Lei Hu

List of Publications by Year
in descending order

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40	1,110	394421	395702
papers	citations	19 h-index	33 g-index

44	44	44	1484
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Identification and synthesis of selective cholesterol esterase inhibitor using dynamic combinatorial chemistry. Bioorganic Chemistry, 2022, 119, 105520.	4.1	9
2	Physical and biological evaluation of glucose hydrazones as biodegradable emulsifiers. Journal of Molecular Liquids, 2022, 350, 118224.	4.9	4
3	Identification of potent Î±-amylase inhibitors via dynamic combinatorial chemistry. Bioorganic and Medicinal Chemistry, 2022, 55, 116609.	3.0	4
4	Biocatalytic enantioselective construction of 1,3-oxathiolan-5-ones via dynamic covalent kinetic resolution of hemithioketals. Molecular Catalysis, 2022, 519, 112114.	2.0	2
5	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
6	Comparative study of surface-active and biological properties of lactose-derived acylhydrazones. Journal of Molecular Liquids, 2021, 322, 114989.	4.9	6
7	Multivalent butyrylcholinesterase inhibitor discovered by exploiting dynamic combinatorial chemistry. Bioorganic Chemistry, 2021, 108, 104656.	4.1	11
8	VE-822, a novel DNA Holliday junction stabilizer, inhibits homologous recombination repair and triggers DNA damage response in osteogenic sarcomas. Biochemical Pharmacology, 2021, 193, 114767.	4.4	11
9	Development of a multivalent acetylcholinesterase inhibitor via dynamic combinatorial chemistry. International Journal of Biological Macromolecules, 2020, 150, 1184-1191.	7.5	11
10	Synthesis and comparative study of emulsifying and biological properties of triazolated glucolipids. Tetrahedron, 2020, 76, 131517.	1.9	8
11	Identification and synthesis of an efficient multivalent E. coli heat labile toxin inhibitor ___ A dynamic combinatorial chemistry approach. Bioorganic and Medicinal Chemistry, 2020, 28, 115436.	3.0	9
12	Asymmetric one-pot synthesis of five- and six-membered lactones via dynamic covalent kinetic resolution: Exploring the regio- and stereoselectivities of lipase. Tetrahedron Letters, 2019, 60, 868-871.	1.4	8
13	Multienzymatic cascade synthesis of an enantiopure (2R,5R)-1,3-oxathiolane anti-HIV agent precursor. Molecular Catalysis, 2019, 468, 52-56.	2.0	7
14	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
15	transâ€Symmetric Dynamic Covalent Systems: Connected Transamination and Transimination Reactions. Chemistry - A European Journal, 2015, 21, 9776-9783.	3.3	24
16	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. Journal of Separation Science, 2015, 38, 1837-1849.	2.5	7
17	Gelation-driven Dynamic Systemic Resolution: in situ Generation and Self-Selection of an Organogelator. Scientific Reports, 2015, 5, 11065.	3.3	19
18	Chirality Control in Enzyme-Catalyzed Dynamic Kinetic Resolution of 1,3-Oxathiolanes. Journal of Organic Chemistry, 2015, 80, 8478-8481.	3.2	22

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19	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. Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences, 2015, 990, 141-149.	2.3	8
20	Silver-catalyzed dynamic systemic resolution of Î±-iminonitriles in a 1,3-dipolar cycloaddition process. Chemical Communications, 2014, 50, 3792-3794.	4.1	31
21	Lipase-catalyzed asymmetric synthesis of oxathiazinanones through dynamic covalent kinetic resolution. Organic and Biomolecular Chemistry, 2014, 12, 3572-3575.	2.8	18
22	Efficient asymmetric synthesis of lamivudine via enzymatic dynamic kinetic resolution. Chemical Communications, 2013, 49, 10376-10378.	4.1	56
23	Synthesis of in-situ surfactant-free Pd nanoparticle catalysts for the synthesis of aromatic azo compounds and for unsaturated bond hydrogenation by hydrogen transfer. Chinese Journal of Catalysis, 2013, 34, 2084-2088.	14.0	7
24	Double parallel dynamic resolution through lipase-catalyzed asymmetric transformation. Chemical Communications, 2013, 49, 1805.	4.1	47
25	Reversible Hydrogenationâ€“Oxidative Dehydrogenation of Quinolines over a Highly Active Pt Nanowire Catalyst under Mild Conditions. ChemCatChem, 2013, 5, 2183-2186.	3.7	75
26	Catalysis by Pd nanoclusters generated in situ of high-efficiency synthesis of aromatic azo compounds from nitroaromatics under H2 atmosphere. RSC Advances, 2013, 3, 4899.	3.6	26
27	CHAPTER 13. Constitutional Dynamic Chemistry for Bioactive Compounds. Monographs in Supramolecular Chemistry, 2013, , 397-418.	0.2	3
28	Cuo@Ag as a highly active catalyst for the selective oxidation of trans-stilbene and alcohols. Catalysis Science and Technology, 2012, 2, 1146.	4.1	32
29	Highly efficient synthesis of aromatic azos catalyzed by unsupported ultra-thin Pt nanowires. Chemical Communications, 2012, 48, 3445.	4.1	89
30	Controlled hydrogenation of aromatic compounds by platinum nanowire catalysts. RSC Advances, 2012, 2, 3477.	3.6	28
31	Selective synthesis of secondary amines by Pt nanowire catalyzed reductive amination of aldehydes and ketones with ammonia. Chemical Communications, 2012, 48, 9631.	4.1	51
32	Highly Efficient Synthesis of N-Substituted Isoindolinones and Phthalazinones Using Pt Nanowires as Catalysts. Organic Letters, 2012, 14, 1876-1879.	4.6	71
33	Highly-dispersed ultrafine Pt nanoparticles on graphene as effective hydrogenation catalysts. RSC Advances, 2012, 2, 5520.	3.6	39
34	Oxidation of benzylic compounds by gold nanowires at 1 atm O₂. Chemical Communications, 2011, 47, 1303-1305.	4.1	39
35	A Highly Active Nano-Palladium Catalyst for the Preparation of Aromatic Azos under Mild Conditions. Organic Letters, 2011, 13, 5640-5643.	4.6	86
36	Direct Hydrogenation of Nitroaromatics and Oneâ€Pot Amidation with Carboxylic Acids over Platinum Nanowires. Chemistry - A European Journal, 2011, 17, 2763-2768.	3.3	67

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37	Preparation of Pt@Fe₂O₃ Nanowires and their Catalysis of Selective Oxidation of Olefins and Alcohols. Chemistry - A European Journal, 2011, 17, 8726-8730.	3.3	58
38	Ultrathin Platinum Nanowire Catalysts for Direct Cï£¿N Coupling of Carbonyls with Aromatic Nitro Compounds under 1â€…Bar of Hydrogen. Chemistry - A European Journal, 2011, 17, 14283-14287.	3.3	70
39	Synthesis and antibacterial activity of C-12 pyrazolinyl spiro ketolides. European Journal of Medicinal Chemistry, 2010, 45, 5943-5949.	5.5	11
40	Catalytic epoxidation of stilbene with FePt@Cu nanowires and molecular oxygen. Chemical Communications, 2010, 46, 8591.	4.1	31