Chien-Hong Cheng

List of Publications by Year
in descending order

300 papers	20,306 citations	7069 78 h-index	17055 122 g-index
440 all docs	440 docs citations	440 times ranked	10332 citing authors

#	Article	IF	Citations
1	Diboron compound-based organic light-emitting diodes with high efficiency and reduced efficiency roll-off. Nature Photonics, 2018, 12, 235-240.	15.6	669
2	A Highly Efficient Universal Bipolar Host for Blue, Green, and Red Phosphorescent OLEDs. Advanced Materials, 2010, 22, 2468-2471.	11.1	540
3	Cobalt-Catalyzed Arylâ^'Sulfur Bond Formation. Organic Letters, 2006, 8, 5613-5616.	2.4	416
4	A New Molecular Design Based on Thermally Activated Delayed Fluorescence for Highly Efficient Organic Light Emitting Diodes. Journal of the American Chemical Society, 2016, 138, 628-634.	6.6	365
5	New Molecular Design Concurrently Providing Superior Pure Blue, Thermally Activated Delayed Fluorescence and Optical Out-Coupling Efficiencies. Journal of the American Chemical Society, 2017, 139, 10948-10951.	6.6	361
6	Rhodium-Catalyzed One-Pot Synthesis of Substituted Pyridine Derivatives from Î±,Î²-Unsaturated Ketoximes and Alkynes. Organic Letters, 2008, 10, 325-328.	2.4	303
7	Regioselective Synthesis of Indenols by Rhodiumâ€Catalyzed Cï£¿H Activation and Carbocyclization of Aryl Ketones and Alkynes. Angewandte Chemie - International Edition, 2011, 50, 4169-4172.	7.2	273
8	Oneâ€Pot Synthesis of Isoquinolinium Salts by Rhodiumâ€Catalyzed Cï£¿H Bond Activation: Application to the Total Synthesis of Oxychelerythrine. Angewandte Chemie - International Edition, 2012, 51, 197-200.	7.2	257
9	Cobalt Catalysis Involving Ï€ Components in Organic Synthesis. Accounts of Chemical Research, 2015, 48, 1194-1206.	7.6	239
10	Synthesis of Phenanthrone Derivatives from sec-Alkyl Aryl Ketones and Aryl Halides via a Palladium-Catalyzed Dual Câ^'H Bond Activation and Enolate Cyclization. Journal of the American Chemical Society, 2010, 132, 8569-8571.	6.6	208
11	Synthesis of Phenanthridinones from Nâ€Methoxybenzamides and Arenes by Multiple Palladiumâ€Catalyzed Cï£¿H Activation Steps at Room Temperature. Angewandte Chemie - International Edition, 2011, 50, 9880-9883.	7.2	208
12	Wideâ€Range Color Tuning of Iridium Biscarbene Complexes from Blue to Red by Different Nâ€N Ligands: an Alternative Route for Adjusting the Emission Colors. Advanced Materials, 2011, 23, 4933-4937.	11.1	201
13	A highly luminescent spiro-anthracenone-based organic light-emitting diode exhibiting thermally activated delayed fluorescence. Chemical Communications, 2013, 49, 10385-10387.	2.2	198
14	New Catalytic Reactions of Oxa- and Azabicyclic Alkenes. Accounts of Chemical Research, 2007, 40, 971-983.	7.6	197
15	Cobaltâ€Catalyzed Oxidative Annulation of Nitrogenâ€Containing Arenes with Alkynes: An Atomâ€Economical Route to Heterocyclic Quaternary Ammonium Salts. Angewandte Chemie - International Edition, 2016, 55, 1844-1848.	7.2	190
16	Host and Dopant Materials for Idealized Deepâ€Red Organic Electrophosphorescence Devices. Advanced Materials, 2011, 23, 2981-2985.	11.1	187
17	Synthesis of Fluorenones from Aromatic Aldoxime Ethers and Aryl Halides by Palladiumâ€Catalyzed Dual Cï£¿H Activation and Heck Cyclization. Angewandte Chemie - International Edition, 2008, 47, 9462-9465.	7.2	183
18	Easy Access to Isoquinolines and Tetrahydroquinolines from Ketoximes and Alkynes via Rhodium-Catalyzed Câ^'H Bond Activation. Journal of Organic Chemistry, 2009, 74, 9359-9364.	1.7	170

#	Article	IF	Citations
19	Rhodium(III)â€Catalyzed Oxidative Cï£¿H Coupling of Nâ€Methoxybenzamides with Aryl Boronic Acids: Oneâ€Pot Synthesis of Phenanthridinones. Angewandte Chemie - International Edition, 2012, 51, 12343-12347.	7.2	168
20	Transitionâ€Metalâ€Catalyzed Ï€â€Bondâ€Assisted Cï£¿H Bond Functionalization: An Emerging Trend in Organic Synthesis. Chemistry - an Asian Journal, 2015, 10, 824-838.	1.7	168
21	Synthesis of Isoquinolines via Rh(III)-Catalyzed Câ€“H Activation Using Hydrazone as a New Oxidizing Directing Group. Organic Letters, 2013, 15, 5750-5753.	2.4	163
22	Cobaltâ€•and Nickelâ€Catalyzed Regioâ€•and Stereoselective Reductive Coupling of Alkynes, Allenes, and Alkenes with Alkenes. Chemistry - A European Journal, 2008, 14, 10876-10886.	1.7	155
23	Unusual Diboration of Allenes Catalyzed by Palladium Complexes and Organic Iodides:â€‰ A New Efficient Route to Biboronic Compounds. Journal of the American Chemical Society, 2001, 123, 761-762.	6.6	150
24	Allylic Carbonâ€“Carbon Double Bond Directed Pd-Catalyzed Oxidative ortho-Olefination of Arenes. Journal of the American Chemical Society, 2012, 134, 5738-5741.	6.6	149
25	Tuning the emission and morphology of cyclometalated iridium complexes and their applications to organic light-emitting diodes. Journal of Materials Chemistry, 2005, 15, 1035.	6.7	148
26	Diastereoselective [3+2] Annulation of Aromatic/Vinylic Amides with Bicyclic Alkenes through Cobaltâ€Catalyzed Câ^'H Activation and Intramolecular Nucleophilic Addition. Angewandte Chemie - International Edition, 2016, 55, 4308-4311.	7.2	148
27	Oneâ€Pot Synthesis of Highly Substituted Polyheteroaromatic Compounds by Rhodium(III)â€Catalyzed Multiple Cï£¿H Activation and Annulation. Angewandte Chemie - International Edition, 2014, 53, 9889-9892.	7.2	146
28	Cobaltâ€Catalyzed Annulation Reactions via Câ^'H Bond Activation. ChemCatChem, 2018, 10, 683-705.	1.8	139
29	Synthesis of Isocoumarins from o-Iodobenzoic Acid and Terminal Acetylenes Mediated by Palladium Complexes and Zinc Chloride. Journal of Organic Chemistry, 1995, 60, 3711-3716.	1.7	137
30	Highly Efficient Synthesis of Isoquinolines via Nickel-Catalyzed Annulation of 2-Iodobenzaldimines with Alkynes:â€‰ Evidence for Dual Pathways of Alkyne Insertion. Organic Letters, 2005, 7, 5179-5182.	2.4	137
31	Nickel-Catalyzed Coupling of Aryl Iodides with Aromatic Aldehydes:Â Chemoselective Synthesis of Ketones. Journal of Organic Chemistry, 2002, 67, 1682-1684.	1.7	136
32	Ru(II)-Catalyzed Câ€“H Bond Activation for the Synthesis of Substituted Isoquinolinium Salts from Benzaldehydes, Amines, and Alkynes. Organic Letters, 2012, 14, 3478-3481.	2.4	133
33	Nickel-Catalyzed Cyclization of 2-Iodoanilines with Aroylalkynes:Â An Efficient Route for Quinoline Derivatives. Journal of Organic Chemistry, 2006, 71, 7079-7082.	1.7	132
34	Ligand-Controlled Divergent Câ€”H Functionalization of Aldehydes with Enynes by Cobalt Catalysts. Journal of the American Chemical Society, 2015, 137, 16116-16120.	6.6	130
35	Design and Synthesis of Iridium Bis(carbene) Complexes for Efficient Blue Electrophosphorescence. Chemistry - A European Journal, 2011, 17, 9180-9187.	1.7	129
36	Ru(II)-Catalyzed Amidation of 2-Arylpyridines with Isocyanates via Câ€“H Activation. Organic Letters, 2012, 14, 4262-4265.	2.4	127

