

Ligong Chen

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

117
papers

1,128
citations

19
h-index

27
g-index

124
ext. papers

1,394
ext. citations

3.8
avg, IF

4.76
L-index

#	Paper	IF	Citations
117	Controllable encapsulation of silver nanoparticles by porous pyridine-based covalent organic frameworks for efficient CO ₂ conversion using propargylic amines. <i>Green Chemistry</i> , 2022 , 24, 930-940	10	2
116	Fabrication of 0D/1D Bi ₂ MoO ₆ /Bi/TiO ₂ heterojunction with effective interfaces for boosted visible-light photocatalytic degradation of tetracycline. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2022 , 638, 128297	5.1	5
115	Fluorinated phenothiazine derivatives: Photophysical properties, mechanochromism and thermochromism. <i>Journal of Luminescence</i> , 2022 , 242, 118555	3.8	1
114	Amphiphilic fluorescent nanospheres for quantitative sensing of trinitrophenol in water system. <i>Dyes and Pigments</i> , 2022 , 202, 110296	4.6	1
113	A novel dual-site ICT/AIE fluorescent probe for detecting hypochlorite and polarity in living cells. <i>New Journal of Chemistry</i> , 2021 , 45, 21406-21414	3.6	0
112	A Doubly Confined Nickel-Based Catalyst Derived from Hydrotalcite-Montmorillonite Composite: Preparation and Hydrogenation Performance. <i>ChemCatChem</i> , 2021 , 13, 2887-2895	5.2	
111	Efficient catalytic amination of diols to diamines over Cu/ZnO/Al ₂ O ₃ . <i>Molecular Catalysis</i> , 2021 , 508, 111608	3.3	3
110	A porphyrin-based covalent organic framework with pH-dependent fluorescence. <i>Journal of Materials Science</i> , 2021 , 56, 2717-2724	4.3	7
109	Ceria-promoted Co@NC catalyst for biofuel upgrade: synergy between ceria and cobalt species. <i>Journal of Materials Chemistry A</i> , 2021 , 9, 8541-8553	13	7
108	Multi-functional materials based on Cyanostilbene: Response to mechanical stimuli and selective detection of PNA. <i>Dyes and Pigments</i> , 2021 , 186, 109029	4.6	3
107	Highly sensitive sensing of polarity, temperature, and acid gases by a smart fluorescent molecule. <i>Sensors and Actuators B: Chemical</i> , 2021 , 344, 130120	8.5	5
106	Bi ₂ O ₂ CO ₃ /TiO ₂ hybrid with 0D/1D nanostructure: design, synthesis and photocatalytic performance. <i>New Journal of Chemistry</i> , 2021 , 45, 6247-6253	3.6	2
105	Biomass-derived Fe-NC hybrid for hydrogenation with formic acid: control of Fe-based nanoparticle distribution.. <i>RSC Advances</i> , 2020 , 10, 10689-10694	3.7	6
104	Hierarchically nanostructured bimetallic NiCo/MgxNiyO catalyst with enhanced activity for phenol hydrogenation. <i>Molecular Catalysis</i> , 2020 , 485, 110846	3.3	12
103	Ba-Doped Pd/Al ₂ O ₃ for Continuous Synthesis of Diphenylamine via Dehydrogenative Aromatization. <i>Industrial & Engineering Chemistry Research</i> , 2020 , 59, 1436-1445	3.9	5
102	Dual-site fluorescent probe for multi-response detection of ClO and HO and bio-imaging. <i>Analytica Chimica Acta</i> , 2020 , 1103, 174-182	6.6	19
101	Novel cake-like Fe ₃ N ₄ hybrid for H ₂ activation. <i>International Journal of Hydrogen Energy</i> , 2020 , 45, 1649-1657	6.7	3

