

Zheng-Hui Guan

List of Publications by Year in descending order

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69
papers

3,510
citations

117625

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2664
citing authors

#	ARTICLE	IF	CITATIONS
1	Copper-Catalyzed Coupling of Oxime Acetates with Aldehydes: A New Strategy for Synthesis of Pyridines. <i>Organic Letters</i> , 2011, 13, 5394-5397.	4.6	220
2	Palladium-Catalyzed Regioselective Carbonylation of C-H Bonds of <i>N</i> -Alkyl Anilines for Synthesis of Isatoic Anhydrides. <i>Journal of the American Chemical Society</i> , 2012, 134, 17490-17493.	13.7	156
3	<i>p</i> -Toluenesulfonic Acid Mediated 1,3-Dipolar Cycloaddition of Nitroolefins with NaN ₃ for Synthesis of 4-Aryl-1,2,3-triazoles. <i>Organic Letters</i> , 2014, 16, 5728-5731.	4.6	156
4	Ruthenium-Catalyzed Cyclization of Ketoxime Acetates with DMF for Synthesis of Symmetrical Pyridines. <i>Organic Letters</i> , 2014, 16, 3082-3085.	4.6	153
5	Rhodium-Catalyzed Direct Oxidative Carbonylation of Aromatic C-H Bond with CO and Alcohols. <i>Journal of the American Chemical Society</i> , 2009, 131, 729-733.	13.7	143
6	Preparation of indoles via iron catalyzed direct oxidative coupling. <i>Chemical Communications</i> , 2010, 46, 2823.	4.1	132
7	Pd-Catalyzed Oxidative Coupling of Enamides and Alkynes for Synthesis of Substituted Pyrroles. <i>Organic Letters</i> , 2014, 16, 608-611.	4.6	131
8	Palladium-Catalyzed Oxidative Carbonylation of the Alkenyl C-H Bonds of Enamides: Synthesis of 1,3-Oxazinones. <i>Angewandte Chemie - International Edition</i> , 2013, 52, 14196-14199.	13.8	120
9	Iron-Catalyzed Cyclization of Ketoxime Carboxylates and Tertiary Anilines for the Synthesis of Pyridines. <i>Organic Letters</i> , 2016, 18, 1194-1197.	4.6	118
10	Copper-catalyzed homocoupling of ketoxime carboxylates for synthesis of symmetrical pyrroles. <i>Green Chemistry</i> , 2014, 16, 112-115.	9.0	104
11	Asymmetric Markovnikov Hydroaminocarbonylation of Alkenes Enabled by Palladium-Monodentate Phosphoramidite Catalysis. <i>Journal of the American Chemical Society</i> , 2021, 143, 85-91.	13.7	89
12	Palladium-Catalyzed Enantioselective Heck Carbonylation with a Monodentate Phosphoramidite Ligand: Asymmetric Synthesis of (+)-Physostigmine, (+)-Physovenine, and (+)-Folicanthine. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 12199-12205.	13.8	83
13	Iron-Catalyzed Radical Cycloaddition of 2-H-Azirines and Enamides for the Synthesis of Pyrroles. <i>Organic Letters</i> , 2018, 20, 1287-1290.	4.6	82
14	Palladium-Catalyzed Carbonylation of Amines: Switchable Approaches to Carbamates and <i>N,N</i> -Disubstituted Ureas. <i>Advanced Synthesis and Catalysis</i> , 2012, 354, 489-496.	4.3	78
15	Copper-catalyzed 5-endo-trig cyclization of ketoxime carboxylates: a facile synthesis of 2-arylpyrroles. <i>Chemical Communications</i> , 2014, 50, 7437.	4.1	73
16	Synthesis of Enamides via CuI-Catalyzed Reductive Acylation of Ketoximes with NaHSO ₃ . <i>Journal of Organic Chemistry</i> , 2011, 76, 339-341.	3.2	72
17	A facile and efficient synthesis of multisubstituted pyrroles from enaminoesters and nitroolefins. <i>Green Chemistry</i> , 2011, 13, 1664.	9.0	69
18	Palladium-Catalyzed Oxidative Cyclization of Tertiary Enamines for Synthesis of 1,3,4-Trisubstituted Pyrroles and 1,3-Disubstituted Indoles. <i>Organic Letters</i> , 2014, 16, 3360-3363.	4.6	65