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37	Diaminoanthracene Derivatives as High-Performance Green Host Electroluminescent Materials. Chemistry of Materials, 2002, 14, 3958-3963.	3.2	123
38	Transition metal-catalyzed three-component coupling of allenes and the related allylation reactions. Chemical Communications, 2008, , 3101.	2.2	122
39	Cobalt(III)-Catalyzed [5 + 1] Annulation for 2H-Chromenes Synthesis via Vinylic Câ€“H Activation and Intramolecular Nucleophilic Addition. ACS Catalysis, 2016, 6, 3909-3913.	5.5	122
40	Advancements in the Synthesis and Applications of Cationic Nâ€Heterocycles through Transition Metalâ€Catalyzed Câ^'H Activation. Chemistry - an Asian Journal, 2016, 11, 448-460.	1.7	122
41	A Highly Efficient Host/Dopant Combination for Blue Organic Electrophosphorescence Devices. Advanced Functional Materials, 2008, 18, 485-491.	7.8	120
42	Rhodium(III)â€Catalyzed Synthesis of Cinnolinium Salts from Azobenzenes and Alkynes: Application to the Synthesis of Indoles and Cinnolines. Chemistry - A European Journal, 2013, 19, 6198-6202.	1.7	119
43	Easy Access to 1â€Amino and 1â€Carbon Substituted Isoquinolines via Cobaltâ€Catalyzed Cï£¿H/Nï£¿O Bond Activation. Advanced Synthesis and Catalysis, 2016, 358, 774-783.	2.1	114
44	mâ€Indolocarbazole Derivative as a Universal Host Material for RGB and White Phosphorescent OLEDs. Advanced Functional Materials, 2015, 25, 5548-5556.	7.8	111
45	Nitrile-Group Transfer from Solvents to Aryl Halides. Novel Carbonâ^'Carbon Bond Formation and Cleavage Mediated by Palladium and Zinc Species. Organometallics, 1998, 17, 1025-1030.	1.1	110
46	Cobalt-Catalyzed Highly Regio- and Stereoselective Intermolecular Reductive Coupling of Alkynes with Conjugated Alkenes. Journal of the American Chemical Society, 2002, 124, 9696-9697.	6.6	110
47	Synthesis of Diimidazolylstilbenes as nâ€Type Blue Fluorophores: Alternative Dopant Materials for Highly Efficient Electroluminescent Devices. Advanced Materials, 2012, 24, 5867-5871.	11.1	110
48	Direct Synthesis of Arylketones by Nickel-Catalyzed Addition of Arylboronic Acids to Nitriles. Organic Letters, 2010, 12, 1736-1739.	2.4	107
49	Highly Efficient Cyclization ofo-Iodobenzoates with Aldehydes Catalyzed by Cobalt Bidentate Phosphine Complexes: A Novel Entry to Chiral Phthalides. Chemistry - A European Journal, 2007, 13, 4356-4363.	1.7	105
50	Cobalt-Catalyzed Reductive Coupling of Activated Alkenes with Alkynes. Journal of the American Chemical Society, 2007, 129, 12032-12041.	6.6	104
51	Homogeneous catalysis of the water gas shift reaction using rhodium carbonyl iodide. Journal of the American Chemical Society, 1977, 99, 2791-2792.	6.6	102
52	Nickel-Catalyzed [2+2] Cycloaddition of Alkynes with Activated Cyclic Alkenes: Synthesis and Novel Ring Expansion Studies of Cyclobutene Products. Chemistry - A European Journal, 2000, 6, 3706-3713.	1.7	102
53	Pd-catalyzed double Câ€“H bond activation of diaryl ketones for the synthesis of fluorenones. Chemical Communications, 2012, 48, 9379.	2.2	102
54	Nickel-Catalyzed Cross-Coupling of Aryl Phosphates with Arylboronic Acids. Journal of Organic Chemistry, 2011, 76, 2338-2344.	1.7	101

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55	Cross [2 + 2] Cycloaddition of Bicyclic Alkenes with Alkynes Mediated by Cobalt Complexes:Â A Facile Synthesis of Cyclobutene Derivatives. Journal of Organic Chemistry, 2001, 66, 8804-8810.	1.7	100
56	Highly Regio- and Stereoselective Acylboration of Allenes Catalyzed by Palladium Complexes:â€‰ An Efficient Route to a New Class of 2-Acylallylboronates. Journal of the American Chemical Society, 2000, 122, 7122-7123.	6.6	99
57	Regioselective Synthesis of Indoles via Rhodiumâ€Catalyzed Cï£¿H Activation Directed by an Inâ€Situ Generated Redoxâ€Neutral Group. Advanced Synthesis and Catalysis, 2014, 356, 1571-1576.	2.1	99
58	Cobalt-Catalyzed Regioselective Carbocyclization Reaction of o-Iodophenyl Ketones and Aldehydes with Alkynes, Acrylates, and Acrylonitrile:â€‰ A Facile Route to Indenols and Indenes. Journal of Organic Chemistry, 2004, 69, 4781-4787.	1.7	98
59	Triarylamineâ€Pyridineâ€Carbonitriles for Organic Lightâ€Emitting Devices with EQE Nearly 40%. Advanced Materials, 2021, 33, e2008032.	11.1	97
60	Highly Stereoselective Ring-Opening Addition of Terminal Acetylenes to Bicyclic Olefins Catalyzed by Nickel Complexes. Organic Letters, 2002, 4, 1679-1682.	2.4	95
61	Reaction of arynes, N-heteroaromatics and nitriles. Chemical Communications, 2006, , 2454.	2.2	94
62	Synthesis of Highly Substituted Isoquinolone Derivatives by Nickel-Catalyzed Annulation of 2-Halobenzamides with Alkynes. Organic Letters, 2010, 12, 3518-3521.	2.4	94
63	Nickel-Catalyzed Coupling of Arynes, Alkenes, and Boronic Acids: Dual Role of the Boronic Acid. Angewandte Chemie - International Edition, 2007, 46, 5921-5924.	7.2	92
64	Cobalt(II)â€Catalyzed Regioâ€•and Stereoselective Hydroarylation of Alkynes with Organoboronic Acids. Chemistry - A European Journal, 2008, 14, 11296-11299.	1.7	90
65	A Cooperative Copperâ€•and Palladiumâ€Catalyzed Threeâ€Component Coupling of Benzynes, Allylic Epoxides, and Terminal Alkynes. Angewandte Chemie - International Edition, 2009, 48, 391-394.	7.2	90
66	Cobalt-Catalyzed Intramolecular [2 + 2 + 2] Cocyclotrimerization of Nitrilediynes:Â An Efficient Route to Tetra- and Pentacyclic Pyridine Derivatives. Organic Letters, 2007, 9, 505-508.	2.4	89
67	Rh^{III}â€Catalyzed Cï£¿H Activation: A Versatile Route towards Various Polycyclic Pyridinium Salts. Chemistry - A European Journal, 2013, 19, 14181-14186.	1.7	89
68	Highly Regio- and Stereoselective Cocyclotrimerization and Linear Cotrimerization of Î±,Î²-Unsaturated Carbonyl Compounds with Alkynes Catalyzed by Nickel Complexes. Journal of Organic Chemistry, 1999, 64, 3663-3670.	1.7	87
69	A Method for Reducing the Singletâ€“Triplet Energy Gaps of TADF Materials for Improving the Blue OLED Efficiency. ACS Applied Materials & Interfaces, 2016, 8, 27026-27034.	4.0	87
70	Enantioselective Synthesis of Î²-Substituted Cyclic Ketones via Cobalt-Catalyzed Asymmetric Reductive Coupling of Alkynes with Alkenes. Journal of the American Chemical Society, 2011, 133, 6942-6944.	6.6	86
71	Cobalt-Catalyzed Diastereoselective Reductive [3 + 2] Cycloaddition of Allenes and Enones. Journal of the American Chemical Society, 2007, 129, 4166-4167.	6.6	85
72	Platinumâ€Catalyzed Multistep Reactions of Indoles with Alkynyl Alcohols. Chemistry - A European Journal, 2007, 13, 8285-8293.	1.7	85

