Zheng-Hui Guan

List of Publications by Year
in descending order

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69 papers	3,510 citations	117625 34 h-index	144013 57 g-index
83 all docs	83 docs citations	83 times ranked	2664 citing authors

#	Article	IF	Citations
1	Palladium-Catalyzed Asymmetric Domino Heck/Carbocyclization/Suzuki Reaction: A Dearomatization of Nonactivated Naphthalenes. CCS Chemistry, 2021, 3, 69-77.	7.8	19
2	Inorganic salt hydrates and zeolites composites studies for thermochemical heat storage. Zeitschrift Fur Physikalische Chemie, 2021, 235, 1481-1497.	2.8	8
3	Palladium-Catalyzed Markovnikov Hydroaminocarbonylation of 1,1-Disubstituted and 1,1,2-Trisubstituted Alkenes for Formation of Amides with Quaternary Carbon. Journal of the American Chemical Society, 2021, 143, 7298-7305.	13.7	42
4	Asymmetric Spirocyclization Enabled by Iridium and BrÃ¸nsted Acid-Catalyzed Formal Reductive Cycloaddition. CCS Chemistry, 2021, 3, 1775-1786.	7.8	11
5	Palladiumâ€Catalyzed Asymmetric Markovnikov Hydroxycarbonylation and Hydroalkoxycarbonylation of Vinyl Arenes: Synthesis of 2â€Arylpropanoic Acids. Angewandte Chemie - International Edition, 2021, 60, 23117-23122.	13.8	50
6	Palladiumâ€Catalyzed Asymmetric Markovnikov Hydroxycarbonylation and Hydroalkoxycarbonylation of Vinyl Arenes: Synthesis of 2â€Arylpropanoic Acids. Angewandte Chemie, 2021, 133, 23301-23306.	2.0	10
7	Asymmetric Markovnikov Hydroaminocarbonylation of Alkenes Enabled by Palladium-Monodentate Phosphoramidite Catalysis. Journal of the American Chemical Society, 2021, 143, 85-91.	13.7	89
8	Rhodium-Catalyzed Enantioselective and Desymmetrizative Pausonâ€“Khand Reaction: Access to Tricyclo[6.2.1.0^{4,11}]undecenes. Organic Letters, 2021, 23, 9241-9245.	4.6	6
9	Palladiumâ€Catalyzed Enantioselective Heck Carbonylation with a Monodentate Phosphoramidite Ligand: Asymmetric Synthesis of (+)â€Physostigmine, (+)â€Physovenine, and (+)â€Folicanthine. Angewandte Chemie - International Edition, 2020, 59, 12199-12205.	13.8	83
10	A Rh(<scp>iii</scp>)-catalyzed regioselective intermolecular oxa-Pausonâ€“Khand reaction of alkynes, arylboronic acids and CO to form butenolides. Organic Chemistry Frontiers, 2020, 7, 763-767.	4.5	6
11	Copper-catalyzed asymmetric dearomative alkynylation of isoquinolines. Organic Chemistry Frontiers, 2020, 7, 829-833.	4.5	15
12	Palladiumâ€Catalyzed Enantioselective Heck Carbonylation with a Monodentate Phosphoramidite Ligand: Asymmetric Synthesis of (+)â€Physostigmine, (+)â€Physovenine, and (+)â€Folicanthine. Angewandte Chemie, 2020, 132, 12297-12303.	2.0	16
13	IBX-Promoted Oxidative Cyclization of N-Hydroxyalkyl Enamines: A Metal-Free Approach toward 2,3-Disubstituted Pyrroles and Pyridines. Journal of Organic Chemistry, 2020, 85, 7939-7951.	3.2	19
14	Application of dialkyl azodicarboxylate frameworks featuring multi-functional properties. Organic Chemistry Frontiers, 2019, 6, 1905-1928.	4.5	38
15	Iron-Catalyzed Radical Cycloaddition of 2H-Azirines and Enamides for the Synthesis of Pyrroles. Organic Letters, 2018, 20, 1287-1290.	4.6	82
