Guo-Ping Lu

List of Publications by Year
in descending order

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Version: 2024-02-01

106 papers	3,618 citations	94433 37 h-index	175258 52 g-index
127 all docs	127 docs citations	127 times ranked	3549 citing authors

#	Article	IF	Citations
1	Carbohydrate-derived porous carbon materials: An ideal platform for green organic synthesis. Chinese Chemical Letters, 2022, 33, 186-196.	9.0	21
2	Single-atomic-site iron on N-doped carbon for chemoselective reduction of nitroarenes. Nano Research, 2022, 15, 603-611.	10.4	39
3	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
4	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
5	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
6	Deuterated N-difluoromethylthiophthalimide: A stable, scalable reagent for radical and electrophilic deuteriodifluoromethylthiolations. Chinese Chemical Letters, 2022, 33, 4293-4297.	9.0	8
7	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
8	ZIF-derived metal/N-doped porous carbon nanocomposites: efficient catalysts for organic transformations. Catalysis Science and Technology, 2022, 12, 2106-2121.	4.1	32
9	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
10	Efficient iron single-atom catalysts for selective ammoxidation of alcohols to nitriles. Nature Communications, 2022, 13, 1848.	12.8	52
11	Catalytic oxidative dehydrogenation of N-heterocycles with nitrogen/phosphorus co-doped porous carbon materials. Chemical Science, 2022, 13, 6865-6872.	7.4	22
12	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
13	Recent advances in synthesis of organosilicons via radical strategies. Chinese Chemical Letters, 2021, 32, 1280-1292.	9.0	56
14	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
15	Efficient visible-light-driven Suzuki coupling reaction over Co-doped BiOCl/Ce-doped Bi₂O₂CO₃ composites. Green Chemistry, 2021, 23, 1823-1833.	9.0	20
16	The ammoxidation of alcohols over heterogeneous catalysts for the green synthesis of nitriles. Organic Chemistry Frontiers, 2021, 8, 3137-3149.	4.5	26
17	Hf-MOF catalyzed Meerweinâ€™Ponndorfâ€™Verley (MPV) reduction reaction: Insight into reaction mechanism. Molecular Catalysis, 2021, 502, 111405.	2.0	15
18	Transition-metal- and phosphorus-free electrophilic trifluoromethylthiolation of indoles with sodium trifluoromethanesulfinates in ionic liquids. Tetrahedron Letters, 2021, 70, 153015.	1.4	6

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19	A breathable and environmentally friendly superhydrophobic coating for anti-condensation applications. Chemical Engineering Journal, 2021, 412, 128725.	12.7	29
20	pH-Responsive Behavior of Pickering Emulsions Stabilized by a Selenium-Containing Surfactant and Alumina Nanoparticles. Langmuir, 2021, 37, 10683-10691.	3.5	16
21	Synthesis of Nâ€Heterocycles via Oxidantâ€Free Dehydrocyclization of Alcohols Using Heterogeneous Catalysts. Angewandte Chemie - International Edition, 2021, 60, 25188-25202.	13.8	70
22	Synthesis of Nâ€Heterocycles via Oxidantâ€Free Dehydrocyclization of Alcohols Using Heterogeneous Catalysts. Angewandte Chemie, 2021, 133, 25392-25406.	2.0	8
23	Ethyl cellulose derived porous iron@N-doped carbon material for Nâ€“H carbene insertion reaction. Tetrahedron, 2021, 98, 132432.	1.9	4
24	Cobaltâ€“molybdenum synergistic catalysis for the hydrogenolysis of terephthalate-based polyesters. Green Chemistry, 2021, 23, 8666-8672.	9.0	28
25	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
26	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
27	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
28	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
29	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
30	Catalytically Active Sites on Ni5P4 for Efficient Hydrogen Evolution Reaction From Atomic Scale Calculation. Frontiers in Chemistry, 2019, 7, 444.	3.6	15
31	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
32	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
33	A DFT study on the mechanism of rhodium-catalyzed regioselective hydrothiolation of the allyl amine. Molecular Catalysis, 2019, 468, 62-74.	2.0	3
34	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
35	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
36	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

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37	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
38	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
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	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
41	Reversible Dehydrogenation and Hydrogenation of Nâ€Heterocycles Catalyzed by Bimetallic Nanoparticles Encapsulated in MILâ€100(Fe). ChemCatChem, 2018, 10, 4966-4972.	3.7	31
42	4-Cyanopyridine-catalyzed anti-Markovnikov selective hydroboration of alkenes. New Journal of Chemistry, 2018, 42, 16456-16459.	2.8	22
43	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
44	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
45	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
46	Visible-light photoredox catalyzed cyclization of aryl alkynoates for the synthesis of trifluoromethylated coumarins. Catalysis Communications, 2018, 114, 70-74.	3.3	18
47	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
48	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
49	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
50	Regio- and stereoselective hydrosilylation of alkynes catalyzed by SiO₂ supported Pdâ€“Cu bimetallic nanoparticles. Green Chemistry, 2017, 19, 2535-2540.	9.0	43
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	Transition-metal-free electrophilic trifluoromethylthiolation with sodium trifluoromethanesulfinate at room temperature. Organic Chemistry Frontiers, 2017, 4, 266-270.	4.5	68
53	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
54	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