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73	Molecular Design of Highly Efficient Thermally Activated Delayed Fluorescence Hosts for Blue Phosphorescent and Fluorescent Organic Light-Emitting Diodes. Chemistry of Materials, 2017, 29, 1527-1537.	3.2	85
74	Unusual Palladium-Catalyzed Silaboration of Allenes Using Organic Iodides as Initiators:Â Mechanism and Application. Journal of the American Chemical Society, 2005, 127, 126-131.	6.6	84
75	Ene Reaction of Arynes with Alkynes. Journal of the American Chemical Society, 2006, 128, 2232-2233.	6.6	84
76	Cobaltâ€Catalyzed Addition Reaction of Organoboronic Acids with Aldehydes: Highly Enantioselective Synthesis of Diarylmethanols. Chemistry - A European Journal, 2010, 16, 8989-8992.	1.7	84
77	Synthesis of isoquinolones via Rh-catalyzed Câ€“H activation of substituted benzamides using air as the sole oxidant in water. Green Chemistry, 2017, 19, 3219-3224.	4.6	84
78	Rhodium(III)â€Catalyzed [4+1] Annulation of Aromatic and Vinylic Carboxylic Acids with Allenes: An Efficient Method Towards Vinylâ€Substituted Phthalides and 2â€Furanones. Chemistry - A European Journal, 2015, 21, 9198-9203.	1.7	81
79	O-Dihaloarenes as aryne precursors for nickel-catalyzed [2 + 2 + 2] cycloaddition with alkynes and nitriles. Chemical Communications, 2008, , 2992.	2.2	80
80	Highly Regio- and Chemoselective [2Â+Â2Â+Â2] Cycloaddition of Electron-Deficient Diynes with Allenes Catalyzed by Nickel Complexes:Â A Novel Entry to Polysubstituted Benzene Derivatives. Journal of Organic Chemistry, 2002, 67, 7724-7729.	1.7	79
81	Cobaltâ€Catalyzed Regioselective Synthesis of Indenamine from oâ€Iodobenzaldimine and Alkyne: Intriguing Difference to the Nickelâ€Catalyzed Reaction. Chemistry - A European Journal, 2008, 14, 9503-9506.	1.7	79
82	Highly efficient orange and deep-red organic light emitting diodes with long operational lifetimes using carbazoleâ€“quinoline based bipolar host materials. Journal of Materials Chemistry C, 2014, 2, 6183-6191.	2.7	79
83	Insertion of norbornadiene into the arylâ€“palladium bond; synthesis, structure and dynamics of intramolecular Î·2-arene palladium species. Journal of the Chemical Society Chemical Communications, 1991, , 710-712.	2.0	78
84	Nickel-Catalyzed Highly Stereoselective Ring Opening of 7-Oxa- and Azanorbornenes with Organic Halides. Journal of Organic Chemistry, 1999, 64, 3538-3543.	1.7	77
85	Palladium-Catalyzed Allylalkynylation of Benzynes:â€‰ A Highly Efficient Route to Substituted 1-Allyl-2-alkynylbenzenes. Organic Letters, 2004, 6, 2821-2824.	2.4	77
86	Highly Efficient Route too-Allylbiaryls via Palladium-Catalyzed Three-Component Coupling of Benzynes, Allylic Halides, and Aryl Organometallic Reagents. Organic Letters, 2005, 7, 2921-2924.	2.4	77
87	Carbocyclization of Aromatic Iodides, Bicyclic Alkenes, and Benzynes Involving a Palladium-Catalyzed Câ€”H Bond Activation as a Key Step. Organic Letters, 2006, 8, 5581-5584.	2.4	77
88	A convenient synthesis of quinolizinium salts through Rh(iii) or Ru(ii)-catalyzed Câ€“H bond activation of 2-alkenylpyridines. Chemical Communications, 2013, 49, 8528.	2.2	76
89	Superior upconversion fluorescence dopants for highly efficient deep-blue electroluminescent devices. Chemical Science, 2016, 7, 4044-4051.	3.7	76
90	Palladium-Catalyzed [2 + 2 + 2] Cocyclotrimerization of Benzynes with Bicyclic Alkenes:Â An Efficient Route to Anellated 9,10-Dihydrophenanthrene Derivatives and Polyaromatic Compounds. Journal of Organic Chemistry, 2004, 69, 8445-8450.	1.7	75

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91	Nickel-Catalyzed Highly Regio- and Stereoselective Cyclization of Oxanorbornenes with Alkyl Propiolates: A Novel Method for the Synthesis of Benzocoumarin Derivatives. Angewandte Chemie - International Edition, 2001, 40, 1286-1288.	7.2	74
92	Nickel-Catalyzed Highly Regio- and Chemoselective Cocyclotrimerization of Propiolates with Allenes:â€‰ A Novel Route to Polysubstituted Benzene Derivatives. Organic Letters, 2001, 3, 4233-4236.	2.4	73
93	Rh^{III}-Catalyzed [4 + 1] Annulations of 2-Hydroxy- and 2-Aminobenzaldehydes with Allenes: A Simple Method toward 3-Coumaranones and 3-Indolinones. Organic Letters, 2015, 17, 3846-3849.	2.4	73
94	Cobalt-catalyzed regio- and stereoselective intermolecular enyne coupling: an efficient route to 1,3-diene derivatives. Chemical Communications, 2010, 46, 1923-1925.	2.2	72
95	One pot synthesis of bioactive benzopyranones through palladium-catalyzed Câ€“H activation and CO insertion into 2-arylphenols. Chemical Communications, 2013, 49, 11797.	2.2	72
96	Cobalt-Catalyzed Hydroarylative Cyclization of 1,6-Enynes with Aromatic Ketones and Esters via Câ€“H Activation. Organic Letters, 2014, 16, 4208-4211.	2.4	72
97	Palladium-catalyzed carbopalladation and carbocyclization of arynes with aryl halides: a highly efficient route to functionalized triphenylenes. Chemical Communications, 2006, , 894.	2.2	71
98	Ni(II)/Zn-Mediated Chemoselective Arylation of Aromatic Aldehydes:â€‰ Facile Synthesis of Diaryl Carbinols. Organic Letters, 2000, 2, 2295-2298.	2.4	70
99	Regioselective Synthesis of Indenols via Nickel-Catalyzed Carbocyclization Reaction. Journal of Organic Chemistry, 2003, 68, 6726-6731.	1.7	70
100	Asymmetric Reductive Ring-Opening of Bicyclic Olefins Catalyzed by Palladium and Nickel Complexes. Organic Letters, 2003, 5, 1621-1624.	2.4	70
101	Palladium-Catalyzed Three-Component Assembling of Allenes, Organic Halides, and Arylboronic Acids. Journal of Organic Chemistry, 2002, 67, 99-105.	1.7	69
102	Ni-Catalyzed Highly Regio- and Chemoselective Cocycloaddition of Nonconjugated Diynes with 1,3-Diynes:â€‰ A Novel Method for Polysubstituted Arylalkynes. Organic Letters, 2002, 4, 807-810.	2.4	69
103	Cobalt-catalyzed dimerization of alkenes. Tetrahedron Letters, 2004, 45, 6203-6206.	0.7	69
104	Isoquinolinium Salts fromoâ€Halobenzaldehydes, Amines, and Alkynes Catalyzed by Nickel Complexes: Synthesis and Applications. Chemistry - A European Journal, 2009, 15, 10727-10731.	1.7	69
105	Protectingâ€Groupâ€Free Total Synthesis of Isoquinoline Alkaloids by Nickelâ€Catalyzed Annulation ofoâ€Halobenzaldimine with an Alkyne as the Key Step. Chemistry - A European Journal, 2010, 16, 282-287.	1.7	69
106	Pd-Catalyzed Ï€-Chelation Assisted ortho-Câ€“H Activation and Annulation of Allylarenes with Internal Alkynes. Organic Letters, 2013, 15, 2084-2087.	2.4	69
107	Rhodium(III)-Catalyzed Vinylic Câ€“H Activation: A Direct Route toward Pyridinium Salts. Organic Letters, 2015, 17, 924-927.	2.4	69
108	Highly Regio- and Stereoselective Acylboration, Acylsilation, and Acylstannation of Allenes Catalyzed by Phosphine-Free Palladium Complexes:Â An Efficient Route to a New Class of 2-Acylallylmetal Reagents. Journal of the American Chemical Society, 2003, 125, 12576-12583.	6.6	68