16	Palladium-catalyzed oxidative cyclopropanation of enamides and norbornenes initiated by Câ€“H activation. Science China Chemistry, 2018, 61, 695-701.	8.2	10
17	Copper-Catalyzed Oxidative Cyclization/1,2-Amino Migration Cascade Reaction. Organic Letters, 2018, 20, 3088-3091.	4.6	28
18	Modular 2,3-diaryl-2H-azirine synthesis from ketoxime acetates via Cs₂CO₃-mediated cyclization. Organic and Biomolecular Chemistry, 2018, 16, 4333-4337.	2.8	16

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19	Copper-Promoted 6-endo-trig Cyclization of Î²,Î³-Unsaturated Hydrazones for the Synthesis of 1,6-Dihydropyridazines. Organic Letters, 2018, 20, 3337-3340.	4.6	14
20	Palladiumâ€Catalyzed Regioselective Cyclocarbonylation of Nâ€(3â€Phenylpropâ€2â€ynyl)anilines with Carbon Monoxide and Alcohols for the Synthesis of Quinolineâ€3â€carboxylic Esters. Asian Journal of Organic Chemistry, 2018, 7, 1605-1608.	2.7	6
21	K₂S₂O₈/TEMPO-Induced Cascade Oxidative Cyclization/1,2-Migration of Electron-Deficient Groups: Strategy for the Construction of 1H-Pyrrol-2(3H)-ones. Organic Letters, 2018, 20, 3627-3630.	4.6	33
22	Synthesis of tetrasubstituted symmetrical pyridines by iron-catalyzed cyclization of ketoxime acetates. Organic Chemistry Frontiers, 2017, 4, 597-602.	4.5	39
23	PhI(OAc)2-promoted umpolung acetoxylation of enamides for the synthesis of Î±-acetoxy ketones. Science China Chemistry, 2017, 60, 761-768.	8.2	19
24	Synthesis of Substituted 2â€Aminoâ€1,3â€oxazoles via Copperâ€Catalyzed Oxidative Cyclization of Enamines and N,Nâ€Dialkyl Formamides. Chemistry - an Asian Journal, 2017, 12, 1865-1868.	3.3	15
25	Palladium-catalyzed oxidative carbonylation of N-aryl enamino esters with CO and alcohols: synthesis of N-aryl aminomethylenemalonates. Chemical Communications, 2017, 53, 6243-6246.	4.1	10
26	Base-mediated formal [3+2] cycloaddition of Î²,Î³-alkenyl esters and p-TsN3 for the synthesis of pyrazoles. Science Bulletin, 2017, 62, 493-496.	9.0	18
27	K₂CO₃-Mediated Cyclization and Rearrangement of Î³,Î´-Alkynyl Oximes To Form Pyridols. Organic Letters, 2017, 19, 1574-1577.	4.6	20
28	A copper-catalyzed reaction of oximes with diisopropyl azodicarboxylate: an alternative method for the synthesis of oxime carbonates. Organic and Biomolecular Chemistry, 2017, 15, 1091-1095.	2.8	8
29	Synthesis of symmetrical pyridines by iron-catalyzed cyclization of ketoxime acetates and aldehydes. Green Chemistry, 2017, 19, 1023-1027.	9.0	61
30	Copper-Catalyzed Aerobic Oxidative Cyclization of Ketoxime Acetates with Pyridines for the Synthesis of Imidazo[1,2-a]pyridines. Synthesis, 2016, 48, 1920-1926.	2.3	25
31	Copper-catalyzed radical coupling of 1,3-dicarbonyl compounds with terminal alkenes for the synthesis of tetracarbonyl compounds. Chemical Communications, 2016, 52, 6127-6130.	4.1	8
32	Iron-Catalyzed Dehydrogenative [4 + 2] Cycloaddition of Tertiary Anilines and Enamides for the Synthesis of Tetrahydroquinolines with Amido-Substituted Quaternary Carbon Centers. ACS Catalysis, 2016, 6, 3473-3477.	11.2	56
