Liang-Qiu Lu

List of Publications by Year
in descending order

138 papers	14,700 citations	14655 66 h-index	19190 118 g-index
195 all docs	195 docs citations	195 times ranked	8171 citing authors

#	Article	IF	Citations
1	Visible light photoredox-controlled reactions of N-radicals and radical ions. Chemical Society Reviews, 2016, 45, 2044-2056.	38.1	952
2	Visibleâ€Lightâ€Induced Organic Photochemical Reactions through Energyâ€Transfer Pathways. Angewandte Chemie - International Edition, 2019, 58, 1586-1604.	13.8	739
3	Exploration of Visible-Light Photocatalysis in Heterocycle Synthesis and Functionalization: Reaction Design and Beyond. Accounts of Chemical Research, 2016, 49, 1911-1923.	15.6	533
4	Development of Cascade Reactions for the Concise Construction of Diverse Heterocyclic Architectures. Accounts of Chemical Research, 2012, 45, 1278-1293.	15.6	502
5	Highly Efficient Aerobic Oxidative Hydroxylation of Arylboronic Acids: Photoredox Catalysis Using Visible Light. Angewandte Chemie - International Edition, 2012, 51, 784-788.	13.8	442
6	Visibleâ€Lightâ€Induced Oxidation/[3+2] Cycloaddition/Oxidative Aromatization Sequence: A Photocatalytic Strategy To Construct Pyrrolo[2,1â€<i>a</i>]isoquinolines. Angewandte Chemie - International Edition, 2011, 50, 7171-7175.	13.8	390
7	Visible light-driven organic photochemical synthesis in China. Science China Chemistry, 2019, 62, 24-57.	8.2	374
8	Formal [4+1] Annulation Reactions in the Synthesis of Carbocyclic and Heterocyclic Systems. Chemical Reviews, 2015, 115, 5301-5365.	47.7	350
9	Efficient Visible Light-Driven Splitting of Alcohols into Hydrogen and Corresponding Carbonyl Compounds over a Ni-Modified CdS Photocatalyst. Journal of the American Chemical Society, 2016, 138, 10128-10131.	13.7	303
10	Decarboxylative Alkynylation and Carbonylative Alkynylation of Carboxylic Acids Enabled by Visibleâ€Light Photoredox Catalysis. Angewandte Chemie - International Edition, 2015, 54, 11196-11199.	13.8	280
11	Visibleâ€Lightâ€Induced Formal [3+2] Cycloaddition for Pyrrole Synthesis under Metalâ€Free Conditions. Angewandte Chemie - International Edition, 2014, 53, 5653-5656.	13.8	271
12	Redoxâ€Neutral Î±â€Allylation of Amines by Combining Palladium Catalysis and Visibleâ€Light Photoredox Catalysis. Angewandte Chemie - International Edition, 2015, 54, 1625-1628.	13.8	241
13	Beyond sulfide-centric catalysis: recent advances in the catalytic cyclization reactions of sulfur ylides. Chemical Society Reviews, 2017, 46, 4135-4149.	38.1	229
14	Catalytic Asymmetric [4 + 1] Annulation of Sulfur Ylides with Copperâ€“Allenylidene Intermediates. Journal of the American Chemical Society, 2016, 138, 8360-8363.	13.7	225
15	Sequential Visible-Light Photoactivation and Palladium Catalysis Enabling Enantioselective [4+2] Cycloadditions. Journal of the American Chemical Society, 2017, 139, 14707-14713.	13.7	213
16	Bifunctional Photocatalysts for Enantioselective Aerobic Oxidation of Î²-Ketoesters. Journal of the American Chemical Society, 2017, 139, 63-66.	13.7	207
