Lei Shi

List of Publications by Year
in descending order

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45 papers	3,021 citations	257450 24 h-index	223800 46 g-index
53 all docs	53 docs citations	53 times ranked	3285 citing authors

#	Article	IF	Citations
1	Photoredox functionalization of Câ€“H bonds adjacent to a nitrogen atom. Chemical Society Reviews, 2012, 41, 7687.	38.1	966
2	Microwave-Promoted Three-Component Coupling of Aldehyde, Alkyne, and Amine via Câˆ’H Activation Catalyzed by Copper in Water. Organic Letters, 2004, 6, 1001-1003.	4.6	288
3	Dihydrophenanthridine: A New and Easily Regenerable NAD(P)H Model for Biomimetic Asymmetric Hydrogenation. Journal of the American Chemical Society, 2012, 134, 2442-2448.	13.7	247
4	A Reaction for sp3âˆ’sp3Câˆ’C Bond Formation via Cooperation of Lewis Acid-Promoted/Rh-Catalyzed Câˆ’H Bond Activation. Journal of the American Chemical Society, 2005, 127, 10836-10837.	13.7	159
5	Rapid and Efficient Microwave-Assisted Amination of Electron-Rich Aryl Halides without a Transition-Metal Catalyst. Organic Letters, 2003, 5, 3515-3517.	4.6	132
6	Progress and developments in the turbo Grignard reagent i-PrMgClÂ·LiCl: a ten-year journey. Chemical Communications, 2015, 51, 6884-6900.	4.1	129
7	Periodic Mesoporous Organosilica with a Basic Ureaâ€Derived Framework for Enhanced Carbon Dioxide Capture and Conversion Under Mild Conditions. ChemSusChem, 2017, 10, 1110-1119.	6.8	80
8	Kinetics of Bromineâˆ’Magnesium Exchange Reactions in Substituted Bromobenzenes. Journal of Organic Chemistry, 2009, 74, 2760-2764.	3.2	63
9	B(C₆F₅)₃-Promoted hydrogenations of N-heterocycles with ammonia borane. Chemical Communications, 2017, 53, 9262-9264.	4.1	61
10	Visible-Light-Enhanced Ring Opening of Cycloalkanols Enabled by BrÃ¸nsted Base-Tethered Acyloxy Radical Induced Hydrogen Atom Transfer-Electron Transfer. Organic Letters, 2018, 20, 1228-1231.	4.6	60
11	Transition-metal-free cross-coupling of thioethers with aryl(cyano)iodonium triflates: a facile and efficient method for the one-pot synthesis of thiocyanates. Chemical Communications, 2015, 51, 7180-7183.	4.1	57
12	Rhodium(II)/Chiral Phosphoric Acidâ€Cocatalyzed Enantioselective Oâ€“H Bond Insertion of Î±â€Diazo Esters. Advanced Synthesis and Catalysis, 2017, 359, 2754-2761.	4.3	54
13	Palladiumâ€Catalyzed/Lewis Acidâ€Promoted Alkene Dimerization and Crossâ€Coupling with Alcohols via Cï£¿H Bond Activation. Advanced Synthesis and Catalysis, 2008, 350, 552-556.	4.3	53
14	Kinetics of Bromineâˆ’Magnesium Exchange Reactions in Heteroaryl Bromides. Organic Letters, 2009, 11, 3502-3505.	4.6	53
15	Relative Rates of Bromineâ€“Magnesium Exchange Reactions in Substituted Bromobenzene Derivatives. Angewandte Chemie - International Edition, 2008, 47, 202-204.	13.8	48
16	Enantioselective Pd-catalyzed hydrogenation of enesulfonamides. Chemical Communications, 2011, 47, 5052.	4.1	47
17	Highly Enantioselective SPINOLâ€Derived Phosphoric Acid Catalyzed Transfer Hydrogenation of Diverse C=Nâ€Containing Heterocycles. European Journal of Organic Chemistry, 2015, 2015, 3344-3351.	2.4	46
18	Structureâ€“Reactivity Relationships in Negishi Crossâ€Coupling Reactions. Chemistry - A European Journal, 2010, 16, 248-253.	3.3	36