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55	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
56	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
57	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
58	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
59	Silver-catalyzed fluoroalkylation of thiols using fluoroalkanesulfinates. Journal of Fluorine Chemistry, 2017, 193, 113-117.	1.7	47
60	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
61	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
62	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
63	Copper-catalyzed 8-amido chelation-induced regioselective Câ€“H fluoroalkylation of quinolines. Organic Chemistry Frontiers, 2016, 3, 1309-1313.	4.5	43
64	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
65	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
66	Oxidative trifluoromethylation and fluoroolefination of unactivated olefins. Chemical Communications, 2016, 52, 13668-13670.	4.1	54
67	Chemoselective transfer hydrogenation of nitroarenes by highly dispersed Ni-Co BMNPs. Catalysis Communications, 2016, 84, 25-29.	3.3	41
68	A Route to Î±-Fluoroalkyl Sulfides from Î±-Fluorodiaroylmethanes. Organic Letters, 2016, 18, 592-595.	4.6	66
69	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
70	Visible-light-initiated difluoromethylation of arene diazonium tetrafluoroborates. Chemical Communications, 2016, 52, 5965-5968.	4.1	53
71	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
72	Effective hydrodeoxygenation of dibenzofuran by a bimetallic catalyst in water. New Journal of Chemistry, 2016, 40, 1605-1609.	2.8	14

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73	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
74	Trifluoromethylation of thiophenols and thiols with sodium trifluoromethanesulfinate and iodine pentoxide. Catalysis Science and Technology, 2016, 6, 417-421.	4.1	39
75	Diâ€‹i>tert</i>â€‹butyl Peroxide (DTBP)â€‹Mediated Oxidative Crossâ€‹Coupling of Isochroman and Indole Derivatives. Advanced Synthesis and Catalysis, 2015, 357, 2105-2110.	4.3	52
76	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
77	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
78	Iridium-catalyzed regioselective decarboxylative allylation of Î²-ketoacids: efficient construction of Î³,Î´-unsaturated ketones. Chemical Communications, 2015, 51, 11512-11514.	4.1	17
79	Catalystâ€‹Free Chemoselective Reduction of Nitroarenes Using Thiourea as a Hydrogen Source. Asian Journal of Organic Chemistry, 2015, 4, 141-144.	2.7	14
80	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
81	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
82	Facile Approach for C(sp3)â€“H Bond Thioetherification of Isochroman. Synlett, 2015, 26, 915-920.	1.8	10
83	Iridium-catalyzed transfer hydrogenation of nitroarenes to anilines. New Journal of Chemistry, 2015, 39, 5360-5365.	2.8	41
84	Synthesis of Quinolines from Allylic Alcohols via Iridium-Catalyzed Tandem Isomerization/Cyclization Combined with Potassium Hydroxide. Synthesis, 2015, 47, 976-984.	2.3	11
85	Iridium-catalyzed methylation of indoles and pyrroles using methanol as feedstock. RSC Advances, 2015, 5, 70329-70332.	3.6	53
86	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
87	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
88	An odorless thia-Michael addition using Bunte salts as thiol surrogates. RSC Advances, 2015, 5, 27107-27111.	3.6	29
89	Palladium-Catalyzed Cyanation of Aryl Bromides with Malononitrile via ÂCarbonâ€“Nitrile Bond Cleavage Mediated by Copper. Synlett, 2014, 25, 547-550.	1.8	6
90	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

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91	Iridium-Catalyzed C-3 Allylation of Indoles with Allylic Alcohols Promoted by a BrÃ¸nsted Acid. Synthesis, 2014, 46, 1717-1724.	2.3	10
92	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
93	Nâ€Heterocyclic Carbeneâ€Catalyzed Î±â€Alkylation of Ketones with Primary Alcohols. Helvetica Chimica Acta, 2014, 97, 1666-1671.	1.6	7
94	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
95	Efficient Synthesis of Isothiochromene Derivatives by Pdâ€Catalyzed Hydrothiolation Reaction. European Journal of Organic Chemistry, 2014, 2014, 5312-5317.	2.4	13
96	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
97	Stille couplings in water at room temperature. Green Chemistry, 2013, 15, 105-109.	9.0	72
98	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
99	Palladium(II)-Catalyzed Oxidative ortho-Arylation of 2-Phenylpyridines. Synlett, 2013, 24, 2153-2159.	1.8	10
100	Palladium-Catalyzed Direct C-2 Arylation of Indoles with Aryl Halides in Aqueous Medium. Synlett, 2012, 23, 2992-2996.	1.8	8
101	Ligand effects on the stereochemistry of Stille couplings, as manifested in reactions of Z-alkenyl halides. Chemical Communications, 2012, 48, 8661.	4.1	25
102	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
103	Ligand Effects on the Stereochemical Outcome of Suzukiâ€“Miyaura Couplings. Journal of Organic Chemistry, 2012, 77, 3700-3703.	3.2	69
104	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
105	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
106	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