

Zhishan Su

List of Publications by Year in descending order

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66
papers

1,354
citations

361413

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377865

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all docs

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docs citations

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times ranked

1318
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#	ARTICLE	IF	CITATIONS
1	Organocatalytic Stereoselective [8+2] Cycloaddition of Tropones with Azlactones. <i>CCS Chemistry</i> , 2022, 4, 650-659.	7.8	16
2	Water-Involved Ring-Opening of 4-Phenyl-1,2,4-triazoline-3,5-dione for Photo-Clicked Access to Carbamoyl Formazan Photoswitches In Situ. <i>Chemistry - an Asian Journal</i> , 2022, 17, e202101239.	3.3	3
3	Low temperature catalytic hydrodeoxygenation of lignin-derived phenols to cyclohexanols over the Ru/SBA-15 catalyst. <i>RSC Advances</i> , 2022, 12, 9352-9362.	3.6	10
4	Water enables diastereodivergency in bispidine-based chiral amine-catalyzed asymmetric Mannich reaction of cyclic <i>N</i> -sulfonyl ketimines with ketones. <i>Chemical Science</i> , 2022, 13, 4313-4320.	7.4	6
5	Total Synthesis of (+)-Hinckdentine A: Harnessing Noncovalent Interactions for Organocatalytic Bromination. <i>Jacs Au</i> , 2022, 2, 793-800.	7.9	14
6	Remarkable enantioselectivity enhancement of the extractors with nonaxial chirality in liquid-liquid extraction of underivatized amino acids by introducing <i>t</i> -butyl group. <i>Chirality</i> , 2022, .	2.6	2
7	Ring Expansion of Silacyclobutanes with Allenates to Selectively Construct 2- or 3-(<i>E</i>)-Enoate-Substituted Silacyclohexenes. <i>ACS Catalysis</i> , 2022, 12, 5185-5196.	11.2	26
8	Origin of enantioselectivity and product-distribution control in isocyanide-based multicomponent reaction catalysed by chiral N, N'-dioxide-Mg(II) complex. <i>Molecular Catalysis</i> , 2022, 524, 112277.	2.0	2
9	Asymmetric Catalytic <i>±</i> -Selective Allylation of Ketones with Allyltrifluoroborates Using Dual-Functional Chiral <i>ln</i> ^{III} <i>N</i> -Dioxide Complex. <i>Chinese Journal of Chemistry</i> , 2022, 40, 1793-1798.	4.9	11
10	Enantioselective Synthesis of Atropisomeric Biaryl Phosphorus Compounds by Chiral Phosphonium Salt-Enabled Cascade Arene Formation. <i>Angewandte Chemie</i> , 2022, 134, .	2.0	4
11	Enantioselective Synthesis of Atropisomeric Biaryl Phosphorus Compounds by Chiral Phosphonium Salt-Enabled Cascade Arene Formation. <i>Angewandte Chemie - International Edition</i> , 2022, 61, .	13.8	15
12	Catalytic asymmetric synthesis of spirocyclobutyl oxindoles and beyond <i>via</i> [2+2] cycloaddition and sequential transformations. <i>Chemical Science</i> , 2021, 12, 9991-9997.	7.4	22
13	Catalytic enantioselective synthesis of macrodiolides and their application in chiral recognition. <i>Chemical Science</i> , 2021, 12, 2940-2947.	7.4	12
14	Guanidine-Amide-Catalyzed Aza-Henry Reaction of Isatin-Derived Ketimines: Origin of Selectivity and New Catalyst Design. <i>Molecules</i> , 2021, 26, 1965.	3.8	1
15	Asymmetric [2+2] cycloaddition of isatin with ketene catalyzed by N, N'-dioxide-Sc(III) complex: Mechanism and selectivity. <i>Molecular Catalysis</i> , 2021, 510, 111657.	2.0	0
16	Regio- and Stereoselective Cascade of \hat{I}^2, \hat{I}^3 -Unsaturated Ketones by Dipeptided Phosphonium Salt Catalysis: Stereospecific Construction of Dihydrofuro-Fused [2,3- <i>b</i>] Skeletons. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 19860-19870.	13.8	33
17	Regio- and Stereoselective Cascade of \hat{I}^2, \hat{I}^3 -Unsaturated Ketones by Dipeptided Phosphonium Salt Catalysis: Stereospecific Construction of Dihydrofuro-Fused [2,3- <i>b</i>] Skeletons. <i>Angewandte Chemie</i> , 2021, 133, 20013-20023.	2.0	12
18	Mechanism and Selectivity of Cyclopropanation of 3-Alkenyl-oxindoles with Sulfoxonium Ylides Catalyzed by a Chiral <i>N</i> -Dioxide-Mg(II) Complex. <i>Journal of Organic Chemistry</i> , 2021, 86, 11683-11697.	3.2	7

