Zhishan Su

List of Publications by Year
in descending order

66 papers	1,354 citations	361413 20 h-index	377865 34 g-index
66 all docs	66 docs citations	66 times ranked	1318 citing authors

#	Article	IF	Citations
1	Asymmetric Direct Aldol Reaction of Functionalized Ketones Catalyzed by Amine Organocatalysts Based on Bispidine. Journal of the American Chemical Society, 2008, 130, 5654-5655.	13.7	162
2	Bimetallic Catalytic Asymmetric Tandem Reaction of Î²â€Alkynyl Ketones to Synthesize 6,6â€Spiroketals. Angewandte Chemie - International Edition, 2019, 58, 4017-4021.	13.8	69
3	Unique Steric Effect of Geminal Bis(silane) To Control the High Exo-selectivity in Intermolecular Dielsâ€“Alder Reaction. Journal of the American Chemical Society, 2016, 138, 1877-1883.	13.7	68
4	Influence of green solvent on levulinic acid production from lignocellulosic paper waste. Bioresource Technology, 2020, 298, 122544.	9.6	66
5	Highly Efficient Amine Organocatalysts Based on Bispidine for the Asymmetric Michael Addition of Ketones to Nitroolefins. Advanced Synthesis and Catalysis, 2008, 350, 2001-2006.	4.3	62
6	Diversified Transformations of Tetrahydroindolizines to Construct Chiral 3-Arylindolizines and Dicarbofunctionalized 1,5-Diketones. Journal of the American Chemical Society, 2020, 142, 15975-15985.	13.7	58
7	Enantioselective Liquidâ€“Liquid Extractions of Underivatized General Amino Acids with a Chiral Ketone Extractant. Journal of the American Chemical Society, 2013, 135, 2653-2658.	13.7	57
8	A Simple Two-Step Method for the Selective Conversion of Hemicellulose in Pubescens to Furfural. ACS Sustainable Chemistry and Engineering, 2017, 5, 8137-8147.	6.7	50
9	Lightâ€Driven Intramolecular Câ^'N Crossâ€Coupling via a Longâ€Lived Photoactive Photoisomer Complex. Angewandte Chemie - International Edition, 2019, 58, 14666-14672.	13.8	45
10	Intramolecular Reductive Cyclization of o-Nitroarenes via Biradical Recombination. Organic Letters, 2019, 21, 1438-1443.	4.6	39
11	Regioâ€and Stereoselective Cascade of Î²,Î³â€Unsaturated Ketones by Dipeptided Phosphonium Salt Catalysis: Stereospecific Construction of Dihydrofuroâ€Fused [2,3â€b] Skeletons. Angewandte Chemie - International Edition, 2021, 60, 19860-19870.	13.8	33
12	Multimodal Imaging Iridium(III) Complex for Hypochlorous Acid in Living Systems. Analytical Chemistry, 2020, 92, 8285-8291.	6.5	32
13	Asymmetric Catalytic Formal 1,4â€Allylation of Î²,Î³â€Unsaturated Î±â€Ketoesters: Allylboration/Oxyâ€Cope Rearrangement. Angewandte Chemie - International Edition, 2019, 58, 11846-11851.	13.8	30
14	Contrasting Roles of Maleic Acid in Controlling Kinetics and Selectivity of Sn(IV)- and Cr(III)-Catalyzed Hydroxymethylfurfural Synthesis. ACS Sustainable Chemistry and Engineering, 2018, 6, 14264-14274.	6.7	28
15	Organic Acid-Regulated Lewis Acidity for Selective Catalytic Hydroxymethylfurfural Production from Rice Waste: An Experimentalâ€“Computational Study. ACS Sustainable Chemistry and Engineering, 2019, 7, 1437-1446.	6.7	28
16	Tuneable functionalities in layered double hydroxide catalysts for thermochemical conversion of biomass-derived glucose to fructose. Chemical Engineering Journal, 2020, 383, 122914.	12.7	28
