-1(2H)-ones and Isoquinolines. Organic Letters, 2021, 23, 2178-2182.	2.4	11
2179	Multiple Functional Organocatalyst-Promoted Inert Câ€“C Activation: Mechanism and Origin of Selectivities. ACS Catalysis, 2021, 11, 3443-3454.	5.5	38
2180	Directed Design of a Au^I Complex with a Reduced Mesoionic Carbene Radical Ligand: Insights from 1,2,3â€Triazolylidene Selenium Adducts and Extensive Electrochemical Investigations. Chemistry - A European Journal, 2021, 27, 6557-6568.	1.7	18
2181	Heavier Tetrylenes as Single Site Catalysts. Chemistry - an Asian Journal, 2021, 16, 705-719.	1.7	41
2182	Mechanistic Studies on N-Heterocyclic Carbene-Catalyzed Umpolung of Î²,Î³-Unsaturated Î±-Diketones. Journal of Organic Chemistry, 2021, 86, 4432-4439.	1.7	3
2183	Memristors With Controllable Data Volatility by Loading Metal Ion-Added Ionic Liquids. Frontiers in Nanotechnology, 2021, 3, .	2.4	5
2184	Ir^{III}â^'Pyridoannelated Nâ€Heterocyclic Carbene Complexes: Potent Theranostic Agents via Mitochondria Targeting. European Journal of Inorganic Chemistry, 2021, 2021, 1551-1564.	1.0	3
2185	Cooperative N-heterocyclic Carbene and Iridium Catalysis Enables Stereoselective and Regiodivergent [3 + 2] and [3 + 3] Annulation Reactions. ACS Catalysis, 2021, 11, 3810-3821.	5.5	63
2186	Copper-hydride nanoclusters with enhanced stability by N-heterocyclic carbenes. Nano Research, 2021, 14, 3303-3308.	5.8	33
2187	Câ€“C versus Câ€“H Activation: Understanding How the Carbene Ï€-Accepting Ability Controls the Intramolecular Reactivities of Mono(carbene)-Stabilized Borylenes. Organometallics, 2021, 40, 766-775.	1.1	8
2188	Aerobic Cu and amine free Sonogashira and Stille couplings of aryl bromides/chlorides with a magnetically recoverable Fe3O4@SiO2 immobilized Pd(II)-thioether containing NHC. Tetrahedron Letters, 2021, 67, 152844.	0.7	9
2189	Copper(I)â€“NHCs complexes: Synthesis, characterization and their inhibition against the biofilm formation of Streptococcus mutans. Polyhedron, 2021, 197, 115033.	1.0	5
2190	Palladium Complexes with Phenoxy- and Amidate-Functionalized N-Heterocyclic Carbene Ligands Based on 3-Phenylimidazo[1,5-a]pyridine: Synthesis and Catalytic Application in Mizorokiâ€“Heck Coupling Reactions with Ortho-Substituted Aryl Chlorides. Organometallics, 2021, 40, 702-713.	1.1	5
2191	Theoretical Insights into [NHC]Au(I) Catalyzed Hydroalkoxylation of Allenes: A Unified Reaction Valley Approach Study. Journal of Organic Chemistry, 2021, 86, 5714-5726.	1.7	11
2192	Electronic Structures of Homodinuclear Platinum(II), Palladium(II) and Gold(I) Complexes Featuring Janus-type Benzoxazolin-2-ylidene Linkers. VNU Journal of Science Natural Sciences and Technology, 2021, 37, .	0.1	0
2193	Assembly and Manipulation of a Prototypical N-Heterocyclic Carbene with a Metalloporphyrin Pedestal on a Solid Surface. Journal of the American Chemical Society, 2021, 143, 4433-4439.	6.6	18
2194	Cationic rhenium(I) complexes bearing a Ï€-accepting pyridoannulated N-heterocyclic carbene ligand: Synthesis, photophysical, electrochemical and theoretical investigation. Polyhedron, 2021, 197, 115025.	1.0	3
2195	One-step synthesis of heteroleptic rare-earth amide complexes featuring fluorenyl-tethered N-heterocyclic carbene ligands. Polyhedron, 2021, 197, 115021.	1.0	4

#	Article	IF	Citations
2196	Relativistic effects on dative carbon-coinage metal bond. Evaluation of NHC-MCl (MÂ=ÂCu, Ag, Au) from relativistic DFT. Polyhedron, 2021, 197, 115020.	1.0	5
2197	Nâ€Heterocyclic Carbeneâ€Catalyzed Atroposelective Annulation for Access to Thiazine Derivatives with Câ^'N Axial Chirality. Angewandte Chemie - International Edition, 2021, 60, 9362-9367.	7.2	81
2198	A Theoretical Study of 2-hydroxyethyl Substituted NHC Precursors Containing orthoâ€“, metaâ€“ and paraâ€“ methylbenzyl: Global Reactivity Descriptors and Prediction of Biological Activities. Journal of the Institute of Science and Technology, 0, , 258-267.	0.3	0
2199	Enhancing stability by trapping palladium inside N-heterocyclic carbene-functionalized hypercrosslinked polymers for heterogeneous C-C bond formations. Nature Communications, 2021, 12, 1875.	5.8	41
2200	3-Amino-1,2,4-triazolium salts as NHC-proligands: synthesis and postmodification of a new type of amino-functionalized Pd/NHC complexes. Mendeleev Communications, 2021, 31, 176-178.	0.6	7
2201	Immobilization of copper(II) into polyacrylonitrile fiber toward efficient and recyclable catalyst in Chan-Lam coupling reactions. Reactive and Functional Polymers, 2021, 160, 104831.	2.0	13
2202	Nâ€Heterocyclic Carbeneâ€Catalyzed Atroposelective Annulation for Access to Thiazine Derivatives with Câ^'N Axial Chirality. Angewandte Chemie, 2021, 133, 9448-9453.	1.6	21
2203	Methylene-Linked Bis-NHC Half-Sandwich Ruthenium Complexes: Binding of Small Molecules and Catalysis toward Ketone Transfer Hydrogenation. Organometallics, 2021, 40, 792-803.	1.1	20
2204	Continuous Flow Synthesis of Metalâ€“NHC Complexes**. Chemistry - A European Journal, 2021, 27, 5653-5657.	1.7	34
2205	Gold(I) N-heterocyclic carbene precursors for focused electron beam-induced deposition. Beilstein Journal of Nanotechnology, 2021, 12, 257-269.	1.5	5
2206	Unveiling Luminescent Ir^I and Rh^I Nâ€Heterocyclic Carbene Complexes: Structure, Photophysical Specifics, and Cellular Localization in the Endoplasmic Reticulum. Chemistry - A European Journal, 2021, 27, 6783-6794.	1.7	10
2207	Sandwich complexes of ruthenium, and osmium with group 13 analogues of N-heterocyclic carbene ligands: Efficient future complexes to reduce carbon monoxide poisoning. Computational and Theoretical Chemistry, 2021, 1198, 113179.	1.1	0
2208	Substituent effects on the stability of cyclic - unsaturated remote N-heterocyclic Hammick carbenes using density functional theory. Journal of Molecular Structure, 2021, 1230, 129821.	1.8	10
2209	Bifunctional reagents in organic synthesis. Nature Reviews Chemistry, 2021, 5, 301-321.	13.8	119
2210	Stability and Electronic Structure of Donorâ€“Acceptor Stabilized Group 13/15 Oligomers. Journal of Physical Chemistry A, 2021, 125, 3415-3424.	1.1	5
2211	N-Heterocyclic carbenes as â€œsmartâ€•gold nanoparticle stabilizers: State-of-the art and perspectives for biomedical applications. Journal of Organometallic Chemistry, 2021, 938, 121743.	0.8	21
2212	The first use of [PdBr2(imidazolidin-2-ylidene)(pyridine)] catalysts in the direct C-H bond arylation of C2-substituted furan and thiophene. Research on Chemical Intermediates, 2021, 47, 2821-2843.	1.3	7
2213	One-pot multicomponent synthesis of N-sulfonyl amidines using magnetic separable nanoparticles-decorated N-heterocyclic carbene complex with copper. Research on Chemical Intermediates, 2021, 47, 2801-2820.	1.3	7

#	Article	IF	Citations
2214	Carbeneâ€Catalyzed N , N â€Nucleophilic Activation of Thioureas for Access to Pyrimidinthione Derivatives. Asian Journal of Organic Chemistry, 2021, 10, 1090-1093.	1.3	2
2215	Ligand Effects on the Structures of [Au₂₃L₆(Câ‰¡CPh)₉]²⁺ (L = N-Heterocyclic Carbene vs) Tj ETQq1 1 0.784314 rgB 9930-9936.	1.5	28
2216	Hetero- and Homobimetallic Complexes Bridged by a Bis(NHC) Ligand: Synthesis via Selective Sequential Metalation and Catalytic Applications in Tandem Organic Transformations. Organometallics, 2021, 40, 915-926.	1.1	18
2217	Electrochemical Generation of Nâ€Heterocyclic Carbenes for Use in Synthesis and Catalysis. Advanced Synthesis and Catalysis, 2021, 363, 3189-3200.	2.1	15
2218	An Umpolung Oxa-[2,3] Sigmatropic Rearrangement Employing Arynes for the Synthesis of Functionalized Enol Ethers. Organic Letters, 2021, 23, 3447-3452.	2.4	13
2219	Reconstituting C-Centered Hexagold(I) Clusters with N-Heterocyclic Carbene Ligands. Bulletin of the Chemical Society of Japan, 2021, 94, 1324-1330.	2.0	12
2220	Accurate singletâ€“triplet gaps in biradicals via the spin averaged anti-Hermitian contracted SchrÃ¶dinger equation. Journal of Chemical Physics, 2021, 154, 134103.	1.2	15
2221	Stabilization of group 14 elements E = C, Si, Ge by heteroâ€bileptic ligands cAAC , MCO n with pushâ€pull mechanism. Journal of Computational Chemistry, 2021, 42, 1159-1177.	1.5	7
2222	Supramolecular Coordination Cages Based on Nâ€Heterocyclic Carbeneâ€Gold(I) Ligands and Their Precursors: Selfâ€Assembly, Structural Transformation and Guestâ€Binding Properties. Chemistry - A European Journal, 2021, 27, 7853-7861.	1.7	6
2223	Highly Enantioselective Synthesis of Pyrroloindolones and Pyrroloquinolinones via an N-Heterocyclic Carbene-Catalyzed Cascade Reaction. Organic Letters, 2021, 23, 3777-3781.	2.4	8
2224	Strategies for the construction of supramolecular assemblies from poly-NHC ligand precursors. Science China Chemistry, 2021, 64, 701-718.	4.2	38
2225	Stereochemical Control of Tricoordinate Copper(I) Complexes Based on N-(9-Alkyl-9-fluorenyl)-Substituted Heterocyclic Carbenes. Synthesis, 2021, 53, 1785-1794.	1.2	1
2226	Access to Gold(I) Protic N-Heterocyclic Carbene Complexes from Trinuclear Gold(I) Imidazolate Clusters. Organometallics, 2021, 40, 1515-1522.	1.1	5
2227	Synthesis of NHC Complexes with an N â€(2â€Oxopropyl) Group. Zeitschrift Fur Anorganische Und Allgemeine Chemie, 2021, 647, 1145-1150.	0.6	0
2228	Water-Soluble Pyrene-Adorned Imidazolium Salts with Multicolor Solid-State Fluorescence: Synthesis, Structure, Photophysical Properties, and Application on the Detection of Latent Fingerprints. ACS Omega, 2021, 6, 10318-10332.	1.6	7
2229	Imidazolinium N-Heterocyclic Carbene Ligands for Enhanced Stability on Gold Surfaces. Langmuir, 2021, 37, 5864-5871.	1.6	18
2231	Mesoionic-Carbene-Stabilized Thiophosphoryl Cation (PS⁺). Organometallics, 2021, 40, 1190-1194.	1.1	6
2232	Tuning the Magic Sizes and Optical Properties of Atomically Precise Bidentate Nâ€Heterocyclic Carbeneâ€Protected Gold Nanoclusters via Subtle Change of Nâ€Substituents. Advanced Optical Materials, 2021, 9, 2001936.	3.6	27

#	Article	IF	Citations
2233	Evaluation of metal-based antimicrobial compounds for the treatment of bacterial pathogens. Journal of Medical Microbiology, 2021, 70, .	0.7	59
2234	Larger scale Stahl oxidation with instant Cu removal in convenient synthesis of chiral bidentate Nâ€“heterocyclic carbene precursor. Polyhedron, 2021, 199, 115090.	1.0	1
2235	Tuning the Gold(I)â€Carbon Ïƒ Bond in Goldâ€Alkynyl Complexes through Structural Modifications of the NHC Ancillary Ligand: Effect on Spectroscopic Observables and Reactivity. European Journal of Inorganic Chemistry, 2021, 2021, 2401-2416.	1.0	5
2236	Enantioselective Synthesis of Axially Chiral Benzothiophene/Benzofuranâ€Fused Biaryls by Nâ€Heterocyclic Carbene Catalyzed Arene Formation. Angewandte Chemie, 2021, 133, 14037-14041.	1.6	13
2237	Effect of delocalization of nonbonding electron density on the stability of the Mâ€“C_{carbene} bond in main group metal-imidazol-2-ylidene complexes: a computational and structural database study. ChemistrySelect, 2022, 7, 727-739.	0.7	0
2238	Reactivity Studies and Electronic Properties of an N-Arylated Acyclic Amino Carbene. Organometallics, 2021, 40, 1699-1705.	1.1	1
2239	Status report on copper (I) complexes in photoredox catalysis; photophysical and electrochemical properties and future prospects. Polyhedron, 2021, 199, 115105.	1.0	40
2240	Synthesis of functionalized iron N-heterocyclic carbene complexes and their potential application as flame behavior modifier in cross linked epoxy resins. Inorganica Chimica Acta, 2021, 519, 120273.	1.2	5
2241	Nature of halogen bond adducts of carbones with XCF3 (XÂ=ÂCl, Br, I) species. Polyhedron, 2021, 200, 115107.	1.0	3
2242	Silver(I)â€<scp>Nâ€heterocyclic</scp> carbene complexes challenge cancer; evaluation of their anticancer properties and in silico studies. Drug Development Research, 2021, 82, 907-926.	1.4	4
2243	Triplet Carbene with Highly Enhanced Thermal Stability in the Nanospace of a Metalâ€“Organic Framework. Journal of the American Chemical Society, 2021, 143, 8129-8136.	6.6	8
2244	Magnetic chitosan-functionalized cobalt-NHC: Synthesis, characterization and catalytic activity toward Suzuki and Sonogashira cross-coupling reactions of aryl chlorides. Molecular Catalysis, 2021, 508, 111573.	1.0	9
2245	Structure and Bonding of 1,2,4-Triazole Thiones Derived from Nitron. Journal of Molecular Structure, 2021, 1231, 129682.	1.8	2
2246	Synthesis, Characterization, and Antimicrobial Activity of Rh^{III} and Ir^{III} N-Heterocyclic Carbene Piano-Stool Complexes. Organometallics, 2021, 40, 1670-1681.	1.1	14
2247	Enantioselective Synthesis of Axially Chiral Benzothiophene/Benzofuranâ€Fused Biaryls by Nâ€Heterocyclic Carbene Catalyzed Arene Formation. Angewandte Chemie - International Edition, 2021, 60, 13918-13922.	7.2	60
2248	The Beauty of Gold: Knowledge of Mechanisms Leads to Different Applications of Organogold Compounds in Medicine and Catalysis. Chemistry Letters, 2021, 50, 1516-1522.	0.7	9
2249	Design of Iridium N-Heterocyclic Carbene Amino Acid Catalysts for Asymmetric Transfer Hydrogenation of Aryl Ketones. Catalysts, 2021, 11, 671.	1.6	3
2250	Stabilization of the Elusive 9â€Carbeneâ€9â€Borafluorene Monoanion. Angewandte Chemie, 2021, 133, 13175-13182.	1.6	11

#	Article	IF	Citations
2251	Organocatalytic asymmetric synthesis of pyrrolo[3,2-c]quinolines via a formal [3+2] cycloaddition-lactamization cascade reaction using a bifunctional squaramide catalyst. Tetrahedron, 2021, 87, 132115.	1.0	8
2252	Carbene-catalyzed activation of cyclopropylcarbaldehydes for mannich reaction and Î´-lactam formation: remote enantioselecitvity control and dynamic kinetic asymmetric transformation. Science China Chemistry, 2021, 64, 985-990.	4.2	19
2253	A Bifunctional N-Heterocyclic Carbene as a Noncovalent Organocatalyst for Enantioselective Aza-Michael Addition Reactions. ACS Catalysis, 2021, 11, 6316-6324.	5.5	23
2254	N-Heterocyclic carbenes as tunable ligands for catalytic metal surfaces. Nature Catalysis, 2021, 4, 352-363.	16.1	134
2255	N-heterocyclic carbene complexes in ring opening polymerization. European Polymer Journal, 2021, 150, 110412.	2.6	13
2256	Pyridine and pyrimidine functionalized half-sandwich Ru(II)-N heterocyclic carbene complexes: Synthesis, structures, spectra, electrochemistry and biological studies. Journal of Molecular Structure, 2021, 1231, 129822.	1.8	4
2257	Charge frustration in ligand design and functional group transfer. Nature Reviews Chemistry, 2021, 5, 422-439.	13.8	25
2258	Carbene-Catalyzed Atroposelective Annulation and Desymmetrization of Urazoles. Organic Letters, 2021, 23, 3991-3996.	2.4	50
2259	A critical review of palladium organometallic anticancer agents. Cell Reports Physical Science, 2021, 2, 100446.	2.8	55
2260	A density functional theory investigation on bis(diethylamino)cyclopropenylidene catalyzed synthesis of 1,4â€bifunctional compounds. Journal of Physical Organic Chemistry, 2021, 34, e4219.	0.9	2
2261	Ru(II)-NHC catalysed N-Alkylation of amines with alcohols under solvent-free conditions. Inorganica Chimica Acta, 2021, 520, 120294.	1.2	11
2262	Highly Stable 1,2-Dicarbonyl Radical Cations Derived from N-Heterocyclic Carbenes. Journal of the American Chemical Society, 2021, 143, 8527-8532.	6.6	29
2263	The ligand effect on the interface structures and electrocatalytic applications of atomically precise metal nanoclusters. Nanotechnology, 2021, 32, 352001.	1.3	10
2264	New Low-Melting Triply Charged Homoleptic Cr(III)-Based Ionic Liquids in Comparison to Their Singly Charged Heteroleptic Analogues. Materials, 2021, 14, 2676.	1.3	2
2265	Diaminocarbene Complexes of Palladium(II) Containing 2-Aminooxazole and 2-Aminothiazole Heterocyclic Ligands as Potential Antitumor Agents. Pharmaceutical Chemistry Journal, 2021, 55, 130-132.	0.3	4
2266	Stabilization of the Elusive 9â€Carbeneâ€9â€Borafluorene Monoanion. Angewandte Chemie - International Edition, 2021, 60, 13065-13072.	7.2	26
2267	Magnetic Fe3O4 nanoparticles bearing CuI-NHC complexes by an â€œauto-clickâ€•strategy. Inorganica Chimica Acta, 2021, 520, 120312.	1.2	3
2268	Nâ€Heterocyclic Carbeneâ€Stabilized Ultrasmall Gold Nanoclusters in a Metalâ€Organic Framework for Photocatalytic CO₂Reduction. Angewandte Chemie - International Edition, 2021, 60, 17388-17393.	7.2	83

#	Article	IF	Citations
2269	Silverâ€“Nâ€heterocyclic carbene complexesâ€catalyzed multicomponent reactions: Synthesis, spectroscopic characterization, density functional theory calculations, and antibacterial study. Archiv Der Pharmazie, 2021, 354, e2100111.	2.1	13
2270	Controlled growth of ordered monolayers of N-heterocyclic carbenes on silicon. Nature Chemistry, 2021, 13, 828-835.	6.6	34
2271	Construction of Quaternary Carbon Center via NHC Catalysis Initiated by an Intermolecular Heck-Type Alkyl Radical Addition. Organic Letters, 2021, 23, 4662-4666.	2.4	27
2272	Formation and stabilization of nanosized Pd particles in catalytic systems: Ionic nitrogen compounds as catalytic promoters and stabilizers of nanoparticles. Coordination Chemistry Reviews, 2021, 437, 213860.	9.5	36
2273	Enantioselective Synthesis of 5,6-Dihydroindolizines by N-Heterocyclic Carbene (NHC)-Catalyzed Core-Structure-Inspired Strategy of Azoliumâ€“Enolate Cascade. Organic Letters, 2021, 23, 5223-5228.	2.4	15
2274	Selectivity in Competitive C_{sp²}â€“C_{sp³} versus C_{sp³}â€“C_{sp³} Reductive Eliminations at Pt(IV) Complexes: Experimental and Computational Approaches. Organometallics, 2021, 40, 2051-2063.	1.1	9
2275	Highly efficient NHC-iridium-catalyzed Î²-methylation of alcohols with methanol at low catalyst loadings. Science China Chemistry, 2021, 64, 1361-1366.	4.2	23
2276	N-heterocyclic carbene Pd(II) complex supported on Fe3O4@SiO2: Highly active, reusable and magnetically separable catalyst for Suzuki-Miyaura cross-coupling reactions in aqueous media. Journal of Organometallic Chemistry, 2021, 943, 121823.	0.8	23
2277	Towards Dual-Metal Catalyzed Hydroalkoxylation of Alkynes. Catalysts, 2021, 11, 704.	1.6	9
2278	Das 1,3â€Bis(tricyanoboran)imidazolinâ€2â€ylidenatâ€Anion â€“ Ein ditopischer dianionischer Nâ€heterocyclischer Carbenâ€Ligand. Angewandte Chemie, 2021, 133, 18118-18125.	1.6	6
2279	Luminescent coinage metal complexes of carbenes. Polyhedron, 2021, 201, 115151.	1.0	24
2280	Highly active electrocatalytic CO2 reduction with manganese N-heterocyclic carbene pincer by para electronic tuning. Chinese Chemical Letters, 2022, 33, 262-265.	4.8	15
2281	Bis(phenolate)-functionalized N-heterocyclic carbene complexes of oxo- and imido-vanadium(V). Inorganica Chimica Acta, 2021, 521, 120301.	1.2	7
2282	Intramolecularly Doubleâ€Donorâ€Stabilized Stannylene and Its Coordination towards Ag(I) and Au(I) Centers. Chemistry - an Asian Journal, 2021, 16, 2118-2125.	1.7	4
2283	A Dual NMR Probe Approach to Understanding the Electronic Properties of N â€Heterocyclic Carbenes. Chemistry Methods, 2021, 1, 374-381.	1.8	4
2284	Nâ€Heterocyclic Carbeneâ€Stabilized Ultrasmall Gold Nanoclusters in a Metalâ€Organic Framework for Photocatalytic CO 2 Reduction. Angewandte Chemie, 2021, 133, 17528-17533.	1.6	4
2285	Palladium(II) Complexes of a Neutral CCC-Tris(N-heterocyclic carbene) Pincer Ligand: Synthesis and Catalytic Applications. Organometallics, 2021, 40, 2166-2177.	1.1	9
2286	Cooligomerization of Î³-butyrolactone with (meth)acrylates catalyzed by N-heterocyclic carbene: Low possibility of hybrid copolymerization. Polymer, 2021, 228, 123953.	1.8	2