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19	Diastereo- and Enantioselective Synthesis of 3-Allyl-3-hydroxyoxindoles via Allylation of Isatins. <i>Organic Letters</i> , 2021, 23, 8419-8423.	4.6	13
20	Construction of sterically congested oxindole derivatives via visible-light-induced radical-coupling. <i>Chemical Science</i> , 2021, 12, 15399-15406.	7.4	26
21	Mechanism study on asymmetric Michael addition reaction between alkynone and β -angelica lactone catalyzed by chiral N, N'-dioxide-Sc(III) complex. <i>Catalysis Today</i> , 2020, 355, 635-644.	4.4	3
22	Tuneable functionalities in layered double hydroxide catalysts for thermochemical conversion of biomass-derived glucose to fructose. <i>Chemical Engineering Journal</i> , 2020, 383, 122914.	12.7	28
23	Influence of green solvent on levulinic acid production from lignocellulosic paper waste. <i>Bioresource Technology</i> , 2020, 298, 122544.	9.6	66
24	Asymmetric Cyanation of Activated Olefins with Ethyl Cyanofornate Catalyzed by Ti(IV)-Catalyst: A Theoretical Study. <i>Catalysts</i> , 2020, 10, 1079.	3.5	2
25	Electrochemical Iodoamination of Indoles Using Unactivated Amines. <i>Organic Letters</i> , 2020, 22, 9184-9189.	4.6	15
26	Efficient Depolymerization of Cellulosic Paper Towel Waste Using Organic Carbonate Solvents. <i>ACS Sustainable Chemistry and Engineering</i> , 2020, 8, 13100-13110.	6.7	18
27	Selectivity control in inverse electron demand Diels-Alder reaction of o-Quinone methides catalyzed by chiral N,N'-Dioxide-Sc(III) complex. <i>Molecular Catalysis</i> , 2020, 498, 111242.	2.0	2
28	Diversified Transformations of Tetrahydroindolizines to Construct Chiral 3-Arylindolizines and Dicarbofunctionalized 1,5-Diketones. <i>Journal of the American Chemical Society</i> , 2020, 142, 15975-15985.	13.7	58
29	Multimodal Imaging Iridium(III) Complex for Hypochlorous Acid in Living Systems. <i>Analytical Chemistry</i> , 2020, 92, 8285-8291.	6.5	32
30	Rhodium-Catalyzed Transarylation of Benzamides: C-C Bond vs C-N Bond Activation. <i>ACS Catalysis</i> , 2020, 10, 3398-3403.	11.2	27
31	Theoretical Study on Asymmetric [2 + 2] Cycloaddition of an Alkynone with a Cyclic Enol Silyl Ether Catalyzed by a Chiral N,N'-Dioxide-Zn(II) Complex. <i>Organometallics</i> , 2019, 38, 3111-3123.	2.3	5
32	Light-Driven Intramolecular C-N Cross-Coupling via a Long-Lived Photoactive Photoisomer Complex. <i>Angewandte Chemie</i> , 2019, 131, 14808-14814.	2.0	9
33	Light-Driven Intramolecular C-N Cross-Coupling via a Long-Lived Photoactive Photoisomer Complex. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 14666-14672.	13.8	45
34	Asymmetric Catalytic Formal 1,4-Allylation of β -Unsaturated α -Ketoesters: Allylboration/Oxy-Cope Rearrangement. <i>Angewandte Chemie</i> , 2019, 131, 11972-11977.	2.0	8
35	Cooperative Catalysis of Chiral Guanidine and Rh ₂ (OAc) ₄ in Asymmetric O-H Insertion of Carboxylic Acid: A Theoretical Investigation. <i>Journal of Organic Chemistry</i> , 2019, 84, 15020-15031.	3.2	11
36	Asymmetric retro-[1,4]-Brook rearrangement of 3-silyl allyloxysilanes via chirality transfer from silicon to carbon. <i>RSC Advances</i> , 2019, 9, 26209-26213.	3.6	4