100	Selective hydrogenation of cinnamaldehyde over magnetic flower-like carbonaceous Pd catalysts. <i>New Journal of Chemistry</i> , 2020 , 44, 20367-20374	3.6	1
99	An active and stable Ni/MMT-AE catalyst for dioctyl phthalate hydrogenation. <i>Molecular Catalysis</i> , 2020 , 495, 111156	3.3	2
98	Novel imine-linked covalent organic frameworks: preparation, characterization and application. <i>Journal of Materials Chemistry A</i> , 2019 , 7, 5650-5655	13	35
97	MOF-derived Ni@NC catalyst: synthesis, characterization, and application in one-pot hydrogenation and reductive amination. <i>Catalysis Science and Technology</i> , 2019 , 9, 3726-3734	5.5	20
96	Hybrids of TiO ₂ nanobelts modified by graphene: Preparation, characterization, and photocatalytic performance. <i>Applied Surface Science</i> , 2019 , 490, 546-555	6.7	12
95	Construction and catalytic applications of an amino-functionalized covalent organic framework. <i>Transition Metal Chemistry</i> , 2019 , 44, 689-697	2.1	4
94	Co based N, S co-doped carbon hybrids for catalytic hydrogenation: Role of cobalt salt and doped S. <i>Applied Catalysis A: General</i> , 2019 , 579, 99-105	5.1	22
93	Creation of bispiro[pyrazolone-3,3'-oxindoles] via a phosphine-catalyzed enantioselective [3 + 2] annulation of the Morita-Baylis-Hillman carbonates with pyrazolone-ylidene oxindoles. <i>Organic Chemistry Frontiers</i> , 2019 , 6, 2210-2214	5.2	27
92	Cobalt imine-pyridine-carbonyl complex functionalized metal-organic frameworks as catalysts for alkene epoxidation. <i>Transition Metal Chemistry</i> , 2019 , 44, 595-602	2.1	5
91	Controllable Sulfur, Nitrogen Co-doped Porous Carbon for Ethylbenzene Oxidation: The Role of Nano-CaCO ₃ . <i>Chemistry - an Asian Journal</i> , 2019 , 14, 1535-1540	4.5	5
90	N,S-Codoped Carbon Shells Embedded with Ultrafine Co NPs for Reductive Amination with Formic Acid. <i>ACS Sustainable Chemistry and Engineering</i> , 2019 , 7, 8876-8884	8.3	28
89	Study on adsorptive behavior of pyrolytic nitrogen-doped graphene gel. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2019 , 563, 255-262	5.1	4
88	Cobalt Entrapped in N,S-Codoped Porous Carbon: Catalysts for Transfer Hydrogenation with Formic Acid. <i>ChemSusChem</i> , 2019 , 12, 487-494	8.3	39
87	Multi-responsive red solid emitter: Detection of trace water and sense of relative humidity. <i>Science China Materials</i> , 2019 , 62, 823-830	7.1	7
86	A novel Pd-Ni bimetallic synergistic catalyst on ZIF-8 for Sonogashira coupling reaction. <i>Materials Letters</i> , 2018 , 220, 321-324	3.3	21
85	Selective Synthesis of N,N-Bis(3-dimethylaminopropyl)amine over Pd/Al ₂ O ₃ . <i>Bulletin of the Korean Chemical Society</i> , 2018 , 39, 391-396	1.2	2
84	Wang resin-supported enantioselective catalysts for the asymmetric Michael additions of acetone to nitroolefins. <i>Chemical Research in Chinese Universities</i> , 2018 , 34, 84-89	2.2	0
83	Stimuli-responsive 2,6-diarylethene-4H-pyran-4-one derivatives: Aggregation induced emission enhancement, mechanochromism and solvatochromism. <i>Materials Letters</i> , 2018 , 212, 225-230	3.3	18