#	Article	IF	Citations
2287	Mesoionic carbene-Breslow intermediates as super electron donors: Application to the metal-free arylacylation of alkenes. Chem Catalysis, 2021, 1, 196-206.	2.9	61
2288	Design and synthesis of novel pyrazoline derivatives for their spectroscopic, single crystal X-ray and biological studies. Journal of Molecular Structure, 2021, 1234, 130131.	1.8	17
2289	1,3â€Bis(tricyanoborane)imidazolineâ€2â€ylidenate Anionâ€"A Ditopic Dianionic Nâ€Heterocyclic Carbene Ligand. Angewandte Chemie - International Edition, 2021, 60, 17974-17980.	7.2	18
2290	Thermal Dehydrogenation and Hydrolysis of BH₃NH₃ Catalyzed by Cyclic (Alkyl)(amino)carbene Iridium Complexes under Mild Conditions. Organometallics, 2021, 40, 2643-2650.	1.1	8
2291	Complexes LNi(Cp)X with alkylamino-substituted N-heterocyclic carbene ligands (L) and their catalytic activity in the Suzukiâ€"Miyaura reaction. Russian Chemical Bulletin, 2021, 70, 1281-1289.	0.4	10
2292	Indolizy Carbene Ligand. Evaluation of Electronic Properties and Applications in Asymmetric Gold(I) Catalysis. Angewandte Chemie, 2021, 133, 20032-20041.	1.6	0
2293	Annulation of Enals with Carbamoylpropiolates via NHC-Catalyzed Enolate Pathway: Access to Functionalized Maleimides/Iso-maleimides and Synthesis of Aspergillus FH-X-213. Journal of Organic Chemistry, 2021, 86, 9466-9477.	1.7	7
2294	Recent Advances in Nâ€Heterocyclic Carbene Catalyzed Oxidative Cyclization for the Formation of Heterocycles. Asian Journal of Organic Chemistry, 2021, 10, 1861-1883.	1.3	19
2295	Tuning the Ï€â€Accepting Properties of Mesoionic Carbenes: A Combined Computational and Experimental Study. Chemistry - A European Journal, 2021, 27, 11983-11988.	1.7	10
2296	N-Phosphine Oxide-Substituted Imidazolylidenes (PoxIms) as Multifunctional Multipurpose N-Heterocyclic Carbenes. Yuki Gosei Kagaku Kyokaishi/Journal of Synthetic Organic Chemistry, 2021, 79, 632-641.	0.0	0
2297	Recent progress in electro- and photo-catalytic CO2 reduction using N-heterocyclic carbene transition metal complexes. Polyhedron, 2021, 203, 115147.	1.0	6
2298	Functional Materials Based on Cyclometalated Platinum(II) Î²-Diketonate Complexes: A Review of Structureâ€"Property Relationships and Applications. Materials, 2021, 14, 4236.	1.3	17
2299	Dual Catalysis Relay: Coupling of Aldehydes and Alkenes Enabled by Visible-Light and NHC-Catalyzed Cross-Double Câ€"H Functionalizations. ACS Catalysis, 2021, 11, 9715-9721.	5.5	50
2300	Cyclic (Alkyl)(amino)carbene Ligands Enable Cuâ€Catalyzed Markovnikov Protoboration and Protosilylation of Terminal Alkynes: A Versatile Portal to Functionalized Alkenes**. Angewandte Chemie - International Edition, 2021, 60, 19871-19878.	7.2	35
2301	Direct and selective access to amino-poly(phenylene vinylenes)s with switchable properties by dimerizing polymerization of aminoaryl carbenes. Nature Communications, 2021, 12, 4093.	5.8	0
2302	Asymmetric Synthesis of Dihydropyranones with Three Contiguous Stereocenters by an NHCâ€Catalyzed Kinetic Resolution. European Journal of Organic Chemistry, 2021, 2021, 3657-3661.	1.2	7
2303	Triazolylâ€Functionalized N â€Heterocyclic Carbene Halfâ€Sandwich Compounds: Coordination Mode, Reactivity and inâ€...vitro Anticancer Activity. ChemMedChem, 2021, 16, 3017-3026.	1.6	7
2304	Synthesis and coordination chemistry of silver(I), gold(I) and gold(III) complexes with picoline-functionalized benzimidazolin-2-ylidene ligands. Zeitschrift Fur Naturforschung - Section B Journal of Chemical Sciences, 2021, 76, 463-473.	0.3	0

#	Article	IF	Citations
2305	Substituent effects of fused Hammick silylenes via density functional theory survey. Journal of Physical Organic Chemistry, 0, , e4264.	0.9	2
2306	Indolizy Carbene Ligand. Evaluation of Electronic Properties and Applications in Asymmetric Gold(I) Catalysis. Angewandte Chemie - International Edition, 2021, 60, 19879-19888.	7.2	11
2307	Cyclic (Alkyl)(amino)carbene Ligands Enable Cuâ€Catalyzed Markovnikov Protoboration and Protosilylation of Terminal Alkynes: A Versatile Portal to Functionalized Alkenes**. Angewandte Chemie, 2021, 133, 20024-20031.	1.6	1
2308	Recent Advances in Theoretical Studies on Transition-Metal-Catalyzed Carbene Transformations. Accounts of Chemical Research, 2021, 54, 2905-2915.	7.6	60
2309	Introducing Catalysis to Undergraduate Chemistry Students: Testing a Ruâ€“NHC Complex in the Selective Dehydrogenative Coupling of Hydrosilanes and Alcohols. Journal of Chemical Education, 2021, 98, 2638-2642.	1.1	3
2310	Taming the Antiferromagnetic Beast: Computational Design of Ultrashort Mnâ‹¯Mn Bonds Stabilized by Nâ€Heterocyclic Carbenes. Chemistry - A European Journal, 2021, 27, 12126-12136.	1.7	6
2311	Î²,Î³-trans-selective Î³-butyrolactone formation via homoenolate cross-annulation of enals and aldehydes catalyzed by sterically hindered N-heterocyclic carbene. Tetrahedron, 2021, 91, 132191.	1.0	2
2312	Radical N-heterocyclic carbene catalysis for Î²-ketocarbonyl synthesis. Tetrahedron, 2021, 91, 132212.	1.0	28
2313	Cross-Coupling Reactions of Nitroarenes. Accounts of Chemical Research, 2021, 54, 2928-2935.	7.6	50
2314	Lightâ€Driven Carbene Catalysis for the Synthesis of Aliphatic and Î±â€Amino Ketones. Angewandte Chemie, 2021, 133, 18069-18075.	1.6	6
2315	Lightâ€Driven Carbene Catalysis for the Synthesis of Aliphatic and Î±â€Amino Ketones. Angewandte Chemie - International Edition, 2021, 60, 17925-17931.	7.2	68
2316	A Cyclometalated NHC Iridium Complex Bearing a Cationic (Î·5â€Cyclopentadienyl)(Î·6â€phenyl)iron Backbone. Chemistry - A European Journal, 2021, 27, 15208-15216.	1.7	4
2317	Mechanistic Aspects of the Palladiumâ€Catalyzed Suzukiâ€Miyaura Crossâ€Coupling Reaction. Chemistry - A European Journal, 2021, 27, 13481-13493.	1.7	97
2318	Substituted, Bicyclic 3â€Benzoyl Flavanones Synthesis by Highly Efficient Nâ€Heterocyclic Carbene (NHC) Catalysis. ChemistrySelect, 2021, 6, 7794-7798.	0.7	3
2319	Continuous Flow Synthesis of [Au(NHC)(Aryl)] (NHC=Nâ€Heterocyclic Carbene) Complexes. Chemistry - A European Journal, 2021, 27, 13342-13345.	1.7	11
2320	Probing the Ligand Exchange of N-Heterocyclic Carbene-Capped Ag2S Nanocrystals with Amines and Carboxylic Acids. Inorganic Chemistry, 2021, 60, 13699-13706.	1.9	2
2321	Bimetallic Platinum Group Complexes of a Macrocyclic Pyrazolate/NHC Hybrid Ligand. Organometallics, 2021, 40, 3056-3065.	1.1	3
2322	Carbeneâ€Catalyzed Asymmetric Construction of Atropisomers. Angewandte Chemie - International Edition, 2021, 60, 26026-26037.	7.2	119

#	Article	IF	Citations
2323	Cyclic (Alkyl)(amino)carbene Lanthanide Amides: Synthesis, Structure, and Catalytic Selective Hydrosilylation of Alkenes. Inorganic Chemistry, 2021, 60, 12696-12702.	1.9	11
2324	N-heterocyclic carbene metal complexes as therapeutic agents: a patent review. Expert Opinion on Therapeutic Patents, 2022, 32, 47-61.	2.4	12
2325	Directed Gas-Phase Formation of Aminosilylene (HSiNH₂;X¹Aâ€²): The Simplest Silicon Analogue of an Aminocarbene, under Single-Collision Conditions. Journal of the American Chemical Society, 2021, 143, 14227-14234.	6.6	6
2326	Activation of small molecules by the unsaturated complex Pt(IBut)(PBut3): First structural characterization of a peroxycarbonate complex of platinum. Journal of Organometallic Chemistry, 2021, 946-947, 121900.	0.8	0
2327	Direct Access to Palladium(II) Complexes Based on AnionicC,C,C-Phosphonium Ylide Core Pincer Ligand. Inorganic Chemistry, 2021, 60, 12116-12128.	1.9	18
2328	N-Heterocyclic carbene catalyzed aza-benzoin reaction for access to Î±-aminoketone molecules containing benzothiazole fragments. Tetrahedron, 2021, 94, 132311.	1.0	2
2329	Oxidative N-heterocyclic carbene (NHC) catalysis for the rapid access to functionalized pyrrolo-oxazinones. Tetrahedron, 2021, 94, 132330.	1.0	2
2330	Carbeneâ€Catalyzed Asymmetric Construction of Atropisomers. Angewandte Chemie, 2021, 133, 26230-26241.	1.6	21
2331	Desymmetrization of Cyclic 1,3-Diketones under N -Heterocyclic Carbene Organocatalysis: Access to Organofluorines with Multiple Stereogenic Centers. Research, 2021, 2021, 9867915.	2.8	8
2332	Supported NHC-Benzimi@Cu Complex as a Magnetically Separable and Reusable Catalyst for the Multicomponent and Click Synthesis of 1,4-Disubstituted 1,2,3-Triazoles via Huisgen 1,3-Dipolar Cycloaddition. Catalysis Letters, 2022, 152, 1854-1868.	1.4	19
2333	Towards the design, synthesis and preliminary biological evaluation of potential corono and clipcarbenes: Novel bis-imidazolium-bis-heterocycle macrocyclic ligands. Tetrahedron Letters, 2021, 79, 153288.	0.7	2
2334	Synthesis of Imidazolinium Salts by Pd/Câ€Catalyzed Dehydrogenation of Imidazolidines. European Journal of Organic Chemistry, 2021, 2021, 4551-4554.	1.2	5
2335	N-heterocyclic carbene-catalyzed intramolecular aza-Michael addition of alkyl amines to Î±,Î²-unsaturated carboxylic acid: Synthesis of pyrrolidines and piperidines. Tetrahedron, 2021, 94, 132337.	1.0	3
2336	Helically Chiral NHCâ€Gold(I) Complexes: Synthesis, Chiroptical Properties and Electronic Features of the [5]Heliceneâ€Imidazolylidene Ligand. European Journal of Organic Chemistry, 2021, 2021, 4769-4776.	1.2	9
2337	Influence of N-Substituents on the Adsorption Geometry of OH-Functionalized Chiral N-Heterocyclic Carbenes. Langmuir, 2021, 37, 10029-10035.	1.6	18
2338	NHC-Iridium-Catalyzed Deoxygenative Coupling of Primary Alcohols Producing Alkanes Directly: Synergistic Hydrogenation with Sodium Formate Generated in Situ. ACS Catalysis, 2021, 11, 10796-10801.	5.5	16
2339	Development of green and low-cost chiral oxidants for asymmetric catalytic hydroxylation of enals. Green Synthesis and Catalysis, 2021, 2, 295-298.	3.7	21
2340	Frontispiz: Das 1,3â€Bis(tricyanoboran)imidazolinâ€2â€ylidenatâ€Anion â€“ Ein ditopischer dianionischer Nâ€heterocyclischer Carbenâ€Ligand. Angewandte Chemie, 2021, 133, .	1.6	0

#	Article	IF	Citations
2341	Palladium(II) Complexes Bearing a Mixed Set of aNHC/Py/PR3/I2 Ligands: Applications in Î±-Arylation of Amide and Suzuki-Miyaura Coupling Reactions. Journal of Organometallic Chemistry, 2021, 949, 121925.	0.8	10
2342	Carbene Catalyzed Access to 3,6â€Disubstituted Î±â€Pyrones via Michael Addition/Lactonization/Elimination Cascade. Advanced Synthesis and Catalysis, 2021, 363, 4862-4866.	2.1	5
2343	Catalytically Active Gold Nanomaterials Stabilized byNâ€heterocyclic Carbenes. Chemistry - an Asian Journal, 2021, 16, 3026-3037.	1.7	16
2344	Physics-based, neural network force fields for reactive molecular dynamics: Investigation of carbene formation from [EMIM+][OAcâ^']. Journal of Chemical Physics, 2021, 155, 104112.	1.2	6
2345	Carbene Catalyzed Threeâ€Component Cascade Reaction of Benzofuranâ€2â€ones and Enals: Construction of Spirobenzofuranoneâ€Îˆâ€lactones. Asian Journal of Organic Chemistry, 0, , .	1.3	2
2346	An Anionic, Chelating C(sp3)/NHC ligand from the Combination of an N-heterobicyclic Carbene and Barbituric Heterocycle. Organometallics, 2021, 40, 3223-3234.	1.1	0
2347	Recent advances in the chemistry and applications of N-heterocyclic carbenes. Nature Reviews Chemistry, 2021, 5, 711-725.	13.8	282
2348	Stable CAACâ€based Ruthenium Complexes for Dynamic Olefin Metathesis Under Mild Conditions. ChemCatChem, 2021, 13, 4841.	1.8	4
2349	Single-molecule electrical spectroscopy of organocatalysis. Matter, 2021, 4, 2874-2885.	5.0	15
2350	Pyrrolinium-Substituted Persistent Zwitterionic Ferrocenate Derivative Enabling the Application of Ferrocene Anolyte. ACS Applied Materials & Interfaces, 2021, 13, 46558-46565.	4.0	11
2351	Access to Unsymmetrically Substituted Diaryl Gold Nâ€Acyclic Carbene (NAC) and Nâ€Heterocyclic Carbene (NHC) Complexes via the Isonitrile Route. Advanced Synthesis and Catalysis, 0, , .	2.1	4
2352	Synthesis and anticancer activity of Pt(0)â€olefin complexes bearing 1,3,5â€triazaâ€7â€phosphaadamantane and Nâ€heterocyclic carbene ligands. Applied Organometallic Chemistry, 2021, 35, e6438.	1.7	3
2353	Synthesis and characterization of the N-heterocyclic carbene ligand (NHC) precursors bearing long-alkyl chain substituent and the corresponding Ru(II)-carbene complexes for transfer hydrogenation catalysts. Journal of Organometallic Chemistry, 2021, 948, 121911.	0.8	2
2354	NONâ€Ligated N â€Heterocyclic Tetrylenes. European Journal of Inorganic Chemistry, 2021, 2021, 3591-3600.	1.0	9
2355	A DFT Study on the Molecular Mechanism of Additions of Electrophilic and Nucleophilic Carbenes to Non-Enolizable Cycloaliphatic Thioketones. Molecules, 2021, 26, 5562.	1.7	6
2356	Synthesis of Functionalized Dihydrocoumarins by NHC-Catalyzed [3 + 3] Annulation of Enals with 2-Substituted Naphthoquinones. Organic Letters, 2021, 23, 8039-8044.	2.4	15
2357	Metathesis of P=C Bonds Catalyzed by Nâ€Heterocyclic Carbenes. Chemistry - A European Journal, 2021, 27, 14594-14599.	1.7	4
2358	Structure and electronic properties of benzimidazole and cycloheptaimidazole gold N-heterocyclic carbenes. Polyhedron, 2021, 205, 115259.	1.0	2

#	Article	IF	Citations
2359	Synthesis of Conjugated Polymers via Transition Metal Catalysed Câ^'H Bond Activation. Chemistry - an Asian Journal, 2021, 16, 2896-2919.	1.7	12
2360	On the in situ formation of carbenes in ionic liquids. Molecular Physics, 2021, 119, .	0.8	2
2361	Halogenâ€verbrÃ¼ckte Methylnaphthylpalladiumâ€Dimere als vielseitig einsetzbare Katalysatorvorstufen in Kreuzkupplungen. Angewandte Chemie, 2021, 133, 25355-25364.	1.6	2
2362	Imidazo[1,5-a]pyridinylidenes as Ï€-Accepting NHC Ligands in Catalysis. Chemistry Letters, 2021, 50, 1892-1900.	0.7	7
2363	Reactions of 9-Carbene-9-Borafluorene Monoanion and Selenium: Synthesis of Boryl-Substituted Selenides and Diselenides. Inorganic Chemistry, 2021, 60, 13941-13949.	1.9	13
2364	Halogenâ€Bridged Methylnaphthyl Palladium Dimers as Versatile Catalyst Precursors in Coupling Reactions. Angewandte Chemie - International Edition, 2021, 60, 25151-25160.	7.2	16
2365	Green synthesis of selenium based N-heterocyclic carbene compounds; structural, in-vitro anticancer and molecular docking studies. Computational Biology and Chemistry, 2021, 94, 107567.	1.1	7
2366	A DFT study on the mechanism for polymerization of Î´-valerolactone initiated by N-heterocyclic carbene (NHC) catalysts. Molecular Catalysis, 2021, 515, 111896.	1.0	3
2367	Synthesis, crystal structure, and catalytic activity of bridged-bis(N-heterocyclic carbene) palladium(II) complexes in selective Mizoroki-Heck cross-coupling reactions. Polyhedron, 2021, 207, 115371.	1.0	3
2368	Tridentate complexes of group 4 bearing bis-aryloxide N-heterocyclic carbene ligand: Structure, spin density and charge states. Chemical Physics Letters, 2021, 781, 138888.	1.2	0
2369	Reactivity of antitumor coinage metal-based N-heterocyclic carbene complexes with cysteine and selenocysteine protein sites. Journal of Inorganic Biochemistry, 2021, 223, 111533.	1.5	22
2370	Thermochemical and Structural Studies of New Chiral and Achiral Long Alkyl Chain Functionalized Imidazolinium Ionic Liquids. Crystal Growth and Design, 2021, 21, 6276-6288.	1.4	2
2371	Transition metal â€˜cocktailâ€™-type catalysis. Current Opinion in Green and Sustainable Chemistry, 2021, 31, 100502.	3.2	28
2372	Application of Quantitative 1H and 19F NMR to Organometallics. Journal of Organometallic Chemistry, 2021, 950, 121991.	0.8	3
2373	Modulating the electronics of orthometalated RuII-NHC complexes via substitution patterns or NHC donors: Studies towards the impacts in catalysis. Journal of Organometallic Chemistry, 2021, 951, 122008.	0.8	7
2374	Reactivity studies and structural outcomes of a bulky dialkylaluminium amide in the presence of the N-heterocyclic carbene, ItBu. Polyhedron, 2021, 209, 115469.	1.0	2
2375	Synthesis of new Pd(NHC)-PEPPSI type complexes as catalysts toward C-C cross-coupling reactions. Journal of Molecular Structure, 2021, 1243, 130883.	1.8	6
2376	Dinuclear silver(I)- and gold(I)-N-heterocyclic carbene complexes of N-alkyl substituted bis-benzimidazol-2-ylidenes with aliphatic spacer: Synthesis, characterizations and antibacterial studies. Journal of Molecular Structure, 2021, 1246, 131187.	1.8	10

#	Article	IF	Citations
2377	Pyridine and pyrimidine functionalized half-sandwich Ru(II)-N heterocyclic carbene complexes: Synthesis, structures, spectra, electrochemistry and biological studies. Journal of Molecular Structure, 2021, 1245, 130939.	1.8	4
2378	Benzimidazole-functionalized PEPPSI type Pd(II)NHC complexes bearing nitrophenylethyl and hidroxyphenylethyl group: Synthesis, characterization, crystal structure and it's catalytic activity on direct arylation reaction. Journal of Molecular Structure, 2021, 1246, 131137.	1.8	2
2379	Picolyl and benzyl functionalized biphenyl NHC carbenes and their silver complexes: Sigma donating and antimicrobial properties. Journal of Organometallic Chemistry, 2021, 954-955, 122075.	0.8	4
2380	N-Heterocyclic and Mesoionic Carbene Complexes of the Group 4 Metals. , 2022, , 227-267.		2
2381	Quinazoline-2,4-dione: A promising scaffold for herbicide discovery. , 2021, , 483-499.		1
2382	An N-heterocyclic carbene-catalyzed switchable reaction of 9-(trimethylsilyl)fluorene and aldehydes: chemoselective synthesis of dibenzofulvenes and fluorenyl alcohols. Organic and Biomolecular Chemistry, 2021, 19, 3717-3721.	1.5	2
2383	Cyclopentadienoneâ€“NHC iron(0) complexes as low valent electrocatalysts for water oxidation. Catalysis Science and Technology, 2021, 11, 1407-1418.	2.1	4
2384	A PEGylated N-heterocyclic carbene-gold(<scp>i</scp>) complex: an efficient catalyst for cyclization reaction in water. Organic Chemistry Frontiers, 2021, 8, 1216-1222.	2.3	12
2385	N-Heterocyclic and Mesoionic Carbene Complexes of the Actinides. , 2021, , .		2
2386	NHC-catalyzed oxindole synthesis via single electron transfer. Organic Chemistry Frontiers, 2021, 8, 1454-1460.	2.3	37
2387	Unveiling the catalytic nature of palladium-N-heterocyclic carbene catalysts in the Î±-alkylation of ketones with primary alcohols. Dalton Transactions, 2021, 50, 10896-10908.	1.6	7
2388	Recent advances in catalytic synthesis of medium-ring lactones and their derivatives. Catalysis Science and Technology, 2021, 11, 6931-6946.	2.1	11
2389	Stabilization of a bismuthâ€“bismuth double bond by anionic N-heterocyclic carbenes. Dalton Transactions, 2021, 50, 1202-1205.	1.6	15
2390	Development of Metal Complexes Equipped with Structurally Flexible Carbenes. Bulletin of the Chemical Society of Japan, 2021, 94, 327-338.	2.0	8
2391	Asymmetric organocatalysis: an enabling technology for medicinal chemistry. Chemical Society Reviews, 2021, 50, 1522-1586.	18.7	219
2392	N-Heterocyclic Carbene Complexes of Nickel, Palladium, and Iridium Derived from Nitron: Synthesis, Structures, and Catalytic Properties. Organometallics, 2021, 40, 166-183.	1.1	15
2393	Actinide tetra-N-heterocyclic carbene â€˜sandwichesâ€™. Chemical Science, 2021, 12, 7882-7887.	3.7	11
2394	NHC-catalyzed enantioselective C2-functionalization of 3-hydroxychromenones via Î±,Î²-unsaturated acyl azoliums. Chemical Communications, 2021, 57, 9999-10002.	2.2	10

