

Xianxing Jiang

List of Publications by Year in descending order

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48
papers

2,523
citations

279798

23
h-index

189892

50
g-index

54
all docs

54
docs citations

54
times ranked

2256
citing authors

#	ARTICLE	IF	CITATIONS
1	Recent Developments in Catalytic Asymmetric Inverse-Electron-Demand Diels-Alder Reaction. <i>Chemical Reviews</i> , 2013, 113, 5515-5546.	47.7	465
2	A Unique Approach to the Concise Synthesis of Highly Optically Active Spirooxazolines and the Discovery of a More Potent Oxindole-Type Phytoalexin Analogue. <i>Journal of the American Chemical Society</i> , 2010, 132, 15328-15333.	13.7	281
3	Highly Enantioselective Synthesis of β -Nitro Heteroaromatic Ketones in a Doubly Stereocontrolled Manner Catalyzed by Bifunctional Thiourea Catalysts Based on Dehydroabiatic Amine: A Doubly Stereocontrolled Approach to Pyrrolidine Carboxylic Acids. <i>Organic Letters</i> , 2009, 11, 153-156.	4.6	118
4	Core Scaffold-Inspired Concise Synthesis of Chiral Spirooxindole-Pyranopyrimidines with Broad-Spectrum Anticancer Potency. <i>Advanced Synthesis and Catalysis</i> , 2012, 354, 917-925.	4.3	104
5	Bifunctional Organocatalytic Strategy for Inverse-Electron-Demand Diels-Alder Reactions: Highly Efficient <i>In Situ</i> Substrate Generation and Activation to Construct Azaspirocyclic Skeletons. <i>Angewandte Chemie - International Edition</i> , 2012, 51, 2084-2087.	13.8	91
6	Enantio- and Diastereoselective Asymmetric Addition of 1,3-Dicarbonyl Compounds to Nitroalkenes in a Doubly Stereocontrolled Manner Catalyzed by Bifunctional Rosin-Derived Amine Thiourea Catalysts. <i>Journal of Organic Chemistry</i> , 2009, 74, 5562-5567.	3.2	90
7	Asymmetric Aza-Mannich Addition of Oxazolones to N-Tosyl Aldimines: Synthesis of Chiral β -Disubstituted β -Diamino Acids. <i>Organic Letters</i> , 2010, 12, 876-879.	4.6	88
8	Catalytic Asymmetric β -Activation of β -Unsaturated γ -Butyrolactams: Direct Approach to β -Functionalized Dihydropyranopyrrolidinones. <i>Angewandte Chemie - International Edition</i> , 2013, 52, 11329-11333.	13.8	81
9	AdipoR1/AdipoR2 dual agonist recovers nonalcoholic steatohepatitis and related fibrosis via endoplasmic reticulum-mitochondria axis. <i>Nature Communications</i> , 2020, 11, 5807.	12.8	67
10	Catalytic Asymmetric [4 + 3] Annulation of <i>N</i> -Cyclic Azomethine Imines with Copper Allenylidenes. <i>Organic Letters</i> , 2018, 20, 6506-6510.	4.6	63
11	Doubly Stereocontrolled Asymmetric Aza-Henry Reaction with <i>in situ</i> Generation of <i>N</i> -Boc Imines Catalyzed by Novel Rosin-Derived Amine Thiourea Catalysts. <i>Advanced Synthesis and Catalysis</i> , 2009, 351, 2096-2100.	4.3	62
12	Direct Organocatalytic Asymmetric Aldol Reaction of β -Isothiocyanato Imides to β -Ketoesters under Low Ligand Loading: A Doubly Stereocontrolled Approach to Cyclic Thiocarbamates Bearing Chiral Quaternary Stereocenters. <i>Organic Letters</i> , 2010, 12, 1544-1547.	4.6	57
13	Asymmetric Inverse-Electron-Demand Hetero-Diels-Alder Reaction for the Construction of Bicyclic Skeletons with Multiple Stereocenters by Using a Bifunctional Organocatalytic Strategy: An Efficient Approach to Chiral Macrolides. <i>Chemistry - A European Journal</i> , 2012, 18, 11465-11473.	3.3	47
14	PPh ₃ -catalyzed synthesis of dicyano-2-methylenebut-3-enoates as efficient dienes in catalytic asymmetric inverse-electron-demand Diels-Alder reaction. <i>Chemical Communications</i> , 2011, 47, 8289.	4.1	46
15	Mg ^{II} -Mediated Catalytic Asymmetric Dearomatization (CADA) Reaction of β -Naphthols with Dialkyl Acetylenedicarboxylates. <i>Chemistry - A European Journal</i> , 2016, 22, 8483-8487.	3.3	40
16	Diastereodivergent construction of bispiro[oxindole-bi-pyrrolidine]s with four consecutive stereocenters via asymmetric [3 + 2] cycloaddition of 2,3-dioxopyrrolidines using identical catalysts. <i>Organic Chemistry Frontiers</i> , 2019, 6, 1989-1995.	4.5	38
17	Highly diastereo- and enantioselective Mannich reaction of lactones with N-Boc-aldimines catalyzed by bifunctional rosin-derived amine thiourea catalysts. <i>Chemical Communications</i> , 2010, 46, 4294.	4.1	37
18	Synthesis of Benzofused <i>N</i> -Heterocycles via Rh(III)-Catalyzed Direct Benzannulation with 1,3-Dienes. <i>ACS Catalysis</i> , 2019, 9, 556-564.	11.2	37