82	An Organocatalytic Synthesis of Chiral Pyrano[2,3-d]pyrimidines through [3+3] Annulation of 1,3-Dimethyl-barbituric Acid with 2-(1-Alkynyl)-2-alken-1-ones. <i>European Journal of Organic Chemistry</i> , 2018 , 2018, 347-354	3.2	7
81	Several fluorescent probes based on hemicyanine for the detection of SO ₂ derivatives. <i>Analytical Methods</i> , 2018 , 10, 4695-4701	3.2	6
80	Efficient synthesis of (S,S)-2,8-diazabicyclo[4.3.0]nonane. <i>Synthetic Communications</i> , 2017 , 47, 238-244	1.7	4
79	Synthesis and Application of Novel Triazine-Based Charring-Foaming Agents in Intumescent Flame Retardant Polypropylene. <i>Transactions of Tianjin University</i> , 2017 , 23, 221-229	2.9	2
78	Two-Dimensional Imine-Linked Covalent Organic Frameworks as a Platform for Selective Oxidation of Olefins. <i>ACS Applied Materials & Interfaces</i> , 2017 , 9, 22856-22863	9.5	88
77	Design, synthesis, immunocytochemistry evaluation, and molecular docking investigation of several 4-aminopyridine derivatives as potential neuroprotective agents for treating Parkinson's disease. <i>Bioorganic Chemistry</i> , 2017 , 73, 63-75	5.1	10
76	3D nitrogen-doped graphene gels as robust and sustainable adsorbents for dyes. <i>New Journal of Chemistry</i> , 2017 , 41, 15447-15457	3.6	10
75	Michael-Michael Addition Reactions Promoted by Secondary Amine-Thiourea: Stereocontrolled Construction of Barbiturate-Fused Tetrahydropyrano Scaffolds and Pyranocoumarins. <i>Journal of Organic Chemistry</i> , 2017 , 82, 13594-13601	4.2	21
74	Synthesis and Stability of Hydroxyfasudil Derivatives as Prodrugs. <i>Transactions of Tianjin University</i> , 2017 , 23, 87-92	2.9	
73	Efficient Construction of the Nucleus of Rosuvastatin Calcium. <i>Journal of Heterocyclic Chemistry</i> , 2017 , 54, 1898-1903	1.9	2
72	A near-infrared fluorescent probe for rapid and selective detection of hydrosulfide and imaging in live cells. <i>Research on Chemical Intermediates</i> , 2017 , 43, 2945-2957	2.8	10
71	Catalytic hydrogenation of 2-nitro-2'-hydroxy-5'-methylazobenzene over solid base-hydrogenation bifunctional catalysts: Effect of alkali metals on Pd/EAl ₂ O ₃ . <i>Catalysis Communications</i> , 2017 , 90, 35-38	3.2	6
70	Alkoxy substituted D-EA dimethyl-4-pyrone derivatives: Aggregation induced emission enhancement, mechanochromic and solvatochromic properties. <i>Dyes and Pigments</i> , 2017 , 137, 75-83	4.6	31
69	Controllable magnetic 3D nitrogen-doped graphene gel: Synthesis, characterization, and catalytic performance. <i>Applied Catalysis B: Environmental</i> , 2017 , 204, 316-323	21.8	41
68	Synthesis and evaluation of anthranilamide-based derivatives as FXa inhibitors. <i>Oncotarget</i> , 2017 , 8, 37186-37199	3.6	19
67	An Efficient Method for the Synthesis of Laquinimod. <i>Journal of Heterocyclic Chemistry</i> , 2016 , 53, 437-440	0.9	2
66	An Efficient Synthesis of N,N,N',N'-Pentamethyldipropylenetriamine. <i>Journal of Chemical Research</i> , 2016 , 40, 486-488	0.6	0
65	Mechanically strong fully biobased anisotropic cellulose aerogels. <i>RSC Advances</i> , 2016 , 6, 96518-96526	3.7	62