17	Highly Chemoselective Metal-Free Reduction of Phosphine Oxides to Phosphines. Journal of the American Chemical Society, 2012, 134, 18325-18329.	13.7	193
18	Enantioselective Trapping of Pd-Containing 1,5-Dipoles by Photogenerated Ketenes: Access to 7-Membered Lactones Bearing Chiral Quaternary Stereocenters. Journal of the American Chemical Society, 2019, 141, 133-137.	13.7	182

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19	Asymmetric Propargylic Radical Cyanation Enabled by Dual Organophotoredox and Copper Catalysis. Journal of the American Chemical Society, 2019, 141, 6167-6172.	13.7	174
20	Visibleâ€Lightâ€Driven Photoredox Catalysis in the Construction of Carbocyclic and Heterocyclic Ring Systems. European Journal of Organic Chemistry, 2013, 2013, 6755-6770.	2.4	173
21	Room Temperature Cï£¿P Bond Formation Enabled by Merging Nickel Catalysis and Visibleâ€Lightâ€Induced Photoredox Catalysis. Chemistry - A European Journal, 2015, 21, 4962-4965.	3.3	170
22	Visible light-induced intramolecular cyclization reactions of diamines: a new strategy to construct tetrahydroimidazoles. Chemical Communications, 2011, 47, 8337.	4.1	164
23	Highly Enantioselective Friedelâ€“Crafts Alkylation/<i>N</i>â€Hemiacetalization Cascade Reaction with Indoles. Angewandte Chemie - International Edition, 2013, 52, 3250-3254.	13.8	163
24	Metalâ€Free, Roomâ€Temperature, Radical Alkoxycarbonylation of Aryldiazonium Salts through Visibleâ€Light Photoredox Catalysis. Angewandte Chemie - International Edition, 2015, 54, 2265-2269.	13.8	163
25	P,Sâ€…Ligands for the Asymmetric Construction of Quaternary Stereocenters in Palladiumâ€Catalyzed Decarboxylative [4+2] Cycloadditions. Angewandte Chemie - International Edition, 2016, 55, 2200-2204.	13.8	158
26	A New Entry to Cascade Organocatalysis: Reactions of Stable Sulfur Ylides and Nitroolefins Sequentially Catalyzed by Thiourea and DMAP. Journal of the American Chemical Society, 2008, 130, 6946-6948.	13.7	152
27	Asymmetric trapping of zwitterionic intermediates by sulphur ylides in a palladium-catalysed decarboxylation-cycloaddition sequence. Nature Communications, 2014, 5, 5500.	12.8	152
28	Deaminative (Carbonylative) Alkylâ€Heckâ€type Reactions Enabled by Photocatalytic Câˆ’N Bond Activation. Angewandte Chemie - International Edition, 2019, 58, 2402-2406.	13.8	148
29	Synthesis of Indoles through Highly Efficient Cascade Reactions of Sulfur Ylides and <i>N</i>â€(<i>ortho</i>â€Chloromethyl)aryl Amides. Angewandte Chemie - International Edition, 2012, 51, 9137-9140.	13.8	135
30	Visible-light-induced photocatalytic oxytrifluoromethylation of N-allylamides for the synthesis of CF₃-containing oxazolines and benzoxazines. Chemical Communications, 2015, 51, 3537-3540.	4.1	134
31	[3 + 2] Cycloaddition/Oxidative Aromatization Sequence via Photoredox Catalysis: One-Pot Synthesis of Oxazoles from 2<i>H</i>-Azirines and Aldehydes. Organic Letters, 2015, 17, 4070-4073.	4.6	120
32	Transition-metal-catalyzed cyclization reactions using vinyl and ethynyl benzoxazinones as dipole precursors. Tetrahedron Letters, 2018, 59, 1521-1530.	1.4	116
33	Light opens a new window for N-heterocyclic carbene catalysis. Chemical Science, 2020, 11, 10605-10613.	7.4	114