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37	Bimetallic Catalytic Asymmetric Tandem Reaction of \hat{I}^2 -Alkynyl Ketones to Synthesize 6,6- \hat{S} piroketal. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 4017-4021.	13.8	69
38	Asymmetric Catalytic Formal 1,4-Allylation of \hat{I}^2, \hat{I}^3 -Unsaturated \hat{I}^\pm -Ketoesters: Allylboration/Oxy-Cope Rearrangement. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 11846-11851.	13.8	30
39	Asymmetric Baeyer-Villiger oxidation: classical and parallel kinetic resolution of 3-substituted cyclohexanones and desymmetrization of <i>meso</i> -disubstituted cycloketones. <i>Chemical Science</i> , 2019, 10, 7003-7008.	7.4	16
40	<i>exo/endo</i> Selectivity Control in Diels-Alder Reactions of Geminal Bis(silyl) Dienes: Theoretical and Experimental Studies. <i>Journal of Organic Chemistry</i> , 2019, 84, 3940-3952.	3.2	12
41	Intramolecular Reductive Cyclization of <i>o</i> -Nitroarenes via Biradical Recombination. <i>Organic Letters</i> , 2019, 21, 1438-1443.	4.6	39
42	Organic Acid-Regulated Lewis Acidity for Selective Catalytic Hydroxymethylfurfural Production from Rice Waste: An Experimental-Computational Study. <i>ACS Sustainable Chemistry and Engineering</i> , 2019, 7, 1437-1446.	6.7	28
43	Theoretical Investigation on Direct Vinylogous Aldol Reaction of Isatin Catalyzed by Chiral- N, N' -dioxide Sc(III) Complex. <i>Molecular Catalysis</i> , 2018, 453, 22-30.	2.0	1
44	Mechanism and Origins of Stereinduction in an Asymmetric Friedel-Crafts Alkylation Reaction of Chalcone Catalyzed by Chiral N, N' -Dioxide-Sc(III) Complex. <i>Journal of Organic Chemistry</i> , 2018, 83, 4628-4640.	3.2	10
45	Contrasting Roles of Maleic Acid in Controlling Kinetics and Selectivity of Sn(IV)- and Cr(III)-Catalyzed Hydroxymethylfurfural Synthesis. <i>ACS Sustainable Chemistry and Engineering</i> , 2018, 6, 14264-14274.	6.7	28
46	Effects of \hat{I}^3 -Valerolactone/ H_2O Solvent on the Degradation of <i>pubescens</i> for Its Fulllest Utilization. <i>Journal of Agricultural and Food Chemistry</i> , 2018, 66, 6094-6103.	5.2	22
47	Mechanistic investigations on asymmetric N-H insertion of amines catalyzed by palladium-chiral guanidine complex. <i>Journal of Catalysis</i> , 2018, 364, 426-436.	6.2	11
48	Enantioselective Liquid-Liquid Extraction of Underivatized Amino Acids with Simple Chiral Aminophenyl-Aldehyde. <i>Bulletin of the Korean Chemical Society</i> , 2018, 39, 960-964.	1.9	1
49	Theoretical study on the mechanism and selectivity of asymmetric cycloaddition reactions of 3-vinylindole catalyzed by chiral N, N' -dioxide-Ni(II) complex. <i>Catalysis Today</i> , 2017, 298, 130-137.	4.4	8
50	Theoretical and experimental studies on the structure-property relationship of chiral N, N' -dioxide-metal catalysts probed by the carbonyl-ene reaction of isatin. <i>Catalysis Science and Technology</i> , 2017, 7, 2183-2193.	4.1	7
51	A Simple Two-Step Method for the Selective Conversion of Hemicellulose in <i>Pubescens</i> to Furfural. <i>ACS Sustainable Chemistry and Engineering</i> , 2017, 5, 8137-8147.	6.7	50
52	Theoretical investigation on donor-acceptor interaction between a carbonyl compound and an N, N' -dioxide-Sc(σ) complex. <i>RSC Advances</i> , 2017, 7, 56054-56061.	3.6	5
53	Tunable reactivity of geminal bis(silyl) enol derivatives leading to selective <i>exo</i> -IEDDA or Sakurai allylation with a \hat{I}^2, \hat{I}^3 -unsaturated ketoester. <i>Chemical Communications</i> , 2016, 52, 10137-10140.	4.1	5
54	Mechanistic Study of the Asymmetric Carbonyl-Ene Reaction between Alkyl Enol Ethers and Isatin Catalyzed by the N, N' -Dioxide-Mg(OTf) ₂ Complex. <i>Journal of Organic Chemistry</i> , 2016, 81, 6444-6456.	3.2	20