64	Enantioselective Catalytic Domino Aza-Michael-Henry Reactions: One-Pot Asymmetric Synthesis of 3-Nitro-1,2-dihydroquinolines via Iminium Activation. <i>European Journal of Organic Chemistry</i> , 2016 , 2016, 1702-1707	3.2	15
63	Efficient continuous kinetic resolution of racemic 2-aminobutanol over immobilized penicillin G acylase. <i>Synthetic Communications</i> , 2016 , 46, 956-962	1.7	5
62	Reductive cyclization of 2-nitro-2'-hydroxy-5'-methylazobenzene to benzotriazole over K-doped Pd/Al ₂ O ₃ . <i>RSC Advances</i> , 2016 , 6, 16766-16771	3.7	12
61	A Scalable and Facile Process for the Preparation of N-(Pyridin-4-yl) Piperazine-1-Carboxamide Hydrochloride. <i>Journal of Chemical Research</i> , 2016 , 40, 152-155	0.6	
60	Enhanced AIE and different stimuli-responses in red fluorescent (1,3-dimethyl)barbituric acid-functionalized anthracenes. <i>Journal of Materials Chemistry C</i> , 2016 , 4, 751-757	7.1	21
59	Controlled release strategy of paclitaxel by conjugating to matrix metalloproteinases-2 sensitive peptide. <i>Oncotarget</i> , 2016 , 7, 52230-52238	3.3	6
58	An Efficient Method for Synthesis of Tofacitinib Citrate. <i>Journal of Heterocyclic Chemistry</i> , 2016 , 53, 1259-1263	1.2	7
57	A novel near-infrared colorimetric probe for fluoride anions based on a heptamethine dye. <i>Analytical Methods</i> , 2016 , 8, 6452-6457	3.2	7
56	(1R,2R)-(+)-(1,2)-DPEN-Bonded Sulfonic Acid Resin: A Trifunctional Heterogeneous Catalyst for Asymmetric Michael Additions of Acetone to Nitroolefins. <i>Synthetic Communications</i> , 2015 , 45, 1248-1258	1.7	4
55	Construction of 2-(2'-Hydroxy-5'-methylphenyl)benzotriazole over Pd/Al ₂ O ₃ by a Continuous Process. <i>ACS Sustainable Chemistry and Engineering</i> , 2015 , 3, 1890-1896	8.3	13
54	Continuous asymmetric Michael addition of ketones to Nitroolefins over (1R,2R)-(+)-1,2-DPEN-modified sulfonic acid resin. <i>Catalysis Science and Technology</i> , 2015 , 5, 724-728	5.5	6
53	A sensitive colorimetric and ratiometric chemosensor for trivalent metal cations. <i>Journal of Fluorescence</i> , 2015 , 25, 327-33	2.4	11
52	Synthesis of the alkylated active metabolite of tipidogrel. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2015 , 25, 1718-1723	2.9	1
51	Significant effect of alkyl chain length on fluorescent thermochromism of 9,10-bis(p-alkoxystyryl)anthracenes. <i>RSC Advances</i> , 2015 , 5, 53255-53258	3.7	10
50	Iron(III)-Modified Tungstophosphoric Acid Supported on Titania Catalyst: Synthesis, Characterization, and Friedel-Craft Acylation of m-Xylene. <i>Industrial & Engineering Chemistry Research</i> , 2015 , 54, 8893-8899	3.9	12
49	A Facile Method for the Synthesis of Betrixaban. <i>Journal of Chemical Research</i> , 2015 , 39, 524-526	0.6	3
48	Effect of Alkali Treatment of HY Zeolite on Continuous Synthesis of Triacetoneamine. <i>Journal of Heterocyclic Chemistry</i> , 2015 , 52, 1377-1381	1.9	0
47	The synthesis of asymmetric ethylenediamine derivatives catalyzed by ion-exchange resins. <i>Research on Chemical Intermediates</i> , 2015 , 41, 4511-4522	2.8	1