33	Cleavage of a Câ€“C Ïƒ bond between two phenyl groups under mild conditions during the construction of Zn(<scp>ii</scp>) organic frameworks. Green Chemistry, 2016, 18, 5418-5422.	9.0	14
34	Synthesis of Polycarbonyl Pyrroles via K₂S₂O₈-Mediated Oxidative Cyclization of Enamines. Organic Letters, 2016, 18, 6074-6077.	4.6	60
35	Copper-catalyzed carbonylation of anilines by diisopropyl azodicarboxylate for the synthesis of carbamates. RSC Advances, 2016, 6, 107542-107546.	3.6	20
36	Recent developments in the group-1B-metal-catalyzed synthesis of pyrroles. Organic and Biomolecular Chemistry, 2016, 14, 7136-7149.	2.8	51

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37	CuI-catalyzed oxidative cross coupling of oximes with tetrahydrofuran: a direct access to O-tetrahydrofuran-2-yl oxime ethers. RSC Advances, 2016, 6, 16516-16519.	3.6	18
38	Iron-Catalyzed Cyclization of Ketoxime Carboxylates and Tertiary Anilines for the Synthesis of Pyridines. Organic Letters, 2016, 18, 1194-1197.	4.6	118
39	Palladium-Catalyzed Carbonylation of Indoles for Synthesis of Indol-3-yl Aryl Ketones. ACS Catalysis, 2015, 5, 1210-1213.	11.2	60
40	Palladium-Catalyzed Oxidative Carbonylation of Aromatic Câ€“H Bonds of N-Alkylanilines with CO and Alcohols for the Synthesis of o-Aminobenzoates. Journal of Organic Chemistry, 2015, 80, 1258-1263.	3.2	49
41	An iodine-promoted Meyerâ€“Schuster rearrangement for the synthesis of Î±-iodo unsaturated ketones. Organic Chemistry Frontiers, 2015, 2, 506-509.	4.5	31
42	Copperâ€Promoted Oxidative Coupling of Enamides and Alkynes for the Synthesis of Substituted Pyrroles. Chemistry - A European Journal, 2014, 20, 1839-1842.	3.3	44
43	Copper-catalyzed homocoupling of ketoxime carboxylates for synthesis of symmetrical pyrroles. Green Chemistry, 2014, 16, 112-115.	9.0	104
44	Palladium-Catalyzed Carbonylation of o-Iodoanilines for Synthesis of Isatoic Anhydrides. Journal of Organic Chemistry, 2014, 79, 4196-4200.	3.2	31
45	Pd-Catalyzed Oxidative Coupling of Enamides and Alkynes for Synthesis of Substituted Pyrroles. Organic Letters, 2014, 16, 608-611.	4.6	131
46	p-Toluenesulfonic Acid Mediated 1,3-Dipolar Cycloaddition of Nitroolefins with NaN₃ for Synthesis of 4-Aryl-NH-1,2,3-triazoles. Organic Letters, 2014, 16, 5728-5731.	4.6	156
47	Copper-catalyzed 5-endo-trig cyclization of ketoxime carboxylates: a facile synthesis of 2-arylpyrroles. Chemical Communications, 2014, 50, 7437.	4.1	73
48	Palladiumâ€Catalyzed Aminocarbonylation of Aryl Iodides with Amides and Nâ€alkyl Anilines. Chemistry - an Asian Journal, 2014, 9, 577-583.	3.3	25
49	Palladium-Catalyzed Oxidative Cyclization of Tertiary Enamines for Synthesis of 1,3,4-Trisubstituted Pyrroles and 1,3-Disubstituted Indoles. Organic Letters, 2014, 16, 3360-3363.	4.6	65
50	Ruthenium-Catalyzed Cyclization of Ketoxime Acetates with DMF for Synthesis of Symmetrical Pyridines. Organic Letters, 2014, 16, 3082-3085.	4.6	153
51	A Facile BPO-Mediated ortho-Hydroxylation and Benzoylation of N-Alkyl Anilines for Synthesis of 2-Benzamidophenols. Organic Letters, 2014, 16, 3292-3295.	4.6	25