#	Article	IF	Citations
2395	Using Homoenolate Annulated Products for Synthesis of Indole Embedded Derivatives. Asian Journal of Chemistry, 2021, 33, 319-324.	0.1	0
2396	NHC-catalyzed Truceâ€“Smiles rearrangement of N-aryl methacrylamides for the synthesis of trans-cinnamides. Organic and Biomolecular Chemistry, 2021, 19, 3834-3837.	1.5	3
2397	Sustainable Synthesis of Biaryls Using Silica Supported Ferrocene Appended N-Heterocyclic Carbene-Palladium Complex. Catalysis Letters, 2021, 151, 2237-2249.	1.4	2
2398	Homoleptic cyclometalated dibenzothiopheneâ€“NHCâ€“iridium(<scp>iii</scp>) complexes for efficient blue phosphorescent organic light-emitting diodes. Journal of Materials Chemistry C, 2021, 9, 4062-4069.	2.7	15
2399	N-Heterocyclic Carbene-Stabilized Gold Nanoparticles: Mono- Versus Multidentate Ligands. Chemistry of Materials, 2021, 33, 921-933.	3.2	24
2400	Silicon-based difluoromethylations, difluoromethylenations, pentafluoroethylations, and related fluoroalkylations. , 2021, , 117-218.		7
2401	A novel catalytic two-step process for the preparation of rigid polyurethane foams: synthesis, mechanism and computational studies. Reaction Chemistry and Engineering, 2021, 6, 1238-1245.	1.9	16
2402	Triskelion-shaped iridium-helicene NHC complex. Inorganic Chemistry Frontiers, 2021, 8, 3916-3925.	3.0	13
2403	Cyclic (Alkyl)(amino)carbene Ligand-Promoted Nitro Deoxygenative Hydroboration with Chromium Catalysis: Scope, Mechanism, and Applications. Journal of the American Chemical Society, 2021, 143, 1618-1629.	6.6	56
2404	A 2,2â€²-diphosphinotolane as a versatile precursor for the synthesis of P-ylidic mesoionic carbenes via reversible Câ€“P bond formation. Chemical Science, 2021, 12, 3693-3701.	3.7	10
2405	Recent Advances in Synergistic Catalysis by MergingN-Heterocyclic Carbenes and Transition Metals. Chinese Journal of Organic Chemistry, 2021, 41, 3792.	0.6	6
2406	Luminescent Quantum Dots Stabilized by N-Heterocyclic Carbene Polymer Ligands. Journal of the American Chemical Society, 2021, 143, 1873-1884.	6.6	26
2407	N-Heterocyclic silylenes as ambiphilic activators and ligands. Dalton Transactions, 2021, 50, 6752-6765.	1.6	28
2408	Tritopic NHC Precursors: Unusual Nickel Reactivity and Ethylene Insertion into a C(sp³)â€“H Bond. Angewandte Chemie, 2017, 129, 12731-12734.	1.6	3
2409	Multifunctional Au^Iâ€based AIEgens: Manipulating Molecular Structures and Boosting Specific Cancer Cell Imaging and Theranostics. Angewandte Chemie - International Edition, 2020, 59, 7097-7105.	7.2	49
2410	Nâ€Heterocyclic Carbene Catalyzed Ester Synthesis from Organic Halides through Incorporation of Oxygen Atoms from Air. Angewandte Chemie - International Edition, 2021, 60, 2140-2144.	7.2	21
2411	Highly Efficient Transfer Hydrogenation Catalysis with Tailored Pyridylidene Amide Pincer Ruthenium Complexes. Chemistry - A European Journal, 2020, 26, 13226-13234.	1.7	15
2412	Copper(I) Complexes of Anionic Tridentate CNC Pincer Ligands. Zeitschrift Fur Anorganische Und Allgemeine Chemie, 2020, 646, 215-219.	0.6	4

#	Article	IF	Citations
2413	Hexagonal Boron Nitride Supported N-Heterocyclic Carbene-Palladium(II): A New, Efficient and Recyclable Heterogeneous Catalyst for Suzukiâ€“Miyaura Cross-Coupling Reaction. Catalysis Letters, 2021, 151, 1293-1308.	1.4	12
2414	Nickel(II) allyl complexes with anionic N-heterocyclic carbene-borate ligands. Journal of Organometallic Chemistry, 2020, 918, 121311.	0.8	12
2415	Oxidative NHC catalysis for base-free synthesis of benzoxazinones and benzoazoles by thermal activated NHCs precursor ionic liquid catalyst using air as oxidant. Molecular Catalysis, 2020, 492, 111013.	1.0	15
2416	Insight into the Substitution Mechanism of Antitumor Au(I) N-Heterocyclic Carbene Complexes by Cysteine and Selenocysteine. Inorganic Chemistry, 2020, 59, 3312-3320.	1.9	27
2417	N-Heterocyclic Carbene/Magnesium Cocatalyzed Radical Relay Assembly of Aliphatic Keto Nitriles. Organic Letters, 2021, 23, 394-399.	2.4	48
2418	N-Heterocyclic Carbene-Catalyzed Asymmetric Functionalization of Aldehyde Câ€“H Bonds. RSC Catalysis Series, 2015, , 283-357.	0.1	1
2419	Base Catalysts for Organopolymerization. RSC Polymer Chemistry Series, 2018, , 121-197.	0.1	2
2420	Electrochemistry under Flow Conditions. RSC Green Chemistry, 2019, , 153-198.	0.0	4
2421	Access to the most sterically crowded anilines via non-catalysed Câ€“C coupling reactions. Chemical Communications, 2020, 56, 2487-2490.	2.2	5
2422	Novel iridium complexes with N-heterocyclic dicarbene ligands in light-driven water oxidation catalysis: photon management, ligand effect and catalyst evolution. Dalton Transactions, 2020, 49, 2696-2705.	1.6	11
2423	A resorcinarene-based tetrabenzoimidazolylidene complex of rhodium. Dalton Transactions, 2020, 49, 3181-3186.	1.6	2
2424	Water soluble palladium(<scp>ii</scp>) and platinum(<scp>ii</scp>) acyclic diaminocarbene complexes: solution behavior, DNA binding, and antiproliferative activity. New Journal of Chemistry, 2020, 44, 5762-5773.	1.4	20
2425	Asymmetric N-alkylation of indoles with isatins catalyzed by N-heterocyclic carbene: efficient synthesis of functionalized cyclic N,O-aminal indole derivatives. Organic Chemistry Frontiers, 2020, 7, 1647-1652.	2.3	16
2426	Dearomative [4 + 2] annulations between 3-nitroindoles and enals through oxidative N-heterocyclic carbene catalysis. Organic Chemistry Frontiers, 2020, 7, 3862-3867.	2.3	16
2427	Confinement of a Auâ€“N-heterocyclic carbene in a Pd₆L₁₂ metalâ€“organic cage. RSC Advances, 2020, 10, 39323-39327.	1.7	4
2428	Synthesis and molecular structure of biologically significant bis(1,3-dimesityl-4,5-naphthoquinoimidazol-2-ylidene)gold(I) complexes with chloride and dichloridoaurate counter-ions. Acta Crystallographica Section C, Structural Chemistry, 2019, 75, 462-468.	0.2	1
2429	(+)-trans-Chlorido{2-[(R_p)-2-(methylsulfanyl)ferrocenyl]-2,5,6,7-tetrahydropyrrolo[1,2-c]imidazol-3-yli hexafluoridophosphate dichloroform disolvate. Acta Crystallographica Section E: Crystallographic Communications, 2016, 72, 1330-1334.	0.2	1
2430	Synthesis and crystal structure of 1,3-bis(4-hydroxyphenyl)-1H-imidazol-3-ium chloride. Acta Crystallographica Section E: Crystallographic Communications, 2019, 75, 1311-1315.	0.2	1

#	Article	IF	Citations
2431	The Azoles in Pharmacochemistry: Perspectives on the Synthesis of New Compounds and Chemoinformatic Contributions. Current Pharmaceutical Design, 2020, 25, 4702-4716.	0.9	11
2432	Intramolecular Î±-Oxygenation of Amines via N -Heterocyclic Carbene-Catalyzed Domino Reaction of Aryl Aldehyde: Experiment and DFT Calculation. CCS Chemistry, 2019, 1, 343-351.	4.6	10
2433	Bis-NHCâ€“Ag/Pd(OAc)2 Catalytic System Catalyzed Transfer Hydrogenation Reaction. Catalysts, 2021, 11, 8.	1.6	9
2434	DIMERIZATION ENERGIES AS AN IMPORTANT FACTOR OF CARBENE STABILITY. I. IMIDAZOL-2-YLIDENES.. Proceedings of the Shevchenko Scientific Society Series Ð¡hemical Sciences, 2019, 2019, 7-22.	0.2	5
2435	Syntheses of Acridines and Quinazoline-2,4(1H,3H)-dithiones by Rearrangements of N-Heterocyclic Carbenes of Indazole. Heterocycles, 2014, 89, 2356.	0.4	7
2436	Palladium/Benzimidazolium Salt Catalyst Systems and N-Heterocyclic Carbene-Palladium(II)-Pyridine (PEPPSI) Complexes for Anti-Markovnikov Hydroaminations of Styrene in Ionic Liquid. Heterocycles, 2019, 98, 403.	0.4	5
2437	Synthesis of an <i>N</i>-Heterocyclic Carbene-based Au(I) Coordinate Surfactant: Application for Alkyne Hydration Based on Au Nanoparticle Formation. Journal of Oleo Science, 2020, 69, 871-882.	0.6	8
2438	Cancer molecular biology and strategies for the design of cytotoxic gold(<scp>i</scp>) and gold(<scp>iii</scp>) complexes: a tutorial review. Dalton Transactions, 2021, 50, 17413-17437.	1.6	17
2439	Recent advances in the organocatalytic applications of cyclopropene- and cyclopropenium-based small molecules. Organic and Biomolecular Chemistry, 2021, 19, 9541-9564.	1.5	10
2440	Biradicals in main group chemistry: Synthesis, electronic structure, and application in small-molecule activation. , 2023, , 165-233.		8
2441	Carbenes and phosphonium ylides: a fruitful association in coordination chemistry. Dalton Transactions, 2021, 50, 16434-16442.	1.6	10
2442	Strain-release enabled [3 + 2] annulation of 3-aminooxetanes with simple Cî€N bonds: facile synthesis of imidazolidines. Organic Chemistry Frontiers, 2021, 8, 6616-6621.	2.3	6
2443	Electrostatic effects in N-heterocyclic carbene catalysis: revealing the nature of catalysed decarboxylation. Physical Chemistry Chemical Physics, 2021, 23, 24627-24633.	1.3	8
2444	Wanzlick's equilibrium in tri- and tetraaminoolefins. Organic Chemistry Frontiers, 2021, 8, 6663-6669.	2.3	5
2445	Supported phosphine free bis-NHC palladium pincer complex: An efficient reusable nanocatalyst for Suzuki-Miyaura coupling reaction. Molecular Catalysis, 2021, 515, 111928.	1.0	5
2446	Synthesis of MAuAg (M = Ni, Pd, or Pt) and NiAuCu Heterotrimetallic Complexes Ligated by a Tritopic Carbanionic N-Heterocyclic Carbene. Inorganic Chemistry, 2021, 60, 16035-16041.	1.9	3
2447	Critical Assessment of the Reducing Ability of Breslowâ€type Derivatives and Implications for Carbeneâ€Catalyzed Radical Reactions**. Angewandte Chemie - International Edition, 2021, 60, 26783-26789.	7.2	62
2448	CAACs as efficient ancillary ligands for the synthesis of robust catalysts. Journal of Organometallic Chemistry, 2021, 956, 122133.	0.8	18

#	Article	IF	Citations
2449	Critical Assessment of the Reducing Ability of Breslowâ€type Derivatives and Implications for Carbeneâ€Catalyzed Radical Reactions**. Angewandte Chemie, 2021, 133, 26987-26993.	1.6	8
2450	Platinum Poly-yne Featuring N-Heterocyclic Carbene Ligands: Synthesis, Properties, and Organic Light-Emitting Diode Application. Macromolecules, 2021, 54, 9888-9895.	2.2	5
2451	NMR Crystallography Enhanced by Quantum Chemical Calculations and Liquid State NMR Spectroscopy for the Investigation of Seâ€NHC Adducts**. Chemistry - A European Journal, 2021, 27, 16477-16487.	1.7	0
2452	Theoretical Study of N-Heterocyclic-Carbeneâ€“ZnX2 (X = H, Me, Et) Complexes. Materials, 2021, 14, 6147.	1.3	12
2453	Tetrylenes: Electronic Structure, Stability, Reactivity, and Ligand Propertiesâ€”A Comparative DFT Study. Organometallics, 2021, 40, 3408-3423.	1.1	11
2454	Norrish type II reactions of acyl azolium salts. Tetrahedron, 2021, 100, 132497.	1.0	7
2455	Photoswitchable Nitrogen Superbases: Using Light for Reversible Carbon Dioxide Capture. Angewandte Chemie - International Edition, 2021, , .	7.2	8
2456	Photoswitchable Nitrogen Superbases: Using Light for Reversible Carbon Dioxide Capture. Angewandte Chemie, 0, , .	1.6	2
2457	Wellâ€Defined NHCâ^'Ni Complexes as Catalysts: Preparation, Structures and Mechanistic Studies in Crossâ€Coupling Reactions. Chemical Record, 2021, 21, 3925-3942.	2.9	8
2458	[(NHC)PdCl₂(Aniline)] Complexes: Easily Synthesized, Highly Active Pd(II)â€“NHC Precatalysts for Cross-Coupling Reactions. Journal of Organic Chemistry, 2021, 86, 15648-15657.	1.7	35
2459	Ïƒ⁰Ï€² Singlet Ground State Carbenes Undergo Least-Motion Reactions with H₂ and Alkenes. Journal of Organic Chemistry, 2021, 86, 15247-15252.	1.7	1
2460	Yellowâ€“green luminescence of four-coordinate copper(I) complexes bearing Nâ€“heterocyclic carbene (NHC) ligands: Synthesis, photophysical and computational studies. Polyhedron, 2021, 210, 115500.	1.0	4
2461	Synthesis and reactivity of an anionic NHC-borane featuring a weakly coordinating silicate anion. Journal of Organometallic Chemistry, 2021, 956, 122120.	0.8	3
2462	NHC-Catalyzed Enantioselective Annulations of Enals. Springer Theses, 2017, , 63-85.	0.0	0
2463	Organocatalyzed Step-growth Polymerization. RSC Polymer Chemistry Series, 2018, , 531-583.	0.1	0
2464	Metal-free Polyether Synthesis by Organocatalyzed Ring-opening Polymerization. RSC Polymer Chemistry Series, 2018, , 328-366.	0.1	1
2465	Thiazolium and imidazolium cations from ionic liquids as pre-catalysts in benzoin condensationâ€“a mini review. Journal of Analytical & Pharmaceutical Research, 2018, 7, .	0.3	1
2466	Crystal structure of (Î·⁴-cyclooctadiene)(3,3â€²-dimesityl-1,1â€²-methylenediimidazoline-2,2â€²-diylidene)nickel(0) tetrahydrofuran monosolvate. Acta Crystallographica Section E: Crystallographic Communications, 2018, 74, 1396-1399.	0.2	2

#	Article	IF	Citations
2467	Crystal structure of 1-butyl-3-{2-[(indan-5-yl)amino]-2-oxoethyl}-1H-imidazol-3-ium chloride. Acta Crystallographica Section E: Crystallographic Communications, 2018, 74, 1665-1668.	0.2	0
2468	Sulu Ortamda N-Heterosiklik Karben/Palladyum Katalizli Suzuki-Miyaura Ã‡apraz-EÅŸleÅŸme Tepkimeleri. Journal of Natural and Applied Sciences, 0, , 13-20.	0.1	0
2469	N-Heterocyclic Carbene-Catalyzed 1,6-Addition of Homoenolate Equivalent Intermediates: Asymmetric Synthesis of Nonspirocyclic Quaternary Oxindoles. CCS Chemistry, 2019, , .	4.6	1
2470	Modular Synthesis of New Bicyclic Carbene Precursors. Letters in Organic Chemistry, 2019, 16, 951-954.	0.2	0
2471	Synthesis and structural characterization of iridium(I) complexes of 20-membered macrocyclic rings bearing chelating bis(N-heterocyclic carbene) ligands. Acta Crystallographica Section C, Structural Chemistry, 2019, 75, 1652-1657.	0.2	0
2472	Stereoelectronic Properties of 1,2,4-Triazole-Derived N-heterocyclic Carbenes - A Theoretical Study. VNU Journal of Science Natural Sciences and Technology, 2019, 35, .	0.1	4
2473	Mechanistic Studies on Catalytic Cross-Coupling Using Well-Defined NHCNickel(I) Complexes. Bulletin of Japan Society of Coordination Chemistry, 2020, 75, 66-75.	0.1	0
2474	Continuous Flow Synthesis of Sulfurâ€•and Seleniumâ^'NHC Compounds (NHC=Nâ€•Heterocyclic) Tj ETQq1 1 0.784314 rgBT /Ov	1.2	6
2475	Zinc-Catalyzed Î²-Functionalization of Cyclopropanols via Enolized Homoenolate. Journal of the American Chemical Society, 2021, 143, 18400-18405.	6.6	20
2476	Rigid chelating dicarbene ligands based on naphthyridine-fused bisimidazolium salts. Chinese Chemical Letters, 2022, 33, 2993-2996.	4.8	2
2477	Synthesis and structures of 4,5-dimethyl-1,3-bis(pyridin-2-ylmethyl)-1H-imidazolium chloride and 1,1â€²-bis(pyridin-2-ylmethyl)-2,2â€²-bis(4,5-dimethylimidazole). Russian Chemical Bulletin, 2021, 70, 1957-1963.	0.4	1
2478	Cyclic (Amino)(Aryl)Nitrenium Cations with Lewis Acidity Controlled by Remote Substituents. Chinese Journal of Chemistry, 0, , .	2.6	2
2479	Dual-Metal N-Heterocyclic Carbene Complex (M = Au and Pd)-Functionalized UiO-67 MOF for Alkyne Hydrationâ€“Suzuki Coupling Tandem Reaction. Journal of Organic Chemistry, 2021, 86, 1818-1826.	1.7	15
2480	Preferential Nâ€“Hâ‹¯Cî€Š hydrogen bonding involving ditopic NH-containing systems and N-heterocyclic carbenes. RSC Advances, 2020, 10, 42164-42171.	1.7	9
2481	1,2,4-Triazoles. , 2022, , 78-121.		3
2482	Reaction Parameterization as a Tool for Development in Organometallic Catalysis. , 2021, , .		2
2483	Development of Multi-functional NHC Catalysts bearing Pyridine Moiety: Application to Catalytic Asymmetric Reactions. Yuki Gosei Kagaku Kyokaishi/Journal of Synthetic Organic Chemistry, 2020, 78, 338-349.	0.0	0
2484	Stable Singlet Carbenes as Organic Superbases. Angewandte Chemie - International Edition, 2021, 60, 27253-27257.	7.2	15

#	Article	IF	Citations
2486	Stable Singlet Carbenes as Organic Superbases. Angewandte Chemie, 0, , .	1.6	3
2487	Design of new bis-triazolyl structure for identification of inhibitory activity on COVID-19 main protease by molecular docking approach. Journal of Molecular Structure, 2022, 1250, 131858.	1.8	8
2488	Experimental and Computational Study on Photophysical Properties of Mesoionic Chalcogenones. Chemistry - an Asian Journal, 2021, 16, 4165-4170.	1.7	3
2490	Synthesis, Characterization and Antimicrobial Activities of 1,4- Disubstituted 1,2,3-Triazole Compounds. Current Topics in Medicinal Chemistry, 2020, 20, 2289-2299.	1.0	4
2491	Rationalizing the influence of Î±-cationic phospholes on Ï€-catalysis. Dalton Transactions, 2021, 50, 18036-18043.	1.6	3
2492	From imines to amides via NHC-mediated oxidation. Organic Chemistry Frontiers, 2022, 9, 356-363.	2.3	13
2493	Catalytic Method for the Synthesis of Deuterium-Labeled N-Heterocyclic Carbenes Enabled by a Coordinatively Unsaturated Ruthenium N-Heterocyclic Carbene Catalyst. Journal of the American Chemical Society, 2021, 143, 19956-19965.	6.6	8
2494	Enantioselective Formal [4 + 3] Annulations to Access Benzodiazepinones and Benzoxazepinones via NHC/Ir/Urea Catalysis. ACS Catalysis, 2021, 11, 14388-14394.	5.5	22
2495	The effects of halogen substituents on structure, stability, and electronic properties of bicyclo[1.1.1]pentanylene at density functional theory. Journal of Physical Organic Chemistry, 0, , e4304.	0.9	1
2496	Syntheses and Reactivity of Piano-Stool Iron Complexes of Picolyl-Functionalized N-Heterocyclic Carbene Ligands. Organometallics, 2021, 40, 3943-3951.	1.1	8
2497	MOF Encapsulating Nâ€Heterocyclic Carbeneâ€Ligated Copper Singleâ€Atom Site Catalyst towards Efficient Methane Electrosynthesis. Angewandte Chemie, 2022, 134, e202114450.	1.6	15
2498	Efficient electrocatalytic acetylene semihydrogenation by electronâ€“rich metal sites in Nâ€“heterocyclic carbene metal complexes. Nature Communications, 2021, 12, 6574.	5.8	30
2499	Geometrically Constrained Cationic Lowâ€Coordinate Tetrylenes: Highly Lewis Acidic Ïƒâ€Donor Ligands in Catalytic Systems. Angewandte Chemie - International Edition, 2022, 61, .	7.2	20
2500	MOF Encapsulating Nâ€Heterocyclic Carbeneâ€Ligated Copper Singleâ€Atom Site Catalyst towards Efficient Methane Electrosynthesis. Angewandte Chemie - International Edition, 2022, 61, .	7.2	170
2501	Transforming CO₂ into Methanol with N-Heterocyclic Carbene-Stabilized Coinage Metal Hydrides Immobilized in a Metalâ€“Organic Framework UiO-68. ACS Applied Materials & Interfaces, 2021, 13, 58723-58736.	4.0	18
2502	Understanding the Binding Properties of Nâ€heterocyclic Carbenes through BDE Matrix App. European Journal of Inorganic Chemistry, 2022, 2022, .	1.0	5
2503	Geometrically Constrained Cationic Lowâ€Coordinate Tetrylenes: Highly Lewis Acidic Ïƒâ€Donor Ligands in Catalytic Systems. Angewandte Chemie, 2022, 134, .	1.6	7
2504	Quantum Tunneling on Carbene Organocatalysis: Breslow Intermediate Formation via Water-Bridges. ACS Catalysis, 2021, 11, 14836-14841.	5.5	11