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19	Coupling of enamides with alkynes or arynes for synthesis of substituted pyridines and isoquinolines via amide activation. <i>Chemical Communications</i> , 2012, 48, 8105.	4.1	64
20	Synthesis of symmetrical pyridines by iron-catalyzed cyclization of ketoxime acetates and aldehydes. <i>Green Chemistry</i> , 2017, 19, 1023-1027.	9.0	61
21	Oxidation of 2-arylindoles for synthesis of 2-arylbenzoxazinones with oxone as the sole oxidant. <i>Chemical Communications</i> , 2013, 49, 8196.	4.1	60
22	Palladium-Catalyzed Carbonylation of Indoles for Synthesis of Indol-3-yl Aryl Ketones. <i>ACS Catalysis</i> , 2015, 5, 1210-1213.	11.2	60
23	Synthesis of Polycarbonyl Pyrroles via $K_2S_2O_8$ -Mediated Oxidative Cyclization of Enamines. <i>Organic Letters</i> , 2016, 18, 6074-6077.	4.6	60
24	Iron-Catalyzed Dehydrogenative [4 + 2] Cycloaddition of Tertiary Anilines and Enamides for the Synthesis of Tetrahydroquinolines with Amido-Substituted Quaternary Carbon Centers. <i>ACS Catalysis</i> , 2016, 6, 3473-3477.	11.2	56
25	Copper-Catalyzed Direct Synthesis of Iodoenamides from Ketoximes. <i>Chemistry - A European Journal</i> , 2013, 19, 9789-9794.	3.3	55
26	$Cu(TFA)_2$ -Catalyzed Oxidative Tandem Cyclization/1,2-Alkyl Migration of Enamino Amides for Synthesis of Pyrrolin-4-ones. <i>Organic Letters</i> , 2013, 15, 4822-4825.	4.6	52
27	Recent developments in the group-1B-metal-catalyzed synthesis of pyrroles. <i>Organic and Biomolecular Chemistry</i> , 2016, 14, 7136-7149.	2.8	51
28	Palladium-Catalyzed Asymmetric Markovnikov Hydroxycarbonylation and Hydroalkoxycarbonylation of Vinyl Arenes: Synthesis of α -Arylpropanoic Acids. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 23117-23122.	13.8	50
29	$Cu(OAc)_2$ /TFA-Promoted Formal [3 + 3] Cycloaddition/Oxidation of Enamines and Enones for Synthesis of Multisubstituted Aromatic Amines. <i>Organic Letters</i> , 2012, 14, 3506-3509.	4.6	49
30	Palladium-Catalyzed Oxidative Carbonylation of Aromatic C-H Bonds of <i>N</i> -Alkylanilines with CO and Alcohols for the Synthesis of <i>o</i> -Aminobenzoates. <i>Journal of Organic Chemistry</i> , 2015, 80, 1258-1263.	3.2	49
31	Copper-Promoted Oxidative Coupling of Enamides and Alkynes for the Synthesis of Substituted Pyrroles. <i>Chemistry - A European Journal</i> , 2014, 20, 1839-1842.	3.3	44
32	Palladium-Catalyzed Markovnikov Hydroaminocarbonylation of 1,1-Disubstituted and 1,1,2-Trisubstituted Alkenes for Formation of Amides with Quaternary Carbon. <i>Journal of the American Chemical Society</i> , 2021, 143, 7298-7305.	13.7	42
33	Synthesis of tetrasubstituted symmetrical pyridines by iron-catalyzed cyclization of ketoxime acetates. <i>Organic Chemistry Frontiers</i> , 2017, 4, 597-602.	4.5	39
34	Synthesis of Enamides via Rh/C-Catalyzed Direct Hydroacylation of Ketoximes. <i>Organic Letters</i> , 2009, 11, 481-483.	4.6	38
35	Application of dialkyl azodicarboxylate frameworks featuring multi-functional properties. <i>Organic Chemistry Frontiers</i> , 2019, 6, 1905-1928.	4.5	38
36	$K_2S_2O_8$ /TEMPO-Induced Cascade Oxidative Cyclization/1,2-Migration of Electron-Deficient Groups: Strategy for the Construction of 1 <i>H</i> -Pyrrol-2(3 <i>H</i>)-ones. <i>Organic Letters</i> , 2018, 20, 3627-3630.	4.6	33