34	Visible-Light-Driven Organic Photochemical Reactions in the Absence of External Photocatalysts. Synthesis, 2019, 51, 3021-3054.	2.3	110
35	[4+3] Cycloaddition of in situ generated azoalkenes with C,N-cyclic azomethine imines: efficient synthesis of tetrazepine derivatives. Chemical Communications, 2013, 49, 7905.	4.1	106
36	Ironâ€Catalyzed Decarboxylative (4+1) Cycloadditions: Exploiting the Reactivity of Ambident Ironâ€Stabilized Intermediates. Angewandte Chemie - International Edition, 2016, 55, 2840-2844.	13.8	102

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37	Exploration of a Chiral Cobalt Catalyst for Visibleâ€Lightâ€Induced Enantioselective Radical Conjugate Addition. Angewandte Chemie - International Edition, 2019, 58, 13375-13379.	13.8	101
38	Enantioselective Radical Carbocyanation of 1,3-Dienes via Photocatalytic Generation of Allylcopper Complexes. Journal of the American Chemical Society, 2021, 143, 4168-4173.	13.7	101
39	Relay Iron/Chiral BrÃ¸nsted Acid Catalysis: Enantioselective Hydrogenation of Benzoxazinones. Journal of the American Chemical Society, 2015, 137, 2763-2768.	13.7	96
40	Tuning Electronic and Steric Effects: Highly Enantioselective [4+1] Pyrroline Annulation of Sulfur Ylides with Î±,Î²â€Unsaturated Imines. Angewandte Chemie - International Edition, 2010, 49, 4495-4498.	13.8	95
41	Recent advances in transition-metal-catalysed asymmetric coupling reactions with light intervention. Chemical Society Reviews, 2021, 50, 12808-12827.	38.1	94
42	Photocatalytic aerobic oxidation/semipinacol rearrangement sequence: a concise route to the core of pseudoindoxyl alkaloids. Tetrahedron Letters, 2014, 55, 4648-4652.	1.4	93
43	Practical heterogeneous photoredox/nickel dual catalysis for Câ€"N and Câ€"O coupling reactions. Chemical Communications, 2019, 55, 4853-4856.	4.1	93
44	Construction of Optically Active Indolines by Formal [4+1] Annulation of Sulfur Ylides and <i>N</i>â€(<i>ortho</i>â€Chloromethyl)aryl Amides. Chemistry - A European Journal, 2013, 19, 8401-8404.	3.3	92
45	Enantioselective Cascade Michael Addition/Cyclization Reactions of 3â€Nitroâ€2<i>H</i>â€Chromenes with 3â€Isothiocyanato Oxindoles: Efficient Synthesis of Functionalized Polycyclic Spirooxindoles. Chemistry - A European Journal, 2014, 20, 3415-3420.	3.3	92
46	Synthesis of CF₃-Containing 3,3â€²-Cyclopropyl Spirooxindoles by Sequential [3 + 2] Cycloaddition/Ring Contraction of Ylideneoxindoles with 2,2,2-Trifluorodiazoethane. Journal of Organic Chemistry, 2014, 79, 2296-2302.	3.2	92
47	A Copperâ€Catalyzed Decarboxylative Amination/Hydroamination Sequence: Switchable Synthesis of Functionalized Indoles. Angewandte Chemie - International Edition, 2016, 55, 12422-12426.	13.8	91
48	Synergetic iridium and amine catalysis enables asymmetric [4+2] cycloadditions of vinyl aminoalcohols with carbonyls. Nature Communications, 2019, 10, 2716.	12.8	91
49	Ironâ€Catalyzed Hydrogenation for the In Situ Regeneration of an NAD(P)H Model: Biomimetic Reduction of Î±â€Ketoâ€/Î±â€Iminoesters. Angewandte Chemie - International Edition, 2013, 52, 8382-8386.	13.8	85