52	Oxidation of 2-arylindoles for synthesis of 2-arylbenzoxazinones with oxone as the sole oxidant. Chemical Communications, 2013, 49, 8196.	4.1	60
53	Cu(TFA)₂-Catalyzed Oxidative Tandem Cyclization/1,2-Alkyl Migration of Enamino Amides for Synthesis of Pyrrolin-4-ones. Organic Letters, 2013, 15, 4822-4825.	4.6	52
54	Ironâ€Catalyzed Tandem Oneâ€Pot Addition and Cyclization of the Blaise Reaction Intermediate and Nitroolefins: Synthesis of Substituted NHâ€Pyrroles from Nitriles. Advanced Synthesis and Catalysis, 2013, 355, 221-226.	4.3	31

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55	Copperâ€Catalyzed Direct Synthesis of Iodoenamides from Ketoximes. Chemistry - A European Journal, 2013, 19, 9789-9794.	3.3	55
56	FeCl₃â€Catalyzed Selfâ€Condensation of Enamides for the Synthesis of Enamidoâ€Substituted Nitrogenâ€Containing Quaternary Carbon Centers. European Journal of Organic Chemistry, 2013, 2013, 7989-7995.	2.4	19
57	Palladiumâ€Catalyzed Oxidative Carbonylation of the Alkenyl Cï£¿H Bonds of Enamides: Synthesis of 1,3â€Oxazinâ€6â€ones. Angewandte Chemie - International Edition, 2013, 52, 14196-14199.	13.8	120
58	Cu(OAc)₂/TFA-Promoted Formal [3 + 3] Cycloaddition/Oxidation of Enamines and Enones for Synthesis of Multisubstituted Aromatic Amines. Organic Letters, 2012, 14, 3506-3509.	4.6	49
59	Palladium-Catalyzed Regioselective Carbonylation of Câ€“H Bonds of N-Alkyl Anilines for Synthesis of Isatoic Anhydrides. Journal of the American Chemical Society, 2012, 134, 17490-17493.	13.7	156
60	Coupling of enamides with alkynes or arynes for synthesis of substituted pyridines and isoquinolines via amide activation. Chemical Communications, 2012, 48, 8105.	4.1	64
61	Palladiumâ€Catalyzed Carbonylation of Amines: Switchable Approaches to Carbamates and N,Nâ€²â€Disubstituted Ureas. Advanced Synthesis and Catalysis, 2012, 354, 489-496.	4.3	78
62	A facile and efficient synthesis of multisubstituted pyrroles from enaminoesters and nitroolefins. Green Chemistry, 2011, 13, 1664.	9.0	69
63	Synthesis of Enamides via CuI-Catalyzed Reductive Acylation of Ketoximes with NaHSO3. Journal of Organic Chemistry, 2011, 76, 339-341.	3.2	72
64	Copper-Catalyzed Coupling of Oxime Acetates with Aldehydes: A New Strategy for Synthesis of Pyridines. Organic Letters, 2011, 13, 5394-5397.	4.6	220
65	Preparation of indoles via iron catalyzed direct oxidative coupling. Chemical Communications, 2010, 46, 2823.	4.1	132
66	Synthesis of Enamides via Rh/C-Catalyzed Direct Hydroacylation of Ketoximes. Organic Letters, 2009, 11, 481-483.	4.6	38
67	Rhodium-Catalyzed Direct Oxidative Carbonylation of Aromatic Câˆ’H Bond with CO and Alcohols. Journal of the American Chemical Society, 2009, 131, 729-733.	13.7	143
68	Palladium-catalyzed synthesis of indene derivatives via propargylic carbonates with in situ generated organozinc compounds. Organic and Biomolecular Chemistry, 2008, 6, 1040.	2.8	27
69	Palladium-Catalyzed Oxidative Amination of Activated Olefins with N-Alkyl Anilines for Synthesis of Tertiary (E)-Enamines. RSC Advances, 0, , .	3.6	3