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55	Unique Steric Effect of Geminal Bis(silane) To Control the High <i>Exo</i> -selectivity in Intermolecular Diels-Alder Reaction. <i>Journal of the American Chemical Society</i> , 2016, 138, 1877-1883.	13.7	68
56	Theoretical Studies on the Asymmetric Baeyer-Villiger Oxidation Reaction of 4-Phenylcyclohexanone with <i>m</i> -Chloroperoxybenzoic Acid Catalyzed by Chiral Scandium(III)-Dioxide Complexes. <i>Chemistry - A European Journal</i> , 2015, 21, 7264-7277.	3.3	16
57	Trienamine catalysis for asymmetric Diels-Alder reactions of 2,4-dienones: a theoretical investigation. <i>Organic and Biomolecular Chemistry</i> , 2015, 13, 6313-6324.	2.8	7
58	Highly Enantioselective Extraction of Underivatized Amino Acids by the Uryl-Pendant Hydroxyphenyl-Binol Ketone. <i>Chemistry - A European Journal</i> , 2014, 20, 2895-2900.	3.3	14
59	A Theoretical Investigation on the Strecker Reaction Catalyzed by a Ti ^{IV} -Complex Catalyst Generated from a Cinchona Alkaloid, Achiral Substituted 2,2'-Biphenol, and Tetraisopropyl Titanate. <i>Chemistry - A European Journal</i> , 2013, 19, 1637-1646.	3.3	8
60	Enantioselective Liquid-Liquid Extractions of Underivatized General Amino Acids with a Chiral Ketone Extractant. <i>Journal of the American Chemical Society</i> , 2013, 135, 2653-2658.	13.7	57
61	Theoretical study on the mechanism of Pd(OAc) ₂ catalyzed dehydrogenative cross-coupling of two heteroarenes. <i>RSC Advances</i> , 2013, 3, 20772.	3.6	5
62	Theoretical investigation on copper hydrides catalyzed hydrosilylation reaction of 3-methylcyclohex-2-enone: mechanism and ligands' effect. <i>Catalysis Science and Technology</i> , 2012, 2, 564-569.	4.1	8
63	Theoretical Study on Hetero-Diels-Alder Reaction of Butadiene with Benzaldehyde Catalyzed by Chiral Ln ^{III} Complexes. <i>European Journal of Organic Chemistry</i> , 2010, 2010, 3867-3875.	2.4	6
64	Theoretical Investigations on the Mechanism of Hetero-Diels-Alder Reactions of Brassard's Diene and 1,3-Butadiene Catalyzed by a Tridentate Schiff Base Titanium(IV) Complex. <i>Chemistry - A European Journal</i> , 2010, 16, 4359-4367.	3.3	11
65	Highly Efficient Amine Organocatalysts Based on Bispidine for the Asymmetric Michael Addition of Ketones to Nitroolefins. <i>Advanced Synthesis and Catalysis</i> , 2008, 350, 2001-2006.	4.3	62
66	Asymmetric Direct Aldol Reaction of Functionalized Ketones Catalyzed by Amine Organocatalysts Based on Bispidine. <i>Journal of the American Chemical Society</i> , 2008, 130, 5654-5655.	13.7	162