Guo-Ping Lu

List of Publications by Year
in descending order

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		94433	175258
106	3,618	37	52
papers	citations	h-index	g-index

127	127	127	3549
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Direct Trifluoromethylthiolation and Perfluoroalkylthiolation of C(sp²)ï£¿H Bonds with CF₃SO₂Na and R_fSO₂Na. Angewandte Chemie - International Edition, 2015, 54, 14965-14969.	13.8	164
2	An Odorless, Oneâ€Pot Synthesis of Thioesters from Organic Halides, Thiourea and Benzoyl Chlorides in Water. Advanced Synthesis and Catalysis, 2013, 355, 1271-1276.	4.3	114
3	Odorless, One-Pot Regio- and Stereoselective Iodothiolation of Alkynes with Sodium Arenesulfinates under Metal-Free Conditions in Water. Organic Letters, 2015, 17, 3310-3313.	4.6	87
4	Facile and selective hydrogenolysis of Î²-O-4 linkages in lignin catalyzed by Pdâ€“Ni bimetallic nanoparticles supported on ZrO₂. Green Chemistry, 2016, 18, 6229-6235.	9.0	85
5	Self-hydrogen transfer hydrogenolysis of Î²-O-4 linkages in lignin catalyzed by MIL-100(Fe) supported Pdâ€“Ni BMNPs. Green Chemistry, 2017, 19, 4538-4543.	9.0	76
6	Elucidating the sources of activity and stability of FeP electrocatalyst for hydrogen evolution reactions in acidic and alkaline media. Applied Catalysis B: Environmental, 2020, 260, 118156.	20.2	74
7	Stille couplings in water at room temperature. Green Chemistry, 2013, 15, 105-109.	9.0	72
8	Decarboxylative and Denitrative Trifluoromethylation for the Synthesis of C_{vinyl}ï£¿CF₃ Compounds with Togni (II) Reagent. Advanced Synthesis and Catalysis, 2015, 357, 3447-3452.	4.3	70
9	Synthesis of Nâ€Heterocycles via Oxidantâ€Free Dehydrocyclization of Alcohols Using Heterogeneous Catalysts. Angewandte Chemie - International Edition, 2021, 60, 25188-25202.	13.8	70
10	Ligand Effects on the Stereochemical Outcome of Suzukiâ€“Miyaura Couplings. Journal of Organic Chemistry, 2012, 77, 3700-3703.	3.2	69
11	Transition-metal-free electrophilic trifluoromethylthiolation with sodium trifluoromethanesulfinate at room temperature. Organic Chemistry Frontiers, 2017, 4, 266-270.	4.5	68
12	A Route to Î±-Fluoroalkyl Sulfides from Î±-Fluorodiaroylmethanes. Organic Letters, 2016, 18, 592-595.	4.6	66
13	Synthesis of a ZIF-derived hollow yolkâ€“shell Co@CN catalyst for the oxidative esterification of 5-hydroxymethylfurfural. Green Chemistry, 2019, 21, 1602-1608.	9.0	65
14	Enhanced catalytic activity of cobalt nanoparticles encapsulated with an N-doped porous carbon shell derived from hollow ZIF-8 for efficient synthesis of nitriles from primary alcohols in water. Green Chemistry, 2019, 21, 4334-4340.	9.0	61
15	Iron single-atom anchored N-doped carbon as a â€˜laccase-likeâ€™ nanozyme for the degradation and detection of phenolic pollutants and adrenaline. Journal of Hazardous Materials, 2022, 425, 127763.	12.4	60
16	Odorless, Regioselective Synthesis of Diaryl Sulfides and Î±â€Thioaryl Carbonyls from Sodium Arylsulfinates via a Metalâ€•Free Radical Strategy in Water. Advanced Synthesis and Catalysis, 2016, 358, 4100-4105.	4.3	59