50	Construction of Fused Heterocyclic Architectures by Formal [4+1]/[3+2] Cycloaddition Cascade of Sulfur Ylides and Nitroolefins. Angewandte Chemie - International Edition, 2009, 48, 9542-9545.	13.8	83
51	Palladiumâ€Catalyzed Asymmetric [8+2] Dipolar Cycloadditions of Vinyl Carbamates and Photogenerated Ketenes. Angewandte Chemie - International Edition, 2020, 59, 14096-14100.	13.8	82
52	Enantioconvergent Copper Catalysis: <i>In Situ</i> Generation of the Chiral Phosphorus Ylide and Its Wittig Reactions. Journal of the American Chemical Society, 2017, 139, 12847-12854.	13.7	81
53	Copperâ€Catalyzed Enantioselective Inverse Electronâ€Demand Heteroâ€Dielsâ€"Alder Reactions of Diazadienes with Enol Ethers: Efficient Synthesis of Chiral Pyridazines. Advanced Synthesis and Catalysis, 2013, 355, 3539-3544.	4.3	80
54	Visibleâ€Lightâ€Induced Cï£¿S Bond Activation: Facile Access to 1,4â€Diketones from Î²â€Ketosulfones. Chemistry - A European Journal, 2014, 20, 3045-3049.	3.3	80

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55	Inverseâ€Electronâ€Demand Palladiumâ€Catalyzed Asymmetric [4+2] Cycloadditions Enabled by Chiral P,Sâ€Ligand and Hydrogen Bonding. Angewandte Chemie - International Edition, 2019, 58, 11013-11017.	13.8	77
56	Enantioselective Intramolecular Crossed Rauhutâ€"Currier Reactions through Cooperative Nucleophilic Activation and Hydrogenâ€Bonding Catalysis: Scope and Mechanistic Insight. Chemistry - A European Journal, 2011, 17, 6484-6491.	3.3	76
57	Visible Light Photocatalytic Radicalâ€"Radical Cross-Coupling Reactions of Amines and Carbonyls: A Route to 1,2-Amino Alcohols. Journal of Organic Chemistry, 2016, 81, 7237-7243.	3.2	76
58	<i>De Novo</i> Synthesis of Î³,Î³â€Disubstituted Butyrolactones through a Visible Light Photocatalytic Arylationâ€"Lactonization Sequence. Advanced Synthesis and Catalysis, 2014, 356, 2787-2793.	4.3	74
59	Asymmetric Cyclopropanation of Î²,Î³-Unsaturated Î±-Ketoesters with Stabilized Sulfur Ylides Catalyzed by <i>C</i>₂-Symmetric Ureas. Journal of Organic Chemistry, 2011, 76, 281-284.	3.2	73
60	Asymmetric Friedelâ€"Crafts Alkylations of Indoles with Ethyl Glyoxylate Catalyzed by (<i>S</i>)â€BINOLâ€Titanium(IV) Complex: Direct Access to Enantiomerically Enriched 3â€Indolyl(hydroxy)acetates. Advanced Synthesis and Catalysis, 2007, 349, 1597-1603.	4.3	72
61	Enantioselective Di-/Perfluoroalkylation of Î²-Ketoesters Enabled by Cooperative Photoredox/Nickel Catalysis. Organic Letters, 2018, 20, 461-464.	4.6	72
62	Organocatalytic Multiple Cascade Reactions: A New Strategy for the Construction of Enantioenriched Tetrahydrocarbazoles. Advanced Synthesis and Catalysis, 2011, 353, 617-623.	4.3	69
63	Highly Stereoselective [3+2] Cycloadditions of Chiral Palladiumâ€Containing <i>N</i>¹â€1,3â€Dipoles: A Divergent Approach to Enantioenriched Spirooxindoles. Chemistry - A European Journal, 2016, 22, 6243-6247.	3.3	69
64	Divergent Synthesis of Polycyclic Indolines: Copper-Catalyzed Cascade Reactions of Propargylic Carbamates and Indoles. Organic Letters, 2017, 19, 4098-4101.	4.6	68