#	Article	IF	Citations
2505	Late Transition Metal (LTM)-NHC Catalyzed Transformations of Renewable Chemicals to Fine Chemicals, Fuels, and Intermediates. , 0, , .		0
2506	Recent advances in tertiary amine Lewis base-promoted cycloadditions of allenoates. Chinese Chemical Letters, 2022, 33, 2372-2382.	4.8	20
2507	1,1â€²â€²Ferrocenyleneâ€Bridged Bis(Nâ€Heterocyclic Olefin) Derivatives. European Journal of Inorganic Chemistry, 2022, 2022, .	1.0	1
2508	Recent Developments in the Chemistry of Pn(I) (Pn=N, P, As, Sb, Bi) Cations. Chemistry - an Asian Journal, 2022, 17, .	1.7	8
2509	Betaine formation from the reactions of N-heterocyclic carbenes with polarized alkenes. Canadian Journal of Chemistry, 0, , .	0.6	0
2510	Buchwaldâ€Hartwig Amination of Coordinating Heterocycles Enabled by Largeâ€butâ€Flexible Pdâ€BIANâ€NHC Catalysts**. Chemistry - A European Journal, 2022, 28, .	1.7	16
2511	Interfacial Dynamics, Chemistry, and Photochemistry of Molecular Ligands on Plasmonic Nanoparticle Surfaces: Insights From Surface-Enhanced Raman Spectroscopy. , 2021, , .		0
2512	Ligand-controlled regioselective and chemodivergent defluorinative functionalization of gem-difluorocyclopropanes with simple ketones. Chemical Science, 2021, 12, 15511-15518.	3.7	30
2513	Anti-cancer gold compounds. , 2021, , .		0
2514	Monocyclopentadienyl and Other Half-Sandwich Complexes of Iron. , 2022, , 46-184.		1
2515	Impact of the coordination of multiple Lewis acid functions on the electronic structure and vⁿconfiguration of a metal center. Dalton Transactions, 2022, 51, 411-427.	1.6	5
2516	Using N-Heterocyclic Carbenes as Weak Equatorial Ligands to Design Single-Molecule Magnets: Zero-Field Slow Relaxation in Two Octahedral Dysprosium(III) Complexes. Inorganic Chemistry, 2022, 61, 1264-1269.	1.9	5
2517	Nâ€tertâ€Alkylâ€Substituted Nâ€Heterocyclic Carbenes with a 1,1â€™â€Ferrocenediyl Backbone. European Journal of Inorganic Chemistry, 2022, 2022, e202101014.	1.0	8
2518	Nâ€Heterocyclic and Mesoionic Carbenes of Manganese and Rhenium in Catalysis. European Journal of Inorganic Chemistry, 2022, 2022, .	1.0	15
2519	Late Lanthanide Macrocyclic Tetra-NHC Complexes. Inorganic Chemistry, 2022, 61, 1611-1619.	1.9	4
2520	Influence of the Flexibility of Nickel PCPâ€Pincer Complexes on Câˆ’H and Pâˆ’C Bond Activation and Ethylene Reactivity: A Combined Experimental and Theoretical Investigation. Chemistry - A European Journal, 2022, 28, .	1.7	2
2521	Ruthenium complexes bearing N-heterocyclic carbene based CNC and CN^CHCâ€™ pincer ligands: Photophysics, electrochemistry, and solar energy conversion. Journal of Organometallic Chemistry, 2022, 959, 122203.	0.8	6
2522	In-situ synthesis of mercury(II)-N-heterocyclic carbene complexes by using â€œoxide routeâ€, structural characterization and their photo-catalytic degradation activity for dyes. Journal of Organometallic Chemistry, 2022, 960, 122222.	0.8	1

#	Article	IF	Citations
2524	N-Heterocyclic Carbene-Catalyzed [4+2] Annulation of Acetates and Î²-Silyl Enones: Highly Enantioselective Synthesis of Î²-Silyl Î´-Lactones. Chinese Journal of Organic Chemistry, 2021, 41, 4467.	0.6	3
2525	Recent advances of N-heterocyclic carbenes in the applications of constructing carbo- and heterocyclic frameworks with potential biological activity. RSC Advances, 2021, 11, 38060-38078.	1.7	14
2526	Organometallic Functionalized MOFs - Reactivity and Catalysis. , 2021, , .		1
2527	Synthesis of N-heterocyclic carbene-based silver complexes and their antimicrobial properties against bacteria and fungi. Journal of Coordination Chemistry, 2021, 74, 3031-3047.	0.8	11
2528	Synthesis and DFT Investigation of New Low-Melting Supramolecular Schiff Base Ionic Liquid Crystals. Crystals, 2022, 12, 136.	1.0	5
2529	Encapsulation of Metal Clusters within Porous Organic Materials: From Synthesis to Catalysis Applications. Chemistry - an Asian Journal, 2022, 17, .	1.7	16
2530	Correlating Electronic Properties of N â€Heterocyclic Carbenes with Structure, and the Implications of Using Different Probes. ChemistrySelect, 2022, 7, .	0.7	3
2531	N-Heterocyclic carbene-catalyzed enantioselective dearomatizing annulation of benzoxazoles with enals. Organic Chemistry Frontiers, 0, , .	2.3	5
2532	Ruthenium and Osmium Complexes Containing NHC and Ï€-Acid Ligands. , 2022, , 444-527.		1
2533	Synthesis of Axially Chiral Aldehydes by Nâ€Heterocyclicâ€Carbeneâ€Catalyzed Desymmetrization Followed by Kinetic Resolution. Angewandte Chemie, 0, , .	1.6	6
2534	Carbon Monoxide in Main-Group Chemistry. Journal of the American Chemical Society, 2022, 144, 2034-2050.	6.6	63
2535	Cooperative N-Heterocyclic Carbene/Nickel-Catalyzed Hydroacylation of 1,3-Dienes with Aldehydes in Water. ACS Catalysis, 2022, 12, 1657-1663.	5.5	17
2536	Base-stabilized formally zero-valent mono and diatomic molecular main-group compounds. Dalton Transactions, 2022, 51, 2170-2202.	1.6	8
2537	Highly Efficient Single A3-Coupling (Aldehyde-Amine-Alkyne) Reaction Catalyzed by Air Stable Silver-(N-Heterocyclic Carbene) Complexes: Synthesis and Characterization. Polycyclic Aromatic Compounds, 0, , 1-16.	1.4	1
2538	Synthesis of Axially Chiral Aldehydes by Nâ€Heterocyclicâ€Carbeneâ€Catalyzed Desymmetrization Followed by Kinetic Resolution. Angewandte Chemie - International Edition, 2022, 61, .	7.2	39
2539	N-Alkoxyimidazolylidines (NOHCs): nucleophilic carbenes based on an oxidized imidazolium core. Chemical Communications, 2022, 58, 1538-1541.	2.2	1
2540	Alkaline Stability of Low Oxophilicity Metallopolymer Anionâ€Exchange Membranes. Chemistry - A European Journal, 2022, 28, .	1.7	10
2541	Cu/Fe-mediated N(sp2)-arylation/alkenylation of pyridines with aryl-/alkenylboronic acids to yield versatile cationic materials. New Journal of Chemistry, 2022, 46, 2320-2325.	1.4	1

#	Article	IF	Citations
2542	Tuning the luminescence of transition metal complexes with acyclic diaminocarbene ligands. Inorganic Chemistry Frontiers, 2022, 9, 417-439.	3.0	31
2543	Reversible Selbstorganisation eines Nâ€heterocyclischen Carbens auf MetalloberflÃchen. Angewandte Chemie, 2022, 134, e202115104.	1.6	4
2544	N-Heterocyclic Carbene-Promoted [4+2] Annulation of Î±-Chloro Hydrazones with Î±-Chloro Aliphatic Aldehydes to Access Enantioenriched Dihydropyridazinones. Journal of Organic Chemistry, 2022, 87, 3677-3685.	1.7	13
2545	Electronically tuneable orthometalated Ru^{II}â€“NHC complexes as efficient catalysts for Câ€“C and Câ€“N bond formations via borrowing hydrogen strategy. Catalysis Science and Technology, 2022, 12, 67-74.	2.1	21
2546	X-Type Aluminyl Ligands for Transition-Metal Catalysis. ACS Catalysis, 2022, 12, 1626-1638.	5.5	11
2547	Chiral Bicyclic NHC/Rh Complexes and Their Application to Catalytic Asymmetric Ring-Opening Reaction of Oxabenzonorbornadienes with Amines. Journal of Organic Chemistry, 2022, , .	1.7	1
2548	Reversible Selfâ€Assembly of an Nâ€Heterocyclic Carbene on Metal Surfaces. Angewandte Chemie - International Edition, 2022, 61, .	7.2	13
2549	Recent Progress on Nâ€heterocyclic Carbene Catalysts in Chemical Fixation of CO₂. Asian Journal of Organic Chemistry, 2022, 11, .	1.3	8
2550	Deoxygenative Crossâ€Coupling of Aromatic Amides with Polyfluoroarenes. Angewandte Chemie - International Edition, 2022, 61, .	7.2	20
2551	Gallium, Indium, and Thallium. , 2022, , .		0
2552	Deoxygenative Crossâ€Coupling of Aromatic Amides with Polyfluoroarenes. Angewandte Chemie, 0, , .	1.6	2
2553	Novel ruthenium complexes bearing bipyridine-based and N-heterocyclic carbene-supported pyridine (NCN) ligands: the influence of ligands on catalytic transfer hydrogenation of ketones. Dalton Transactions, 2021, 51, 340-351.	1.6	4
2554	Catalytic atroposelective synthesis of axially chiral benzonitriles via chirality control during bond dissociation and CN group formation. Nature Communications, 2022, 13, 36.	5.8	39
2555	Suzuki-type cross-coupling of alkyl trifluoroborates with acid fluoride enabled by NHC/photoredox dual catalysis. Chemical Science, 2022, 13, 2584-2590.	3.7	42
2556	Synthesis and Characterization of Enantiopure Chiral Bis NHC-Stabilized Edge-Shared Au₁₀ Nanocluster with Unique Prolate Shape. Journal of the American Chemical Society, 2022, 144, 2056-2061.	6.6	44
2557	Recent Advances in the Domain of Cyclic (Alkyl)(Amino) Carbenes. Chemistry - an Asian Journal, 2022, 17, .	1.7	38
2558	Bioinspired nonheme iron complex that triggers mitochondrial apoptotic signalling pathway specifically for colorectal cancer cells. Chemical Science, 2022, 13, 737-747.	3.7	5
2559	Tailoring graphene-supported Ru nanoparticles by functionalization with pyrene-tagged N-heterocyclic carbenes. Catalysis Science and Technology, 2022, 12, 1257-1270.	2.1	9

#	Article	IF	Citations
2560	N-Heterocyclic Carbene-Phosphinidenide Complexes as Hydroboration Catalysts. Journal of Organic Chemistry, 2022, 87, 1098-1109.	1.7	13
2561	Strongly Electron-Donating Triazolylidene Ligands: Cationic Metal Carbonyl Complexes of 1-Methyl-1,2,3-triazole as Triazolium Surrogates. Inorganic Chemistry, 2022, 61, 1254-1258.	1.9	0
2562	Unveiling a key catalytic pocket for the ruthenium NHC-catalysed asymmetric heteroarene hydrogenation. Chemical Science, 2022, 13, 985-995.	3.7	12
2563	Stereoelectronic Evaluation of Pyrazole- and Indazole-Derived N-Heterocyclic Carbenes. Organometallics, 2022, 41, 335-344.	1.1	4
2564	N-Heterocyclic-Carbene-Catalyzed Câ€“H Acylation via Radical Relay. Organic Letters, 2022, 24, 944-948.	2.4	36
2565	Enantioselective Cascade Annulation of Î±â€Aminoâ€ynones and Enals Enabled by Gold and Oxidative NHC Relay Catalysis. Angewandte Chemie, 0, , .	1.6	3
2566	Oneâ€Step Access to Heteroatomâ€Functionalized Imidazol(in)ium Salts. Angewandte Chemie, 0, , .	1.6	1
2567	Calix[4]pyrrolato Stannate(II): A Tetraamido Tin(II) Dianion and Strong Metalâ€Centered Ïƒâ€Donor. Angewandte Chemie - International Edition, 2022, 61, .	7.2	10
2568	Synthesis, Characterization, and Catalytic Study of Caffeine-Derived N-heterocyclic Carbene Palladium Complexes. Organometallics, 2022, 41, 161-168.	1.1	8
2569	Boosting Gold(I) Catalysis via Weak Interactions: New Fine-Tunable Impy Ligands. ACS Organic & Inorganic Au, 2022, 2, 229-235.	1.9	6
2570	Sensitized and Selfâ€Sensitized Photocatalytic Carbon Dioxide Reduction Under Visible Light with Ruthenium Catalysts Shows Enhancements with More Conjugated Pincer Ligands. European Journal of Inorganic Chemistry, 2022, 2022, .	1.0	5
2571	Î±-Diimine synthesis via titanium-mediated multicomponent diimination of alkynes with C-nitrosos. Chemical Science, 2022, 13, 1469-1477.	3.7	11
2572	Combination of a Metal-N-Heterocyclic-Carbene Catalyst and a Chiral Aminocatalyst within a Covalent Organic Framework: a Powerful Cooperative Approach for Relay Asymmetric Catalysis. Inorganic Chemistry, 2022, 61, 2455-2462.	1.9	9
2573	Oneâ€Step Access to Heteroatomâ€Functionalized Imidazol(in)ium Salts. Angewandte Chemie - International Edition, 2022, 61, .	7.2	9
2574	Ligands Featuring Covalently Tethered Moderate to Weakly Coordinating Anions. , 2022, , .		0
2575	Recent Advances in Benzimidazole Based NHCâ€Metal Complex Catalysed Crossâ€Coupling Reactions**. ChemistrySelect, 2022, 7, .	0.7	11
2576	Bi- and trimetallic complexes with macrocyclic xanthene-4,5-diNHC ligands. Dalton Transactions, 2022, 51, 2464-2479.	1.6	1
2577	Câ^'F Bond Activation and Functionalizations Enabled by Metalâ€free NHCs and Their Metal Complexes. ChemCatChem, 2022, 14, .	1.8	14

#	Article	IF	Citations
2578	Calix[4]pyrrolatostannat(II): Ein Tetraamidozinn(II)dianion als starker, metallzentrierter Ïƒâ€Donor. Angewandte Chemie, 2022, 134, .	1.6	2
2579	Enantioselective Cascade Annulation of Î±â€Aminoâ€ynones and Enals Enabled by Gold and Oxidative NHC Relay Catalysis. Angewandte Chemie - International Edition, 2022, 61, .	7.2	17
2580	Remote C(sp³)â^'H Acylation of Amides and Cascade Cyclization via Nâ€Heterocyclic Carbene Organocatalysis. Angewandte Chemie, 2022, 134, .	1.6	5
2581	Azoliums and Ag(I)â€Nâ€Heterocyclic Carbene Thioglycosides: Synthesis, Reactivity and Bioactivity. European Journal of Organic Chemistry, 2022, 2022, .	1.2	4
2582	NHC Catalysis for Umpolung Pyridinium Alkylation via deoxyâ€Breslow Intermediates. Angewandte Chemie - International Edition, 2022, , .	7.2	7
2583	Unraveling the mechanism and substituent effects on the N-heterocyclic carbene-catalyzed transformation reaction of enals and imines. Molecular Catalysis, 2022, 519, 112122.	1.0	8
2584	Remote C(sp³)â^'H Acylation of Amides and Cascade Cyclization via Nâ€Heterocyclic Carbene Organocatalysis. Angewandte Chemie - International Edition, 2022, 61, .	7.2	45
2585	NHC Catalysis for Umpolung Pyridinium Alkylation via Deoxyâ€Breslow Intermediates. Angewandte Chemie, 2022, 134, .	1.6	2
2586	Palladium-NHC (NHC = N-heterocyclic Carbene)-Catalyzed Suzukiâ€“Miyaura Cross-Coupling of Alkyl Amides. ACS Catalysis, 2022, 12, 2426-2433.	5.5	23
2587	Isolable silylenes and their diverse reactivity. Coordination Chemistry Reviews, 2022, 457, 214413.	9.5	30
2588	Antileishmanial activity and insights into the mechanisms of action of symmetric Au(I) benzyl and aryl-N-heterocyclic carbenes. Journal of Inorganic Biochemistry, 2022, 229, 111726.	1.5	6
2589	N-heterocyclic carbene coordinated metal nanoparticles and nanoclusters. Coordination Chemistry Reviews, 2022, 458, 214425.	9.5	52
2590	Synthesis, in vitro anticancer activity and reactions with biomolecule of gold(I)-NHC carbene complexes. Journal of Molecular Structure, 2022, 1255, 132482.	1.8	4
2591	A simple synthetic entryway into new families of NHCâ€“gold-amido complexes and their in vitro antitumor activity. Dalton Transactions, 2022, 51, 3462-3471.	1.6	8
2592	NHC and visible light-mediated photoredox co-catalyzed 1,4-sulfonylacylation of 1,3-enynes for tetrasubstituted allenyl ketones. Chemical Science, 2022, 13, 3169-3175.	3.7	44
2593	Reactions of N-heterocyclic Carbene-Based Chalcogenoureas with Halogens: A Diverse Range of Outcomes. Dalton Transactions, 2022, , .	1.6	5
2594	The bulky Pd-PEPPSI-embedded conjugated microporous polymer-catalyzed Suzukiâ€“Miyaura cross-coupling of aryl chlorides and arylboronic acids. Polymer Chemistry, 2022, 13, 1547-1558.	1.9	8
2595	Stepwise synthesis and catalysis in Câ€“S cross-coupling of pyridine-functionalized N-heterocyclic carbene nickel(<scp>ii</scp>) complexes by mechanochemistry. Dalton Transactions, 2022, 51, 4377-4385.	1.6	5

#	Article	IF	Citations
2596	Helical Chiral Nâ€Heterocyclic Carbene Ligands in Enantioselective Gold Catalysis. Chemistry - A European Journal, 2022, 28, .	1.7	11
2597	Ligand effect on the stability, reactivity, and acidity of imidazolium systems. Journal of Physical Organic Chemistry, 2023, 36, .	0.9	3
2598	Carbohydrate-substituted N-heterocyclic carbenes Palladium complexes: High efficiency catalysts for aqueous Suzukiâ€“Miyaura reaction. Carbohydrate Research, 2022, 512, 108516.	1.1	5
2599	The Mizorokiâ€Heck Reaction in Tunable Aryl Alkyl Ionic Liquids. European Journal of Organic Chemistry, 2022, 2022, .	1.2	1
2600	Activation of Small Molecules and Hydrogenation of CO2 Catalyzed by Frustrated Lewis Pairs. Catalysts, 2022, 12, 201.	1.6	19
2601	Combined Photoredox and Carbene Catalysis for the Synthesis of Î±-Amino Ketones from Carboxylic Acids. ACS Catalysis, 2022, 12, 2522-2531.	5.5	38
2602	Access to Planar Chiral Ferrocenes via N-Heterocyclic Carbene-Catalyzed Enantioselective Desymmetrization Reactions. ACS Catalysis, 2022, 12, 2706-2713.	5.5	22
2603	Single-electron carbene catalysis in redox processes. Trends in Chemistry, 2022, 4, 277-290.	4.4	61
2604	Versatile Coordination Modes of Multidentate Neutral Amine Ligands with Group 1 Metal Cations. Inorganic Chemistry, 2022, 61, 3674-3682.	1.9	9
2605	Steric and Electronic Properties of Indoleâ€Derived CAAC Ligands. European Journal of Inorganic Chemistry, 2022, 2022, .	1.0	4
2606	Combined Photoredox and Carbene Catalysis for the Synthesis of Î³â€Aryloxy Ketones. Advanced Synthesis and Catalysis, 2022, 364, 518-524.	2.1	30
2607	Alternative Synthetic Pathway to Bicarbene Pd (0) Complexes Supported by Nhc Carbene and Their Crystal Structure. SSRN Electronic Journal, 0, , .	0.4	0
2608	Electronic Structure and Bonding in N-Hetero Cyclic Carbene Stabilized Naked Group 16 Atoms â€“ In-Plane Hyperconjugation and Bond Polarity. SSRN Electronic Journal, 0, , .	0.4	0
2609	Experimental and computational tuning of metalla-N-heterocyclic carbenes at palladium(<scp>ii</scp>) and platinum(<scp>ii</scp>) centers. Dalton Transactions, 2022, 51, 6718-6734.	1.6	11
2610	Vanadium complexes with N-heterocyclic vinylidene ligands. Chemical Communications, 2022, 58, 4204-4207.	2.2	11
2611	Amidinate bromogermylene resulting from carbodiimide insertion into Arâ€“GeBr bond. Mendeleev Communications, 2022, 32, 63-65.	0.6	0
2612	Ruthenium benzylidene and benzylidyne complexes: Alkene metathesis catalysis. , 2022, , .		0
2613	The N-heterocyclic carbene-catalyzed [3 + 2] annulation of isoindigos with enals: the enantioselective construction of three contiguous stereogenic centers. Organic Chemistry Frontiers, 2022, 9, 3552-3557.	2.3	10

#	Article	IF	Citations
2614	Organometallic 3d transition metal NHC complexes in oxidation catalysis. Catalysis Science and Technology, 0, , .	2.1	14
2615	Water-soluble transition-metal complexes with hydrophilic N-heterocyclic carbene ligands for aqueous-phase applications. Advances in Organometallic Chemistry, 2022, , 169-242.	0.5	3
2616	Visible light-driven CO₂ reduction with a Ru polypyridyl complex bearing an N-heterocyclic carbene moiety. Chemical Communications, 2022, 58, 5229-5232.	2.2	7
2617	N-Heterocyclic carbene (NHC)-catalyzed oxidation of unactivated aldimines to amides via imine umpolung under aerobic conditions. RSC Advances, 2022, 12, 7621-7625.	1.7	13
2618	Unraveling differences in aluminyl and carbene coordination chemistry: bonding in gold complexes and reactivity with carbon dioxide. Chemical Science, 2022, 13, 4623-4634.	3.7	8
2619	Can a Wanzlick-like equilibrium exist between dicoordinate borylenes and diborenes?. Chemical Science, 0, , .	3.7	3
2620	Electronic and Steric Properties of N-Heterocyclic Boryl Ligands. Organometallics, 2022, 41, 627-633.	1.1	4
2621	Exceptionally stable blue phosphorescent organic light-emitting diodes. Nature Photonics, 2022, 16, 212-218.	15.6	133
2622	Cobaltâ€“N-Heterocyclic Carbene Complexes in Catalysis. ACS Catalysis, 2022, 12, 3111-3137.	5.5	33
2623	Ftalimit SÃ¼bstitÃ¼e Ag(I) NHC Komplekslerinin Sentez ve Karakterizasyonu. FÄ±rat Ãœniversitesi MÃ¼hendislik Bilimleri Dergisi, 2022, 34, 193-201.	0.2	0
2624	Diverse C-Coordination Modes of NHC-Tricyclohexylphosphonium Ylide Ligands in Palladium(II) Complexes. Organometallics, 2022, 41, 456-466.	1.1	9
2625	Synthesis and Vibrational Circular Dichroism Analysis of N-Heterocyclic Carbene Precursors Containing Remote Chirality Centers. International Journal of Molecular Sciences, 2022, 23, 3471.	1.8	4
2626	Insight into luminescent iridium complexes: Their potential in light-emitting electrochemical cells. Journal of Saudi Chemical Society, 2022, 26, 101442.	2.4	11
2627	Stereodivergent propargylic alkylation of enals via cooperative NHC and copper catalysis. Nature Communications, 2022, 13, 1344.	5.8	44
2628	An Unexpected Inactivation of N-Heterocyclic Carbene Organic Catalyst by 1-Methylcyclopropylcarbaldehyde and 2,2,2-Trifluoroacetophenone. Frontiers in Chemistry, 2022, 10, 875286.	1.8	0
2629	Progress in Organocatalytic Dearomatization Reactions Catalyzed by Nâ€Heterocyclic Carbenes. ChemCatChem, 2022, 14, .	1.8	10
2630	N-Heterocyclic Carbenes: A Powerful Catalyst for Polymerization. , 0, , .		0
2631	Asymmetric Redox Allylic Alkylation to Access 3,3â€²â€Disubstituted Oxindoles Enabled by Ni/NHC Cooperative Catalysis. Angewandte Chemie, 0, , .	1.6	2