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109	Oneâ€Pot Synthesis of Diarylmethylidenefluorenes and Phenanthrenes by Palladiumâ€Catalyzed Multiple Cï£¿H Bond Functionalization. Chemistry - A European Journal, 2010, 16, 1436-1440.	1.7	68
110	Cu(i)-catalyzed intramolecular oxidative Câ€“H amination of 2-aminoacetophenones: a convenient route toward isatins. Chemical Communications, 2013, 49, 8540.	2.2	68
111	Copperâ€Catalyzed Intramolecular Oxidative Cï£¿H Functionalization and Cï£¿N Formation of 2â€Aminobenzophenones: Unusual Pseudoâ€1,2â€Shift of the Substituent on the Aryl Ring. Chemistry - A European Journal, 2013, 19, 460-464.	1.7	68
112	Synthesis of Phenanthridinones from Nâ€Methoxybenzamides and Aryltriethoxysilanes through Rh^{III}â€Catalyzed Cï£¿H and Nï£¿H Bond Activation. Chemistry - an Asian Journal, 2013, 8, 2175-2181.	1.7	68
113	Cobalt-Catalyzed Reductive Coupling of Saturated Alkyl Halides with Activated Alkenes. Journal of Organic Chemistry, 2006, 71, 655-658.	1.7	67
114	Nickelâ€Catalyzed Borylative Coupling of Alkynes, Enones, and Bis(pinacolato)diboron as a Route to Substituted Alkenyl Boronates. Angewandte Chemie - International Edition, 2009, 48, 2192-2195.	7.2	66
115	Synthesis of Nâ€Arylated 1,2â€Dihydroheteroaromatics Through the Threeâ€Component Reaction of Arynes with Nâ€Heteroaromatics and Terminal Alkynes or Ketones. Chemistry - an Asian Journal, 2010, 5, 153-159.	1.7	66
116	Nickel-Promoted First Eneâ^'Diyne Cycloaddition Reaction on C60:â€‰ Synthesis and Photochemistry of the Fullerene Derivatives. Journal of the American Chemical Society, 1998, 120, 12232-12236.	6.6	65
117	Diboron-Based Delayed Fluorescent Emitters with Orange-to-Red Emission and Superior Organic Light-Emitting Diode Efficiency. ACS Applied Materials & Interfaces, 2020, 12, 23199-23206.	4.0	64
118	Cobalt-Catalyzed Carbocyclization ofo-Iodobenzaldehydes ando-Iodophenylketones with Alkynes. Organic Letters, 2003, 5, 3963-3966.	2.4	63
119	Nickel-catalyzed highly chemoselective cocyclotrimerization of arynes with allenes: a novel method for 10-methylene-9,10-dihydrophenanthrenesElectronic supplementary information (ESI) available: synthesis and characterization data of compounds 3. See http://www.rsc.org/suppdata/cc/b3/b315795d/. Chemical Communications, 2004, , 532.	2.2	63
120	Photoinduced reactions of tertiary amines with [60]fullerene; addition of an Î±-Câ€“H bond of amines to [60]fullerene. Chemical Communications, 1996, , 1423-1424.	2.2	62
121	Nickel-catalyzed cocyclotrimerization of arynes with diynes; a novel method for synthesis of naphthalene derivatives. Chemical Communications, 2005, , 2459.	2.2	62
122	Fickle Reactivity of Allenes in Transitionâ€Metalâ€Catalyzed Câ^'H Functionalizations. Asian Journal of Organic Chemistry, 2018, 7, 1151-1163.	1.3	62
123	Nickel-catalyzed regioselective carbocyclization of ortho-halophenyl ketones with propiolates: an efficient route to disubstituted indenolsElectronic supplementary information (ESI) available: synthesis and characterization of compounds 3. See http://www.rsc.org/suppdata/cc/b2/b201473d/. Chemical Communications, 2002, , 942-943.	2.2	61
124	Regio- and Stereoselective Reductive Coupling of Bicyclic Alkenes with Propiolates Catalyzed by Nickel Complexes: A Novel Route to Functionalized 1,2-Dihydroarenes and -Lactones. Chemistry - A European Journal, 2003, 9, 3164-3169.	1.7	61
125	A high triplet energy, high thermal stability oxadiazole derivative as the electron transporter for highly efficient red, green and blue phosphorescent OLEDs. Journal of Materials Chemistry C, 2015, 3, 1491-1496.	2.7	61
126	Synthesis of biarylketones and phthalides from organoboronic acids and aldehydes catalyzed by cobalt complexes. Chemical Communications, 2011, 47, 10461.	2.2	59

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127	Homogeneous catalysis of the water gas shift reaction using a platinum chloride-tin chloride system. Journal of the American Chemical Society, 1978, 100, 5968-5970.	6.6	58
128	Access to Isoquinolinâ€1(2â€‰H)â€ones and Pyridones by Cobaltâ€Catalyzed Oxidative Annulation of Amides with Allenes. ChemCatChem, 2017, 9, 273-277.	1.8	57
129	Synthesis of 1,2-Dihydroquinolines by Co(III)-Catalyzed [3 + 3] Annulation of Anilides with Benzylallenes. ACS Catalysis, 2018, 8, 1880-1883.	5.5	57
130	Palladium-Catalyzed Synthesis of 1,3-Dienes from Allenes and Organic Halides. Journal of Organic Chemistry, 2000, 65, 1767-1773.	1.7	56
131	Cyclization of Oxa-Bicyclic Alkenes with Î²-Iodo-(Z)-propenoates ando-Iodobenzoate Catalyzed by Nickel Complexes:â€‰ A Simple Efficient Route to Annulated Coumarins. Organic Letters, 2003, 5, 4903-4906.	2.4	56
132	Pdâ€Catalyzed Multiple Cï£¿H Functionalization to Construct Biologically Active Compounds from Aryl Aldoxime Ethers with Arenes. Chemistry - A European Journal, 2011, 17, 14723-14726.	1.7	56
133	Palladium-catalyzed stereoselective reductive coupling reactions of organic halides with 7-heteroatom norbornadienes. Tetrahedron Letters, 1993, 34, 4019-4022.	0.7	55
134	Carbosilylation of Allenes Catalyzed by Palladium Complexes:Â A New Efficient Route to Substituted Allylic Silanes. Journal of Organic Chemistry, 1999, 64, 2471-2474.	1.7	55
135	Triptycene derivatives as high-T_ghost materials for various electrophosphorescent devices. Journal of Materials Chemistry, 2010, 20, 798-805.	6.7	55
136	Cooperative C(sp³)â€“H and C(sp²)â€“H Activation of 2-Ethylpyridines by Copper and Rhodium: A Route toward Quinolizinium Salts. ACS Catalysis, 2015, 5, 4837-4841.	5.5	55
137	Cobaltâ€Catalyzed Oxidative Annulation of Nitrogenâ€Containing Arenes with Alkynes: An Atomâ€Economical Route to Heterocyclic Quaternary Ammonium Salts. Angewandte Chemie, 2016, 128, 1876-1880.	1.6	54
138	Highly chemoselective coupling of allenylstannanes with organic iodides promoted by Pd(PPh3)4/LiCl: an efficient method for the synthesis of substituted allenes. Tetrahedron, 2003, 59, 3635-3641.	1.0	53
139	A Highly Regio- and Stereoselective Nickel-Catalyzed Ring-Opening Reaction of Alkyl- and Allylzirconium Reagents to 7-Oxabenzonorbornadienes. Journal of Organic Chemistry, 2005, 70, 9545-9550.	1.7	53
140	Nickel-Catalyzed Synthesis of Benzocoumarins:Â Application to the Total Synthesis of Arnottin I. Journal of Organic Chemistry, 2006, 71, 8312-8315.	1.7	53
141	Nickel-catalyzed coupling of isocyanates with 1,3-iodoesters and halobenzenes: a novel method for the synthesis of imide and amide derivatives. Chemical Communications, 2005, , 4554.	2.2	52
142	Regioselective Synthesis of Î³â€Amino Esters, Nitriles, Sulfones, and Pyrrolidinones by Nickelâ€Catalyzed Reductive Coupling of Aldimines and Activated Alkenes. Angewandte Chemie - International Edition, 2008, 47, 4892-4895.	7.2	52
143	A thermally activated delayed blue fluorescent emitter with reversible externally tunable emission. Journal of Materials Chemistry C, 2016, 4, 900-904.	2.7	52
144	Reaching Green: Heterocycle Synthesis by Transition Metalâ€Catalyzed Câ€H Functionalization in Sustainable Medium. Chemistry - A European Journal, 2019, 25, 9366-9384.	1.7	52

