

Lei Shi

List of Publications by Year in descending order

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papers

1,312
citations

430874

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345221

36
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48
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48
times ranked

1273
citing authors

#	ARTICLE	IF	CITATIONS
1	Biomimetic Asymmetric Hydrogenation: In Situ Regenerable Hantzsch Esters for Asymmetric Hydrogenation of Benzoxazinones. <i>Journal of the American Chemical Society</i> , 2011, 133, 16432-16435.	13.7	175
2	Catalytic Enantioselective Radical Cyclization via Regiodivergent Epoxide Opening. <i>Journal of the American Chemical Society</i> , 2010, 132, 11858-11859.	13.7	110
3	Programmed Assembly of Two Different Ligands with Metallic Ions: Generation of Self-Supported Noyori-type Catalysts for Heterogeneous Asymmetric Hydrogenation of Ketones. <i>Journal of the American Chemical Society</i> , 2005, 127, 7694-7695.	13.7	102
4	Engineering a Polymeric Chiral Catalyst by Using Hydrogen Bonding and Coordination Interactions. <i>Angewandte Chemie - International Edition</i> , 2006, 45, 4108-4112.	13.8	96
5	Heterogenization of Shibasaki's Binol/La Catalyst for Enantioselective Epoxidation of $\hat{1},\hat{1}^2$ -Unsaturated Ketones with Multitopic Binol Ligands: The Impact of Bridging Spacers. <i>Angewandte Chemie - International Edition</i> , 2005, 44, 6362-6366.	13.8	82
6	Synthesis of $(\hat{A}\pm)\hat{A}$ -Merrilactone and $(\hat{A}\pm)\hat{A}$ -Anislactone. <i>Angewandte Chemie - International Edition</i> , 2010, 49, 9250-9253.	13.8	73
7	Photocatalytic Generation of $\hat{I}\hat{E}$ -Allyltitanium Complexes via Radical Intermediates. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 1561-1566.	13.8	62
8	Development of a Continuous-Flow System for Asymmetric Hydrogenation Using Self-Supported Chiral Catalysts. <i>Chemistry - A European Journal</i> , 2009, 15, 9855-9867.	3.3	56
9	Visible-light-driven spirocyclization of epoxides <i>via</i> dual titanocene and photoredox catalysis. <i>Chemical Science</i> , 2020, 11, 839-844.	7.4	46
10	Self-supported chiral catalysts for heterogeneous enantioselective reactions. <i>Pure and Applied Chemistry</i> , 2007, 79, 1531-1540.	1.9	42
11	Total Synthesis and Structural Revision of Antibiotic CJ-6,264. <i>Angewandte Chemie - International Edition</i> , 2015, 54, 9203-9208.	13.8	39
12	Total Synthesis of Myceliothermophins C, D, and E. <i>Angewandte Chemie - International Edition</i> , 2014, 53, 10970-10974.	13.8	36
13	Silibinin Inhibits NSCLC Metastasis by Targeting the EGFR/LOX Pathway. <i>Frontiers in Pharmacology</i> , 2018, 9, 21.	3.5	36
14	General Synthetic Approach to Functionalized Dihydrooxepines. <i>Organic Letters</i> , 2013, 15, 1994-1997.	4.6	32
15	Photocatalytic Umpolung Synthesis of Nucleophilic $\hat{I}\hat{E}$ -Allylcobalt Complexes for Allylation of Aldehydes. <i>ACS Catalysis</i> , 2021, 11, 2992-2998.	11.2	32
16	Visible-light-mediated Barbier allylation of aldehydes and ketones <i>via</i> dual titanium and photoredox catalysis. <i>Organic Chemistry Frontiers</i> , 2020, 7, 3434-3438.	4.5	25
17	Cp_2TiCl_3 Catalysis in a New Light. <i>ChemPhotoChem</i> , 2020, 4, 659-663.	3.0	17
18	Activation of Chromium Catalysts by Photoexcited Hantzsch Ester for Decarboxylative Allylation of Aldehydes with Butadiene. <i>Organic Letters</i> , 2021, 23, 8077-8081.	4.6	16

