Gang Zou

List of Publications by Year
in descending order

43 papers	1,324 citations	304743 22 h-index	345221 36 g-index
50 all docs	50 docs citations	50 times ranked	1471 citing authors

#	Article	IF	Citations
1	Acylative Suzuki coupling of amides: acyl-nitrogen activation via synergy of independently modifiable activating groups. Chemical Communications, 2015, 51, 5089-5092.	4.1	195
2	Magnesium, zinc, and calcium complexes based on tridentate nitrogen ligands: Syntheses, structures, and catalytic activities to the ring opening polymerization of rac-lactide. Journal of Organometallic Chemistry, 2010, 695, 1155-1162.	1.8	75
3	Palladiumâ€“benzimidazolium salt catalyst systems for Suzuki coupling: development of a practical and highly active palladium catalyst system for coupling of aromatic halides with arylboronic acids. Tetrahedron, 2005, 61, 9783-9790.	1.9	69
4	Palladium-catalyzed acylative cross-coupling of amides with diarylborinic acids and sodium tetraarylborates. Journal of Organometallic Chemistry, 2015, 794, 136-145.	1.8	64
5	Developing an ionic medium for ligandless-palladium-catalysed Suzuki and Heck couplings. Journal of Molecular Catalysis A, 2003, 206, 193-198.	4.8	59
6	Rhodium(III)â€Catalyzed, Cï£¿H Activated Annulation to Form Isocoumarins and <i>Î±</i>â€Pyrones using the Oï£¿N Bond as an Internal Oxidant. Advanced Synthesis and Catalysis, 2014, 356, 1496-1500.	4.3	58
7	Rhodium-catalyzed Heck-type reaction of arylboronic acids with Î±,Î²-unsaturated esters: tuning Î²-hydrogen elimination vs. hydrolysis of alkylrhodium species. Chemical Communications, 2003, , 2438-2439.	4.1	57
8	Asymmetric Intramolecular Oxa-Michael Reactions to Tetrahydrofurans/2<i>H</i>-Pyrans Catalyzed by Primaryâ€“Secondary Diamines. ACS Catalysis, 2013, 3, 1356-1359.	11.2	56
9	Heck reaction catalysed by palladium supported with an electron-rich benzimidazolylidene generated in situ: remarkable ligand electronic effects and controllable mono- and di-arylation. New Journal of Chemistry, 2006, 30, 803.	2.8	51
10	Cross-Coupling of Diarylborinic Acids and Anhydrides with Arylhalides Catalyzed by a Phosphite/N-Heterocyclic Carbene Co-supported Palladium Catalyst System. Journal of Organic Chemistry, 2012, 77, 7572-7578.	3.2	50
11	Synthesis of Diarylmethanes via Metal-Free Reductive Cross-Coupling of Diarylborinic Acids with Tosyl Hydrazones. Journal of Organic Chemistry, 2012, 77, 10991-10995.	3.2	45
12	Rutheniumâ€Catalyzed Alkenylation of Arenes with Alkynes or Alkenes by 1,2,3â€Triazoleâ€Directed Câ€“H Activation. European Journal of Organic Chemistry, 2014, 2014, 7878-7888.	2.4	42
13	N-Heterocyclic Carbene-Assisted, Bis(phosphine)nickel-Catalyzed Cross-Couplings of Diarylborinic Acids with Aryl Chlorides, Tosylates, and Sulfamates. Journal of Organic Chemistry, 2014, 79, 7132-7140.	3.2	39
14	Heck-type coupling vs. conjugate addition in phosphineâ€“rhodium catalyzed reactions of aryl boronic acids with Î±,Î²-unsaturated carbonyl compounds: a systematic investigation. Dalton Transactions, 2007, , 3055-3064.	3.3	35
15	Hemilabileâ€coordinated copper promoted amination of aryl halides with ammonia in aqueous ethylene glycol under atmosphere pressure. Applied Organometallic Chemistry, 2009, 23, 150-153.	3.5	31
16	Palladium-Catalyzed Room-Temperature Acylative Suzuki Coupling of High-Order Aryl Borons with Carboxylic Acids. Journal of Organic Chemistry, 2016, 81, 4364-4370.	3.2	31
17	Nickel-Catalyzed Cross-Coupling of Diarylborinic Acids with Aryl Chlorides. ACS Catalysis, 2014, 4, 379-385.	11.2	30
18	Tunable protic ionic liquids as solvent-catalysts for improved synthesis of multiply substituted 1,2,4-triazoles from oxadiazoles and organoamines. Tetrahedron, 2012, 68, 4813-4819.	1.9	27