17	Rhodium-Catalyzed Transarylation of Benzamides: Câ€“C Bond vs Câ€“N Bond Activation. ACS Catalysis, 2020, 10, 3398-3403.	11.2	27
18	Construction of sterically congested oxindole derivatives via visible-light-induced radical-coupling. Chemical Science, 2021, 12, 15399-15406.	7.4	26

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19	Ring Expansion of Silacyclobutanes with Allenoates to Selectively Construct 2- or 3-(E)-Enoate-Substituted Silacyclohexenes. ACS Catalysis, 2022, 12, 5185-5196.	11.2	26
20	Effects of Î³-Valerolactone/H₂O Solvent on the Degradation of pubescens for Its Fullest Utilization. Journal of Agricultural and Food Chemistry, 2018, 66, 6094-6103.	5.2	22
21	Catalytic asymmetric synthesis of spirocyclobutyl oxindoles and beyond via [2+2] cycloaddition and sequential transformations. Chemical Science, 2021, 12, 9991-9997.	7.4	22
22	Mechanistic Study of the Asymmetric Carbonyl-Ene Reaction between Alkyl Enol Ethers and Isatin Catalyzed by the N,Nâ€²-Dioxideâ€“Mg(OTf)2 Complex. Journal of Organic Chemistry, 2016, 81, 6444-6456.	3.2	20
23	Efficient Depolymerization of Cellulosic Paper Towel Waste Using Organic Carbonate Solvents. ACS Sustainable Chemistry and Engineering, 2020, 8, 13100-13110.	6.7	18
24	Theoretical Studies on the Asymmetric Baeyerâ€“Villiger Oxidation Reaction of 4â€Phenylcyclohexanone with mâ€Chloroperoxobenzoic Acid Catalyzed by Chiral Scandium(III)â€“N,Nâ€²â€Dioxide Complexes. Chemistry - A European Journal, 2015, 21, 7264-7277.	3.3	16
25	Asymmetric Baeyerâ€“Villiger oxidation: classical and parallel kinetic resolution of 3-substituted cyclohexanones and desymmetrization of meso-disubstituted cycloketones. Chemical Science, 2019, 10, 7003-7008.	7.4	16
26	Organocatalytic Stereoselective [8+2] Cycloaddition of Tropones with Azlactones. CCS Chemistry, 2022, 4, 650-659.	7.8	16
27	Electrochemical Iodoamination of Indoles Using Unactivated Amines. Organic Letters, 2020, 22, 9184-9189.	4.6	15
28	Enantioselective Synthesis of Atropisomeric Biaryl Phosphorus Compounds by Chiralâ€Phosphoniumâ€Saltâ€Enabled Cascade Arene Formation. Angewandte Chemie - International Edition, 2022, 61, .	13.8	15
29	Highly Enantioselective Extraction of Underivatized Amino Acids by the Urylâ€Pendant Hydroxyphenylâ€Binol Ketone. Chemistry - A European Journal, 2014, 20, 2895-2900.	3.3	14
30	Total Synthesis of (+)-Hinckdentine A: Harnessing Noncovalent Interactions for Organocatalytic Bromination. Jacs Au, 2022, 2, 793-800.	7.9	14
31	Diastereo- and Enantioselective Synthesis of 3-Allyl-3-hydroxyoxindoles via Allylation of Isatins. Organic Letters, 2021, 23, 8419-8423.	4.6	13
32	exo/endo Selectivity Control in Dielsâ€“Alder Reactions of Geminal Bis(silyl) Dienes: Theoretical and Experimental Studies. Journal of Organic Chemistry, 2019, 84, 3940-3952.	3.2	12
33	Catalytic enantioselective synthesis of macrodiolides and their application in chiral recognition. Chemical Science, 2021, 12, 2940-2947.	7.4	12
34	Regioâ€and Stereoselective Cascade of Î²,Î³â€Unsaturated Ketones by Dipeptided Phosphonium Salt Catalysis: Stereospecific Construction of Dihydrofuroâ€Fused [2,3â€b] Skeletons. Angewandte Chemie, 2021, 133, 20013-20023.	2.0	12