17	Acid/Phosphide-Induced Radical Route to Alkyl and Alkenyl Sulfides and Phosphonothioates from Sodium Arylsulfinates in Water. Journal of Organic Chemistry, 2017, 82, 382-389.	3.2	57
18	Recent advances in synthesis of organosilicons via radical strategies. Chinese Chemical Letters, 2021, 32, 1280-1292.	9.0	56

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19	One-Pot, Catalyst-Free Synthesis of Spiro[dihydroquinoline-naphthofuranone] Compounds from Isatins in Water Triggered by Hydrogen Bonding Effects. ACS Sustainable Chemistry and Engineering, 2017, 5, 3465-3470.	6.7	55
20	Oxidative trifluoromethylation and fluoroolefination of unactivated olefins. Chemical Communications, 2016, 52, 13668-13670.	4.1	54
21	Iridium-catalyzed methylation of indoles and pyrroles using methanol as feedstock. RSC Advances, 2015, 5, 70329-70332.	3.6	53
22	Visible-light-initiated difluoromethylation of arene diazonium tetrafluoroborates. Chemical Communications, 2016, 52, 5965-5968.	4.1	53
23	Diâ€‹tertâ€‹butyl Peroxide (DTBP)â€‹Mediated Oxidative Crossâ€‹Coupling of Isochroman and Indole Derivatives. Advanced Synthesis and Catalysis, 2015, 357, 2105-2110.	4.3	52
24	Efficient iron single-atom catalysts for selective ammoxidation of alcohols to nitriles. Nature Communications, 2022, 13, 1848.	12.8	52
25	Merging visible-light photoredox and micellar catalysis: arylation reactions with anilines nitrosated in situ. Catalysis Science and Technology, 2018, 8, 3728-3732.	4.1	49
26	Metal-free oxidative phosphinylation of aryl alkynes to Î²-ketophosphine oxides via visible-light photoredox catalysis. Catalysis Science and Technology, 2016, 6, 413-416.	4.1	47
27	Silver-catalyzed fluoroalkylation of thiols using fluoroalkanesulfinates. Journal of Fluorine Chemistry, 2017, 193, 113-117.	1.7	47
28	The synergistic catalysis on Co nanoparticles and CoNx sites of aniline-modified ZIF derived Co@NCs for oxidative esterification of HMF. Chinese Chemical Letters, 2021, 32, 685-690.	9.0	47
29	Pd-Ni bimetallic nanoparticles supported on active carbon as an efficient catalyst for hydrodeoxygenation of aldehydes. Applied Catalysis A: General, 2019, 569, 190-195.	4.3	44
30	Copper-catalyzed 8-amido chelation-induced regioselective Câ€“H fluoroalkylation of quinolines. Organic Chemistry Frontiers, 2016, 3, 1309-1313.	4.5	43
31	Facile aromatic nucleophilic substitution (S_NAr) reactions in ionic liquids: an electrophileâ€“nucleophile dual activation by [Omim]Br for the reaction. Green Chemistry, 2016, 18, 5580-5585.	9.0	43
32	Facile Sulfa-Michael Reactions with Sodium Arylsulfinates in Water: The Promotion of Water on the Reaction. ACS Sustainable Chemistry and Engineering, 2016, 4, 1804-1809.	6.7	43
33	Regio- and stereoselective hydrosilylation of alkynes catalyzed by SiO₂ supported Pdâ€“Cu bimetallic nanoparticles. Green Chemistry, 2017, 19, 2535-2540.	9.0	43
34	Iridium-catalyzed transfer hydrogenation of nitroarenes to anilines. New Journal of Chemistry, 2015, 39, 5360-5365.	2.8	41
35	Chemoselective transfer hydrogenation of nitroarenes by highly dispersed Ni-Co BMNPs. Catalysis Communications, 2016, 84, 25-29.	3.3	41