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37	Iron-Catalyzed Tandem One-Pot Addition and Cyclization of the Blaise Reaction Intermediate and Nitroolefins: Synthesis of Substituted NH-Pyrroles from Nitriles. <i>Advanced Synthesis and Catalysis</i> , 2013, 355, 221-226.	4.3	31
38	Palladium-Catalyzed Carbonylation of <i>o</i> -Iodoanilines for Synthesis of Isatoic Anhydrides. <i>Journal of Organic Chemistry</i> , 2014, 79, 4196-4200.	3.2	31
39	An iodine-promoted Meyer-Schuster rearrangement for the synthesis of α -iodo unsaturated ketones. <i>Organic Chemistry Frontiers</i> , 2015, 2, 506-509.	4.5	31
40	Copper-Catalyzed Oxidative Cyclization/1,2-Amino Migration Cascade Reaction. <i>Organic Letters</i> , 2018, 20, 3088-3091.	4.6	28
41	Palladium-catalyzed synthesis of indene derivatives via propargylic carbonates with in situ generated organozinc compounds. <i>Organic and Biomolecular Chemistry</i> , 2008, 6, 1040.	2.8	27
42	Palladium-Catalyzed Aminocarbonylation of Aryl Iodides with Amides and <i>N</i> -Alkyl Anilines. <i>Chemistry - an Asian Journal</i> , 2014, 9, 577-583.	3.3	25
43	A Facile BPO-Mediated <i>ortho</i> -Hydroxylation and Benzoylation of <i>N</i> -Alkyl Anilines for Synthesis of 2-Benzamidophenols. <i>Organic Letters</i> , 2014, 16, 3292-3295.	4.6	25
44	Copper-Catalyzed Aerobic Oxidative Cyclization of Ketoxime Acetates with Pyridines for the Synthesis of Imidazo[1,2- <i>a</i>]pyridines. <i>Synthesis</i> , 2016, 48, 1920-1926.	2.3	25
45	Copper-catalyzed carbonylation of anilines by diisopropyl azodicarboxylate for the synthesis of carbamates. <i>RSC Advances</i> , 2016, 6, 107542-107546.	3.6	20
46	K_2CO_3 -Mediated Cyclization and Rearrangement of β,β' -Alkynyl Oximes To Form Pyridols. <i>Organic Letters</i> , 2017, 19, 1574-1577.	4.6	20
47	$FeCl_3$ -Catalyzed Self-Condensation of Enamides for the Synthesis of Enamido-Substituted Nitrogen-Containing Quaternary Carbon Centers. <i>European Journal of Organic Chemistry</i> , 2013, 2013, 7989-7995.	2.4	19
48	PhI(OAc) ₂ -promoted umpolung acetoxylation of enamides for the synthesis of α -acetoxy ketones. <i>Science China Chemistry</i> , 2017, 60, 761-768.	8.2	19
49	Palladium-Catalyzed Asymmetric Domino Heck/Carbocyclization/Suzuki Reaction: A Dearomatization of Nonactivated Naphthalenes. <i>CCS Chemistry</i> , 2021, 3, 69-77.	7.8	19
50	IBX-Promoted Oxidative Cyclization of <i>N</i> -Hydroxyalkyl Enamines: A Metal-Free Approach toward 2,3-Disubstituted Pyrroles and Pyridines. <i>Journal of Organic Chemistry</i> , 2020, 85, 7939-7951.	3.2	19
51	CuI-catalyzed oxidative cross coupling of oximes with tetrahydrofuran: a direct access to O-tetrahydrofuran-2-yl oxime ethers. <i>RSC Advances</i> , 2016, 6, 16516-16519.	3.6	18
52	Base-mediated formal [3+2] cycloaddition of β,β' -alkenyl esters and <i>p</i> -TsN ₃ for the synthesis of pyrazoles. <i>Science Bulletin</i> , 2017, 62, 493-496.	9.0	18
53	Modular 2,3-diaryl-2- <i>H</i> -azirine synthesis from ketoxime acetates <i>via</i> Cs_2CO_3 -mediated cyclization. <i>Organic and Biomolecular Chemistry</i> , 2018, 16, 4333-4337.	2.8	16
54	Palladium-Catalyzed Enantioselective Heck Carbonylation with a Monodentate Phosphoramidite Ligand: Asymmetric Synthesis of (+)-Physostigmine, (+)-Physovenine, and (+)-Folicanthine. <i>Angewandte Chemie</i> , 2020, 132, 12297-12303.	2.0	16