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19	Reactions between Diazo Compounds and Hypervalent Iodine(III) Reagents. Angewandte Chemie - International Edition, 2020, 59, 12282-12292.	13.8	35
20	Metal- and additive-free oxygen-atom transfer reaction: an efficient and chemoselective oxidation of sulfides to sulfoxides with cyclic diacyl peroxides. Organic and Biomolecular Chemistry, 2017, 15, 2647-2654.	2.8	34
21	[3 + 2] Cycloadditions of Azides with Arynes via Photolysis of Phthaloyl Peroxide Derivatives. Journal of Organic Chemistry, 2015, 80, 5928-5933.	3.2	32
22	Leaving Group Dependence of the Rates of Halogenâ€“Magnesium Exchange Reactions. Organic Letters, 2012, 14, 2602-2605.	4.6	27
23	Recent Advances in Cyclic Diacyl Peroxides: Reactivity and Selectivity Enhancement Brought by the Cyclic Structure. Synthesis, 2017, 49, 3357-3365.	2.3	27
24	DDQâ€mediated Direct C(sp³)ï£¿H Cyanation of Benzyl Ethers and 1,3â€Diarylpropenes under Solventâ€and Metalâ€free Conditions. Advanced Synthesis and Catalysis, 2015, 357, 2453-2456.	4.3	24
25	Tandem Radical Cyclization for the Construction of Difluoroâ€Containing Oxindoles and Quinolineâ€2,4â€diones. Chemistry - an Asian Journal, 2018, 13, 636-640.	3.3	24
26	Sulfonamide-Directed Chemo- and Site-Selective Oxidative Halogenation/Amination Using Halogenating Reagents Generated in Situ from Cyclic Diacyl Peroxides. Journal of Organic Chemistry, 2018, 83, 3305-3315.	3.2	22
27	Promising Combination for Asymmetric Organocatalysis: BrÃ¸nsted Acidâ€Assisted Chiral Phosphoric Acid Catalysis. ChemCatChem, 2014, 6, 3309-3311.	3.7	18
28	The crystal phase transformation of Ag₂WO₄ through loading onto g-C₃N₄ sheets with enhanced visible-light photocatalytic activity. RSC Advances, 2016, 6, 96861-96869.	3.6	18
29	B(C₆F₅)₃â€Catalyzed Deoxygenation of Sulfoxides and Amine Nâ€Oxides with Hydrosilanes. European Journal of Organic Chemistry, 2017, 2017, 3427-3430.	2.4	18
30	A novel AlEt3-promoted tandem reductive rearrangement of 1-benzyloxy-2,3-epoxides: new route to 2-quaternary 1,3-diol unitsElectronic supplementary information (ESI) available: experimental section. See http://www.rsc.org/suppdata/cc/b2/b209948a/. Chemical Communications, 2003, , 798-799.	4.1	16
31	Metalâ€Free Geminal Difunctionalization of Diazocarbonyl Compounds: A Oneâ€Pot Multicomponent Strategy for the Construction of Î±,Î²â€Diamino Carbonyl Derivatives. Chemistry - A European Journal, 2018, 24, 4805-4809.	3.3	13
32	Trichloroacetonitrile as an efficient activating agent for theipso-hydroxylation of arylboronic acids to phenolic compounds. Organic and Biomolecular Chemistry, 2019, 17, 7558-7563.	2.8	13
33	Direct Î±-acyloxylation of organic sulfides with the hypervalent (diacyloxyiodo)benzene/tetra-n-butylammonium bromide (TBAB) reagent combination. RSC Advances, 2016, 6, 27983-27987.	3.6	12
34	Asymmetric hydrogenolysis of racemic 3-substitued-3-hydroxy-isoindolin-1-ones employing SPINOL-derived chiral phosphoric acid. Tetrahedron Letters, 2018, 59, 1592-1595.	1.4	12
35	Cleavage of Câ€“N bonds in guanidine derivatives and its relevance toÂefficient Câ€“N bonds formation. Tetrahedron, 2015, 71, 1684-1693.	1.9	11
36	Siteâ€Specific C(sp 3)â€“H Aminations of Imidates and Amidines Enabled by Covalently Tethered Distonic Radical Anions. Angewandte Chemie - International Edition, 2020, 59, 20682-20690.	13.8	11

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37	Synthetic routes to bicyclo[1.1.1]pentylamines: booming toolkits for drug design. Organic Chemistry Frontiers, 2022, 9, 3591-3597.	4.5	10
38	B(C₆F₅)₃â€Catalyzed Reduction of Cyclic Nâ€Sulfonyl Ketimines. European Journal of Organic Chemistry, 2019, 2019, 6550-6556.	2.4	7
39	A Direct Cï£¿C Crossâ€Coupling of Alcohols at the Î²â€Position with Aldehydes under Coâ€Promotion of Tris(triphenylphosphine)rhodium Chloride/Boron Trifuoride Etherate. Advanced Synthesis and Catalysis, 2008, 350, 2189-2193.	4.3	5
40	Two catalytic protocols for Achmatowicz rearrangement using cyclic diacyl peroxides as oxidants. Organic and Biomolecular Chemistry, 2018, 16, 5566-5569.	2.8	5
41	Reactions between Diazo Compounds and Hypervalent Iodine(III) Reagents. Angewandte Chemie, 2020, 132, 12378-12388.	2.0	4
42	A one-pot and two-stage Baeyerâ€“Villiger reaction using 2,2â€²-diperoxyphenic acid under biomolecule-compatible conditions. Green Chemistry, 2022, 24, 2232-2239.	9.0	4
43	First Synthesis of (+)â€2,14â€Deoxyalatol from Î±â€Santonin. Chinese Journal of Chemistry, 2004, 22, 377-383.	4.9	3
44	Chiral Ionâ€Pair Organocatalystâ€Promoted Efficient Enantioâ€selective Reduction of Î±â€Hydroxy Ketones. Advanced Synthesis and Catalysis, 2018, 360, 1926-1931.	4.3	2
45	Siteâ€Specific C(sp 3)â€“H Aminations of Imidates and Amidines Enabled by Covalently Tethered Distonic Radical Anions. Angewandte Chemie, 2020, 132, 20863-20871.	2.0	2