35	Theoretical Investigations on the Mechanism of Heteroâ€Dielsâ€“Alder Reactions of Brassardâ€™s Diene and 1, 3â€Butadiene Catalyzed by a Tridentate Schiff Base Titanium(IV) Complex. Chemistry - A European Journal, 2010, 16, 4359-4367.	3.3	11
36	Mechanistic investigations on asymmetric N-H insertion of amines catalyzed by palladium-chiral guanidine complex. Journal of Catalysis, 2018, 364, 426-436.	6.2	11

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37	Cooperative Catalysis of Chiral Guanidine and Rh2(OAc)4 in Asymmetric Oâ€“H Insertion of Carboxylic Acid: A Theoretical Investigation. Journal of Organic Chemistry, 2019, 84, 15020-15031.	3.2	11
38	Asymmetric Catalytic <scp>Î±â€Selective</scp> Allylation of Ketones with Allyltrifluoroborates Using <scp>Dualâ€Functional</scp> Chiral <scp>In^{III}</scp>/N,Nâ€²â€Dioxide Complex. Chinese Journal of Chemistry, 2022, 40, 1793-1798.	4.9	11
39	Mechanism and Origins of Stereoinduction in an Asymmetric Friedelâ€“Crafts Alkylation Reaction of Chalcone Catalyzed by Chiral N,Nâ€²-Dioxideâ€“Sc(III) Complex. Journal of Organic Chemistry, 2018, 83, 4628-4640.	3.2	10
40	Low temperature catalytic hydrodeoxygenation of lignin-derived phenols to cyclohexanols over the Ru/SBA-15 catalyst. RSC Advances, 2022, 12, 9352-9362.	3.6	10
41	Lightâ€Driven Intramolecular Câ^'N Crossâ€Coupling via a Longâ€Lived Photoactive Photoisomer Complex. Angewandte Chemie, 2019, 131, 14808-14814.	2.0	9
42	Theoretical investigation on copper hydrides catalyzed hydrosilylation reaction of 3-methylcyclohex-2-enone: mechanism and ligands' effect. Catalysis Science and Technology, 2012, 2, 564-569.	4.1	8
43	A Theoretical Investigation on the Strecker Reaction Catalyzed by a Ti^{IV}â€Complex Catalyst Generated from a Cinchona Alkaloid, Achiral Substituted 2,2â€²â€Biphenol, and Tetraisopropyl Titanate. Chemistry - A European Journal, 2013, 19, 1637-1646.	3.3	8
44	Theoretical study on the mechanism and selectivity of asymmetric cycloaddition reactions of 3-vinylindole catalyzed by chiral N,N'-dioxide-Ni(II) complex. Catalysis Today, 2017, 298, 130-137.	4.4	8
45	Asymmetric Catalytic Formal 1,4â€Allylation of Î²,Î³â€Unsaturated Î±â€Ketoesters: Allylboration/Oxyâ€Cope Rearrangement. Angewandte Chemie, 2019, 131, 11972-11977.	2.0	8
46	Trienamine catalysis for asymmetric Dielsâ€“Alder reactions of 2,4-dienones: a theoretical investigation. Organic and Biomolecular Chemistry, 2015, 13, 6313-6324.	2.8	7
47	Theoretical and experimental studies on the structureâ€“property relationship of chiral N,Nâ€²-dioxideâ€“metal catalysts probed by the carbonylâ€“ene reaction of isatin. Catalysis Science and Technology, 2017, 7, 2183-2193.	4.1	7
48	Mechanism and Selectivity of Cyclopropanation of 3-Alkenyl-oxindoles with Sulfoxonium Ylides Catalyzed by a Chiral N,Nâ€²-Dioxideâ€“Mg(II) Complex. Journal of Organic Chemistry, 2021, 86, 11683-11697.	3.2	7
49	Theoretical Study on Heteroâ€Dielsâ€“Alder Reaction of Butadiene with Benzaldehyde Catalyzed by Chiral In^{III} Complexes. European Journal of Organic Chemistry, 2010, 2010, 3867-3875.	2.4	6