65	Catalytic Asymmetric Intramolecular Hydroarylations of Ï‰â€Aryloxyâ€and Arylaminoâ€Tethered Î±,Î²â€Unsaturated Aldehydes. Chemistry - A European Journal, 2009, 15, 2742-2746.	3.3	66
66	Visibleâ€Lightâ€Induced Formal [3+2] Cycloaddition for Pyrrole Synthesis under Metalâ€Free Conditions. Angewandte Chemie, 2014, 126, 5759-5762.	2.0	65
67	Visible light-photocatalysed carbazole synthesis via a formal (4+2) cycloaddition of indole-derived bromides and alkynes. Chemical Communications, 2016, 52, 5128-5131.	4.1	64
68	Metallaphotoredox catalysis for multicomponent coupling reactions. Green Chemistry, 2021, 23, 5379-5393.	9.0	64
69	Synthesis of 2â€Substituted Indoles through Visible Lightâ€Induced Photocatalytic Cyclizations of Styryl Azides. Advanced Synthesis and Catalysis, 2014, 356, 2807-2812.	4.3	62
70	Utilizing Vinylcyclopropane Reactivity: Palladiumâ€Catalyzed Asymmetric [5+2] Dipolar Cycloadditions. Angewandte Chemie - International Edition, 2020, 59, 17429-17434.	13.8	62
71	Umpolung of Imines Enables Catalytic Asymmetric Regioâ€reversed [3+2] Cycloadditions of Iminoesters with Nitroolefins. Angewandte Chemie - International Edition, 2018, 57, 5888-5892.	13.8	61
72	Alkenylation of unactivated alkyl bromides through visible light photocatalysis. Chemical Communications, 2019, 55, 107-110.	4.1	61

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73	Direct sp3 Câ€"H acroleination of N-aryl-tetrahydroisoquinolines by merging photoredox catalysis with nucleophilic catalysis. Organic and Biomolecular Chemistry, 2014, 12, 2037-2040.	2.8	60
74	Photocatalytic Decarboxylative Hydroxylation of Carboxylic Acids Driven by Visible Light and Using Molecular Oxygen. Journal of Organic Chemistry, 2016, 81, 7250-7255.	3.2	60
75	Desulfonylation of Tosyl Amides through Catalytic Photoredox Cleavage of Nï£¿S Bond Under Visibleâ€Light Irradiation. Chemistry - an Asian Journal, 2013, 8, 1090-1094.	3.3	56
76	De Novo Synthesis of Imidazoles by Visibleâ€Lightâ€Induced Photocatalytic Aerobic Oxidation/[3+2] Cycloaddition/Aromatization Cascade. Chemistry - an Asian Journal, 2014, 9, 2432-2435.	3.3	56
77	Hydrogen Bond Direction Enables Palladium-Catalyzed Branch- and Enantioselective Allylic Aminations and Beyond. Organic Letters, 2017, 19, 4094-4097.	4.6	53
78	High-order dipolar annulations with metal-containing reactive dipoles. Chemical Society Reviews, 2022, 51, 4146-4174.	38.1	53
79	Photoassisted Cobalt-Catalyzed Asymmetric Reductive Grignard-Type Addition of Aryl Iodides. Journal of the American Chemical Society, 2022, 144, 8347-8354.	13.7	52
80	A photoinduced Wolff rearrangement/Pd-catalyzed [3+2] cycloaddition sequence: an unexpected route to tetrahydrofurans. Chemical Communications, 2019, 55, 2031-2034.	4.1	51
81	Enantioselective Construction of Oxa- and Aza-Angular Triquinanes through Tandem [4 + 1]/[3 + 2] Cycloaddition of Sulfur Ylides and Nitroolefins. Organic Letters, 2013, 15, 542-545.	4.6	50
82	Hydrogenâ€Bondâ€Mediated Asymmetric Cascade Reaction of Stable Sulfur Ylides with Nitroolefins: Scope, Application and Mechanism. Chemistry - A European Journal, 2012, 18, 4073-4079.	3.3	48