36	A base-controlled chemoselective transfer hydrogenation of Î±,Î²-unsaturated ketones catalyzed by [IrCp*Cl₂]₂ with 2-propanol. RSC Advances, 2015, 5, 13208-13211.	3.6	39

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37	Trifluoromethylation of thiophenols and thiols with sodium trifluoromethanesulfinate and iodine pentoxide. Catalysis Science and Technology, 2016, 6, 417-421.	4.1	39
38	Single-atomic-site iron on N-doped carbon for chemoselective reduction of nitroarenes. Nano Research, 2022, 15, 603-611.	10.4	39
39	Metal-free electrophilic phosphination of electron-rich arenes, arenols and aromatic thiols with diarylphosphine oxides. Organic and Biomolecular Chemistry, 2018, 16, 30-33.	2.8	37
40	Ru@UiO-66(Ce) catalyzed acceptorless dehydrogenation of primary amines to nitriles: the roles of Lewis acidâ€“base pairs in the reaction. Green Chemistry, 2019, 21, 5386-5393.	9.0	37
41	An efficient synthesis of dihydrothiophene ureidoformamides by domino reactions of 1,3-thiazolidinedione under catalyst-free conditions. Green Chemistry, 2011, 13, 998.	9.0	35
42	Facile Synthesis of Indolizines via 1,3-Dipolar Cycloadditions in [Omim]Br: The Promotion of the Reaction through Noncovalent Interactions. ACS Sustainable Chemistry and Engineering, 2017, 5, 9279-9285.	6.7	35
43	Cobalt Nanoparticles Embedded in Nâ€Doped Porous Carbon Derived from Bimetallic Zeolitic Imidazolate Frameworks for Oneâ€Pot Selective Oxidative Depolymerization of Lignin. ChemCatChem, 2019, 11, 1264-1271.	3.7	35
44	A Fe single atom on N,S-doped carbon catalyst for performing N-alkylation of aromatic amines under solvent-free conditions. Journal of Materials Chemistry A, 2021, 9, 25128-25135.	10.3	34
45	Acid-induced chemoselective arylthiolations of electron-rich arenes in ionic liquids from sodium arylsulfinates: the reducibility of halide anions in [Hmim]Br. Organic and Biomolecular Chemistry, 2017, 15, 2804-2808.	2.8	33
46	ZIF-derived metal/N-doped porous carbon nanocomposites: efficient catalysts for organic transformations. Catalysis Science and Technology, 2022, 12, 2106-2121.	4.1	32
47	Radical Route to 1,4-Benzothiazine Derivatives from 2-Aminobenzenethiols and Ketones under Transition-Metal-Free Conditions. Organic Letters, 2016, 18, 6424-6427.	4.6	31
48	Reversible Dehydrogenation and Hydrogenation of Nâ€Heterocycles Catalyzed by Bimetallic Nanoparticles Encapsulated in MILâ€100(Fe). ChemCatChem, 2018, 10, 4966-4972.	3.7	31
49	Synthesis of an Feâ€“Pd bimetallic catalyst for N-alkylation of amines with alcohols via a hydrogen auto-transfer methodology. Green Chemistry, 2021, 23, 396-404.	9.0	30
50	An odorless thia-Michael addition using Bunte salts as thiol surrogates. RSC Advances, 2015, 5, 27107-27111.	3.6	29
51	Photocatalytic radical cyclization of Î±-halo hydrazones with Î²-ketocarbonyls: facile access to substituted dihydropyrazoles. Chemical Communications, 2017, 53, 5342-5345.	4.1	29
52	A breathable and environmentally friendly superhydrophobic coating for anti-condensation applications. Chemical Engineering Journal, 2021, 412, 128725.	12.7	29