#	Article	IF	Citations
2632	Chalcogenâ€Pnictogen Complexes of Anionic Nâ€Heterocyclic Carbenes with a Weakly Coordinating Borate Moiety. European Journal of Inorganic Chemistry, 2022, 2022, .	1.0	0
2633	NHC and NHC Complex Synthesis by Chloronium Ion Abstraction from 2â€Chloroazolium Salts Using Electronâ€Rich Phosphines. Angewandte Chemie, 0, , .	1.6	6
2634	Nâ€Heterocyclic Carbenes Carrying Weakly Coordinating Anions. Chemistry - A European Journal, 2022, 28, .	1.7	8
2635	N-Heterocyclic carbene-stabilized gold nanoparticles and luminescent quantum dots. , 2022, , .		1
2637	Carbene-Catalyzed Enantioselective Sulfonylation of Enone Aryl Aldehydes: A New Mode of Breslow Intermediate Oxidation. Journal of the American Chemical Society, 2022, 144, 5441-5449.	6.6	25
2638	The effects of heteroatom substituents on structure, stability, and electronic properties of remote N â€heterocyclic germylenes (rNHGes), at DFT. Journal of Physical Organic Chemistry, 0, , .	0.9	0
2639	New reaction pathways by integrating chemo- and biocatalysis. Trends in Chemistry, 2022, 4, 392-408.	4.4	34
2640	Dynamic Tuning of the Bandgap of CdSe Quantum Dots through Redox-Active Exciton-Delocalizing N-Heterocyclic Carbene Ligands. Journal of the American Chemical Society, 2022, 144, 4300-4304.	6.6	6
2641	Waste-Minimized Continuous-Flow Synthesis of Oxindoles Exploiting a Polymer-Supported N Heterocyclic Palladium Carbene Complex in a CPME/Water Azeotrope. ACS Sustainable Chemistry and Engineering, 2022, 10, 3766-3776.	3.2	10
2642	Formation of Breslow Intermediates from Nâ€Heterocyclic Carbenes and Aldehydes Involves Autocatalysis by the Breslow Intermediate, and a Hemiacetal. Angewandte Chemie - International Edition, 2022, 61, .	7.2	10
2643	Synthesis of Nâ€Heterocyclic Carbenes and Their Complexes by Chloronium Ion Abstraction from 2â€Chloroazolium Salts Using Electronâ€Rich Phosphines. Angewandte Chemie - International Edition, 2022, 61, .	7.2	19
2644	Imidazolium-Based N-Heterocyclic Carbenes (NHCs) and Metal-Mediated Catalysis. , 0, , .		2
2645	[18F]Difluorocarbene for positron emission tomography. Nature, 2022, 606, 102-108.	13.7	30
2646	Asymmetric Redox Allylic Alkylation to Access 3,3â€²â€Disubstituted Oxindoles Enabled by Ni/NHC Cooperative Catalysis. Angewandte Chemie - International Edition, 2022, 61, .	7.2	30
2647	Formation of Breslow Intermediates from Nâ€Heterocyclic Carbenes and Aldehydes Involves Autocatalysis by the Breslow Intermediate, and a Hemiacetal. Angewandte Chemie, 0, , .	1.6	0
2648	Novel N-Heterocyclic Carbene Silver (I) Complexes: Synthesis, Structural Characterization, Antimicrobial, Antioxidant and Cytotoxicity Potential Studies. , 0, , .		1
2649	Dearomatization of Nitro(hetero)arenes through Annulation. European Journal of Organic Chemistry, 2022, 2022, .	1.2	12
2650	Electronic structure and bonding in N-hetero cyclic carbene stabilized naked group 16 atoms â€“ In-plane hyperconjugation and bond polarity. Computational and Theoretical Chemistry, 2022, 1210, 113661.	1.1	0

#	Article	IF	Citations
2651	N-heterocyclic carbene-stabilized metal nanoparticles within porous organic cages for catalytic application. National Science Review, 2022, 9, .	4.6	18
2652	Bis(imino)acenaphthene (BIAN)-Supported N-Heterocyclic Carbene Palladium Complexes with Ancillary Ligands: Readily Activated Precatalysts for Direct Câ€“H Arylation of Thiophenes. Organometallics, 2022, 41, 948-961.	1.1	5
2653	Anomeric Stereoauxiliary Cleavage of the Câ^'N Bond of <scp>d</scp>â€Glucosamine for the Preparation of Imidazo[1,5â€a]pyridines. Chemistry - A European Journal, 2022, 28, .	1.7	10
2654	Enantioselective Seleno†Michael Addition Reactions Catalyzed by a Chiral Bifunctional Nâ€Heterocyclic Carbene with Noncovalent Activation. Angewandte Chemie, 0, , .	1.6	0
2655	Realizing the 1,1â€Dehydration of Secondary Alcohols to Carbenes: Pyrrolidinâ€2â€ols as a Source of Cyclic (Alkyl)(Amino)Carbenes. Angewandte Chemie, 0, , .	1.6	0
2656	A Benzannulation Strategy for Rapid Access to Quinazoline-2,4-diones via Oxidative N-Heterocyclic Carbene Catalysis. Organic Letters, 2022, , .	2.4	9
2657	NHCâ€Organocatalysed Hydroacylation of Unactivated or Weakly Activated Câ^'C Multiple Bonds and Ketones. Asian Journal of Organic Chemistry, 0, , .	1.3	3
2658	Enantioselective Seleno†Michael Addition Reactions Catalyzed by a Chiral Bifunctional Nâ€Heterocyclic Carbene with Noncovalent Activation. Angewandte Chemie - International Edition, 2022, 61, .	7.2	13
2659	N-Heterocyclic Carbene Complexes of Nickel(II) from Caffeine and Theophylline: Sustainable Alternative to Imidazol-2-ylidenes. Organometallics, 2022, 41, 1806-1815.	1.1	12
2660	Realizing 1,1â€Dehydration of Secondary Alcohols to Carbenes: Pyrrolidinâ€2â€ols as a Source of Cyclic (Alkyl)(Amino)Carbenes. Angewandte Chemie - International Edition, 2022, 61, .	7.2	6
2661	Structural effect of imidazolium salts on electrochemical conversion of carbon dioxide to imidazolium carboxylate. Journal of Molecular Liquids, 2022, 355, 118964.	2.3	2
2662	Combining a weak-field rigid chelating bidentate dicarbene ligand with a strong-field carbonyl ligand in binuclear cyclopentadienyliron carbonyl derivatives. Polyhedron, 2022, 219, 115778.	1.0	0
2663	Aqueous synthesis of N-heterocyclic carbene-protected gold nanoclusters with intrinsic antibacterial activity. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2022, 645, 128934.	2.3	10
2664	Formation and Cleavage of a Sbâ^'Sb Double Bond: From Carbeneâ€Coordinated Distibenes to Stibinidenes. European Journal of Inorganic Chemistry, 2022, 2022, .	1.0	6
2665	ProPhenol Derived Ligands to Simultaneously Coordinate a Mainâ€Group Metal and a Transition Metal: Application to a Znâ^'Cu Catalyzed Reaction. Chemistry - A European Journal, 2022, 28, e202104268.	1.7	10
2666	Silver(I)â€“Carbene Bond-Directed Rigidification-Induced Emissive Metallacage for Picric Acid Detection. Inorganic Chemistry, 2022, 61, 713-722.	1.9	26
2667	N-Heterocyclic Carbene Ligand Stability on Gold Nanoparticles in Biological Media. ACS Omega, 2022, 7, 1444-1451.	1.6	13
2668	Construction of Stable Metalâ€“Organic Framework Platforms Embedding N-Heterocyclic Carbene Metal Complexes for Selective Catalysis. Inorganic Chemistry, 2021, 60, 18687-18697.	1.9	3

#	Article	IF	Citations
2669	Diazapentabenzocorannulenium: A Hydrophilic/Biophilic Cationic Buckybowl. Angewandte Chemie, 2022, 134, .	1.6	10
2670	Catalytic and Biological Activity of Silver and Gold Complexes Stabilized by NHC with Hydroxy Derivatives on Nitrogen Atoms. Catalysts, 2022, 12, 18.	1.6	10
2671	Adatom mediated adsorption of <scp>Nâ€heterocyclic</scp> carbenes on Cu(111) and Au(111). Journal of Computational Chemistry, 2022, 43, 413-420.	1.5	11
2672	Synthesis, Structural Characterization, Thermogravimetric, and Molecular Modelling of Novel Mn(II), Co(II), and Ni(II) Metal Complexes Derived from New Synthesized 4,6-Diaryl-2-oxonicotinonitrile Ligand. Russian Journal of General Chemistry, 2021, 91, 2564-2580.	0.3	1
2673	Chemistry of Compounds Based on 1,2,3-Triazolylidene-Type Mesoionic Carbenes. Jacs Au, 2022, 2, 22-57.	3.6	47
2674	Rhodium and Iridium Complexes of Anionic Thione and Selone Ligands Derived from Anionic Nâ€Heterocyclic Carbenes. Chemistry - A European Journal, 2022, 28, .	1.7	7
2675	N-heterocyclic carbene-catalyzed arene formation reactions. Science China Chemistry, 2022, 65, 210-223.	4.2	37
2676	Diazapentabenzocorannulenium: A Hydrophilic/Biophilic Cationic Buckybowl. Angewandte Chemie - International Edition, 2022, 61, .	7.2	26
2677	Robust Water-Soluble Gold Nanoparticles via Polymerized Mesoionic N-Heterocyclic Carbeneâ€“Gold(I) Complexes. Chemistry of Materials, 2021, 33, 9588-9600.	3.2	17
2678	Visible-Light-Driven Bisfunctionalization of Unactivated Olefins via the Merger of Proton-Coupled Electron Transfer and Carbene Catalysis. Organic Letters, 2022, 24, 279-283.	2.4	33
2679	Cytotoxic properties of rhenium(<scp>i</scp>) tricarbonyl complexes of N-heterocyclic carbene ligands. Dalton Transactions, 2022, 51, 7630-7643.	1.6	3
2680	Nickel(<scp>ii</scp>) complexes containing tridentate ONCⁱ ligands (i = abnormal) Tj ETQq1 1 0.784314 rgBT /Overlock Dalton Transactions, 2022, 51, 6663-6672.	1.6	4
2681	Strategic design of a bifunctional Ag(<scp>i</scp>)-grafted NHC-MOF for efficient chemical fixation of CO₂ from a dilute gas under ambient conditions. Inorganic Chemistry Frontiers, 2022, 9, 2583-2593.	3.0	26
2682	Progress of Conjugated Polymers as Emerging Thermoelectric Materials. Progress in Polymer Science, 2022, 129, 101548.	11.8	66
2683	Catalytic Decomposition of Longâ€Chain Olefins to Propylene via Isomerizationâ€Metathesis Using Latent Bicyclic (Alkyl)(Amino)Carbeneâ€Ruthenium Olefin Metathesis Catalysts. Angewandte Chemie - International Edition, 2022, 61, .	7.2	16
2684	Monosubstitution of 1Hâ€imidazo[4,5â€f][1,10]phenanthroline Ligands yields Maximum Luminescence Quantum Yield in Ruthenium Polypyridyl Complexes. ChemPhotoChem, 0, , .	1.5	0
2685	Nickel Nâ€heterocyclic carbene complexes based on xanthines: Synthesis and antifungal activity on Candida sp.. Applied Organometallic Chemistry, 0, , .	1.7	4
2686	Application of Indazolin-3-ylidenes in Catalysis: Steric Tuning of Nonclassical Formally Normal N-Heterocyclic Carbenes with Dual Electronic Character for Catalysis. Organometallics, 2022, 41, 1115-1124.	1.1	11

#	Article	IF	Citations
2687	Catalytic Decomposition of Longâ€Chain Olefins to Propylene via Isomerizationâ€Metathesis Using Latent Bicyclic (Alkyl)(Amino)Carbeneâ€Ruthenium Olefin Metathesis Catalysts. Angewandte Chemie, 0, , .	1.6	0
2688	Achiral Cp*Rh(III)/Chiral Lewis Base Cooperative Catalysis for Enantioselective Cyclization via Câ€“H Activation. Journal of the American Chemical Society, 2022, 144, 7058-7065.	6.6	24
2689	Synthesis and Catalysis of NHC Coordinated Cyclometalated Palladium(II) Complexes with Bridging Hydroxide Ligands. Advanced Synthesis and Catalysis, 2022, 364, 1763-1768.	2.1	7
2690	Non-Stabilized Vinyl Anion Equivalents from Styrenes by N-Heterocyclic Carbene Catalysis and Its Use in Catalytic Nucleophilic Aromatic Substitution. Journal of the American Chemical Society, 2022, 144, 6714-6718.	6.6	17
2692	A Versatile Route To Cyclic (Alkyl)(Amino)Carbeneâ€Stabilized Stibinidenes. Zeitschrift Fur Anorganische Und Allgemeine Chemie, 2022, 648, .	0.6	12
2694	Growth of Nâ€Heterocyclic Carbene Assemblies on Cu(100) and Cu(111): From Single Molecules to Magicâ€Number Islands. Angewandte Chemie - International Edition, 2022, 61, .	7.2	13
2695	3D vs. turbostratic: controlling metalâ€“organic framework dimensionality via N-heterocyclic carbene chemistry. Chemical Science, 2022, 13, 6418-6428.	3.7	2
2696	Chapter 5. Dynamic Kinetic Resolutions Promoted by N-Heterocyclic Carbene Catalysts. RSC Catalysis Series, 2022, , 96-111.	0.1	0
2697	Forever young: the first seventy years of ferrocene. Dalton Transactions, 2022, 51, 8085-8102.	1.6	49
2698	The oxidation state in low-valent beryllium and magnesium compounds. Chemical Science, 2022, 13, 6583-6591.	3.7	25
2699	Carbene chemistry of arsenic, antimony, and bismuth: origin, evolution and future prospects. Dalton Transactions, 2022, 51, 8540-8556.	1.6	11
2701	Synthesis, structure, and properties of the Sc chloride complex coordinated by the tridentate bis(phenolate)-tethered NHC ligand. Russian Chemical Bulletin, 2022, 71, 306-313.	0.4	3
2702	A Series of Rareâ€Earth Mesoionic Carbene Complexes. Chemistry - A European Journal, 2022, , .	1.7	1
2703	Growth of Nâ€Heterocyclic Carbene Assemblies on Cu(100) and Cu(111): from Single Molecules to Magicâ€Number Islands. Angewandte Chemie, 0, , .	1.6	2
2704	Novel Au Carbene Complexes as Promising Multi-Target Agents in Breast Cancer Treatment. Pharmaceuticals, 2022, 15, 507.	1.7	16
2705	Combined Power of Organoâ€and Transition Metal Catalysis in Organic Synthesis. European Journal of Organic Chemistry, 2022, 2022, .	1.2	14
2706	Free Metallophosphines: Extremely Electronâ€Rich Phosphorus Superbases That Are Electronically and Sterically Tunable**. Angewandte Chemie, 2022, 134, .	1.6	2
2707	Asymmetric silane reduction of ketones and Î²-Keto esters catalyzed by a chiral azolium/iridium system in the presence of a base in methanol at room temperature. Results in Chemistry, 2022, 4, 100364.	0.9	3

#	Article	IF	Citations
2708	Directing group-free approaches for three-component catalytic dicarbofunctionalization of unactivated alkenes. Cell Reports Physical Science, 2022, 3, 100901.	2.8	11
2709	Plasmon-driven oxidative coupling of aniline-derivative adsorbates: A comparative study of para-ethynylaniline and para-mercaptoaniline. Journal of Chemical Physics, 2022, 156, .	1.2	3
2710	Free Metallophosphines: Extremely Electronâ€Rich Phosphorus Superbases That Are Electronically and Sterically Tunable**. Angewandte Chemie - International Edition, 2022, 61, .	7.2	8
2711	Thiazol-2-ylidenes as N-Heterocyclic carbene ligands with enhanced electrophilicity for transition metal catalysis. Communications Chemistry, 2022, 5, .	2.0	17
2712	Theoretical Insights into Enantioselective [3 + 2] Cycloaddition between Cinnamaldehyde and Cyclic N-Sulfonyl Trifluoromethylated Ketimine Catalyzed by N-Heterocyclic Carbene. Journal of Physical Chemistry A, 2022, 126, 3124-3134.	1.1	1
2713	Experimental and Theoretical Study of Ni^{II}â€•and Pd^{II}â€Promoted Double Geminal C(sp³)â^'H Bond Activation Providing Facile Access to NHC Pincer Complexes: Isolated Intermediates and Mechanism. Chemistry - A European Journal, 2022, 28, .	1.7	4
2714	Tricyanoboraneâ€Functionalized Anionic Nâ€Heterocyclic Carbenes: Adjustment of Charge and Stereoâ€Electronic Properties. Chemistry - A European Journal, 2022, 28, .	1.7	11
2715	Acyldifluoromethylation Enabled by NHC-Photoredox Cocatalysis. Organic Letters, 2022, 24, 3721-3725.	2.4	23
2716	NHC Catalyzed Î²-Carbon functionalization of carboxylic esters towards formation of Î´-Lactams: A mechanistic study. Molecular Catalysis, 2022, 524, 112311.	1.0	0
2717	Programmable selective acylation of saccharides mediated by carbene and boronic acid. CheM, 2022, 8, 1518-1534.	5.8	11
2718	N-Heterocyclic Carbene-Stabilized Hydrido Au₂₄ Nanoclusters: Synthesis, Structure, and Electrocatalytic Reduction of CO₂. Journal of the American Chemical Society, 2022, 144, 9000-9006.	6.6	74
2719	Nâ€Heterocyclic Carbene (NHC)â€Catalyzed Transformations Involving Azolium Enolates. Chemical Record, 2022, 22, e202200054.	2.9	24
2720	Surface modification with a fluorinated N-heterocyclic carbene on Au: effect on contact resistance in organic field-effect transistors. Journal of Materials Chemistry C, 2022, 10, 8589-8595.	2.7	10
2721	Pd/NHC-Controlled Regiodivergent Defluorinative Allylation of gem-Difluorocyclopropanes with Allylboronates. ACS Catalysis, 2022, 12, 6495-6505.	5.5	30
2722	Ligand-Enabled Sustainable Gold Catalysis. ACS Sustainable Chemistry and Engineering, 2022, 10, 6900-6918.	3.2	18
2723	Designing the Surface Chemistry of Inorganic Nanocrystals for Cancer Imaging and Therapy. Cancers, 2022, 14, 2456.	1.7	4
2724	Discovery of (2-(pyrrolidin-1-yl)thieno[3,2-d]pyrimidin-4-yl)(3,4,5-trimethoxyphenyl)methanone as a novel potent tubulin depolymerizing and vascular disrupting agent. European Journal of Medicinal Chemistry, 2022, 238, 114466.	2.6	8
2725	Development of a multistep, electrochemical flow platform for automated catalyst screening. Catalysis Science and Technology, 2022, 12, 4266-4272.	2.1	3

#	Article	IF	Citations
2726	Ir(<scp>iii</scp>)-catalyzed quadruple Câ€“H activation of N-arylimidazolium and diaryliodonium salts: facile access to polysubstituted imidazo[1,2-f]phenanthridiniums. Chemical Communications, 2022, 58, 7042-7045.	2.2	2
2727	Recent Advances in Enantioselective Organocatalytic Reactions Enabled by N-Heterocyclic Carbenes (NHCs) Containing Triazolium Motifs. Synthesis, 2022, 54, 4129-4166.	1.2	6
2728	Benzimidazole-based N-heterocyclic carbene silver complexes as catalysts for the formation of carbonates from carbon dioxide and epoxides. Molecular Catalysis, 2022, 526, 112369.	1.0	2
2729	Molecular Docking and in Vitro Anticancer Studies of Silver(I)-N-Heterocyclic Carbene Complexes. SSRN Electronic Journal, 0, , .	0.4	0
2730	An air-stable, well-defined palladiumâ€“BIANâ€“NHC chloro dimer: a fast-activating, highly efficient catalyst for cross-coupling. Chemical Communications, 2022, 58, 7404-7407.	2.2	4
2731	Construction of highly congested quaternary carbon centers by NHC catalysis through dearomatization. Green Synthesis and Catalysis, 2023, 4, 263-267.	3.7	4
2732	N-Heterocyclic carbene catalyzed C-acylation reaction for access to linear aminoenones. Chinese Chemical Letters, 2023, 34, 107570.	4.8	4
2733	Carbene Complexes of Neptunium. Journal of the American Chemical Society, 2022, 144, 9764-9774.	6.6	7
2734	Fluorinated Analogues of Lepidilines A and C: Synthesis and Screening of Their Anticancer and Antiviral Activity. Molecules, 2022, 27, 3524.	1.7	5
2735	Dimroth rearrangement â€œthiadiazole-triazoleâ€• synthesis and exploration of 3-sulfanyl-1,2,4-triazolium salts as NHC-proligands. Russian Chemical Bulletin, 2022, 71, 993-1008.	0.4	4
2736	Mesoionic Carbene Complexes of Uranium(IV) and Thorium(IV). Organometallics, 2022, 41, 1353-1363.	1.1	2
2737	Carbene and photocatalyst-catalyzed decarboxylative radical coupling of carboxylic acids and acyl imidazoles to form ketones. Nature Communications, 2022, 13, .	5.8	53
2738	The importance of fourâ€•membered NHCs in stabilizing Breslow intermediates on benzoin condensation pathway. Journal of Computational Chemistry, 0, , .	1.5	0
2739	Synthesis of Highly Congested Tertiary Alcohols via the [3,3] Radical Deconstruction of Breslow Intermediates. Organic Letters, 2022, 24, 4275-4280.	2.4	3
2740	(CAAC)Copper Catalysis Enables Regioselective Three-Component Carboboration of Terminal Alkynes. ACS Catalysis, 2022, 12, 7243-7247.	5.5	21
2741	Regioselective Syntheses of Imidazo[4,5-b]pyrazin-2-ylidene-Based Chelates and Blue Emissive Iridium(III) Phosphors for Solution-Processed OLEDs. Inorganic Chemistry, 2022, 61, 8797-8805.	1.9	22
2743	Synthesis and reactivity of low-oxidation-state alkaline earth metal complexes. , 2022, 1, 439-448.		27
2744	Cyclic (amino)(barrelene)carbenes: an original family of CAACs through a novel synthetic pathway. Chemical Communications, 2022, 58, 7519-7521.	2.2	6