83	Design of chiral sulfoxideâ€"Schiff base hybrids and their application in Cu-catalyzed asymmetric Henry reactions. Chemical Communications, 2012, 48, 5596.	4.1	47
84	Visible-light-induced photocatalytic formyloxylation reactions of 3-bromooxindoles with water and DMF: the scope and mechanism. Green Chemistry, 2014, 16, 3787-3795.	9.0	47
85	Palladium/sulfoxideâ€"phosphine-catalyzed highly enantioselective allylic etherification and amination. Chemical Communications, 2014, 50, 9550-9553.	4.1	46
86	Synthesis of 3,3â€²-Biindoles through a Copper-Catalyzed Friedelâ€"Crafts Propargylation/Hydroamination/Aromatization Sequence. Organic Letters, 2018, 20, 3237-3240.	4.6	45
87	Enantio- and Diastereoselective Synthesis of Spiro-epoxyoxindoles. Journal of Organic Chemistry, 2014, 79, 3924-3929.	3.2	41
88	P,Sâ€...Ligands for the Asymmetric Construction of Quaternary Stereocenters in Palladiumâ€Catalyzed Decarboxylative [4+2] Cycloadditions. Angewandte Chemie, 2016, 128, 2240-2244.	2.0	40
89	Nonâ€Bonding Interactions Enable the Selective Formation of Branched Products in Palladiumâ€Catalyzed Allylic Substitution Reactions. Chemistry - an Asian Journal, 2018, 13, 2174-2183.	3.3	40
90	Phototandem Catalysis: Efficient Synthesis of 3â€Esterâ€3â€hydroxyâ€2â€oxindoles by a Visible Lightâ€Induced Cyclization of Diazoamides through an Aerobic Oxidation Sequence. Chemistry - an Asian Journal, 2015, 10, 124-128.	3.3	39

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91	Copper-catalyzed decarboxylative cyclization <i>via</i> tandem Câ€“P and Câ€“N bond formation: access to 2-phosphorylmethyl indoles. Chemical Communications, 2018, 54, 3154-3157.	4.1	39
92	Dual photoredox and nickel-catalyzed desymmetric Câ€“O coupling reactions: visible light-mediated enantioselective synthesis of 1,4-benzodioxanes. Organic Chemistry Frontiers, 2018, 5, 3098-3102.	4.5	39
93	Rational design of sulfoxideâ€“phosphine ligands for Pd-catalyzed enantioselective allylic alkylation reactions. Chemical Communications, 2014, 50, 2873-2875.	4.1	38
94	Formal [3 + 2] Cycloadditions via Indole Activation: A Route to Pyrroloindolines and Furoindolines. Journal of Organic Chemistry, 2016, 81, 10491-10498.	3.2	36
95	Synthesis of Polysubstituted Pyrroles through a Formal [4 + 1] Cycloaddition/E1cb Elimination/Aromatization Sequence of Sulfur Ylides and Î±,Î²-Unsaturated Imines. Journal of Organic Chemistry, 2017, 82, 12134-12140.	3.2	36
96	Visibleâ€Lightâ€Driven Photocatalytic Activation of Inert Sulfur Ylides for 3â€Acyl Oxindole Synthesis. Chemistry - A European Journal, 2016, 22, 8432-8437.	3.3	35
97	Enantioselective organocatalytic oxa-Michael addition of oximes to Î²-CF₃-Î²-disubstituted nitroalkenes: efficient synthesis of Î²-amino-Î±-trifluoromethyl alcohols. Organic and Biomolecular Chemistry, 2014, 12, 1057-1060.	2.8	34
98	Enantioselective Cascade Reactions of Stable Sulfur Ylides and Nitroolefins through an Axial-to-Central Chirality Transfer Strategy. Journal of Organic Chemistry, 2012, 77, 1072-1080.	3.2	33
