

# Lei Hu

## List of Publications by Year in descending order

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Version: 2024-02-01

40  
papers

1,110  
citations

394421

19  
h-index

395702

33  
g-index

44  
all docs

44  
docs citations

44  
times ranked

1484  
citing authors

#	ARTICLE	IF	CITATIONS
1	Highly efficient synthesis of aromatic azos catalyzed by unsupported ultra-thin Pt nanowires. <i>Chemical Communications</i> , 2012, 48, 3445.	4.1	89
2	A Highly Active Nano-Palladium Catalyst for the Preparation of Aromatic Azos under Mild Conditions. <i>Organic Letters</i> , 2011, 13, 5640-5643.	4.6	86
3	Reversible Hydrogenation/Oxidative Dehydrogenation of Quinolines over a Highly Active Pt Nanowire Catalyst under Mild Conditions. <i>ChemCatChem</i> , 2013, 5, 2183-2186.	3.7	75
4	Highly Efficient Synthesis of <i>N</i> -Substituted Isoindolinones and Phthalazinones Using Pt Nanowires as Catalysts. <i>Organic Letters</i> , 2012, 14, 1876-1879.	4.6	71
5	Ultrathin Platinum Nanowire Catalysts for Direct C-N Coupling of Carbonyls with Aromatic Nitro Compounds under 1 Bar of Hydrogen. <i>Chemistry - A European Journal</i> , 2011, 17, 14283-14287.	3.3	70
6	Direct Hydrogenation of Nitroaromatics and One-Pot Amidation with Carboxylic Acids over Platinum Nanowires. <i>Chemistry - A European Journal</i> , 2011, 17, 2763-2768.	3.3	67
7	Preparation of Pt@Fe <sub>2</sub> O <sub>3</sub> Nanowires and their Catalysis of Selective Oxidation of Olefins and Alcohols. <i>Chemistry - A European Journal</i> , 2011, 17, 8726-8730.	3.3	58
8	Efficient asymmetric synthesis of lamivudine via enzymatic dynamic kinetic resolution. <i>Chemical Communications</i> , 2013, 49, 10376-10378.	4.1	56
9	Selective synthesis of secondary amines by Pt nanowire catalyzed reductive amination of aldehydes and ketones with ammonia. <i>Chemical Communications</i> , 2012, 48, 9631.	4.1	51
10	Double parallel dynamic resolution through lipase-catalyzed asymmetric transformation. <i>Chemical Communications</i> , 2013, 49, 1805.	4.1	47
11	Oxidation of benzylic compounds by gold nanowires at 1 atm O <sub>2</sub> . <i>Chemical Communications</i> , 2011, 47, 1303-1305.	4.1	39
12	Highly-dispersed ultrafine Pt nanoparticles on graphene as effective hydrogenation catalysts. <i>RSC Advances</i> , 2012, 2, 5520.	3.6	39
13	Cu@Ag as a highly active catalyst for the selective oxidation of trans-stilbene and alcohols. <i>Catalysis Science and Technology</i> , 2012, 2, 1146.	4.1	32
14	Catalytic epoxidation of stilbene with FePt@Cu nanowires and molecular oxygen. <i>Chemical Communications</i> , 2010, 46, 8591.	4.1	31
15	Silver-catalyzed dynamic systemic resolution of $\pm$ -iminonitriles in a 1,3-dipolar cycloaddition process. <i>Chemical Communications</i> , 2014, 50, 3792-3794.	4.1	31
16	Controlled hydrogenation of aromatic compounds by platinum nanowire catalysts. <i>RSC Advances</i> , 2012, 2, 3477.	3.6	28
17	Catalysis by Pd nanoclusters generated in situ of high-efficiency synthesis of aromatic azo compounds from nitroaromatics under H <sub>2</sub> atmosphere. <i>RSC Advances</i> , 2013, 3, 4899.	3.6	26
18	trans-Symmetric Dynamic Covalent Systems: Connected Transamination and Transimination Reactions. <i>Chemistry - A European Journal</i> , 2015, 21, 9776-9783.	3.3	24