#	Article	IF	Citations
2745	Evaluating the thermal behaviour of benzimidazolylidene sources for thin-film applications. Materials Advances, 0, , .	2.6	0
2746	Bimetallic Pd^{II} complexes with NHC/Py/PCy₃ donor set ligands: applications in Î±-arylation, Suzukiâ€“Miyaura and Sonogashira coupling reactions. New Journal of Chemistry, 2022, 46, 13075-13081.	1.4	7
2747	Cyclic (alkyl)(amino)carbene (CAAC) ligands: Electronic structure and application as chemically- and redox-non-innocent ligands and chromophores. Advances in Organometallic Chemistry, 2022, , 79-132.	0.5	4
2748	Crystalline monometal-substituted free carbenes. CheM, 2022, 8, 2278-2289.	5.8	15
2749	Carbeneâ€Catalyzed Activation of Câ€Si Bonds for Chemoâ€•and Enantioselective Cross Brookâ€Benzoin Reaction. Angewandte Chemie, 0, , .	1.6	0
2750	Mesoionic carbene-catalyzed arylacylation of alkenes. Trends in Chemistry, 2022, 4, 852-853.	4.4	0
2751	Reactivityâ€Tunable Palladium Precatalysts with Favorable Catalytic Properties in Suzukiâ€“Miyaura Crossâ€Coupling Reactions. ChemCatChem, 2022, 14, .	1.8	1
2752	Construction of N-Polyheterocycles by N-Heterocyclic Carbene Catalysis via a Regioselective Intramolecular Radical Addition/Cyclization Cascade. Organic Letters, 2022, 24, 4615-4619.	2.4	10
2753	Construction of Tetrasubstituted Silicon-Stereogenic Silanes via Conformational Isomerization and N-Heterocyclic Carbene-Catalyzed Desymmetrization. ACS Catalysis, 2022, 12, 7781-7788.	5.5	19
2754	Accessing Diverse Cross-Benzoin and Î±-Siloxy Ketone Products via Acyl Substitution Chemistry. Journal of Organic Chemistry, 2022, 87, 9408-9413.	1.7	1
2755	Current Developments of N-Heterocyclic Carbene Au(I)/Au(III) Complexes toward Cancer Treatment. Biomedicines, 2022, 10, 1417.	1.4	11
2756	Redox-Switchable Behavior of Transition-Metal Complexes Supported by Amino-Decorated N-Heterocyclic Carbenes. Molecules, 2022, 27, 3776.	1.7	2
2757	Carbeneâ€Catalyzed Activation of Câˆ’Si Bonds for Chemoâ€•and Enantioselective Cross Brookâ€“Benzoin Reaction. Angewandte Chemie - International Edition, 2022, 61, .	7.2	8
2758	Transition-metal-catalyzed reactions promoted by cyclic (alkyl or aryl)(amino)carbene ligands. CheM, 2022, 8, 2082-2113.	5.8	9
2759	Metal-Catalysed A3 Coupling Methodologies: Classification and Visualisation. Catalysts, 2022, 12, 660.	1.6	13
2760	Free Nâ€heterocyclic carbenes from BrÃ¸nsted acidic ionic liquids: Direct detection by electrospray ionization mass spectrometry. Rapid Communications in Mass Spectrometry, 2022, 36, .	0.7	4
2761	Addition of aliphatic, secondary amines to coordinated isonitriles. N-acyclic carbene (NAC) platinum(II) complexes from trans-[Pt(Î¼-Cl)Cl(PPh3)]2. Inorganica Chimica Acta, 2022, 540, 121062.	1.2	3
2762	Convenient synthesis of tricyclic N(1)â€“C(2)-fused oxazino-indolones via [Au(<scp>i</scp>)] catalyzed hydrocarboxylation of allenes. Chemical Communications, 2022, 58, 8698-8701.	2.2	4

#	Article	IF	Citations
2763	1,3-Dipolar cycloaddition of azomethine ylides and imidoyl halides for synthesis of Ï€-extended imidazolium salts. Organic Chemistry Frontiers, 2022, 9, 4128-4134.	2.3	5
2764	Recent advances in CO₂ capture and reduction. Nanoscale, 2022, 14, 11869-11891.	2.8	30
2765	Radical transformations for allene synthesis. Chemical Science, 2022, 13, 8491-8506.	3.7	38
2766	Silylene coordinated coinage metal complexes: An itinerary of their utilities. Advances in Inorganic Chemistry, 2022, , .	0.4	1
2767	Chiral oxazolidines acting as transient hydroxyalkyl-functionalized N-heterocyclic carbenes: an efficient route to air stable copper and gold complexes for asymmetric catalysis. Chemical Science, 0, , .	3.7	4
2768	Recent developments on NHC-driven dual catalytic approaches. Organic Chemistry Frontiers, 2022, 9, 5016-5040.	2.3	14
2769	An umpolung strategy for intermolecular [2 + 2 + 1] cycloaddition of aryl aldehydes and nitriles: a facile access to 2,4,5-trisubstituted oxazoles. Chemical Science, 2022, 13, 8080-8087.	3.7	2
2770	Palladacyclic N-heterocyclic carbene precatalysts for transition metal catalysis. Green Synthesis and Catalysis, 2022, 3, 327-338.	3.7	16
2771	Persistent Radicals Derived from N-Heterocyclic Carbenes for Material Applications. Accounts of Chemical Research, 2022, 55, 2213-2223.	7.6	23
2772	Î²â€Aminosulfonyl Fluorides via Waterâ€Accelerated Nâ€Heterocyclic Carbene Catalysis. ChemSusChem, 2022, 15, .	3.6	4
2773	A CO₂â€Masked Carbene Functionalized Covalent Organic Framework for Highly Efficient Carbon Dioxide Conversion. Angewandte Chemie - International Edition, 2022, 61, .	7.2	41
2774	HFIP in Organic Synthesis. Chemical Reviews, 2022, 122, 12544-12747.	23.0	157
2775	Low-Valent Cobalt(I) CNC Pincer Complexes as Catalysts for Light-Driven Carbon Dioxide Reduction. ACS Catalysis, 2022, 12, 8718-8728.	5.5	8
2776	Different Oxidative Addition Mechanisms for 12- and 14-Electron Palladium(0) Explain Ligand-Controlled Divergent Site Selectivity. ACS Catalysis, 2022, 12, 8822-8828.	5.5	13
2777	Electroredox carbene organocatalysis with iodide as promoter. Nature Communications, 2022, 13, .	5.8	12
2778	A CO₂â€Masked Carbene Functionalized Covalent Organic Framework for Highly Efficient Carbon Dioxide Conversion. Angewandte Chemie, 2022, 134, .	1.6	9
2779	Synthesis of Pd^{II} Triazolylidene Complexes via an Unusual C_{sp2}â€C_{sp2} Decoupling Reaction: Applications in Î±â€Arylation of Amide and Suzukiâ€Miyaura Coupling Reactions. ChemistrySelect, 2022, 7, .	0.7	3
2780	Cytotoxicity of asymmetric mononuclear silver(I)-N-heterocyclic carbene complexes against human cervical cancer: Synthesis, crystal structure, DFT calculations and effect of substituents. Journal of Organometallic Chemistry, 2022, 976, 122439.	0.8	5

#	Article	IF	Citations
2781	pâ€TSAâ€Mediated Fourâ€Component Reaction: Oneâ€Step Access to Mesoionic 1Hâ€midazolâ€3â€ium€4â€olates, Direct NHC Precursors. Advanced Synthesis and Catalysis, 2022, 364, 2996-3003.	2.1	1
2782	Mass spectrometry in organic and bioâ€organic catalysis: Using thermochemical properties to lend insight into mechanism. Mass Spectrometry Reviews, 2023, 42, 1965-1983.	2.8	0
2783	A DFT study on the mechanism and regioselectivity of NHC-catalyzed double acylation of aromatic 1,2-diketones with Î±,Î²-unsaturated ketones. New Journal of Chemistry, 2022, 46, 17026-17031.	1.4	3
2784	Stereoselective Access to Silicon-Stereogenic Silacycles via the Carbene-Catalyzed Desymmetric Benzoin Reaction of Siladials. ACS Catalysis, 2022, 12, 9864-9871.	5.5	18
2785	Assembly of versatile fluorine-containing structures via N-heterocyclic carbene organocatalysis. Science China Chemistry, 2022, 65, 1691-1703.	4.2	17
2786	Kinetic Resolution Approach to the Synthesis of Câ€“N Axially ChiralN-Aryl Aminomaleimides via NHC-Catalyzed [3 + 3] Annulation. Organic Letters, 2022, 24, 5456-5461.	2.4	18
2787	Torsional Strainâ€Independent Catalytic Enantioselective Synthesis of Biaryl Atropisomers. Angewandte Chemie - International Edition, 2022, 61, .	7.2	12
2788	N-Heterocyclic Carbene Modified Palladium Catalysts for the Direct Synthesis of Hydrogen Peroxide. Journal of the American Chemical Society, 2022, 144, 15431-15436.	6.6	17
2789	Synthesis and Properties of Pyridine-Fused Triazolylideneâ€“Palladium: Catalyst for Cross-Coupling Using Chloroarenes and Nitroarenes. Journal of Organic Chemistry, 2022, 87, 11909-11918.	1.7	4
2790	Visible lightâ€induced catalytic hydrosilylation of ketones mediated by manganese NHC complexes. Applied Organometallic Chemistry, 0, , .	1.7	5
2791	Chalcogen bond-guided conformational isomerization enables catalytic dynamic kinetic resolution of sulfoxides. Nature Communications, 2022, 13, .	5.8	19
2792	Pdâ€“PEPPSI N-Heterocyclic Carbene Complexes from Caffeine: Application in Suzuki, Heck, and Sonogashira Reactions. Organometallics, 2022, 41, 2281-2290.	1.1	17
2793	N-Heterocyclic carbene-based C-centered Au(I)-Ag(I) clusters with intense phosphorescence and organelle-selective translocation in cells. Nature Communications, 2022, 13, .	5.8	19
2795	Redox-Neutral Generation of Iminyl Radicals by N-Heterocyclic Carbene Catalysis: Rapid Access to Phenanthridines from Vinyl Azides. Organic Letters, 2022, 24, 5913-5917.	2.4	14
2796	Torsional Strainâ€Independent Catalytic Enantioselective Synthesis of Biaryl Atropisomers. Angewandte Chemie, 2022, 134, .	1.6	2
2797	Cooperative NHC/Photoredox Catalysis: Three Component Radical Coupling of Aroyl Fluorides, Styrenes and Alcohols. Advanced Synthesis and Catalysis, 2022, 364, 3348-3353.	2.1	17
2798	Molecular docking and in vitro anticancer studies of silver(I)-N-heterocyclic carbene complexes. Heliyon, 2022, 8, e10133.	1.4	9
2799	Sonogashira Cross-Coupling of Aryl Ammonium Salts by Selective Câ€“N Activation Catalyzed by Air- and Moisture-Stable, Highly Active [Pd(NHC)(3-CF₃-An)Cl₂] (An = Aniline) Precatalysts. Organic Letters, 2022, 24, 6310-6315.	2.4	14

#	Article	IF	Citations
2800	One Pot Synthesis of 1,2â€Disubstituted Ethanones by Baseâ€Mediated Reductive Homocoupling of Aldehydes. Advanced Synthesis and Catalysis, 2022, 364, 2951-2956.	2.1	2
2801	C2-Symmetric N-Heterocyclic Carbenes in Asymmetric Transition-Metal Catalysis. Symmetry, 2022, 14, 1615.	1.1	2
2802	N-Heterocyclic Carbene-Catalyzed Umpolung of Cyclopent-4-ene-1,3-diones for Activated Olefinâ€“Isatin Cross-Coupling. Organic Letters, 2022, 24, 6066-6071.	2.4	4
2803	NHC-catalyzed [3Â+Â4] annulation between 2-dromoenal and aryl 1,2-diamine: Insights into mechanisms, chemo and stereoselectivities. Molecular Catalysis, 2022, 530, 112604.	1.0	1
2804	Luminescence color tuning of the four-coordinate N-heterocyclic carbene (NHC) copper(I) complexes with imidazolylidene ligand functionalized by thiazole/benzoxazole moiety. Journal of Organometallic Chemistry, 2022, 977, 122469.	0.8	1
2805	Antimony(III)-selenium complexes with synergetic effect between Sb Se bond and Sbâ‹¯Ï€ interactions. Polyhedron, 2022, 225, 116069.	1.0	0
2806	Electrochemical polymerisation of newly synthesised 3,4-ethylene dioxythiophene-N-heterocyclic carbene iron complexes and application as redox mediators. Inorganica Chimica Acta, 2022, 542, 121138.	1.2	0
2807	Upgrading of furfural to C10 furoin catalyzed by diimidazole ionic liquids. Fuel Processing Technology, 2022, 237, 107471.	3.7	4
2808	Electrochemically promoted N-heterocyclic carbene polymer-catalyzed cycloaddition of aldehyde with isocyanide acetate. Science China Chemistry, 2022, 65, 1873-1878.	4.2	42
2809	A platform for blue-luminescent carbon-centered radicals. Nature Communications, 2022, 13, .	5.8	21
2810	Atroposelective Access to 1,3â€Oxazepineâ€Containing Bridged Biaryls via Carbeneâ€Catalyzed Desymmetrization of Imines. Angewandte Chemie - International Edition, 2023, 62, .	7.2	16
2811	Investigating intermediates in the CCCâ€“NHC pincer ligand metalation/transmetalation to Rh sequence, an improved stoichiometric synthesis of CCCâ€“NHC pincer Rh complexes. Journal of Organometallic Chemistry, 2022, 979, 122499.	0.8	3
2812	An N-heterocyclic carbene iridium(III) complex as a potent anti-cancer stem cell therapeutic. Chemico-Biological Interactions, 2022, 367, 110167.	1.7	3
2813	Helicenic N-heterocyclic carbene copper(<scp>i</scp>) complex displaying circularly polarized blue fluorescence. Dalton Transactions, 0, , .	1.6	3
2814	A crystalline cyclic (alkyl)(amino)carbene with a 1,1â€²-ferrocenylene backbone. Chemical Communications, 2022, 58, 10396-10399.	2.2	2
2815	[(Flu)-(CH₂)₂-(NHC)-CH₂-(NHC)-(CH₂)₂-(Flu)]^{2â¯}: an â€˜all-organicâ€™ hybrid and flexible ligand that enwraps a Ca²⁺pseudo-tetrahedrally. Chemical Communications, 2022, 58, 12188-12191.	2.2	1
2816	Well-defined, air- and moisture-stable palladiumâ€“imidazo[1,5-a]pyridin-3-ylidene complexes: a versatile catalyst platform for cross-coupling reactions by L-shaped NHC ligands. Catalysis Science and Technology, 2022, 12, 6581-6589.	2.1	8
2817	Hydrolytic dehydrogenation of ammonia borane in neat water using recyclable zeolite-supported cyclic alkyl amino carbene (CAAC)â€“Ru catalysts. New Journal of Chemistry, 2022, 46, 16309-16316.	1.4	4

#	Article	IF	Citations
2818	Prediction on chemoselectivity for selected organocatalytic reactions by the DFT version of the HÃ¼ckel-defined free valence index. Catalysis Science and Technology, 2022, 12, 6486-6494.	2.1	2
2819	Fusing 10-vertex closo-carborane anions with N-heterocyclic carbenes. Chemical Communications, 2022, 58, 10580-10582.	2.2	1
2820	Polycarbene-bearing membrane surface containing silver species for size and charge selective molecular separation. Environmental Science: Water Research and Technology, 2022, 8, 2381-2397.	1.2	0
2821	Crystalline phosphino(silyl)carbenes that readily form transition metal complexes. Chemical Communications, 2022, 58, 11831-11834.	2.2	1
2822	CsPbBr₃ perovskite quantum dots as a visible light photocatalyst for cyclisation of diamines and amino alcohols: an efficient approach to synthesize imidazolidines, fused-imidazolidines and oxazolidines. Catalysis Science and Technology, 2022, 12, 5891-5898.	2.1	3
2823	Dynamic kinetic resolution of Î³,Î³-disubstituted indole 2-carboxaldehydes via NHC-Lewis acid cooperative catalysis for the synthesis of tetracyclic Îµ-lactones. Chemical Science, 0, , .	3.7	5
2824	Stereoselective synthesis of chiral sultam-fused dihydropyridinones via photopromoted NHC catalyzed [4 + 2] annulation. Organic Chemistry Frontiers, 2022, 9, 5191-5196.	2.3	8
2825	The first synthesis of an isocyanide-functionalized imidazolium salt and transition metal complexes thereof. Dalton Transactions, 2022, 51, 13199-13203.	1.6	0
2826	Tailoring the pore chemistry in porous aromatic frameworks for selective separation of acetylene from ethylene. Chemical Science, 2022, 13, 11126-11131.	3.7	14
2827	Quantum Tunneling in Computational Catalysis and Kinetics: Is it Really Important?. , 2024, , 713-734.		1
2828	Metal/catalyst-free sequential Câ€“N bond forming cascades at room temperature: environment-friendly one-pot synthesis of 5-aminoimidazoles from aryl glyoxals, anilines, and amidines. Green Chemistry, 2022, 24, 6501-6510.	4.6	0
2829	The first macrocyclic abnormally coordinating tetra-1,2,3-triazole-5-ylidene iron complex: a promising candidate for olefin epoxidation. Dalton Transactions, 2022, 51, 13591-13595.	1.6	6
2830	Trivalent rare-earth metal cyclic (alkyl)(amino)carbene complexes. Dalton Transactions, 2022, 51, 15873-15882.	1.6	1
2831	What It Takes for Imidazolium Cations to Promote Electrochemical Reduction of CO₂. ACS Energy Letters, 2022, 7, 3439-3446.	8.8	12
2832	Synthesis, characterization, in vitro antibacterial, and anticancer studies of Ag(I)-N-heterocyclic carbene (NHC) complexes. Chemical Papers, 2023, 77, 423-435.	1.0	9
2833	Antimicrobial and antibiofilm activities and bovine serum albumin binding properties of benzimidazolium derivative NHC salts and their Ag(I)â€NHC complexes. Applied Organometallic Chemistry, 2022, 36, .	1.7	11
2834	Carbodicarbenes and Striking Redox Transitions of their Conjugate Acids: Influence of NHC versus CAAC as Donor Substituents. Chemistry - A European Journal, 2023, 29, .	1.7	6
2835	Design, Synthesis, Characterization and Catalytic Activity in Direct Arylation Reaction of the Benzimidazole-Functionalized PEPPSI-type Pd(II)NHC Complexes bearing 4-Vynylbenzyl Group. European Journal of Science and Technology, 0, , .	0.5	0

#	Article	IF	Citations
2836	Unveiling the Potential of Innovative Gold(I) and Silver(I) Selenourea Complexes as Anticancer Agents Targeting TrxR and Cellular Redox Homeostasis. Chemistry - A European Journal, 2022, 28, .	1.7	4
2837	Applications of quinoxalineâ€bridged bis(benzimidazolium) salts as ligand sources for the palladiumâ€catalyzed Suzuki and Heck crossâ€coupling reactions in an aqueous medium. Journal of the Chinese Chemical Society, 0, , .	0.8	0
2838	Biological Activity of NHC-Gold-Alkynyl Complexes Derived from 3-Hydroxyflavones. Pharmaceutics, 2022, 14, 2064.	2.0	5
2839	Fused Polycyclic NHC Ligands in Gold Catalysis: Recent Advances. Israel Journal of Chemistry, 2023, 63, .	1.0	3
2840	On the Coexistence of the Carbeneâ‹¯H-D Hydrogen Bond and Other Accompanying Interactions in Forty Dimers of N-Heterocyclic-Carbenes (I, IMe2, IiPr2, ItBu2, IMes2, IDipp2, IAd2; I = imidazol-2-ylidene) and Some Fundamental Proton Donors (HF, HCN, H2O, MeOH, NH3). Molecules, 2022, 27, 5712.	1.7	6
2841	N-heterocyclic carbene-catalyzed atroposelective synthesis of axially chiral 5-aryl 2-pyrones from enals. Science China Chemistry, 2022, 65, 1953-1961.	4.2	17
2842	Highly cytotoxic palladium(ii) complexes with 1,2,4-triazole-derived carbene ligands. Mendeleev Communications, 2022, 32, 594-596.	0.6	2
2843	Synthesis and characterization of Ni(0) complexes supported by an unsymmetric C,N ligand. Journal of Coordination Chemistry, 2022, 75, 1841-1852.	0.8	1
2844	Synthesis, Crystal Structure Determination and Electrochemistry of Homoleptic Pd(0) Complexes Supported by Normal and Abnormal N-Heterocyclic Carbene Ligands. Journal of Chemical Crystallography, 0, , .	0.5	0
2845	Atroposelective Access to 1,3â€Oxazepineâ€Containing Bridged Biaryls via Carbeneâ€Catalyzed Desymmetrization of Imines. Angewandte Chemie, 2023, 135, .	1.6	0
2846	Bending Ferrocenes with Low Coordinated Bridging Units: The Investigation of Carbenes and Their Analogues with a Ferrocenophane Backbone. Organometallics, 2022, 41, 2551-2561.	1.1	2
2847	Sequential One-Pot Carbene-Catalyzed Intramolecular Stetter Reaction and Acid-Mediated Condensation: Access to Heteroatom Analogues of Ï€-Extended Polyaromatic Hydrocarbons. Organic Letters, 2022, 24, 6930-6935.	2.4	6
2848	Covalent Adsorption of N-Heterocyclic Carbenes on a Copper Oxide Surface. Journal of the American Chemical Society, 2022, 144, 16267-16271.	6.6	14
2849	[Ni(Np[#])(Î·⁵-Cp)Cl]: Flexible, Sterically Bulky, Well-Defined, Highly Reactive Complex for Nickel-Catalyzed Cross-Coupling. Organometallics, 2022, 41, 2597-2604.	1.1	1
2850	Activation of Geâ^'H and Snâ^'H Bonds with Nâ€Heterocyclic Carbenes and a Cyclic (Alkyl)(amino)carbene. Chemistry - A European Journal, 2023, 29, .	1.7	5
2851	Photoredox cooperative N-heterocyclic carbene/palladium-catalysed alkylacylation of alkenes. Nature Communications, 2022, 13, .	5.8	31
2852	Intermolecular hydrogen bonding in N-methyl-Nâ€²-(pyridin-2-yl)benzene-1,2-diamine. Acta Crystallographica Section E: Crystallographic Communications, 2022, 78, 1048-1051.	0.2	0
2853	Enantioselective Cyclopropanation Catalyzed by Gold(I)-Carbene Complexes. Molecules, 2022, 27, 5805.	1.7	0