99	An efficient synthesis of enol phosphates via organic base-promoted addition ofÂphosphites to 4-oxo-enoates. Tetrahedron, 2012, 68, 6032-6037.	1.9	32
100	Enantioselective trapping of palladium-stabilized oxo-1,4-dipoles with photochemically generated ketenes. Science Bulletin, 2021, 66, 1719-1722.	9.0	32
101	Photoredox-Enabled Chromium-Catalyzed Alkene Diacylations. ACS Catalysis, 2022, 12, 1879-1885.	11.2	32
102	Catalyst-Controlled Regioselective Acylation of Î²-Ketoesters with Î±-Diazo Ketones Induced by Visible Light. Organic Letters, 2018, 20, 7278-7282.	4.6	31
103	Cobalt(II)-Catalyzed Alkoxycarbonylation of Aliphatic Amines via Câ€“N Bond Activation. Organic Letters, 2019, 21, 6919-6923.	4.6	31
104	Advances on Asymmetric Allylic Substitutions under Synergetic Catalysis System with Transition Metals and Organocatalysts. Acta Chimica Sinica, 2018, 76, 838.	1.4	28
105	Formal [4+1] cycloaddition of camphor-derived sulfonium salts with aldimines: enantioselective synthesis of 2,3-dihydrobenzofurans. Tetrahedron, 2013, 69, 3810-3816.	1.9	27
106	Catalytic Asymmetric Allylation of 3â€Aryloxindoles by Merging Palladium Catalysis and Asymmetric Hâ€Bonding Catalysis. Advanced Synthesis and Catalysis, 2016, 358, 2594-2598.	4.3	27
107	Light Up the Transition Metal-Catalyzed Single-Electron Allylation. Trends in Chemistry, 2020, 2, 764-775.	8.5	27
108	Dual Activation in Organocatalysis: Design of Tunable and Bifunctional Organocatalysts and Their Applications in Enantioselective Reactions. Synlett, 2012, 23, 490-508.	1.8	26

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109	A Copperâ€Catalyzed Decarboxylative Amination/Hydroamination Sequence: Switchable Synthesis of Functionalized Indoles. Angewandte Chemie, 2016, 128, 12610-12614.	2.0	26
110	Asymmetric Deoxygenative Cyanation of Benzyl Alcohols Enabled by Synergistic Photoredox and Copper Catalysis^{â€}. Chinese Journal of Chemistry, 2020, 38, 1671-1675.	4.9	24
111	Highly chemo- and diastereoselective synthesis of substituted tetrahydropyran-4-ones via organocatalytic oxa-Dielsâ€"Alder reactions of acyclic Î±,Î²-unsaturated ketones with aldehydes. Tetrahedron Letters, 2008, 49, 1631-1635.	1.4	23
112	Ironâ€Catalyzed Decarboxylative (4+1) Cycloadditions: Exploiting the Reactivity of Ambident Ironâ€Stabilized Intermediates. Angewandte Chemie, 2016, 128, 2890-2894.	2.0	23
113	Deaminative (Carbonylative) Alkylâ€Heckâ€type Reactions Enabled by Photocatalytic Câˆ'N Bond Activation. Angewandte Chemie, 2019, 131, 2424-2428.	2.0	23
114	Aerobic oxidative Câ€"B bond cleavage of arylboronic acids mediated by methylhydrazines. Organic Chemistry Frontiers, 2014, 1, 151.	4.5	21
115	Synthesis of Chiral Endocyclic Allenes by Palladiumâ€Catalyzed Asymmetric Annulation Followed by Cope Rearrangement. Angewandte Chemie - International Edition, 2022, 61, .	13.8	20
116	Enantioselective Synthesis of Tetrahydrofuran Derivatives by Sequential Henry Reaction and Iodocyclization of Î³,Î´â€Unsaturated Alcohols. European Journal of Organic Chemistry, 2014, 2014, 4714-4719.	2.4	19
117	Palladiumâ€Catalyzed Asymmetric [8+2] Dipolar Cycloadditions of Vinyl Carbamates and Photogenerated Ketenes. Angewandte Chemie, 2020, 132, 14200-14204.	2.0	19