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55	Synthesis of Substituted 2-Amino-1,3-Oxazoles via Copper-Catalyzed Oxidative Cyclization of Enamines and <i>N</i> -Dialkyl Formamides. <i>Chemistry - an Asian Journal</i> , 2017, 12, 1865-1868.	3.3	15
56	Copper-catalyzed asymmetric dearomative alkynylation of isoquinolines. <i>Organic Chemistry Frontiers</i> , 2020, 7, 829-833.	4.5	15
57	Cleavage of a C-C σ bond between two phenyl groups under mild conditions during the construction of Zn(<i>scp</i>) organic frameworks. <i>Green Chemistry</i> , 2016, 18, 5418-5422.	9.0	14
58	Copper-Promoted 6-endo-trig Cyclization of β,β -Unsaturated Hydrazones for the Synthesis of 1,6-Dihydropyridazines. <i>Organic Letters</i> , 2018, 20, 3337-3340.	4.6	14
59	Asymmetric Spirocyclization Enabled by Iridium and Brønsted Acid-Catalyzed Formal Reductive Cycloaddition. <i>CCS Chemistry</i> , 2021, 3, 1775-1786.	7.8	11
60	Palladium-catalyzed oxidative carbonylation of <i>N</i> -aryl enamino esters with CO and alcohols: synthesis of <i>N</i> -aryl aminomethylenemalonates. <i>Chemical Communications</i> , 2017, 53, 6243-6246.	4.1	10
61	Palladium-catalyzed oxidative cyclopropanation of enamides and norbornenes initiated by C-H activation. <i>Science China Chemistry</i> , 2018, 61, 695-701.	8.2	10
62	Palladium-Catalyzed Asymmetric Markovnikov Hydroxycarbonylation and Hydroalkoxycarbonylation of Vinyl Arenes: Synthesis of α -Arylpropanoic Acids. <i>Angewandte Chemie</i> , 2021, 133, 23301-23306.	2.0	10
63	Copper-catalyzed radical coupling of 1,3-dicarbonyl compounds with terminal alkenes for the synthesis of tetracarbonyl compounds. <i>Chemical Communications</i> , 2016, 52, 6127-6130.	4.1	8
64	A copper-catalyzed reaction of oximes with diisopropyl azodicarboxylate: an alternative method for the synthesis of oxime carbonates. <i>Organic and Biomolecular Chemistry</i> , 2017, 15, 1091-1095.	2.8	8
65	Inorganic salt hydrates and zeolites composites studies for thermochemical heat storage. <i>Zeitschrift Fur Physikalische Chemie</i> , 2021, 235, 1481-1497.	2.8	8
66	Palladium-Catalyzed Regioselective Cyclocarbonylation of <i>N</i> -(3-Phenylprop-2-ynyl)anilines with Carbon Monoxide and Alcohols for the Synthesis of Quinoline-3-carboxylic Esters. <i>Asian Journal of Organic Chemistry</i> , 2018, 7, 1605-1608.	2.7	6
67	A Rh(<i>scp</i>)-catalyzed regioselective intermolecular oxa-Pauson-Khand reaction of alkynes, arylboronic acids and CO to form butenolides. <i>Organic Chemistry Frontiers</i> , 2020, 7, 763-767.	4.5	6
68	Rhodium-Catalyzed Enantioselective and Desymmetrization Pauson-Khand Reaction: Access to Tricyclo[6.2.1.0 ^{sup} 4,11]undecenes. <i>Organic Letters</i> , 2021, 23, 9241-9245.	4.6	6
69	Palladium-Catalyzed Oxidative Amination of Activated Olefins with <i>N</i> -Alkyl Anilines for Synthesis of Tertiary (E)-Enamines. <i>RSC Advances</i> , 0, , .	3.6	3