#	Article	IF	Citations
2854	Oxidative Radical NHC Catalysis: Divergent Difunctionalization of Olefins through Intermolecular Hydrogen Atom Transfer. Angewandte Chemie - International Edition, 2022, 61, .	7.2	30
2855	Nâ€Heterocyclic Carbenes: Molecular Porters of Surface Mounted Ruâ€Porphyrins. Angewandte Chemie, 2022, 134, .	1.6	1
2856	Nâ€Heterocyclic Carbenes: Molecular Porters of Surface Mounted Ruâ€Porphyrins. Angewandte Chemie - International Edition, 2022, 61, .	7.2	4
2857	Oxidative Nâ€Heterocyclic Carbene Catalysis. Chemistry - A European Journal, 2023, 29, .	1.7	20
2858	Recent progress in transition metal complexes supported by multidentate ligands featuring group 13 and 14 elements as coordinating atoms. Coordination Chemistry Reviews, 2022, 473, 214837.	9.5	21
2859	Oxidative Radical NHC Catalysis: Divergent Difunctionalization of Olefins through Intermolecular Hydrogen Atom Transfer. Angewandte Chemie, 2022, 134, .	1.6	1
2860	Nâ€Heterocyclic carbeneâ€catalyzed Atroposelective Annulation for Access to Pyrrolo[3,4â€b]pyridines Derivatives with Câ^'N Axial Chirality. Asian Journal of Organic Chemistry, 2022, 11, .	1.3	4
2863	Antioxidant activity, enzyme inhibition, electrochemical and theoretical evaluation of novel PEPPSI type N-heterocyclic carbene complexes. Inorganic Chemistry Communication, 2022, 145, 110028.	1.8	5
2864	Ad aurum: tunable transfer of N-heterocyclic carbene complexes to gold surfaces. Inorganic Chemistry Frontiers, 2022, 9, 6279-6287.	3.0	8
2865	Mechanism of [3+2] Annulations between Indole-2-formaldehydes and Isatins Mediated by N-Heterocyclic Carbene: A DFT Study. New Journal of Chemistry, 0, , .	1.4	0
2866	Recent Progress on Chan-Lam Coupling Reactions Catalyzed by Copper(II) Complexes. Chinese Journal of Organic Chemistry, 2022, 42, 2640.	0.6	1
2867	Carbene catalyzed C(sp³)â€“Cl activation of chlorinated solvents for benzyne chlorination. Organic Chemistry Frontiers, 2022, 9, 6624-6630.	2.3	1
2868	OSCAR: an extensive repository of chemically and functionally diverse organocatalysts. Chemical Science, 2022, 13, 13782-13794.	3.7	11
2869	Dinuclear Pd ^{II} complexes bearing mixed NHC/Py/PPh ₃ donor set ligands: Catalytic applications and electrochemical investigations. Applied Organometallic Chemistry, 0, , .	1.7	3
2870	Highly Luminescent NHC-Stabilized Au₁₃ Clusters as Efficient Excited-State Electron Donors. Journal of Physical Chemistry C, 2022, 126, 18374-18382.	1.5	6
2871	Mesoionic Nâ€Heterocyclic Imines as Super Nucleophiles in Catalytic Coupling of Amides by CO2. Angewandte Chemie, 0, , .	1.6	1
2872	Mesoionic Nâ€Heterocyclic Imines as Super Nucleophiles in Catalytic Couplings of Amides with CO₂. Angewandte Chemie - International Edition, 2022, 61, .	7.2	8
2874	Construction of Non-Biaryl Atropisomeric Amide Scaffolds Bearing a Câ€“N Axis via Enantioselective Catalysis. Molecules, 2022, 27, 6583.	1.7	13

#	Article	IF	Citations
2875	Luminescent Complexes of Platinum, Iridium, and Coinage Metals Containing N-Heterocyclic Carbene Ligands: Design, Structural Diversity, and Photophysical Properties. Chemical Reviews, 2023, 123, 230-270.	23.0	47
2876	N-Heterocyclic Carbene-Mediated Carbonâ€“Sulfur Bond-Forming Reactions. ACS Sustainable Chemistry and Engineering, 2022, 10, 13901-13916.	3.2	6
2877	Îµ-Benzylation via Cooperative Photoredox and N-Heterocyclic Carbene Catalysis. Journal of Organic Chemistry, 2022, 87, 14970-14974.	1.7	10
2878	Bis(N-cyclopropenio)-imidazol-2-ylidene: An N-Heterocyclic Carbene Bearing Two N-Cationic Substituents. Organometallics, 2022, 41, 2868-2878.	1.1	3
2879	Divergent Construction of Heterocycles by SOMOphilic Isocyanide Insertion under N-Heterocyclic Carbene Catalysis. Organic Letters, 2022, 24, 7654-7658.	2.4	9
2880	Synthesis, Structure, and Hydroboration Reactivity of Anionic Nickel(0) Complexes Supported by Bidentate NHC-Pyridone Ligands. Organometallics, 2022, 41, 3014-3023.	1.1	11
2881	Impact of Coordination Mode and Ferrocene Functionalization on the Anticancer Activity of N-Heterocyclic Carbene Half-Sandwich Complexes. Inorganic Chemistry, 2022, 61, 17226-17241.	1.9	4
2882	N-Heterocyclic Carbene Catalyzed Three-Component Reaction for the Synthesis of Multi-substituted Benzenes. Organic Letters, 2022, 24, 7747-7751.	2.4	3
2883	Dinuclear silver(I)â€•and gold(I)â€•N heterocyclic carbene complexes; Synthesis, structural characterizations, photoluminescence and theoretical studies. Journal of Molecular Structure, 2023, 1274, 134430.	1.8	1
2884	How to Stabilize Carbenes in Enzyme Active Sites without Metal Ions. Journal of the American Chemical Society, 2022, 144, 20739-20751.	6.6	5
2885	N,S-heterocyclic carbene containing benzothiazol-2-ylidene-Ru(II) and Pd(II) new complexes functionalized with butyl linked carbazole moiety: Synthesis, characterization and their catalytic efficiency and electropolymerizations. European Polymer Journal, 2022, 181, 111630.	2.6	3
2886	Complexes featuring tridentate iminophosphorane ligands: Synthesis, reactivity, and catalysis. Coordination Chemistry Reviews, 2023, 474, 214845.	9.5	8
2887	Application of frustrated Lewis pairs in small molecule activation and associated transformations. , 2023, , 387-410.		0
2888	Electronic, steric and catalytic properties of N-heterocyclic carbene rhodium(<scp>i</scp>) complexes linked to (metallo)porphyrins. Chemical Communications, 2022, 58, 13270-13273.	2.2	3
2889	Fundamentals and applications of N-heterocyclic carbene functionalized gold surfaces and nanoparticles. Chemical Communications, 2022, 58, 13188-13197.	2.2	22
2890	Direct arylation reaction catalyzed by a PEPPSI-type palladium complex with an amido-functionalized triazole-based mesoionic carbene ligand. Dalton Transactions, 2022, 51, 18264-18276.	1.6	3
2891	CAACâ€“IPr*: easily accessible, highly sterically-hindered cyclic (alkyl)(amino)carbenes. Chemical Communications, 2022, 58, 13467-13470.	2.2	8
2892	Functionalized imidazolium salt: an efficient catalyst for Buchwaldâ€“Hartwig type Câ€“N cross-coupling of (hetero)aryl chlorides/bromides with amines under solvent-, inert gas-, and base-free ambience. New Journal of Chemistry, 2022, 46, 22841-22848.	1.4	3

#	Article	IF	Citations
2893	Oxidant Free Synthesis of Î±-Pyrones via NHC-Catalyzed [3+3] Annulation of Bromoenals with 2-Chloro-1,3-diketones. Organic and Biomolecular Chemistry, 0, , .	1.5	4
2894	Exploring Molecular Complexity by Nâ€Heterocyclic Carbene Organocatalysis: New Activation and Reaction Diversity. Chemical Record, 2023, 23, .	2.9	7
2895	Speciation and Structures in Pt Surface Sites Stabilized by N-Heterocyclic Carbene Ligands Revealed by Dynamic Nuclear Polarization Enhanced Indirectly Detected ¹⁹⁵Pt NMR Spectroscopic Signatures and Fingerprint Analysis. Journal of the American Chemical Society, 2022, 144, 21530-21543.	6.6	11
2896	Heterocyclic Phosphenium Cations and Their Divergent Coordination Chemistry. Inorganic Chemistry, 2022, 61, 18719-18728.	1.9	3
2897	Luminescent Crystalline Carbonâ€and Nitrogenâ€Centered Organic Radicals Based on Nâ€Heterocyclic Carbeneâ€Triphenylamine Hybrids. Chemistry - A European Journal, 2023, 29, .	1.7	5
2898	5â€Sulfurated Imidazo[1,5â€a]Pyridinâ€3â€ylidenes: Ligands for Ïâ€Acidic Catalysts. Israel Journal of Chemistry, 2023, 63, .	1.0	0
2899	Oxidative addition of 8-bromo-9-ethyl-1,N6-ethenoadenine to d10 metals. Inorganica Chimica Acta, 2022, , 121291.	1.2	0
2900	Multicomponent synthesis of Î±-chloro alkylboronic esters via visible-light-mediated dual catalysis. CheM, 2023, 9, 216-226.	5.8	15
2901	N-Heterocyclic Carbene Gold Complexes in a Photocatalytic CO₂ Reduction Reaction. Inorganic Chemistry, 2022, 61, 18802-18809.	1.9	8
2904	A General Câ€“N Cross-Coupling to Synthesize Heteroaryl Amines Using a Palladacyclic N-Heterocyclic Carbene Precatalyst. Organic Letters, 2022, 24, 8688-8693.	2.4	5
2905	Manipulation of N-heterocyclic carbene reactivity with practical oriented electric fields. Physical Chemistry Chemical Physics, 2022, 25, 375-383.	1.3	3
2906	[2+2] Cycloadditions. , 2022, , .		0
2907	N-heterocyclic carbene ligands with a bicyclic framework fused with either naphthalene or anthracene. Journal of Organometallic Chemistry, 2023, 984, 122576.	0.8	0
2908	Carbohydrate-based N-heterocyclic carbene-metal complexes: a new avenue for sustainable catalysts in organic transformations. New Journal of Chemistry, 0, , .	1.4	1
2909	Anion effect on enantioselective oxidative NHC catalysis: highly efficient kinetic resolution of tertiary alcohols and beyond. Organic Chemistry Frontiers, 2023, 10, 416-421.	2.3	5
2910	Synthesis, characterization and in vitro cytotoxicity of Au(I) carbene complexes. Inorganic Chemistry Communication, 2023, 148, 110351.	1.8	5
2911	Coordination Versatility of NHC-metal Topologies in Asymmetric Catalysis: Synthetic Insights and Recent Trends. Coordination Chemistry Reviews, 2023, 478, 214922.	9.5	10
2912	Enhanced activity of bulky N-heterocyclic carbenes in nickelâ€“NHC catalyzed Kumadaâ€“Corriu cross-coupling of aryl tosylates. Catalysis Science and Technology, 2022, 12, 7275-7280.	2.1	0

#	Article	IF	Citations
2913	Amide Functionalized Pyridine/Pyrimidine Chelating N-Heterocyclic Carbene Palladium Complexes: Synthesis, Structure, and Catalysis for C-5 Arylation of Imidazoles. Chinese Journal of Organic Chemistry, 2022, 42, 3747.	0.6	0
2914	Enantioselective Synthesis of Dihydrothiopyranones via NHC-Catalyzed [3 + 3] Annulation of 2-Bromoenals with Î²-Oxodithioesters. Organic Letters, 2022, 24, 8848-8853.	2.4	10
2915	Nature of Beryllium, Magnesium, and Zinc Bonds in Carbeneâ‹¯MX2 (M = Be, Mg, Zn; X = H, Br) Dimers Revealed by the IQA, ETS-NOCV and LED Methods. International Journal of Molecular Sciences, 2022, 23, 14668.	1.8	2
2916	Synthesis and Investigation of Antimicrobial, Antioxidant, Enzymatic Inhibitory, and Antiproliferative Activities of Ruthenium (II) Complexes Bearing Benzimidazole-Based N-Heterocyclic Carbene (NHC) Ligands. Polycyclic Aromatic Compounds, 0, , 1-25.	1.4	1
2917	Isocyanide-Phosphine Complexes of Palladium(II) Dihalides: Synthesis, Structure, and Resistance to Ligand Disproportionation Reactions. Russian Journal of General Chemistry, 2022, 92, 2279-2289.	0.3	0
2918	NHSi/NHGe-Supported Copper Halide and Pseudohalide Complexes: Synthesis and Application. Organometallics, 2022, 41, 3706-3717.	1.1	4
2919	Electronic and Structural Variations of a Nickel(0) N-Heterocyclic Phosphenium Complex in Comparison to Group 10 Analogues. Inorganic Chemistry, 2022, 61, 19440-19451.	1.9	4
2920	PTABS: A Unique Water-Soluble Ï€-Acceptor Caged Phosphine. Synlett, 0, , .	1.0	2
2921	Steric and Electronic Effects in N-Heterocyclic Carbene Gold(III) Complexes: An Experimental and Computational Study. Molecules, 2022, 27, 8289.	1.7	1
2922	Revisiting the Reaction of IPr with Tritylium: An Alternative Mechanistic Pathway**. Chemistry - A European Journal, 2023, 29, .	1.7	5
2923	Heck coupling reactions of aryl halides catalyzed by saturated ferrocenylmethylimidazolinium salts/palladium. Journal of the Iranian Chemical Society, 2023, 20, 637-643.	1.2	1
2924	Diastereoselective Radical Aminoacylation of Olefins through N-Heterocyclic Carbene Catalysis. Journal of the American Chemical Society, 2022, 144, 22767-22777.	6.6	33
2925	Boraalkenes Made by a Hydroboration Route: Cycloaddition and B=C Bond Cleavage Reactions. Angewandte Chemie - International Edition, 2023, 62, .	7.2	3
2926	Metal-Free Generation of Î³-Cyanoalkyl Radicals by N-Heterocyclic Carbene Catalysis: Assembly of 6-Cyanoalkyl Phenanthridines. Organic Letters, 2022, 24, 9243-9247.	2.4	7
2927	Nâ€Heterocyclic Carbene Mediated Sulfur Extrusion of Disulfides. European Journal of Organic Chemistry, 0, , .	1.2	0
2928	N-Heterocyclic Carbene/BrÃ¸nsted Acid Cooperatively Catalyzed Conversions of Î±, Î²-Unsaturated Carbonyls: Hydrogen Bond Donor/Acceptor-Electrophile/Nucleophile Combination Models. ACS Catalysis, 2023, 13, 612-623.	5.5	9
2929	Merging Nâ€Heterocyclic Carbene Organocatalysis with Hydrogen Atom Transfer Strategy. ChemCatChem, 2023, 15, .	1.8	16
2930	Total Syntheses of h5â€HT_{2A} Receptor Antagonist, FPTase Inhibitor, FGINâ€1â€27â€‰and its Analog by Exploiting NHCâ€Catalyzed Imine Umpolung as Key Step. Asian Journal of Organic Chemistry, 2023, 12, .	1.3	2

#	Article	IF	Citations
2931	Smart Hydrogen Atoms in Heterocyclic Cations of 1,2,4-Triazolium-Type Poly(ionic liquid)s. Accounts of Chemical Research, 2022, 55, 3675-3687.	7.6	7
2932	Nitrenium Salts in Intramolecular Lewis Pairs. Zeitschrift Fur Anorganische Und Allgemeine Chemie, 2023, 649, .	0.6	2
2933	Theoretical Photoelectron Spectroscopy of Low-Valent Carbon Species: A â¼6 eV Range of Ionization Potentials among Carbenes, Ylides, and Carbodiphosphoranes. ACS Organic & Inorganic Au, 2023, 3, 92-95.	1.9	5
2934	Fully Delocalized Mixedâ€Valent Cu^{1.5}Cu^{1.5} Complex: Strong Cuâ€Cu interaction and Fast Electron Selfâ€Exchange Rate Despite Large Structural Changes**. Angewandte Chemie - International Edition, 2023, 62, .	7.2	5
2935	Dual Catalysis in Organic Synthesis: Current Challenges and New Trends. European Journal of Organic Chemistry, 2023, 26, .	1.2	19
2936	N-heterocyclic carbenes with three and six fluorous ponytails and their highly fluorophilic Rh and Ir complexes. Journal of Organometallic Chemistry, 2022, , 122605.	0.8	0
2937	Fully Delocalized Mixedâ€Valent Cu1.5Cu1.5 Complex: Strong Cuâ€Cu Interaction and Fast Electron Selfâ€Exchange Rate Despite Large Structural Changes. Angewandte Chemie, 0, , .	1.6	0
2938	Boraalkenes Made by a Hydroboration Route: Cycloaddition and B=C Bond Cleavage Reactions. Angewandte Chemie, 0, , .	1.6	2
2939	Enantioselective Synthesis of Pyrazolo[3,4-b]pyridone Derivatives with Antifungal Activities against Phytophthora capsici and Colletotrichum fructicola. Organic Letters, 2023, 25, 134-139.	2.4	4
2940	Î±-Aminocarbene-Mediated Siâ€“H Insertion: Deoxygenative Silylation of Aromatic Amides with Silanes. Journal of Organic Chemistry, 2023, 88, 594-601.	1.7	5
2941	Triplet Carbene That is Isolated as a Solid and Bottled for Months. Journal of Physical Organic Chemistry, 0, , .	0.9	0
2942	Coordination-Induced Trigger for Activity: N-Heterocyclic Carbene-Decorated Ceria Catalysts Incorporating Cr and Rh with Activity Induction by Surface Adsorption Site Control. Journal of the American Chemical Society, 2023, 145, 1497-1504.	6.6	4
2943	A novel chelating bidentate NHC ligand based on the cationic (Î·5-cyclopentadienyl)(Î·6-arene)iron(II) motif. Journal of Organometallic Chemistry, 2023, , 122618.	0.8	0
2945	Câ€“H activation in bimetallic rhodium complexes to afford N-heterocyclic carbene pincer complexes. Dalton Transactions, 2023, 52, 2164-2174.	1.6	1
2946	N-Heterocyclic Carbene-Catalyzed Aza-Michaelâ€“Mannichâ€“Lactamization Cascade for the Enantioselective Synthesis of Pyrazoloquinolin-3-ones. Organic Letters, 2023, 25, 220-225.	2.4	4
2947	Enantioselective [3+2] Cycloaddition of Donorâ€Acceptor Aziridines and Imines to Construct 2,5â€transâ€Imidazolidines. Chemistry - A European Journal, 0, , .	1.7	2
2948	Design, synthesis, and characterization of a new efficient and reusable Ru complex immobilized on nano-silica for oxidation of alcohols. Journal of the Iranian Chemical Society, 0, , .	1.2	0
2949	Modulation of Chiroptical and Photophysical Properties in Helicenic Rhenium(I) Systems: The Use of an Nâ€(Aza[6]helicenyl)â€NHC Ligand. Chemistry - A European Journal, 2023, 29, .	1.7	2

#	Article	IF	Citations
2950	Radical acylation: concepts, synthetic applications and directions. Organic Chemistry Frontiers, 2023, 10, 1056-1085.	2.3	8
2951	Agâ€“NHC Complexes in the Ï€-Activation of Alkynes. Molecules, 2023, 28, 950.	1.7	7
2952	Addition of Alcohols onto Electron Deficient Heteroarenium Salts: A Reversible Covalent Bonding Process under Basic Condition. Synlett, 0, , .	1.0	0
2953	Visible light-mediated NHC and photoredox co-catalyzed 1,2-sulfonylacylation of allenesviaacyl and allyl radical cross-coupling. Organic Chemistry Frontiers, 2023, 10, 1047-1055.	2.3	11
2954	A naphthalene-based heterobimetallic triazolylidene Ir^{III}/Pd^{II} complex: regioselective to regiospecific Câ€“H activation, tandem catalysis and a copper-free Sonogashira reaction. Dalton Transactions, 2023, 52, 2272-2281.	1.6	4
2955	An Air-Stable â€œMaskedâ€•Bis(imino)carbene: A Carbon-Based Dual Ambiphile. Journal of the American Chemical Society, 2023, 145, 2064-2069.	6.6	12
2956	Stereoselective N-Heterocyclic-Carbene-Catalyzed Formal [4 + 2] Cycloaddition: Access to Chiral Heterocyclic Cyclohexenones. Organic Letters, 2023, 25, 174-178.	2.4	2
2957	Captodative Effect Facilitates the Excitation in Diboron Molecule (CAAC)₂B₂(SH)₂. Chemistry - A European Journal, 2023, 29, .	1.7	2
2958	NHCâ€Catalyzed Cascade Reactions for the Construction of Fused Cycles via LUMO Activation of Î±,Î²â€Unsaturated Carbonyls. Asian Journal of Organic Chemistry, 2023, 12, .	1.3	3
2959	From Au₁₁ to Au₁₃: Tailored Synthesis of Superatomic Di-NHC/PPh₃-Stabilized Molecular Gold Nanoclusters. Inorganic Chemistry, 2023, 62, 1383-1393.	1.9	8
2960	Divergent Acyl and Decarbonylative Liebeskindâ€“Srogl Cross-Coupling of Thioesters by Cu-Cofactor and Pdâ€“NHC (NHC = N-Heterocyclic Carbene) Catalysis. ACS Catalysis, 2023, 13, 1848-1855.	5.5	13
2961	Design, synthesis, spectroscopic characterizations, single crystal X-ray analysis, inÂvitro xanthine oxidase and acetylcholinesterase inhibitory evaluation as well as in silico evaluation of selenium-based N -heterocyclic carbene compounds. Journal of Biomolecular Structure and Dynamics, 2023, 41, 11728-11747.	2.0	2
2962	Cooperative Asymmetric Dual Catalysis Involving a Chiral N-Heterocyclic Carbene Organocatalyst and Palladium in an Annulation Reaction: Mechanism and Origin of Stereoselectivity. ACS Catalysis, 0, , 1133-1148.	5.5	2
2964	Hydrogen-bonding interactions involving the Imidazol-2â€ylidene and its Heavy-atom analogues. Computational and Theoretical Chemistry, 2023, 1220, 114020.	1.1	4
2965	NHC-catalyzed N H functionalization/cycloaddition reaction of indole aldehyde and ketone: A DFT perspective. Computational and Theoretical Chemistry, 2023, 1220, 114007.	1.1	5
2966	Four-Component Synthesis of Spiro-Imidazolidines Enabled by Carbon Nitride Photocatalysis. ACS Catalysis, 2023, 13, 866-876.	5.5	16
2967	Construction of alkenyl-isoquinolinones through NHC-catalyzed remote C(sp3)â€“H acylation and cascade cyclization of benzamides and enals. Tetrahedron, 2023, 132, 133239.	1.0	3
2968	Synthesis of Thioesters from Aldehydes via Nâ€Heterocyclic Carbene (NHC) Catalyzed Radical Relay. Chemistry - A European Journal, 2023, 29, .	1.7	6