46	Design, Synthesis, and Biological Evaluations of Several Y-26732 Analogues. <i>Journal of Heterocyclic Chemistry</i> , 2015 , 52, 1212-1218	1.9	4
45	Facile and efficient reductive N-alkylation of nitrobenzenes with alcohols catalyzed by Cu I /Al $_2$ O $_3$. <i>Research on Chemical Intermediates</i> , 2015 , 41, 5399-5409	2.8	5
44	A near-infrared multifunctional fluorescent probe with an inherent tumor-targeting property for bioimaging. <i>Chemical Communications</i> , 2015 , 51, 11721-4	5.8	37
43	A comparative study on iron modified or unmodified tungstophosphoric acid supported on titania for Friedel-Crafts acylation. <i>Journal of Porous Materials</i> , 2015 , 22, 1137-1143	2.4	2
42	Efficient Synthesis of the Nucleus of Atorvastatin Calcium. <i>Synthetic Communications</i> , 2015 , 45, 2832-2840	1.7	3
41	Metal chlorides supported solid catalysts for F-C acylations of arenes. <i>Transactions of Tianjin University</i> , 2015 , 21, 400-405	2.9	
40	Resin-immobilized pyrrolidine-based chiral organocatalysts for asymmetric Michael additions of ketones and aldehydes to nitroolefins. <i>RSC Advances</i> , 2015 , 5, 3461-3464	3.7	12
39	Synthesis and biological evaluation of novel pazopanib derivatives as antitumor agents. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2014 , 24, 1108-10	2.9	16
38	Hydroarylation of Styrenes with Electron-Rich Arenes Over Acidic Ion-Exchange Resins. <i>Synthetic Communications</i> , 2014 , 44, 1893-1903	1.7	13
37	Glucosamine modified near-infrared cyanine as a sensitive colorimetric fluorescent chemosensor for aspartic and glutamic acid and its applications. <i>New Journal of Chemistry</i> , 2014 , 38, 4791-4798	3.6	21
36	An efficient Fe $_2$ O $_3$ /HY catalyst for Friedel-Crafts acylation of m-xylene with benzoyl chloride. <i>RSC Advances</i> , 2014 , 4, 36951-36958	3.7	19
35	Continuous synthesis of triacetoneamine over sulfonic acid-functionalized mesoporous silicas. <i>RSC Advances</i> , 2014 , 4, 17860	3.7	1
34	Hydrogenation of aromatic aldehydes to aromatic hydrocarbons over Cu-HZSM-5 catalyst. <i>Catalysis Communications</i> , 2014 , 57, 45-49	3.2	31
33	Hydrogenation of Aldehydes and Ketones to Corresponding Alcohols with Methylamine Borane in Neat Water. <i>Synthetic Communications</i> , 2014 , 44, 2555-2564	1.7	7
32	Synthesis of An Impurity in Crude Roflumilast. <i>Journal of Chemical Research</i> , 2014 , 38, 507-509	0.6	3
31	Synthesis of Hindered Phenolic Esters over Ion-Exchange Resins. <i>Synthetic Communications</i> , 2014 , 44, 3426-3434	1.7	
30	Friedel-Crafts Alkylation of N-(2-Chloropropionyl)aniline and the Generation Mechanism of Byproducts. <i>Journal of Heterocyclic Chemistry</i> , 2014 , 51, 1811-1813	1.9	5
29	Near-infrared aminocyanine dyes: synthesis, optical properties, and application to the preparation of fluorescent microspheres. <i>Research on Chemical Intermediates</i> , 2014 , 40, 1469-1481	2.8	7