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19	A SIMPLE, EFFICIENT, AND NEW CATALYST OXIDATION METHOD WITH KClO ₃ /H ₂ SO ₄ /FeSO ₄ FOR PREPARING BISAZO COMPOUNDS. <i>Synthetic Communications</i> , 2001, 31, 1691-1695.	2.1	15
20	Photocatalytic Generation of η^6 -Allyltitanium Complexes via Radical Intermediates. <i>Angewandte Chemie</i> , 2021, 133, 1585-1590.	2.0	15
21	Photocatalytic Coupling of Methanol and Formaldehyde into Ethylene Glycol with High Atomic Efficiency. <i>Catalysis Letters</i> , 2018, 148, 2274-2282.	2.6	14
22	Gas extrusion in natural products total synthesis. <i>Organic and Biomolecular Chemistry</i> , 2012, 10, 8383.	2.8	13
23	Highly Regioselective Difluoroalkylation of Butadiene through a Nickel-Catalyzed Tandem Radical Process. <i>ACS Catalysis</i> , 2021, 11, 14848-14853.	11.2	12
24	An Efficient and Convenient Procedure for Preparation of Diaryl Carbazone from aryl substituted carbazide. <i>Synthetic Communications</i> , 1999, 29, 53-56.	2.1	9
25	<i>In situ</i> immobilization of a multicomponent chiral catalyst (MCC) via non-covalent interactions for heterogeneous asymmetric hydrogenation reactions. <i>Organic Chemistry Frontiers</i> , 2020, 7, 345-349.	4.5	9
26	Synthesis of Homoallylic Amines by Radical Allylation of Imines with Butadiene under Photoredox Catalysis. <i>Angewandte Chemie - International Edition</i> , 2022, 61, .	13.8	8
27	Photochemical Nozaki-Hiyama-Kishi Coupling Enabled by Excited Hantzsch Ester. <i>Organic Letters</i> , 2022, , .	4.6	7
28	A Convenient Method for the Preparation of Carbonyl Diazo Compounds from Aryl Substituted Carbazide. <i>Synthetic Communications</i> , 1998, 28, 2287-2290.	2.1	6
29	Synthesis, Crystal Structures, Thermal Analysis and Magnetic Property of Mono- and Bi-nuclear 1,1-Cyclobutanedicarboxylate Copper Complexes. <i>Chinese Journal of Chemistry</i> , 2006, 24, 487-492.	4.9	6
30	The Improved Method of Oxidation of 4-Fluoroaniline to 4-Fluoroazobenzene. <i>Synthetic Communications</i> , 1999, 29, 481-485.	2.1	5
31	Controlled synthesis of high quality scandium-based nanocrystals as promising recyclable catalysts for silylcyanation reaction. <i>Nanoscale</i> , 2017, 9, 10987-10991.	5.6	5
32	Novel Quinoline Compound Derivatives of NSC23925 as Potent Reversal Agents Against P-Glycoprotein-Mediated Multidrug Resistance. <i>Frontiers in Chemistry</i> , 2019, 7, 820.	3.6	4
33	Photocatalytic Generation of η^6 -Allyltitanium Complexes from Butadiene via a Radical Strategy. <i>Synthesis</i> , 2021, 53, 1889-1900.	2.3	4
34	Synthesis of Homoallylic Amines by Radical Allylation of Imines with Butadiene under Photoredox Catalysis. <i>Angewandte Chemie</i> , 0, , .	2.0	2
35	Total Synthesis of (Δ^{\pm})-Anislactone A and (Δ^{\pm})-Merrillactone A. <i>Strategies and Tactics in Organic Synthesis</i> , 2013, 9, 105-147.	0.1	1
36	Photocatalytic Generation of η^6 -Allyltitanium Complexes via Radical Intermediates. , 2021, 60, 1561.		1

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37	Programmed Assembly of Two Different Ligands with Metallic Ions: Generation of Self-Supported Noyori-Type Catalysts for Heterogeneous Asymmetric Hydrogenation of Ketones.. ChemInform, 2005, 36, no.	0.0	0
38	Heterogenization of Shibasaki's Binol/La Catalyst for Enantioselective Epoxidation of α,β -Unsaturated Ketones with Multitopic Binol Ligands: The Impact of Bridging Spacers.. ChemInform, 2006, 37, no.	0.0	0
39	A base-free Chan-Lam reaction catalyzed by an easily assembled Cu(II)-carboxylate metal-organic framework. Journal of Chemical Research, 2021, 45, 795-799.	1.3	0