#	Article	IF	Citations
2969	Alternating Ring-Opening Metathesis Polymerization Promoted by Ruthenium Catalysts Bearing Unsymmetrical NHC Ligands. Catalysts, 2023, 13, 34.	1.6	3
2970	Cooperative NHC and nickel-catalyzed asymmetric reductive coupling of nitrobenzyl bromides and cyclic ketiminesviaSET process. Organic Chemistry Frontiers, 2023, 10, 1463-1469.	2.3	1
2971	Mechanistic Exploration of Umpolung Guided Stetterâ€Aldol Reaction and Its Dependence on the Choice of Imine. ChemistrySelect, 2023, 8, .	0.7	1
2972	Carbene-Catalyzed Activation of 2-Aminobenzaldehyde for Access to Chiral Fluorescent Quinazolinone. Organic Letters, 2023, 25, 688-693.	2.4	2
2973	Phosphonium Ylides vs Iminophosphoranes: The Role of the Coordinating Ylidic Atom in cis-[Phosphine-Ylide Rh(CO)₂] Complexes. Inorganic Chemistry, 2023, 62, 2376-2388.	1.9	2
2974	Investigating the mechanism of Ni-mediated trifluoromethylthiolation of aryl halides using AgSCF₃. Dalton Transactions, 2023, 52, 3738-3745.	1.6	1
2975	Enantioselective Synthesis of Spiro Heterocyclic Compounds Using a Combination of Organocatalysis and Transitionâ€Metal Catalysis. Chemical Record, 2023, 23, .	2.9	6
2976	Organocatalyzed Asymmetric Pictetâ€Spengler Reactions. ChemistrySelect, 2023, 8, .	0.7	3
2977	Adsorption of Cyclic (Alkyl) (Amino) Carbenes on Monohydride Si(001) Surfaces: Interface Bonding and Electronic Properties. Journal of Physical Chemistry C, 2023, 127, 1973-1980.	1.5	1
2978	Chemical insights from the Source Function reconstruction of scalar fields relevant to chemistry. , 2023, , 269-333.		0
2979	Photocatalytic Late-Stage Câ€“H Functionalization. Chemical Reviews, 2023, 123, 4237-4352.	23.0	112
2980	Bio-inspired tetracarbene compounds as a new family of energy saving catalysts. Journal of Energy Chemistry, 2023, , .	7.1	1
2981	Iminoacylation of Alkenes via Photoredox N-Heterocyclic Carbene Catalysis. Organic Letters, 2023, 25, 855-860.	2.4	19
2982	The promise of N-heterocyclic carbenes to capture and valorize carbon dioxide.. , 2023, 2, 100018.		1
2983	A (TD-)DFT study on photo-NHC catalysis: photoenolization/Dielsâ€“Alder reaction of acid fluorides catalyzed by N-heterocyclic carbenes. Chemical Science, 2023, 14, 4027-4037.	3.7	2
2984	N-Heterocyclic Carbene Catalyzed Desymmetrization of Diols: Access to Enantioenriched Oxindoles Having C3-Quarternary Stereocenter. Chemical Communications, 0, , .	2.2	1
2985	Silacyclopropenylsilylene-NHC Complex: Synthesis by (1+2) Retro-cycloaddition, Dynamic Behavior in Solution, and Ring-expansion Reaction. Chemistry Letters, 2023, 52, 124-127.	0.7	0
2986	Isolation of Bisâ€and Monoâ€Cyclometallated Ruâ€IMes Complexes upon Reaction of [Ru(PPh ₃) Tj ETQq1 1 0.784314	1.6	0

#	Article	IF	Citations
2987	Carbene Radicals in Transition-Metal-Catalyzed Reactions. ACS Catalysis, 2023, 13, 5428-5448.	5.5	10
2988	N-Heterocyclic carbene-catalyzed remote C(sp3)â€“H acylation of amides. Tetrahedron Letters, 2023, , 154483.	0.7	0
2989	N-heterocyclic carbene-based polymer coating of gold nanoparticles and luminescent quantum dots. MRS Advances, 0, , .	0.5	0
2990	Mechanisms and origins of stereoselectivity involved in NHC-catalyzed [3Â+Â3] Annulation of 2-bromoenals and Î²-ketothioamides: A DFT study. Molecular Catalysis, 2023, 542, 113135.	1.0	0
2991	Ruthenium (0) complexes with NHC tetrazolylidene ligands: Synthesis, characterization and reactivity. Inorganica Chimica Acta, 2023, 551, 121472.	1.2	2
2992	Magnetic nanoparticles embedded hexagonal boron nitride tethered N-heterocyclic carbene-palladium(II): An efficient and reusable magnetic catalyst for fluoride-free Hiyama cross-coupling and 4-nitrophenol reduction reactions. Journal of Physics and Chemistry of Solids, 2023, 177, 111283.	1.9	6
2993	Hydration reactions catalyzed by transition metalâ€“NHC (NHCÂ=ÂN-heterocyclic carbene) complexes. Coordination Chemistry Reviews, 2023, 485, 215110.	9.5	7
2994	Gold(III) assisted C-N bond dissociation; Synthesis, structure, photoluminescence, and pharmacokinetic studies of 1,10/- phenanthroline-gold(III)-N-heterocyclic carbene. Journal of Molecular Structure, 2023, 1285, 135442.	1.8	1
2995	Relay Organophotoredox/N-Heterocyclic Carbene Catalysis-Enabled Asymmetric Synthesis of Dibenzoxazepine-Fused Pyrrolidinones. Organic Letters, 2023, 25, 2520-2524.	2.4	3
2996	(3Â+ 2) Cycloadditions by Nucleophilic Organocatalysis. , 2022, , .		0
2997	Liquid Dynamics Determine Transition Metalâ€Nâ€Heterocyclic Carbene Complex Formation. Chemistry - A European Journal, 2023, 29, .	1.7	5
2998	Boranes Paving the Way to Anionic Cyclic (Alkyl)(amino)carbenes (Aniâ€cAACs). Angewandte Chemie - International Edition, 2023, 62, .	7.2	7
2999	Borane als Wegbereiter zu anionischen cyclischen (Alkyl)(amino)carbenen (Aniâ€cAACs). Angewandte Chemie, 2023, 135, .	1.6	2
3000	Developments and applications of allyl-(aza)allyl coupling reactions. Green Synthesis and Catalysis, 2023, 4, 190-205.	3.7	4
3001	Enantioselective Access to Triaryl-2-pyrones with Monoaxial or Contiguous Câ€“C Diaxes via Oxidative NHC Catalysis. ACS Catalysis, 2023, 13, 2565-2575.	5.5	18
3002	Asymmetric Catalytic Approaches Employing Î±,Î²â€Unsaturated Imines. European Journal of Organic Chemistry, 2023, 26, .	1.2	3
3003	Heteroleptic Bis(amido) Ca(II) and Yb(II) NHC Pincer Complexes: Synthesis, Characterization, and Catalytic Activity in Intermolecular Hydrofunctionalization of Câ•C Bonds. Organometallics, 2023, 42, 2531-2540.	1.1	2
3004	Diastereodivergent Desymmetric Annulation to Access Spirooxindoles: Chemical Probes for Mitosis. Journal of the American Chemical Society, 2023, 145, 4199-4207.	6.6	15

#	Article	IF	Citations
3005	Manganese(III) complexes with tetradentate O^C^C^O ligands: Synthesis, characterization and catalytic studies on the CO2 cycloaddition with epoxides. Molecular Catalysis, 2023, 538, 113006.	1.0	3
3006	Metalâ€“Adsorbate Interactions Modulate Plasmonic Reactivity of Chemisorbed Nitrophenyl Derivatives. Journal of Physical Chemistry C, 2023, 127, 4104-4114.	1.5	3
3007	Synthesis, Photophysical Characterization and Evaluation of Biological Properties of C7, a Novel Symmetric Tetra-Imidazolium-Bis-Heterocycle. Microorganisms, 2023, 11, 495.	1.6	1
3008	Effects of axial C-donor ligands on metalloporphyrin-catalyzed carbene and nitrene transfer reactions. Advances in Organometallic Chemistry, 2023, , 195-259.	0.5	0
3009	Chromium-catalyzed stereodivergent E- and Z-selective alkyne hydrogenation controlled by cyclic (alkyl)(amino)carbene ligands. Nature Communications, 2023, 14, .	5.8	10
3010	Monomeric and Polymeric Mesoionic N-Heterocyclic Carbene-Tethered Silver Nanoparticles: Synthesis, Stability, and Catalytic Activity. Langmuir, 2023, 39, 3204-3215.	1.6	3
3011	Upcycling of spent functional biocarbon adsorbents to catalysts for the conversion of C5/C6 carbohydrates into platform chemicals. , 2023, 1, 554-562.		0
3012	Investigations on Novel 1,3â€Diazetidine Based Fourâ€Membered Nâ€Heterocyclic Carbenes. European Journal of Inorganic Chemistry, 0, , .	1.0	0
3013	Baseâ€catalyzed Effective C2â€Amidation of Azolium Salts Using Isocyanates under Mild Conditions. Chemistry - an Asian Journal, 2023, 18, .	1.7	2
3014	Giving Gold Wings: Ultrabright and Fragmentation Free Mass Spectrometry Reporters for Barcoding, Bioconjugation Monitoring, and Data Storage. Angewandte Chemie, 2023, 135, .	1.6	1
3015	Giving Gold Wings: Ultrabright and Fragmentation Free Mass Spectrometry Reporters for Barcoding, Bioconjugation Monitoring, and Data Storage. Angewandte Chemie - International Edition, 2023, 62, .	7.2	2
3016	Cyclic iron tetra N-heterocyclic carbenes: synthesis, properties, reactivity, and catalysis. Chemical Society Reviews, 2023, 52, 2238-2277.	18.7	7
3017	HETEROCYCLIC HEAVY ANALOGUES OF CARBENES: STRUCTURE AND CHEMICAL PROPERTIES. REVIEW. Journal of Structural Chemistry, 2023, 64, 1-45.	0.3	4
3018	Nonâ€Symmetrical Tetraarylâ€Î±â€Diimines via Transimination: A Promising Route for Nonâ€Symmetrical 1,3,4,5â€Tetraarylimidazolium Chlorides. ChemistrySelect, 2023, 8, .	0.7	0
3019	Cyclometalated platinum(<scp>ii</scp>) complexes with acyclic diaminocarbene ligands for OLED application. Dalton Transactions, 2023, 52, 4595-4605.	1.6	5
3020	Synthesis and a combined experimental/theoretical structural study of a comprehensive set of Pd/NHC complexes with o-, m-, and p-halogen-substituted aryl groups (X = F, Cl, Br,) Tj ETQq1 1 0.784314 rgBT /Overlock 10	1.6	
3021	Recent Development in the Catalytic Applications of Pdâ€NHC (NHC=Nâ€Heterocyclic Carbene) Compounds in Amide Câ”N Activation Reactions. Asian Journal of Organic Chemistry, 2023, 12, .	1.3	2
3022	A Second-Generation Palladacycle Architecture Bearing a N-Heterocyclic Carbene and Its Catalytic Behavior in Buchwaldâ€“Hartwig Amination Catalysis. Catalysts, 2023, 13, 559.	1.6	1

#	Article	IF	Citations
3023	Integration of CO₂capture, activation, and conversion with a ternary acetylglucosyl 2-methyl-imidazolium modified Pd catalyst. Organic Chemistry Frontiers, 2023, 10, 2045-2053.	2.3	6
3024	Accessing Heteroannular Benzoxazole and Benzimidazole Scaffolds via Carbodiimides Using Azideâ€“Isocyanide Cross-Coupling as Catalyzed by Mesoionic Singlet Palladium Carbene Complexes Derived from a Phenothiazine Moiety. ACS Omega, 2023, 8, 11039-11064.	1.6	3
3026	Deaminative radical reactions via relayed proton-coupled electron transfer. Organic Chemistry Frontiers, 2023, 10, 2155-2164.	2.3	6
3027	Acenaphthoimidazolylideneâ€Ligated Palladacycle Enabled Suzukiâ€“Miyaura Crossâ€Coupling Employing Equimolar Organoboron for Triâ€Orthoâ€Substituted Bi(hetero)aryls and Teraryls. Chemistry - A European Journal, 2023, 29, .	1.7	3
3028	Halogenâ€Substituted Mesoionicâ€Carbene/Palladium Complexes for Catalytic Arylation of Aldehydes. Asian Journal of Organic Chemistry, 2023, 12, .	1.3	1
3029	Ultrafast Photoelimination of Nitrogen from Upper Excited States of Diazoalkanes and the Fate of Carbenes Formed in the Reaction. Journal of Organic Chemistry, 2023, 88, 4286-4300.	1.7	2
3030	Synthesis of macrocyclization cyclophanes and their metal complexes, characterization and antimicrobial activity. Journal of Sustainable Construction Materials and Technologies, 0, , .	0.4	0
3031	Electrochemical Thiocyanation/Cyclization Cascade to Access Thiocyanato-Containing Benzoxazines. Catalysts, 2023, 13, 631.	1.6	3
3032	Bifunctional NHCâ€Catalyzed Remote Enantioselective Mannichâ€type Reaction of 5â€(Chloromethyl)furfural via Trienolate Intermediates. Angewandte Chemie - International Edition, 2023, 62, .	7.2	4
3033	Bifunctional NHCâ€Catalyzed Remote Enantioselective Mannichâ€type Reaction of 5â€(Chloromethyl)furfural via Trienolate Intermediates. Angewandte Chemie, 2023, 135, .	1.6	1
3034	NMR Chemical Shifts of Emerging Green Solvents, Acids, and Bases for Facile Trace Impurity Analysis. ACS Sustainable Chemistry and Engineering, 2023, 11, 5696-5725.	3.2	3
3035	On the Redox Properties of the Dimers of Thiazol-2-ylidenes That Are Relevant for Radical Catalysis. ACS Organic & Inorganic Au, 2023, 3, 136-142.	1.9	3
3036	Gold(I) N-heterocyclic carbene complexes with tunable electronic properties for sensitive colorimetric detection of glutathione. Materials Chemistry Frontiers, 0, , .	3.2	0
3037	N-Heterocyclic carbenes as privileged ligands for nickel-catalysed alkene functionalisation. Chemical Society Reviews, 2023, 52, 2946-2991.	18.7	26
3038	Carbeneâ€Catalyzed Intermolecular Dehydrogenative Coupling of Aldehydes with C(sp3)â€H Bonds. Angewandte Chemie, 0, , .	1.6	0
3039	Carbeneâ€Catalyzed Intermolecular Dehydrogenative Coupling of Aldehydes with C(sp³)â^'H Bonds. Angewandte Chemie - International Edition, 2023, 62, .	7.2	15
3040	Baseâ€catalyzed [3â€‰+â€‰2]/[4â€‰+â€‰2]â€annulations of cyclic <scp>N</scp>â€sulfimines with Î³â€•and Îˆâ€sulfonamido/hydroxyâ€Î±,Î²â€unsaturated carbonyls: Stereoselective synthesis of imidazolidines, oxazolidines, hexahydropyrimidines, and 1,3â€oxazinanes. Bulletin of the Korean Chemical Society, 2023, 44, 619-628.	1.0	2
3041	Stereoselective conjugate cyanation of enals by combining photoredox and organocatalysis. Nature Catalysis, 2023, 6, 332-338.	16.1	9

#	Article	IF	Citations
3042	A Tailored Versatile and Efficient NHCâ€Based NNCâ€Pincer Manganese Catalyst for Hydrogenation of Polar Unsaturated Compounds. Angewandte Chemie - International Edition, 2023, 62, .	7.2	14
3043	A Tailored Versatile and Efficient NHCâ€Based NNCâ€Pincer Manganese Catalyst for Hydrogenation of Polar Unsaturated Compounds. Angewandte Chemie, 2023, 135, .	1.6	1
3044	Cyclobutenylidene: A Multifaceted Two-Coordinate Carbon Species Obtained via Skeletal Editing of a Cyclopropenylidene. Journal of the American Chemical Society, 2023, 145, 9264-9272.	6.6	3
3045	Carbene-catalyzed [3 + 2 + 1] annulation via Câ€“N radical coupling of iminyl radicals and ketyl radicals. Organic and Biomolecular Chemistry, 2023, 21, 3784-3788.	1.5	1
3046	Azideâ€Substitutedâ€1,2,3â€Triazolium Salts as Useful Synthetic Synthons: Access to Triazenyl Radicals and Staudinger type Reactivity. Chemistry - A European Journal, 0, , .	1.7	0
3047	Monomeric and dendritic organoiron (I) electron-reservoir complexes: Design, redox activity and applications in biomimetism, material science and nanocatalysis. Inorganica Chimica Acta, 2023, 553, 121528.	1.2	0
3048	Mechanochemical solid state synthesis of copper(I)/NHC complexes with K₃PO₄. Beilstein Journal of Organic Chemistry, 0, 19, 440-447.	1.3	3
3049	Heteroditopic Chelating NHC Ligand-Supported Co^{III} Complexes: Catalysts for the Reductive Functionalization of Carbon Dioxide under Ambient Conditions. Organometallics, 2023, 42, 1395-1403.	1.1	3
3050	Asymmetric Synthesis of Spirooxindole Lactones by Ammonium-Tethered Chiral Organocatalysts catalyzed Michael Addition/Cyclization of 3-Hydroxyoxindoles with Î±,Î²-Unsaturated Aldehydes. Current Catalysis, 2023, 12, .	0.5	0
3051	Enantiopure cycloplatinated pentahelicenic N-heterocyclic carbenic complexes that display long-lived circularly polarized phosphorescence. Dalton Transactions, 2023, 52, 6484-6493.	1.6	1
3052	Mesoionic Carbeneâ€Catalyzed Formyl Alkylation of Aldehydes. Angewandte Chemie - International Edition, 2023, 62, .	7.2	14
3053	Mesoionic Carbeneâ€Catalyzed Formyl Alkylation of Aldehydes. Angewandte Chemie, 2023, 135, .	1.6	0
3054	ItOct (ItOctyl) â€“ pushing the limits of ItBu: highly hindered electron-rich N-aliphatic N-heterocyclic carbenes. Chemical Science, 2023, 14, 5141-5147.	3.7	4
3055	N-Heterocyclic carbene supported zinc catalysed N-formylation of diverse Nâ€“H functionalities with carbon dioxide under ambient conditions. Catalysis Science and Technology, 2023, 13, 3344-3350.	2.1	4
3056	Biological and Catalytic Applications of Pd(II)â€Indenyl Complexes Bearing Phosphine andNâ€Heterocyclic Carbene Ligands. European Journal of Inorganic Chemistry, 2023, 26, .	1.0	2
3057	A Nâ€Heterocyclic Carbeneâ€Supported Zinc Catalyst for the 1,2â€Regioselective Hydroboration of Nâ€Heteroarenes. Chemistry - A European Journal, 2023, 29, .	1.7	7
3058	Suzukiâ€“Miyaura Cross-Coupling of 2-Pyridyl Trimethylammonium Salts by Nâ€“C Activation Catalyzed by Air- and Moisture-Stable Pdâ€“NHC Precatalysts: Application to the Discovery of Agrochemicals. Organic Letters, 0, , .	2.4	2
3064	Transition Metal Complexes and Ligand Synthesis. , 2017, , 396-415.		0

#	Article	IF	Citations
3069	The Use of NHC Carbenes in Enantiopure Compounds Synthesis. , 2022, , .		0
3072	Carbon-Carbon Bond Formation Via Metal Carbene Complexes. , 2022, , .		0
3077	N-heterocyclic carbene-ligated metal complexes and clusters for photocatalytic CO₂reduction. Inorganic Chemistry Frontiers, 2023, 10, 4313-4321.	3.0	3
3083	Formation of Highly Stable 1,2-Dicarbonyl Organic Radicals from Cyclic (Alkyl)(amino)carbenes. Organic Letters, 2023, 25, 4292-4297.	2.4	1
3097	Recent advances in application of the Stetter reaction in heterocyclic chemistry. Advances in Heterocyclic Chemistry, 2023, , 127-178.	0.9	1
3120	An account of synthetic strategies towards transition metal complexes. AIP Conference Proceedings, 2023, , .	0.3	0
3135	The marriage of porous cages and metal clusters for advanced catalysis. Materials Chemistry Frontiers, 0, , .	3.2	0
3137	Pyridylidene Amines and Amides: Donor-Flexible Ligands for Catalysis. ACS Catalysis, 2023, 13, 9891-9904.	5.5	3
3145	Synergistic catalysis for stereocontrol of prochiral nucleophiles in palladium-catalyzed asymmetric allylic substitution. Science China Chemistry, 2023, 66, 2238-2255.	4.2	2
3146	Ring expansion vs. addition â€“ reactivity of a cyclo-P₄ complex towards pnictogenium cations. Chemical Communications, 2023, 59, 10117-10120.	2.2	3
3153	N-Heterocyclic carbene-catalyzed enantioselective annulation of 2-amino-1H-indoles and bromoenals for the synthesis of chiral 2-aryl-2,3-dihydropyrimido[1,2-a]indol-4 (1H)-ones. Organic and Biomolecular Chemistry, 2023, 21, 6675-6680.	1.5	0
3154	Asymmetric synthesis of chiral pyrazolo[3,4-b]pyridin-6-ones under carbene catalysis. Organic and Biomolecular Chemistry, 2023, 21, 6898-6902.	1.5	0
3188	Metal-free 2-isocyanobiaryl-based cyclization reactions: phenanthridine framework synthesis. Molecular Diversity, 2024, 28, 419-435.	2.1	0
3201	Recent advances in low-valent silicon chemistry. Advances in Inorganic Chemistry, 2023, , 119-156.	0.4	0
3220	Recent Advances in Palladium-Catalyzed [4â€‰+â€‰n] Cycloaddition of Lactones, Benzoxazinanones, Allylic Carbonates, and Vinyloxetanes. Topics in Current Chemistry, 2023, 381, .	3.0	1
3231	Recent advances in combining photo- and N-heterocyclic carbene catalysis. Chemical Science, 2023, 14, 13367-13383.	3.7	4
3251	A Detailed Investigation and Catalytic Application of Gold Nanoparticles Towards Synthesis of N & O-Heterocycles. Topics in Catalysis, 2024, 67, 123-139.	1.3	0
3261	Straight-chain Ï‰-amino-Î±,Î²-unsaturated carbonyl compounds: versatile synthons for the synthesis of nitrogen-containing heterocycles via organocatalytic reactions. Organic Chemistry Frontiers, 2023, 11, 236-253.	2.3	1

#	Article	IF	Citations
3308	Asymmetric gold catalysis enabled by specially designed ligands. Organic Chemistry Frontiers, 2024, 11, 1858-1895.	2.3	0
3313	Recent advances in N-heterocyclic carbene (NHC)-catalyzed fluorination and fluoroalkylation. Organic Chemistry Frontiers, 2024, 11, 2112-2133.	2.3	1