28	Chemoselective hydrogenation of aromatic aldehydes over SiO ₂ modified Co/Al ₂ O ₃ . <i>Applied Catalysis A: General</i> , 2014 , 476, 34-38	5.1	23
27	A fluorescent chemosensor for fluoride anions based on a hemicyanine dye. <i>Research on Chemical Intermediates</i> , 2013 , 39, 3525-3530	2.8	1
26	Catalytic amination of 2,6-dimethylphenol to 2,6-dimethylaniline over Ni/Cu/Al ₂ O ₃ . <i>Research on Chemical Intermediates</i> , 2013 , 39, 1135-1142	2.8	1
25	One-Pot Enantioselective Synthesis of 3-Nitro-2H-chromenes Catalyzed by a Simple 4-Hydroxyprolinamide with 4-Nitrophenol as Cocatalyst. <i>European Journal of Organic Chemistry</i> , 2013 , 2013, 5431-5438	3.2	18
24	A modified procedure for synthesis of the side chain of ceftazidime-activated thioester. <i>Research on Chemical Intermediates</i> , 2013 , 39, 615-620	2.8	1
23	Isolation, synthesis and structure confirmation of the impurity in crude roflumilast product. <i>Research on Chemical Intermediates</i> , 2013 , 39, 3111-3115	2.8	3
22	A convenient method for the synthesis of roflumilast. <i>Research on Chemical Intermediates</i> , 2013 , 39, 2107-2113	2.8	1
21	A colorimetric and fluorescent probe for fluoride anions based on a phenanthroimidazole-cyanine platform. <i>Analytical Methods</i> , 2013 , 5, 1612	3.2	18
20	A novel co-production process for piperazine and its N-monoalkyl derivatives. <i>Research on Chemical Intermediates</i> , 2012 , 38, 1149-1157	2.8	3
19	A continuous process for the reductive deoxygenation of aromatic ketones over Cu ₃₀ Cr ₁₀ /Al ₂ O ₃ . <i>Research on Chemical Intermediates</i> , 2012 , 38, 1341-1349	2.8	17
18	Chiral pyrrolidine quaternary derivatives as organocatalysts for asymmetric Michael additions. <i>Research on Chemical Intermediates</i> , 2012 , 38, 1501-1509	2.8	1
17	Cyclization of monoethanolamine to aziridine over Cs ₂ O/B ₂ O ₅ /SiO ₂ . <i>Research on Chemical Intermediates</i> , 2012 , 38, 1743-1750	2.8	5
16	A general process for the cyclization of aminoalcohols to the corresponding amines over Cu/Cr/Al ₂ O ₃ . <i>Reaction Kinetics, Mechanisms and Catalysis</i> , 2012 , 106, 485-493	1.6	8
15	The reductive amination of cyclohexanone with 1,6-diaminohexane over alumina B modified Cu/Cr/Al ₂ O ₃ . <i>Catalysis Communications</i> , 2012 , 20, 58-62	3.2	4
14	Preparation of a pH-Sensitive Polystyrene Fluorescent Microsphere based on a Cyanine Dye. <i>Journal of Chemical Research</i> , 2012 , 36, 632-634	0.6	5
13	Asymmetric Michael Additions Catalysed by Functionalised Quaternary Alkylammonium Ionic Liquids. <i>Journal of Chemical Research</i> , 2012 , 36, 96-99	0.6	1
12	One-Pot Synthesis of Cefpirome Sulfate from GCLE. <i>Synthetic Communications</i> , 2011 , 41, 629-636	1.7	1
11	An Efficient Process for the Cyclization of N-hydroxyethyl-N-methyl-1,3-propanediamine to N-methylhomopiperazine Over Cu ₂₀ Cr ₁₀ Mg ₁₀ /Al ₂ O ₃ . <i>Catalysis Letters</i> , 2011 , 141, 1142-1148	2.8	7

10	Pyrrolidine-Based Chiral Quaternary Alkylammonium Ionic Liquids as Organocatalysts for Asymmetric Michael Additions. <i>Catalysis Letters</i> , 2011 , 141, 1324-1331	2.8	11
9	Reductive Amination of Triacetoneamine with n-Butylamine Over Cu ₂ O/Al ₂ O ₃ . <i>Catalysis Letters</i> , 2011 , 141, 1703-1708	2.8	15
8	The role of iron in the selective amination of 1,2-butanediol to 2-amino-1-butanol over Co ₃ O ₄ /Al ₂ O ₃ . <i>Reaction Kinetics, Mechanisms and Catalysis</i> , 2010 , 100, 449	1.6	1
7	Synthesis of α -amino-keto-esters (α -keto-dipeptides). <i>Frontiers of Chemistry in China: Selected Publications From Chinese Universities</i> , 2008 , 3, 485-488		
6	Racemization of chiral amino alcohols III: Effect of Mg or Ca addition on the activity and stability of the Co/Al ₂ O ₃ catalyst. <i>Reaction Kinetics and Catalysis Letters</i> , 2007 , 90, 373-380		4
5	A continuous process for the synthesis of homopiperazine catalyzed by Cu-based catalysts. <i>Reaction Kinetics and Catalysis Letters</i> , 2006 , 89, 201-208		7
4	Racemization of chiral amino alcohols: Catalyst selection and characterization. <i>Reaction Kinetics and Catalysis Letters</i> , 2005 , 86, 203-209		1
3	Synthesis and X-ray structure of new spiro-imidazo[2,1-b]thiazole. <i>Journal of Heterocyclic Chemistry</i> , 1999 , 36, 1307-1310	1.9	1
2	Construction of Azobenzene Covalent Organic Frameworks as High-Performance Heterogeneous Photocatalyst. <i>Catalysis Letters</i> , 1	2.8	0
1	Rh ₁ Cu ₃ /ZSM-5 as an Efficient Bifunctional Catalyst/Adsorbent for VOCs Abatement. <i>Catalysis Letters</i> , 1	2.8	0