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19	Chirality Control in Enzyme-Catalyzed Dynamic Kinetic Resolution of 1,3-Oxathiolanes. <i>Journal of Organic Chemistry</i> , 2015, 80, 8478-8481.	3.2	22
20	Gelation-driven Dynamic Systemic Resolution: in situ Generation and Self-Selection of an Organogelator. <i>Scientific Reports</i> , 2015, 5, 11065.	3.3	19
21	Lipase-catalyzed asymmetric synthesis of oxathiazinanones through dynamic covalent kinetic resolution. <i>Organic and Biomolecular Chemistry</i> , 2014, 12, 3572-3575.	2.8	18
22	Synthesis and antibacterial activity of C-12 pyrazolinyl spiro ketolides. <i>European Journal of Medicinal Chemistry</i> , 2010, 45, 5943-5949.	5.5	11
23	Development of a multivalent acetylcholinesterase inhibitor via dynamic combinatorial chemistry. <i>International Journal of Biological Macromolecules</i> , 2020, 150, 1184-1191.	7.5	11
24	Multivalent butyrylcholinesterase inhibitor discovered by exploiting dynamic combinatorial chemistry. <i>Bioorganic Chemistry</i> , 2021, 108, 104656.	4.1	11
25	VE-822, a novel DNA Holliday junction stabilizer, inhibits homologous recombination repair and triggers DNA damage response in osteogenic sarcomas. <i>Biochemical Pharmacology</i> , 2021, 193, 114767.	4.4	11
26	Identification and synthesis of an efficient multivalent E. coli heat labile toxin inhibitor ___ A dynamic combinatorial chemistry approach. <i>Bioorganic and Medicinal Chemistry</i> , 2020, 28, 115436.	3.0	9
27	Identification and synthesis of selective cholesterol esterase inhibitor using dynamic combinatorial chemistry. <i>Bioorganic Chemistry</i> , 2022, 119, 105520.	4.1	9
28	Simultaneous quantification of fosinopril and its active metabolite fosinoprilat in rat plasma by UFLC-MS/MS: Application of formic acid in the stabilization of an ester-containing drug. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2015, 990, 141-149.	2.3	8
29	Asymmetric one-pot synthesis of five- and six-membered lactones via dynamic covalent kinetic resolution: Exploring the regio- and stereoselectivities of lipase. <i>Tetrahedron Letters</i> , 2019, 60, 868-871.	1.4	8
30	Synthesis and comparative study of emulsifying and biological properties of triazolated glucolipids. <i>Tetrahedron</i> , 2020, 76, 131517.	1.9	8
31	Synthesis of in-situ surfactant-free Pd nanoparticle catalysts for the synthesis of aromatic azo compounds and for unsaturated bond hydrogenation by hydrogen transfer. <i>Chinese Journal of Catalysis</i> , 2013, 34, 2084-2088.	14.0	7
32	Study of the in vitro metabolism of TJ0711 using ultra high performance liquid chromatography with quadrupole time-of-flight and ultra fast liquid chromatography with quadrupole linear ion trap mass spectrometry. <i>Journal of Separation Science</i> , 2015, 38, 1837-1849.	2.5	7
33	Multienzymatic cascade synthesis of an enantiopure (2R,5R)-1,3-oxathiolane anti-HIV agent precursor. <i>Molecular Catalysis</i> , 2019, 468, 52-56.	2.0	7
34	Comparative study of surface-active and biological properties of lactose-derived acylhydrazones. <i>Journal of Molecular Liquids</i> , 2021, 322, 114989.	4.9	6
35	Physical and biological evaluation of glucose hydrazones as biodegradable emulsifiers. <i>Journal of Molecular Liquids</i> , 2022, 350, 118224.	4.9	4
36	Identification of potent $\hat{\pm}$ -amylase inhibitors via dynamic combinatorial chemistry. <i>Bioorganic and Medicinal Chemistry</i> , 2022, 55, 116609.	3.0	4

#	ARTICLE	IF	CITATIONS
37	CHAPTER 13. Constitutional Dynamic Chemistry for Bioactive Compounds. Monographs in Supramolecular Chemistry, 2013, , 397-418.	0.2	3
38	Synthesis and comparative studies on the surface-active and biological properties of linear poly(glycidol) esters. Journal of Molecular Liquids, 2022, 360, 119538.	4.9	3
39	Structural Dependence of Platinum Nanostructures on Catalytic Performance in Aromatic Azo Compound Reaction Investigated by X-ray Absorption Fine Structure Spectroscopy. Journal of Physical Chemistry C, 2016, 120, 14712-14718.	3.1	2
40	Biocatalytic enantioselective construction of 1,3-oxathiolan-5-ones via dynamic covalent kinetic resolution of hemithioketals. Molecular Catalysis, 2022, 519, 112114.	2.0	2