#	Article	IF	Citations
145	A Universal Electron-Transporting/Exciton-Blocking Material for Blue, Green, and Red Phosphorescent Organic Light-Emitting Diodes (OLEDs). ACS Applied Materials & Interfaces, 2015, 7, 10466-10474.	4.0	51
146	Cobaltâ€Catalyzed Mild Ringâ€Opening Addition of Arenes Câˆ'H Bond to 7â€Oxabicyclic Alkenes. Advanced Synthesis and Catalysis, 2017, 359, 513-518.	2.1	50
147	Platinum Phosphors Containing an Arylâ€modified Î²â€Diketonate: Unusual Effect of Molecular Packing on Photoâ€and Electroluminescence. Advanced Functional Materials, 2011, 21, 3150-3158.	7.8	49
148	Rh(<scp>iii</scp>)-catalyzed synthesis of 1-substituted isoquinolinium salts via a Câ€“H bond activation reaction of ketimines with alkynes. Chemical Communications, 2014, 50, 3106-3108.	2.2	49
149	Steric Switching for Thermally Activated Delayed Fluorescence by Controlling the Dihedral Angles between Donor and Acceptor in Organoboron Emitters. ACS Applied Materials & Interfaces, 2019, 11, 10768-10776.	4.0	49
150	Thermally activated delayed fluorescence emitters with a m,m-di-tert-butyl-carbazolyl benzoylpyridine core achieving extremely high blue electroluminescence efficiencies. Journal of Materials Chemistry C, 2017, 5, 2919-2926.	2.7	48
151	Bromo induced reversible distinct color switching of a structurally simple donorâ€“acceptor molecule by vapo, piezo and thermal stimuli. Journal of Materials Chemistry C, 2015, 3, 3329-3335.	2.7	47
152	Ruthenium-Catalyzed Câ€“H Alkynylation of Aromatic Amides with Hypervalent Iodineâ€“Alkyne Reagents. Organic Letters, 2016, 18, 3314-3317.	2.4	47
153	Palladium-Catalyzed Reductive Couplings of Organic Halides with 7-Heteroatom Norbornadienes. New Synthetic Methods for Substituted Aryls and cis-1,2-Dihydro-1-naphthyl Alcohols and Carbamates. Organometallics, 1995, 14, 1608-1618.	1.1	46
154	Nickel-Catalyzed Addition of Alkenylzirconium Reagents to Bicyclic Olefins:Â A Highly Regio- and Stereoselective Ring-Opening Reaction. Journal of Organic Chemistry, 2004, 69, 8407-8412.	1.7	46
155	Cobalt-Catalyzed Regioselective Synthesis of Pyrrolidinone Derivatives by Reductive Coupling of Nitriles and Acrylamides. Journal of the American Chemical Society, 2009, 131, 18252-18253.	6.6	45
156	Synthesis of Î±â€Hydroxy Carboxylic Acids via a Nickel(II)â€Catalyzed Hydrogen Transfer Process. Advanced Synthesis and Catalysis, 2011, 353, 1918-1922.	2.1	45
157	Nickelâ€Catalyzed Mizorokiâ€“Heckâ€versus Michaelâ€Type Addition of Organoboronic Acids to Î±,Î²â€Unsaturated Alkenes through Fineâ€Tuning of Ligands. Chemistry - an Asian Journal, 2007, 2, 1409-1416.	1.7	44
158	The addition of alkyl halides to rhodium(I) dithiolene complexes. The synthesis, structure, and chemical properties of rhodium(III) acyl species. Journal of the American Chemical Society, 1977, 99, 3003-3011.	6.6	43
159	Highly Regioselective and Stereoselective Allylation of Aldehydes via Palladium-Catalyzed in Situ Hydrostannylation of Allenes. Organic Letters, 2000, 2, 3439-3442.	2.4	43
160	Regioâ€and Enantioselective Cobaltâ€Catalyzed Reductive [3+2] Cycloaddition Reaction of Alkynes with Cyclic Enones: A Route to Bicyclic Tertiary Alcohols. Angewandte Chemie - International Edition, 2012, 51, 10592-10595.	7.2	43
161	Rh-catalyzed oxidizing group-directed ortho Câ€“H vinylation of arenes by vinylstannanes. Chemical Communications, 2015, 51, 13362-13364.	2.2	43
162	Rhodium(III)â€Catalyzed orthoâ€Arylation of Anilides with Aryl Halides. Advanced Synthesis and Catalysis, 2015, 357, 366-370.	2.1	43

#	Article	IF	Citations
163	High-Performance Organic Light-Emitting Diode with Substitutionally Boron-Doped Graphene Anode. ACS Applied Materials & Interfaces, 2017, 9, 14998-15004.	4.0	43
164	New Iridium Dopants for White Phosphorescent Devices: Enhancement of Efficiency and Color Stability by an Energy-Harvesting Layer. ACS Applied Materials & Interfaces, 2013, 5, 6168-6175.	4.0	42
165	Palladium-catalyzed three-component coupling of arynes with allylic acetates or halides and terminal alkynes promoted by cuprous iodide. Chemical Communications, 2008, , 2158.	2.2	41
166	Synthesis of isochromenones and oxepines via Pd-catalyzed cascade cyclization of alkynes and benzynes involving Câ€“H activation. Chemical Communications, 2012, 48, 6580.	2.2	41
167	Rh^{III}-catalyzed dual directing group assisted sterically hindered Câ€“H bond activation: a unique route to meta and ortho substituted benzofurans. Organic and Biomolecular Chemistry, 2014, 12, 9105-9108.	1.5	41
168	Palladium-Catalyzed Dehydrogenative Î²-Arylation of Simple Saturated Carbonyls by Aryl Halides. ACS Catalysis, 2014, 4, 4485-4489.	5.5	40
169	Pyridine-Carbonitrileâ€“Carbazole-Based Delayed Fluorescence Materials with Highly Congested Structures and Excellent OLED Performance. ACS Applied Materials & Interfaces, 2019, 11, 21042-21048.	4.0	40
170	Nickelâ€Catalyzed Denitrogenative Annulation of 1,2,3â€Benzotriazinâ€4â€(3H)â€ones with Benzynes for Construction of Phenanthridinone Scaffolds. Advanced Synthesis and Catalysis, 2018, 360, 284-289.	2.1	39
171	Hydroarylations by cobalt-catalyzed Câ€“H activation. Beilstein Journal of Organic Chemistry, 2018, 14, 2266-2288.	1.3	39
172	[2 + 2] Dimerization of norbornadiene and its derivatives in the presence of nickel complexes and zinc metal. Journal of Organometallic Chemistry, 1995, 490, C1-C7.	0.8	38
173	Stereoselective [2â€…+â€…2â€…+â€…2] cocyclotrimerization of oxa- and azabenzonorbornadienesâ€Šâ€ with alkynes catalyzed by nickel complexes: first transition metal-mediated synthesis of isobenzofuran and isoindole precursors. Journal of the Chemical Society, Perkin Transactions 1, 2000, , 195-203.	1.3	38
174	Rhodium(III)â€Catalyzed in situ Oxidizing Directing Groupâ€•Assisted Cï£¿H Bond Activation and Olefination: A Route to 2â€Vinylanilines. Advanced Synthesis and Catalysis, 2015, 357, 761-766.	2.1	38
175	Palladium-Catalyzed Multistep Reactions Involving Ring Closure of 2-Iodophenoxyallenes and Ring Opening of Bicyclic Alkenes. Organic Letters, 2006, 8, 621-623.	2.4	37
176	Highly efficient deep-blue organic electroluminescent devices doped with hexaphenylanthracene fluorophores. Journal of Materials Chemistry, 2011, 21, 8122.	6.7	37
177	Synthesis of Seven-membered Lactones via Nickel- and Zinc-Catalyzed Highly Regio- and Stereoselective Cyclization of 2-Iodobenzyl Alcohols with Propiolates. Journal of the American Chemical Society, 2002, 124, 5630-5631.	6.6	36
178	Highly regio- and chemoselective [2 + 2 + 2] cycloaddition of 1,6-heptadiynes with allenes catalyzed by cobalt complexesElectronic supplementary information (ESI) available: synthesis and characterization of compounds 4 and 6. See http://www.rsc.org/suppdata/cc/b2/b212260j/. Chemical Communications, 2003, , 718-719.	2.2	36
179	Highly efficient deep-red organic electrophosphorescent devices with excellent operational stability using bis(indoloquinoxalinyl) derivatives as the host materials. Journal of Materials Chemistry C, 2013, 1, 5084.	2.7	36
180	Direct Synthesis of Protoberberine Alkaloids by Rhâ€Catalyzed Câ^'H Bond Activation as the Key Step. Chemistry - A European Journal, 2016, 22, 1800-1804.	1.7	36