53	Stereoselective Synthesis of Alkenyl Silanes, Sulfones, Phosphine Oxides, and Nitroolefins by Radical Câ€“S Bond Cleavage of Arylalkenyl Sulfides. Organic Letters, 2017, 19, 1100-1103.	4.6	28
54	Lignin-derived Zn single atom/N-codoped porous carbon for Î±-alkylation of aromatic ketones with alcohols via borrowing hydrogen strategy. Nano Research, 2022, 15, 1874-1881.	10.4	28

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55	Cobaltâ€“molybdenum synergistic catalysis for the hydrogenolysis of terephthalate-based polyesters. Green Chemistry, 2021, 23, 8666-8672.	9.0	28
56	An odorless, one-pot synthesis of nitroaryl thioethers via S_NAr reactions through the in situ generation of S-alkylisothiouronium salts. RSC Advances, 2014, 4, 59990-59996.	3.6	26
57	Ascorbic acid promoted [4 + 2] benzannulation: a mild, operationally simple approach to the synthesis of phenanthrenes. Organic Chemistry Frontiers, 2016, 3, 630-634.	4.5	26
58	The ammoxidation of alcohols over heterogeneous catalysts for the green synthesis of nitriles. Organic Chemistry Frontiers, 2021, 8, 3137-3149.	4.5	26
59	Ligand effects on the stereochemistry of Stille couplings, as manifested in reactions of Z-alkenyl halides. Chemical Communications, 2012, 48, 8661.	4.1	25
60	Ascorbic Acid Promoted Metal-Free Synthesis of Aryl Sulfides with Anilines Nitrosated in Situ by tert-Butyl Nitrite. Synlett, 2015, 26, 1841-1846.	1.8	25
61	A facile, oneâ€pot, green synthesis of polysubstituted 4Hâ€pyrans via piperidineâ€catalyzed threeâ€component condensation in aqueous medium. Journal of Heterocyclic Chemistry, 2011, 48, 124-128.	2.6	24
62	4-Cyanopyridine-catalyzed anti-Markovnikov selective hydroboration of alkenes. New Journal of Chemistry, 2018, 42, 16456-16459.	2.8	22
63	Electronic Structure Modulation and Phase Transformation of Nickelâ€“Cobalt Carbonate Hydroxide Caused by Halogen Doping and Its Effect on Supercapacitor Performance. ACS Applied Energy Materials, 2022, 5, 469-480.	5.1	22
64	Catalytic oxidative dehydrogenation of N-heterocycles with nitrogen/phosphorus co-doped porous carbon materials. Chemical Science, 2022, 13, 6865-6872.	7.4	22
65	Porous cobalt@N-doped carbon derived from chitosan for oxidative esterification of 5-Hydroxymethylfurfural: The roles of zinc in the synthetic and catalytic process. Molecular Catalysis, 2020, 482, 110695.	2.0	21
66	Carbohydrate-derived porous carbon materials: An ideal platform for green organic synthesis. Chinese Chemical Letters, 2022, 33, 186-196.	9.0	21
67	An odorless and efficient synthesis of symmetrical thioethers using organic halides and thiourea in Triton X10 aqueous micelles. Green Chemistry Letters and Reviews, 2012, 5, 481-485.	4.7	20
68	â€œAllâ€Waterâ€•Synthesis of Î²â€Amino Î±,Î±â€Difluoro Ketones from Fluorinated Enol Silyl Ethers and Imines. European Journal of Organic Chemistry, 2017, 2017, 3438-3441.	2.4	20
69	Efficient visible-light-driven Suzuki coupling reaction over Co-doped BiOCl/Ce-doped Bi₂O₂CO₃ composites. Green Chemistry, 2021, 23, 1823-1833.	9.0	20
70	The selective hydrogenolysis of Câ€“O bonds in lignin model compounds by Pdâ€“Ni bimetallic nanoparticles in ionic liquids. Dalton Transactions, 2017, 46, 11884-11889.	3.3	19