50	Water enables diastereodivergency in bispidine-based chiral amine-catalyzed asymmetric Mannich reaction of cyclic N-sulfonyl ketimines with ketones. Chemical Science, 2022, 13, 4313-4320.	7.4	6
51	Theoretical study on the mechanism of Pd(OAc)2 catalyzed dehydrogenative cross-coupling of two heteroarenes. RSC Advances, 2013, 3, 20772.	3.6	5
52	Tunable reactivity of geminal bis(silyl) enol derivatives leading to selective exo-IEDDA or Sakurai allylation with a Î²,Î³-unsaturated ketoester. Chemical Communications, 2016, 52, 10137-10140.	4.1	5
53	Theoretical investigation on donorâ€“acceptor interaction between a carbonyl compound and an N,Nâ€²-dioxideâ€“Sc(<scp>iii</scp>) complex. RSC Advances, 2017, 7, 56054-56061.	3.6	5
54	Theoretical Study on Asymmetric [2 + 2] Cycloaddition of an Alkynone with a Cyclic Enol Silyl Ether Catalyzed by a Chiral N,Nâ€²-Dioxide-Zn(II) Complex. Organometallics, 2019, 38, 3111-3123.	2.3	5

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55	Asymmetric retro-[1,4]-Brook rearrangement of 3-silyl allyloxysilanes via chirality transfer from silicon to carbon. RSC Advances, 2019, 9, 26209-26213.	3.6	4
56	Enantioselective Synthesis of Atropisomeric Biaryl Phosphorus Compounds by Chiralâ€Phosphoniumâ€Saltâ€Enabled Cascade Arene Formation. Angewandte Chemie, 2022, 134, .	2.0	4
57	Mechanism study on asymmetric Michael addition reaction between alkynone and Î±-angelica lactone catalyzed by chiral N, N'-dioxide-Sc(III) complex. Catalysis Today, 2020, 355, 635-644.	4.4	3
58	Waterâ€Involved Ringâ€Opening of 4â€Phenylâ€1,2,4â€triazolineâ€3,5â€dione for â€œPhotoâ€Clickedâ€Access to Carbamoyl Formazan Photoswitches In Situ. Chemistry - an Asian Journal, 2022, 17, e202101239.	3.3	3
59	Asymmetric Cyanation of Activated Olefins with Ethyl Cyanoformate Catalyzed by Ti(IV)-Catalyst: A Theoretical Study. Catalysts, 2020, 10, 1079.	3.5	2
60	Selectivity control in inverse electron demand Dielsâ€“Alder reaction of o-Quinone methides catalyzed by chiral N,Nâ€²-Dioxideâ€“Sc(III) complex. Molecular Catalysis, 2020, 498, 111242.	2.0	2
61	Remarkable enantioselectivity enhancement of the extractors with nonaxial chirality in liquidâ€“liquid extraction of underivatized amino acids by introducing t â€butyl group. Chirality, 2022, , .	2.6	2
62	Origin of enantioselectivity and product-distribution control in isocyanide-based multicomponent reaction catalysed by chiral N, N'-dioxide-Mg(II) complex. Molecular Catalysis, 2022, 524, 112277.	2.0	2
63	Theoretical Investigation on Direct Vinylogous Aldol Reaction of Isatin Catalyzed by Chiral- N , N' -dioxide Sc(III) Complex. Molecular Catalysis, 2018, 453, 22-30.	2.0	1
64	Enantioselective Liquidâ€“Liquid Extraction of Underivatized Amino Acids with Simple Chiral Aminophenylâ€Aldehyde. Bulletin of the Korean Chemical Society, 2018, 39, 960-964.	1.9	1
65	Guanidineâ€“Amide-Catalyzed Aza-Henry Reaction of Isatin-Derived Ketimines: Origin of Selectivity and New Catalyst Design. Molecules, 2021, 26, 1965.	3.8	1
66	Asymmetric [2Â+Â2] cycloaddition of isatin with ketene catalyzed by N, N'-dioxide-Sc(III) complex: Mechanism and selectivity. Molecular Catalysis, 2021, 510, 111657.	2.0	0