#	Article	IF	Citations
181	Diastereoselective [3+2] Annulation of Aromatic/Vinylic Amides with Bicyclic Alkenes through Cobaltâ€Catalyzed Câ^'H Activation and Intramolecular Nucleophilic Addition. Angewandte Chemie, 2016, 128, 4380-4383.	1.6	36
182	Carbostannylation of allenes catalyzed by a palladium complex. Tetrahedron Letters, 1999, 40, 6055-6058.	0.7	35
183	Synthesis of Phthalide Derivatives Using Nickel-Catalyzed Cyclization ofo-Haloesters with Aldehydes. Chemistry - A European Journal, 2004, 10, 2991-2996.	1.7	35
184	Highly Selective Nickel-Catalyzed Three-Component Coupling of Alkynes with Enones and Alkenyl Boronic Acids: A Novel Route to Substituted 1,3-Dienes. Organic Letters, 2010, 12, 3610-3613.	2.4	35
185	Ruthenium(II)â€Catalyzed Cï£¿H Bond Activation: An Efficient Route toward Indenamines. ChemCatChem, 2014, 6, 2692-2697.	1.8	35
186	Nickel-Catalyzed Highly Regio- and Stereoselective Three-Component Assembly of Allenes, Aryl Iodides, and Alkenylzirconium Reagents. Journal of the American Chemical Society, 2003, 125, 12426-12427.	6.6	34
187	One-pot synthesis of benzolactones and lactams via a cobalt-catalyzed regioselective [2 + 2 + 2] cocyclotrimerization of alkynyl alcohols and amines with propiolates. Chemical Communications, 2005, , 4955.	2.2	34
188	Ironâ€Catalyzed Synthesis of Î²â€Chlorovinyl and Î±,Î²â€Alkynyl Ketones from Terminal and Silylated Alkynes with Acid Chlorides. Advanced Synthesis and Catalysis, 2012, 354, 457-468.	2.1	34
189	Exciplex Organic Light-Emitting Diodes with Nearly 20% External Quantum Efficiency: Effect of Intermolecular Steric Hindrance between the Donor and Acceptor Pair. ACS Applied Materials & Interfaces, 2019, 11, 19294-19300.	4.0	34
190	Nickelâ€Catalyzed Cyclization of orthoâ€Iodoketoximes and orthoâ€Iodoketimines with Alkynes: Synthesis of Highly Substituted Isoquinolines and Isoquinolinium Salts. Chemistry - an Asian Journal, 2012, 7, 306-313.	1.7	33
191	Synthesis of Vinyl Carboxylic Acids using Carbon Dioxide as a Carbon Source by Ironâ€Catalyzed Hydromagnesiation. ChemCatChem, 2016, 8, 2210-2213.	1.8	33
192	Synthesis of Biaryls via Unusual Deoxygenative Dimerization of 1,4-Epoxy-1,4-dihydroarenes Catalyzed by Palladium Complexes. Organic Letters, 2001, 3, 811-814.	2.4	32
193	The role of alcohol in the catalytic reductive carbonylation of nitrobenzenes to carbamates in the presence of Rh(CO)4â^' or Ru3(CO)12. Journal of Organometallic Chemistry, 1991, 420, 119-123.	0.8	31
194	Nickel-catalyzed cocyclotrimerization of oxa- and azabenzonorbornadienes with alkynes: reaction with multiple synthetic applications. New Journal of Chemistry, 1998, 22, 1147-1149.	1.4	31
195	Highly regio- and stereoselective silylstannation of allenes catalyzed by phosphine-free palladium complexesElectronic supplementary information (ESI) available: synthesis and characterization of compounds 4. See http://www.rsc.org/suppdata/cc/b2/b206488j/. Chemical Communications, 2002, , 2552-2553.	2.2	31
196	Copper-catalyzed three-component coupling of arynes, terminal alkynes and activated alkenes. Chemical Communications, 2008, , 5013.	2.2	31
197	Efficient organic light-emitting devices with platinum-complex emissive layer. Applied Physics Letters, 2011, 98, .	1.5	30
198	Synthesis and physical properties of meta-terphenyloxadiazole derivatives and their application as electron transporting materials for blue phosphorescent and fluorescent devices. Journal of Materials Chemistry, 2012, 22, 17792.	6.7	30

#	Article	IF	Citations
199	Quinolinylmethanone-Based Thermally Activated Delayed Fluorescence Emitters and the Application in OLEDs: Effect of Intramolecular H-Bonding. ACS Applied Materials & Interfaces, 2019, 11, 17128-17133.	4.0	30
200	Homo-Dielsâ€“Alder cycloadditions catalysed by cobaltâ€“triphenylphosphine-zinc systems. Journal of the Chemical Society Chemical Communications, 1991, , 1347-1348.	2.0	29
201	Unusual 1,4-Addition of 2-Pyridyl Carboxylates to Benzynes:Â A Convenient Route to 1-(2-Acylphenyl)-2-pyridones. Journal of Organic Chemistry, 2001, 66, 3646-3649.	1.7	29
202	Co(III)â€Catalyzed [4+1] Annulation of Amides with Allenes via Câˆ’H Activation. Advanced Synthesis and Catalysis, 2019, 361, 1140-1145.	2.1	29
203	Synthesis and photo- and electroluminescence properties of 3,6-disubstituted phenanthrenes: alternative host material for blue fluorophores. Chemical Communications, 2011, 47, 8865.	2.2	28
204	Nickel-catalyzed regio- and diastereoselective intermolecular three-component coupling of oxabicyclic alkenes with alkynes and organoboronic acids. Chemical Communications, 2013, 49, 1557.	2.2	28
205	Eneâ€Carbonyl Reductive Coupling Mediated by Zinc and Ammonia for the Synthesis of Î³â€Hydroxybutyric Acid Derivatives. Advanced Synthesis and Catalysis, 2013, 355, 1338-1344.	2.1	28
206	Controlled Synthesis of Enantioselective 1-Aminoindenes via Cobalt-Catalyzed [3 + 2] Annulation Reaction. ACS Catalysis, 2018, 8, 9364-9369.	5.5	28
207	Highly Regio- and Chemoselective Palladium-Catalyzed Propargylallylation of Activated Olefins:Â A Novel Route to 1,7-Enyne Derivatives. Journal of Organic Chemistry, 2004, 69, 4053-4062.	1.7	27
208	Synthesis and Chemistry of Fullerene Derivatives Bearing Phosphorus Substituents. Unusual Reaction of Phosphines with Electron-Deficient Acetylenes and C60. Journal of Organic Chemistry, 1999, 64, 6664-6669.	1.7	26
209	Experimental and Theoretical Studies on Iron-Promoted Oxidative Annulation of Arylglyoxal with Alkyne: Unusual Addition and Migration on the Aryl Ring. Journal of the American Chemical Society, 2017, 139, 17015-17021.	6.6	26
210	Palladium-catalyzed highly regio-, stereo- and chemoselective carbogermanylation of allenes: a novel method for the synthesis of 2-arylallylgermane derivativesElectronic supplementary information (ESI) available: synthesis and characterization of compounds 4 and 6. See http://www.rsc.org/suppdata/cc/b3/b305370a/. Chemical Communications, 2003, , 1746.	2.2	25
211	Recent Advances in the Synthesis of Quaternary Ammonium Salts via Transitionâ€Metalâ€Catalyzed Cï£¿H Bond Activation. Journal of the Chinese Chemical Society, 2018, 65, 11-23.	0.8	25
212	Olefin Hydrogenation by carbon monoxide and water using a platinum chloride-tin chloride catalyst system. Journal of Organometallic Chemistry, 1980, 190, C21-C24.	0.8	24
213	Highly Regio- and Chemoselective Palladium-Catalyzed Three-Component Assembly of Arylethylidene Malononitriles, Allylic Chlorides, and Allenylstannanes:â€‰ A Novel Route to 1,7-Enyne Derivatives. Organic Letters, 2003, 5, 881-884.	2.4	24
214	Cobalt(II)â€Catalyzed 1,4â€Addition of Organoboronic Acids to Activated Alkenes: An Application to Highly cisâ€Stereoselective Synthesis of Aminoindane Carboxylic Acid Derivatives. Chemistry - A European Journal, 2012, 18, 14918-14922.	1.7	24
215	Synthesis of transâ€Disubstituted Alkenes by Cobaltâ€Catalyzed Reductive Coupling of Terminal Alkynes with Activated Alkenes. Chemistry - A European Journal, 2012, 18, 11771-11777.	1.7	24
216	Iridium(III) complexes with cyclometalated styrylbenzoimidazole ligands: Synthesis, electrochemistry and as highly efficient emitters for organic light-emitting diodes. Synthetic Metals, 2010, 160, 1906-1911.	2.1	23