#	Article	IF	Citations
19	Highly Enantioselective Epoxidation of Î±,Î²â€Unsaturated Ketones Catalyzed by Primaryâ€Secondary Diamines. Advanced Synthesis and Catalysis, 2011, 353, 3129-3133.	4.3	25
20	<i>N</i>â€Heterocyclic carbene/phosphite synergistically assisted Pd/Câ€catalyzed Suzuki coupling of aryl chlorides. Applied Organometallic Chemistry, 2014, 28, 54-60.	3.5	23
21	An unprecedented rhodium-catalysed self-conjugate reduction, cross-coupling tandem reaction of cinnamaldehydes with arylboronic acids. Chemical Communications, 2004, , 1192.	4.1	22
22	Baylisâ€“Hillman reaction promoted by a recyclable protic-ionic-liquid solventâ€“catalyst system: DABCOâ€“AcOHâ€“H2O. Tetrahedron, 2009, 65, 9086-9090.	1.9	22
23	Dipeptide-derived multifunctional phosphonium salt as a catalyst to synthesize highly functionalized chiral cyclopentanes. Tetrahedron, 2016, 72, 4141-4150.	1.9	20
24	Bifunctional Quaternary Ammonium Salts Catalyzed Stereoselective Conjugate Addition of Oxindoles to Electron-Deficient Î²-Haloalkenes. Journal of Organic Chemistry, 2017, 82, 4840-4850.	3.2	20
25	A Sequential Suzuki Coupling Approach to Unsymmetrical Aryl <i>s</i>â€Triazines from Cyanuric Chloride. Advanced Synthesis and Catalysis, 2017, 359, 2514-2519.	4.3	19
26	Highly efficient synthesis of aryl ketones by PEPPSI-palladium catalyzed acylative Suzuki coupling of amides with diarylborinic acids. Tetrahedron Letters, 2018, 59, 2299-2301.	1.4	19
27	Mechanical metal activation for Ni-catalyzed, Mn-mediated cross-electrophile coupling between aryl and alkyl bromides. New Journal of Chemistry, 2021, 45, 11269-11274.	2.8	16
28	Palladium-Catalyzed Room Temperature Acylative Cross-Coupling of Activated Amides with Trialkylboranes. Molecules, 2018, 23, 2412.	3.8	13
29	Heck reaction of iodoarenes with methyl acrylate catalyzed by cyclopalladated complexes of tertiary arylamines immobilized in ionic liquid [Bmim]⁺BF₄^{â^’}. Chinese Journal of Chemistry, 2003, 21, 1111-1113.	4.9	11
30	Homocoupling of aryl iodides catalyzed by cyclopalladated complexes of tertiary arylamines. Chinese Journal of Chemistry, 2004, 22, 419-421.	4.9	11
31	Primary-secondary diamines catalyzed Michael reaction to generate chiral fluorinated quaternary carbon centers. Tetrahedron, 2015, 71, 4137-4144.	1.9	11
32	Base-assisted, copper-catalyzed N-arylation of (benz)imidazoles and amines with diarylborinic acids. Tetrahedron, 2017, 73, 6906-6913.	1.9	11
33	Highly Selective Fluorescence Turnâ€on Chemosensor Based on Naphthalimide Derivatives for Detection of Trivalent Chromium Ions. Chinese Journal of Chemistry, 2012, 30, 2844-2848.	4.9	10
34	Development of a Telescoped Process for Preparation of N,O-Chelated Diarylborinates. Organic Process Research and Development, 2018, 22, 824-828.	2.7	9
35	Palladium-catalyzed cross-coupling of aryl chlorides with O, N-chelate stabilized diarylborinates. Journal of Organometallic Chemistry, 2017, 842, 54-58.	1.8	8
36	Nickel-catalyzed cross-coupling of <i>O</i>,<i>N</i>-chelated diarylborinates with aryl chlorides and mesylates. New Journal of Chemistry, 2019, 43, 1589-1596.	2.8	7

#	Article	IF	Citations
37	Direct Access to Bridged Polycyclic Skeletons by Merging Oxidative Câ€“H Annulation and Cascade [4 + 2] Cycloaddition. Organic Letters, 2022, 24, 121-126.	4.6	7
38	Highly efficient nickel/phosphine catalyzed cross-couplings of diarylborinic acids with aryl tosylates and sulfamates. Science China Chemistry, 2014, 57, 1126-1131.	8.2	6
39	Highly efficient palladium-catalyzed cross-coupling of diarylborinic acids with arenediazoniums for practical diaryl synthesis. Tetrahedron Letters, 2020, 61, 151491.	1.4	5
40	Ball-milling enables highly selective solvent-free N-tert-butoxycarbonylation for activation of amides. Tetrahedron Letters, 2020, 61, 152140.	1.4	5
41	Suzuki Coupling of Activated Aryltriazenes for Practical Synthesis of Biaryls from Anilines. Advanced Synthesis and Catalysis, 2022, 364, 2438-2442.	4.3	5
42	Chemoselective Chan-Lam coupling by directly using copper powders via mechanochemical metal activation for catalysis. Molecular Catalysis, 2022, 528, 112472.	2.0	5
43	Preparation of dendriticâ€“linear polyether-modified silica sol and its application in coatings. Journal of Coatings Technology Research, 2016, 13, 963-971.	2.5	0