71	Visible-light photoredox catalyzed cyclization of aryl alkynoates for the synthesis of trifluoromethylated coumarins. Catalysis Communications, 2018, 114, 70-74.	3.3	18
72	Palladiumâ€Catalyzed Odorless Oneâ€Pot Synthesis of Vinyl Sulfides from Organohalides, Thiourea, and Alkynes. Asian Journal of Organic Chemistry, 2014, 3, 77-81.	2.7	17

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73	Iridium-catalyzed regioselective decarboxylative allylation of Î²-ketoacids: efficient construction of Î³,Î´-unsaturated ketones. Chemical Communications, 2015, 51, 11512-11514.	4.1	17
74	Modified cellulose with tunable surface hydrophilicity/hydrophobicity as a novel catalyst support for selective reduction of nitrobenzene. Catalysis Communications, 2020, 137, 105949.	3.3	17
75	A Oneâ€pot, Efficient Synthesis of Polyfunctionalized Pyrido[2,3â€d]pyrimidines and Uncyclized Adducts by Aldehydes, 1,3â€Dicarbonyl Compounds, and 6â€Aminouracils. Journal of Heterocyclic Chemistry, 2014, 51, 1595-1602.	2.6	16
76	pH-Responsive Behavior of Pickering Emulsions Stabilized by a Selenium-Containing Surfactant and Alumina Nanoparticles. Langmuir, 2021, 37, 10683-10691.	3.5	16
77	Palladium nanoparticles stabilized by aqueous vesicles self-assembled from a PEGylated surfactant ionic liquid for the chemoselective reduction of nitroarenes. Catalysis Communications, 2017, 99, 57-60.	3.3	15
78	Catalytically Active Sites on Ni5P4 for Efficient Hydrogen Evolution Reaction From Atomic Scale Calculation. Frontiers in Chemistry, 2019, 7, 444.	3.6	15
79	The selective hydrogenation of nitroarenes and alkenes catalyzed by Pd@MOFs: The role of electronic interactions between Pd nanoparticles and MOFs on the reaction. Molecular Catalysis, 2020, 495, 111157.	2.0	15
80	Hf-MOF catalyzed Meerweinâ€'Ponndorfâ€'Verley (MPV) reduction reaction: Insight into reaction mechanism. Molecular Catalysis, 2021, 502, 111405.	2.0	15
81	Supported Pdâ€“Au bimetallic nanoparticles as an efficient catalyst for the hydrodeoxygenation of vanillin with formic acid at room temperature. Green Chemistry, 2022, 24, 1096-1102.	9.0	15
82	Catalystâ€Free Chemoselective Reduction of Nitroarenes Using Thiourea as a Hydrogen Source. Asian Journal of Organic Chemistry, 2015, 4, 141-144.	2.7	14
83	Effective hydrodeoxygenation of dibenzofuran by a bimetallic catalyst in water. New Journal of Chemistry, 2016, 40, 1605-1609.	2.8	14
84	Thiourea in the Construction of Câ€“S Bonds as Part of an Undergraduate Organic Chemistry Laboratory Course. Journal of Chemical Education, 2017, 94, 244-247.	2.3	14
85	Efficient Synthesis of Isothiochromene Derivatives by Pdâ€Catalyzed Hydrothiolation Reaction. European Journal of Organic Chemistry, 2014, 2014, 5312-5317.	2.4	13
86	Direct synthesis of alkynylphosphonates from alkynes and phosphite esters catalyzed by Cu/Cu₂O nanoparticles supported on Nb₂O₅. New Journal of Chemistry, 2018, 42, 13957-13962.	2.8	12
87	Synthesis of Quinolines from Allylic Alcohols via Iridium-Catalyzed Tandem Isomerization/Cyclization Combined with Potassium Hydroxide. Synthesis, 2015, 47, 976-984.	2.3	11