#	Article	IF	Citations
217	Enabling a 6.5% External Quantum Efficiency Deep-Blue Organic Light-Emitting Diode with a Solution-Processable Carbazole-Based Emitter. Journal of Physical Chemistry C, 2018, 122, 24295-24303.	1.5	23
218	Cobalt-catalyzed cyclotrimerization of diynes with norbornenes in one efficient step. Tetrahedron, 2004, 60, 10005-10009.	1.0	22
219	Facile one-pot synthesis of 2,3-dihydro-1H-indolizinium derivatives by rhodium(<scp>iii</scp>)-catalyzed intramolecular oxidative annulation via Câ€“H activation: application to ficuseptine synthesis. Chemical Communications, 2017, 53, 2491-2494.	2.2	22
220	Rhenium(I)â€Catalyzed orthoâ€câ^'H Addition to Bicyclic Alkenes. Chemistry - an Asian Journal, 2018, 13, 1664-1668.	1.7	22
221	Phosphine-mediated [2 + 2] cycloaddition of internal alk-2-ynoate and alk-2-ynone to [60]fullerene. Journal of the Chemical Society Chemical Communications, 1995, , 2473.	2.0	21
222	Fullerene Derivatives Bearing a Phosphite Ylide, Phosphonate, Phosphine Oxide, and Phosphonic Acid:Â Synthesis and Reactivities. Journal of Organic Chemistry, 1999, 64, 8868-8872.	1.7	21
223	Nickelâ€Catalyzed Regioâ€and Stereoselective Reductive Coupling of Oxaâ€and Azabicyclic Alkenes with Enones and Electronâ€Rich Alkynes. Advanced Synthesis and Catalysis, 2014, 356, 2239-2246.	2.1	21
224	Nickel-catalyzed highly chemo- and stereoselective borylative cyclization of 1,6-enynes with bis(pinacolato)diboron. Organic Chemistry Frontiers, 2017, 4, 1615-1619.	2.3	21
225	Palladiumâ€Catalyzed Selective Aryl Ring Câ€“H Activation of Nâ€Acylâ€2â€aminobiaryls: Efficient Access to Multiarylâ€Substituted Naphthalenes. Advanced Synthesis and Catalysis, 2016, 358, 3642-3648.	2.1	20
226	Highly efficient white organic light-emitting diodes based on broad excimer emission of iridium complex. Organic Electronics, 2010, 11, 1165-1171.	1.4	19
227	Nickelâ€Catalyzed Chemoâ€and Stereoselective Alkenylative Cyclization of 1,6â€Enynes with Alkenyl Boronic Acids. Chemistry - A European Journal, 2013, 19, 12212-12216.	1.7	19
228	Copper promoted synthesis of substituted quinolines from benzylic azides and alkynes. RSC Advances, 2015, 5, 106012-106018.	1.7	19
229	High-performing Dâ€“Ïâ€“Aâ€“Ïâ€“D benzothiadiazole-based hybrid local and charge-transfer emitters in solution-processed OLEDs. Journal of Materials Chemistry C, 2020, 8, 17009-17015.	2.7	19
230	Synthesis and electroluminescent properties of Ir complexes with benzo[c]acridine or 5,6-dihydro-benzo[c]acridine ligands. Thin Solid Films, 2008, 516, 6186-6190.	0.8	18
231	Synthesis of Substituted Quinolines by Iron(III)â€Catalyzed Threeâ€Component Coupling Reaction of Aldehydes, Amines, and Styrenes. Asian Journal of Organic Chemistry, 2014, 3, 303-308.	1.3	18
232	Cobaltâ€Catalyzed Dual Annulation of oâ€Halobenzaldimine with Alkyne: A Powerful Route toward Bioactive Indenoisoquinolinones. Chemistry - A European Journal, 2015, 21, 9544-9549.	1.7	18
233	Nickelâ€Catalyzed Denitrogenative orthoâ€Arylation of Benzotriazinones with Organic Boronic Acids: an Efficient Route to Losartan and Irbesartan Drug Molecules. Advanced Synthesis and Catalysis, 2018, 360, 4784-4789.	2.1	18
234	Synthesis of a highly phosphorescent emitting iridium(III) complex and its application in OLEDs. Journal of Organometallic Chemistry, 2008, 693, 2798-2802.	0.8	17

#	Article	IF	Citations
235	Fullerene Derivatives Incorporating Phosphoramidous Ylide and Phosphoramidate: Synthesis and Property. Journal of Organic Chemistry, 2009, 74, 4866-4869.	1.7	17
236	Eneâ€Carbonyl Reductive Coupling for the Synthesis of 3,3â€Disubstituted Phthalide, 3â€Hydroxyisoindolinâ€1â€one and 3â€Hydroxyoxindole Derivatives. Advanced Synthesis and Catalysis, 2014, 356, 831-842.	2.1	17
237	Rhodiumâ€Catalyzed Regioselective Synthesis of Isoindolium Salts from 2â€Arylpyridines and Alkenes in Aqueous Medium under Oxygen. Advanced Synthesis and Catalysis, 2016, 358, 3381-3386.	2.1	17
238	High-efficient phosphorescent iridium(III) complexes with benzimidazole ligand for organic light-emitting diodes: Synthesis, electrochemistry and electroluminescent properties. Journal of Organometallic Chemistry, 2009, 694, 2415-2420.	0.8	16
239	Platinumâ€Catalyzed Multiâ€Step Reaction of Propargyl Alcohols with Nâ€Heteroaromatics. Chemistry - an Asian Journal, 2010, 5, 141-146.	1.7	16
240	Effects of intramolecular hydrogen bonding on the conformation and luminescence properties of dibenzoylpyridine-based thermally activated delayed fluorescence materials. Journal of Materials Chemistry C, 2019, 7, 13104-13110.	2.7	16
241	Transition-Metal-Free Tandem Cyclization/N-Arylation Reaction: A Method To Access Biaryl Sultam Derivatives via a Diradical Pathway. Organic Letters, 2020, 22, 6623-6627.	2.4	16
242	The rhodium(I) anion carbonyl(maleonitriledithiolato)(triethylphosphine)rhodate(I) and acyl complexes derived from its reaction with alkyl halides. Inorganic Chemistry, 1979, 18, 1418-1424.	1.9	15
243	A versatile ferrocene-containing material as a p-type charge generation layer for high-performance full color tandem OLEDs. Chemical Communications, 2016, 52, 14294-14297.	2.2	15
244	Palladium-Catalyzed Câ€“H Activation and Cyclization of Anilides with 2-Iodoacetates and 2-Iodobenzoates: An Efficient Method toward Oxindoles and Phenanthridones. Synthesis, 2016, 48, 1872-1879.	1.2	15
245	Re^I-Catalyzed highly regio- and stereoselective Câ€“H addition to terminal and internal alkynes. Organic Chemistry Frontiers, 2019, 6, 432-436.	2.3	15
246	Palladium-Catalyzed Addition of Alkyne to Norbornene Derivatives. Unusual Ring Formation and Expansion Reactions. Organometallics, 1994, 13, 1832-1839.	1.1	14
247	Diffusion study of multi-organic layers in OLEDs by ToF-SIMS. Applied Surface Science, 2006, 252, 6594-6596.	3.1	14
248	Highly efficient organic light-emitting diodes (OLEDs) based on an iridium complex with rigid cyclometalated ligand. Organic Electronics, 2010, 11, 632-640.	1.4	14
249	Nickel-catalyzed regio- and stereoselective homo 1,4-dialkenylation of conjugated dienes. Tetrahedron, 1998, 54, 1041-1052.	1.0	13
250	Novel Bismethanofullerenes and Ethenofullerene from the Reaction of Propiolates with C60in the Presence of Triphenylphosphine. Journal of Organic Chemistry, 1998, 63, 6119-6122.	1.7	13
251	Alkene-Assisted Nickel-Catalyzed Regioselective 1,4-Addition of Organoboronic Acid to Dienones: A Direct Route to All-Carbon Quaternary Centers. Organic Letters, 2014, 16, 2806-2809.	2.4	13
252	A simple route to 1,4-addition reactions by Co-catalyzed reductive coupling of organic tosylates and triflates with activated alkenes. Chemical Communications, 2017, 53, 11584-11587.	2.2	13