118	A Dipolar Cyclization/Fragmentation Strategy for the Catalytic Asymmetric Synthesis of Chiral Eight-Membered Lactams. CCS Chemistry, 2022, 4, 2620-2629.	7.8	19
119	A cooperative Pd/Co catalysis system for the asymmetric (4+2) cycloaddition of vinyl benzoxazinones with <i>N</i>-acylpyrazoles. Chemical Communications, 2021, 57, 13566-13569.	4.1	18
120	Oxidative cross-esterification of dithiolanes with alcohols through a cross-dehydrogenative coupling (CDC)/deprotection sequence. Organic and Biomolecular Chemistry, 2012, 10, 506-508.	2.8	17
121	Enantioselective Synthesis of Chromans with a Quaternary Stereogenic Centre through Catalytic Asymmetric Cascade Reactions. ACS Catalysis, 2011, 1, 221-226.	11.2	16
122	Organocatalysis Combined with Photocatalysis. Topics in Current Chemistry, 2019, 377, 37.	5.8	16
123	Inverseâ€Electronâ€Demand Palladiumâ€Catalyzed Asymmetric [4+2] Cycloadditions Enabled by Chiral P,Sâ€Ligand and Hydrogen Bonding. Angewandte Chemie, 2019, 131, 11129-11133.	2.0	15
124	Umpolung of Imines Enables Catalytic Asymmetric Regioâ€reversed [3+2] Cycloadditions of Iminoesters with Nitroolefins. Angewandte Chemie, 2018, 130, 5990-5994.	2.0	14
125	Exploration of a Chiral Cobalt Catalyst for Visibleâ€Lightâ€Induced Enantioselective Radical Conjugate Addition. Angewandte Chemie, 2019, 131, 13509-13513.	2.0	13
126	Recent advances in the catalytic asymmetric alkylation of stabilized phosphorous ylides. Chemical Communications, 2019, 55, 8716-8721.	4.1	12

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127	Practical Câ€“P bond formation via heterogeneous photoredox and nickel synergetic catalysis. Chinese Journal of Catalysis, 2019, 40, 1841-1846.	14.0	12
128	Utilizing Vinylcyclopropane Reactivity: Palladiumâ€Catalyzed Asymmetric [5+2] Dipolar Cycloadditions. Angewandte Chemie, 2020, 132, 17582-17587.	2.0	12
129	Synthesis of hydroindoles <i>via</i> desymmetric [3+2] cycloadditions of <i>para</i>-quinamines with photogenerated ketenes. Chemical Communications, 2021, 57, 8496-8499.	4.1	12
130	An Effective Bifunctional Thiourea Catalyst for Highly Enantio- and Diastereoselective Michael Addition of Cyclohexanone to Nitroolefins. Synthesis, 2006, 2006, 3795-3800.	2.3	9
131	Organocatalytic Asymmetric Conjugate Addition of 2â€Oxindoleâ€3â€Carboxylate Esters to 2â€Phthalimido Acrylates: Efficient Synthesis of C^{Î³}â€tetrasubstituted Î±â€Amino Acid Derivatives. Asian Journal of Organic Chemistry, 2014, 3, 530-535.	2.7	9
132	Enantioselective Synthesis of Highly Substituted Chromans by a Zinc(II)-Catalyzed Tandem Friedel-Crafts Alkylation/Michael Addition Reaction. Synthesis, 2013, 45, 601-608.	2.3	7
133	Synthesis of Chiral Endocyclic Allenes by Palladiumâ€Catalyzed Asymmetric Annulation Followed by Cope Rearrangement. Angewandte Chemie, 0, , .	2.0	4
134	5 Decarboxylative Coupling Reactions. , 2019, , .		2
135	Photoinduced palladium-catalyzed carbonylation of halides with weak nucleophiles. Science Bulletin, 2020, 65, 1696-1698.	9.0	2
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