88	An Efficient, One-Pot Synthesis of Spiro[Dihydropyridine-Oxindole] Compounds under Catalyst-Free Conditions. Journal of Chemical Research, 2011, 35, 547-551.	1.3	10
89	Palladium(II)-Catalyzed Oxidative ortho-Arylation of 2-Phenylpyridines. Synlett, 2013, 24, 2153-2159.	1.8	10
90	Iridium-Catalyzed C-3 Allylation of Indoles with Allylic Alcohols Promoted by a BrÃ¸nsted Acid. Synthesis, 2014, 46, 1717-1724.	2.3	10

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91	Facile Approach for C(sp3)â€“H Bond Thioetherification of Isochroman. Synlett, 2015, 26, 915-920.	1.8	10
92	Fe-based metal-organic frameworks for the synthesis of N-arylsulfonamides via the reactions of sodium arylsulfinates or arylsulfonyl chlorides with nitroarenes in water. Tetrahedron Letters, 2018, 59, 4226-4230.	1.4	10
93	Palladium-Catalyzed Direct C-2 Arylation of Indoles with Aryl Halides in Aqueous Medium. Synlett, 2012, 23, 2992-2996.	1.8	8
94	A Highly Regioselective C-3 Benzylation Reaction of Indoles with Alcohols Catalysed by an N-Heterocyclic Carbene. Journal of Chemical Research, 2015, 39, 438-441.	1.3	8
95	A concerted addition mechanism in [Hmim]Br-triggered thiolâ€“ene reactions: a typical â€œionic liquid effectâ€•revealed by DFT and experimental studies. New Journal of Chemistry, 2019, 43, 5752-5758.	2.8	8
96	Synthesis of Nâ€Heterocycles via Oxidantâ€Free Dehydrocyclization of Alcohols Using Heterogeneous Catalysts. Angewandte Chemie, 2021, 133, 25392-25406.	2.0	8
97	Deuterated N-difluoromethylthiophthalimide: A stable, scalable reagent for radical and electrophilic deuteriodifluoromethylthiolations. Chinese Chemical Letters, 2022, 33, 4293-4297.	9.0	8
98	Nâ€Heterocyclic Carbeneâ€Catalyzed Î±â€Alkylation of Ketones with Primary Alcohols. Helvetica Chimica Acta, 2014, 97, 1666-1671.	1.6	7
99	Pdâ€Ni BMNPs Encapsulated in UiOâ€66 as an Efficient Catalyst for the Activation of â€œInertâ€•Câ^'O Bonds. ChemCatChem, 2018, 10, 4258-4263.	3.7	7
100	Synthesis of Quinazolinones Via a Tandem Hydrogen-Transfer Strategy Catalyzed by N,S Co-doped Carbon-Anchored Co Nanoparticles. ACS Sustainable Chemistry and Engineering, 2022, 10, 3872-3881.	6.7	7
101	Palladium-Catalyzed Cyanation of Aryl Bromides with Malononitrile via ÂCarbonâ€“Nitrile Bond Cleavage Mediated by Copper. Synlett, 2014, 25, 547-550.	1.8	6
102	Transition-metal- and phosphorus-free electrophilic trifluoromethylthiolation of indoles with sodium trifluoromethanesulfinates in ionic liquids. Tetrahedron Letters, 2021, 70, 153015.	1.4	6
103	A Base-Induced Ring-Opening Process of 2-Substituted-1,3,4-Oxadiazoles for the Generation of Nitriles at Room Temperature. Journal of Chemical Research, 2014, 38, 371-374.	1.3	5
104	Ethyl cellulose derived porous iron@N-doped carbon material for Nâ€“H carbene insertion reaction. Tetrahedron, 2021, 98, 132432.	1.9	4
105	â€œAll-waterâ€•synthesis of the gem-difluoromethylene azo compounds from Arenediazonium Salts and fluorinated enol silyl ethers. Journal of Fluorine Chemistry, 2018, 206, 125-127.	1.7	3
106	A DFT study on the mechanism of rhodium-catalyzed regioselective hydrothiolation of the allyl amine. Molecular Catalysis, 2019, 468, 62-74.	2.0	3