#	Article	IF	Citations
253	Palladium-catalyzed intermolecular carboazidation of allenes with aryl iodides and trimethylsilyl azide. Journal of the Chemical Society, Perkin Transactions 1, 2000, , 3799-3807.	1.3	12
254	Novel Acid-Catalyzed Rearrangement of Methanofullerenes Bearing an Î±-Ylidic Ester to Cyclopentanofullerenes:â€‰A Vinyl Cyclopropane-Type Ring Expansion. Journal of Organic Chemistry, 2003, 68, 3811-3816.	1.7	12
255	Functional Pyreneâ€“Pyridine-Integrated Hole-Transporting Materials for Solution-Processed OLEDs with Reduced Efficiency Roll-Off. ACS Omega, 2021, 6, 10515-10526.	1.6	12
256	Synthesis of nortricyclenes from norbornadiene using palladium complexes and zinc powder. Journal of the Chemical Society Chemical Communications, 1990, , 1774.	2.0	11
257	Unsymmetrical biaryls from dialkylacetylenes and aryl iodides in the presence of nickel halides and zinc metal. Journal of the Chemical Society Chemical Communications, 1991, , 423.	2.0	11
258	Rhodium-Catalyzed Gram-Scale Synthesis of Highly Substituted Pyridine Derivatives. Synthesis, 2009, 2009, 1400-1402.	1.2	11
259	High Energy Gap OLED Host Materials for Green and Blue PHOLED Materials. Journal of Display Technology, 2009, 5, 236-240.	1.3	11
260	[4+2] vs [3+2] Annulations in the Nickelâ€•and Cobaltâ€Catalyzed Reaction of orthoâ€Haloimines with Alkynes: Differential Reactivity towards the Synthesis of Isoquinolines and Aminoindenes. Journal of the Chinese Chemical Society, 2014, 61, 59-66.	0.8	10
261	A reactive rhodium(I) carbonyl dithiolate and the formation of acyl and hydride species. Journal of Organometallic Chemistry, 1977, 142, C65-C68.	0.8	9
262	A concise synthesis of quinolinium, and biquinolinium salts and biquinolines from benzylic azides and alkenes promoted by copper(<scp>ii</scp>) species. RSC Advances, 2016, 6, 63390-63397.	1.7	9
263	Reaction of Carbon Anions With Iron Î±,Î²â€Unsaturated Ketimine Complexes. Journal of the Chinese Chemical Society, 1988, 35, 261-266.	0.8	8
264	On the Improvement of Blue Emission for All sp²-Hybridized Bistriphenylenyls: Incorporating Phenylenyl Moieties To Enhance Film Amorphism. Journal of Physical Chemistry C, 2009, 113, 7405-7410.	1.5	8
265	Novel cyclization and reductive coupling of bicyclic olefins with alkyl propiolates catalyzed by nickel complexes. Pure and Applied Chemistry, 2002, 74, 69-75.	0.9	7
266	On the Nanoaggregated Emitter of All sp²-Hybridized Bistriphenylenyl in the Device Layout of Organic Light-Emitting Diodes. Journal of Physical Chemistry C, 2008, 112, 3097-3102.	1.5	6
267	Synthesis, characterization, and electroluminescent properties of iridium complex containing 4-phenybenzoquinoline ligand. Synthetic Metals, 2009, 159, 2070-2074.	2.1	6
268	Isomerization Reaction of mer- to fac-Tris(2-phenylpyridinato-N,C2â€²)Iridium(III) Monitored by Using Surface-Enhanced Raman Spectroscopy. Inorganic Chemistry, 2018, 57, 4448-4455.	1.9	6
269	Impact of the Valence Charge of Transition Metals on the Cobalt- and Rhodium-Catalyzed Synthesis of Indenamines, Indenols, and Isoquinolinium Salts: A Catalytic Cycle Involving M^{III}/M^V [M = Co, Rh] for [4 + 2] Annulation. Journal of Organic Chemistry, 2018, 83, 7814-7824.	1.7	6
270	Constitutional isomers of carbazoleâ€“benzoyl-pyrimidine-based thermally activated delayed fluorescence emitters for efficient OLEDs. Journal of Materials Chemistry C, 2021, 9, 15900-15909.	2.7	6

#	Article	IF	Citations
271	Substituted 1-Allyl-2-allenylbenzenes via Palladium-Catalyzed Allylallenylation of Benzyne Derivatives. Synthesis, 2005, 2005, 1693-1697.	1.2	5
272	Molecular Engineering for the Development of a Discotic Nematic Mesophase and Solid-State Emitter in Deep-Blue OLEDs. Journal of Organic Chemistry, 2021, 86, 7256-7262.	1.7	5
273	Nickel-Catalyzed Denitrogenative Cyclization of 1,2,3,4-Benzothiatriazin-1,1(2H)-dioxides with Arynes To Synthesize Biaryl Sultams. Organic Letters, 2022, 24, 2915-2920.	2.4	4
274	Synthesis and luminescent properties of Ir complexes with fluorine substituted phenylpyridine derivative ligands. Synthetic Metals, 2008, 158, 912-916.	2.1	3
275	Synthesis of Trisubstituted Acrylic Acids through Nickelâ€Catalyzed Carbomagnesiation of Alkynes and Carbon Dioxide Fixation. European Journal of Organic Chemistry, 2018, 2018, 6924-6928.	1.2	3
276	Increase the molecular length and donor strength to boost horizontal dipole orientation for high-efficiency OLEDs. Journal of Materials Chemistry C, 2022, 10, 9241-9248.	2.7	3
277	Synthesis and Fluxional Behavior of Intramolecular Î·2-Arene Complexes via Insertion of Substituted 7-Oxanorbornene into Palladium-Carbon Bonds. Journal of the Chinese Chemical Society, 1994, 41, 749-754.	0.8	2
278	RÃ¼cktitelbild: Diastereoselective [3+2] Annulation of Aromatic/Vinylic Amides with Bicyclic Alkenes through Cobaltâ€Catalyzed Câˆ'H Activation and Intramolecular Nucleophilic Addition (Angew. Chem.) Tj ETQq0 0 0 rgBT /Overlock 10 T	1.6	2
279	Feâ€catalyzed hydrohalogenative cyclization of cyclohexadienoneâ€containing enynes. Journal of the Chinese Chemical Society, 2019, 66, 1221-1226.	0.8	2
280	A Modified Water-Gas Shift Reaction. The Decomposition of Alkyl Formate in the Presence of Water Using a Ruthenium Carbonyl. Journal of the Chinese Chemical Society, 1991, 38, 235-238.	0.8	1
281	Synthesis of Quinolinium Salts from Nâ€Substituted Anilines, Aldehydes, Alkynes, and Acids: Theoretical Understanding of the Mechanism and Regioselectivity. European Journal of Organic Chemistry, 2020, 2020, 2116-2129.	1.2	1
282	Regioselective Synthesis of Indenols via Nickel-Catalyzed Carbocyclization Reaction.. ChemInform, 2003, 34, no.	0.1	0
283	Cobalt-Catalyzed Carbocyclization of o-Iodobenzaldehydes and o-Iodophenylketones with Alkynes.. ChemInform, 2004, 35, no.	0.1	0
284	Highly Regio- and Chemoselective Palladium-Catalyzed Propargylallylation of Activated Olefins: A Novel Route to 1,7-Enyne Derivatives.. ChemInform, 2004, 35, no.	0.1	0
285	Palladium-Catalyzed Allylalkynylation of Benzynes: A Highly Efficient Route to Substituted 1-Allyl-2-alkynylbenzenes.. ChemInform, 2004, 35, no.	0.1	0
286	Cobalt-Catalyzed Dimerization of Alkenes.. ChemInform, 2004, 35, no.	0.1	0
287	Cobalt-Catalyzed Cyclotrimerization of Diynes with Norbornenes in One Efficient Step.. ChemInform, 2005, 36, no.	0.1	0
288	Nickel-Catalyzed Cocyclotrimerization of Arynes with Diynes; a Novel Method for Synthesis of Naphthalene Derivatives.. ChemInform, 2005, 36, no.	0.1	0

#	Article	IF	Citations
289	Highly Efficient Route to o-Allylbiaryls via Palladium-Catalyzed Three-Component Coupling of Benzynes, Allylic Halides, and Aryl Organometallic Reagents.. ChemInform, 2005, 36, no.	0.1	0
290	Substituted 1-Allyl-2-allenylbenzenes via Palladium-Catalyzed Allylallenylation of Benzyne Derivatives.. ChemInform, 2005, 36, no.	0.1	0
291	Study on carrier transport of thick OLEDs. , 2006, 6192, 293.		0
292	Study of ion bombardment effect for Alq3 films. Applied Surface Science, 2006, 252, 6375-6378.	3.1	0
293	Nickel-Catalyzed Coupling of Isocyanates with 1,3-Iodoesters and Halobenzenes: A Novel Method for the Synthesis of Imide and Amide Derivatives.. ChemInform, 2006, 37, no.	0.1	0
294	One-Pot Synthesis of Benzolactones and Lactams via a Cobalt-Catalyzed Regioselective [2 + 2 + 2] Cocyclotrimerization of Alkynyl Alcohols and Amines with Propiolates.. ChemInform, 2006, 37, no.	0.1	0
295	Nickelâ€Catalyzed Highly Regioâ€•and Stereoselective Cyclization of Oxanorbornenes with Alkyl Propiolates: A Novel Method for the Synthesis of Benzocoumarin Derivatives.. ChemInform, 2001, 32, 143-143.	0.1	0
296	Synthesis of Sevenâ€Membered Lactones via Nickelâ€•and Zincâ€Catalyzed Highly Regioâ€•and Stereoselective Cyclization of 2â€Iodobenzyl Alcohols with Propiolates.. ChemInform, 2002, 33, 44-44.	0.1	0
297	Highly Stereoselective Ringâ€Opening Addition of Terminal Acetylenes to Bicyclic Olefins Catalyzed by Nickel Complexes.. ChemInform, 2002, 33, 108-108.	0.1	0
298	The Chemical Society Located in Taipei. Chemistry - an Asian Journal, 2011, 6, 2852-2855.	1.7	0
299	Benzoylpyridine-carbazole based TADF materials and devices (Conference Presentation). , 2016, , .		0
300	Frontispiece: Reaching Green: Heterocycle Synthesis by Transition Metalâ€Catalyzed Câ^'H Functionalization in Sustainable Medium. Chemistry - A European Journal, 2019, 25, .	1.7	0