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19	Heterogeneous Bifunctional Catalytic, Chemo-, Regio- and Enantioselective Cascade Inverse Electron Demand Diels-Alder Reaction. <i>Advanced Synthesis and Catalysis</i> , 2013, 355, 308-314.	4.3	30
20	Enantioselective Synthesis of Cyclic Thioureas via Mannich Reaction and Concise Synthesis of Highly Optically Active Methylthioimidazolines: Discovery of a More Potent Antipyretic Agent. <i>Advanced Synthesis and Catalysis</i> , 2011, 353, 1787-1796.	4.3	29
21	Catalytic asymmetric nucleophilic fluorination using BF ₃ ·Et ₂ O as fluorine source and activating reagent. <i>Nature Communications</i> , 2021, 12, 3957.	12.8	27
22	Asymmetric Addition of Terminal Alkynes to N-(Diphenylphosphinoyl)imines Promoted by Stoichiometric Amounts of a Proline-Derived β -Amino Alcohol. <i>European Journal of Organic Chemistry</i> , 2009, 2009, 3790-3794.	2.4	25
23	Diastereoselective Synthesis of Biheterocyclic Tetrahydrothiophene Derivatives via Base-Catalyzed Cascade Michael-Aldol [3 + 2] Annulation of 1,4-Dithiane-2,5-diol with Maleimides. <i>Journal of Organic Chemistry</i> , 2015, 80, 6870-6874.	3.2	24
24	Mg-Catalyzed Desymmetrization Reaction of meso-Aziridines with Hydroxylamines: Synthesis of Novel Chiral 1,2-Diamine Skeletons. <i>Chemistry - A European Journal</i> , 2016, 22, 17141-17144.	3.3	20
25	Metal-free fluoroalkylfluoroalkylselenolation of unactivated alkenes: incorporation of two photoinduced processes. <i>Green Chemistry</i> , 2020, 22, 4878-4883.	9.0	20
26	Highly Enantioselective Synthesis of N-Protected β -Amino Malonates Catalyzed by Magnetically Separable Heterogeneous Rosin-Derived Amino Thiourea Catalysts: A Stereocontrolled Approach to β -Amino Acids. <i>ChemCatChem</i> , 2013, 5, 2187-2190.	3.7	18
27	Highly diastereoselective oxa-[3+3] cyclization with C,N-cyclic azomethine imines via the copper-catalyzed aerobic oxygenated C=C bond of indoles. <i>Chemical Communications</i> , 2018, 54, 2353-2356.	4.1	18
28	Potent effects of amino acid scanned antimicrobial peptide Feleucin-K3 analogs against both multidrug-resistant strains and biofilms of <i>Pseudomonas aeruginosa</i> . <i>Amino Acids</i> , 2018, 50, 1471-1483.	2.7	18
29	Anti-cancer small molecule JP-8g exhibits potent in vivo anti-inflammatory activity. <i>Scientific Reports</i> , 2014, 4, 4372.	3.3	16
30	Organohalogenite-Catalyzed Spiroketalization: Enantioselective Synthesis of Bisbenzannulated Spiroketal Cores. <i>Advanced Synthesis and Catalysis</i> , 2016, 358, 370-374.	4.3	16
31	Trapping of Zwitterionic Intermediates by Isatins and Imines: Synthesis of Benzoxazines Bearing a C4-Quaternary Stereocenter. <i>Organic Letters</i> , 2019, 21, 4014-4018.	4.6	16
32	Phosphine-Catalyzed Enantioselective [4 + 2] Cycloaddition-Semipinacol-Type-Rearrangement Reaction of Morita-Baylis-Hillman Carbonates. <i>Organic Letters</i> , 2018, 20, 4250-4254.	4.6	15
33	Rhodium-Catalyzed Formal C=O Insertion in Carbene/Alkyne Metathesis Reactions: Synthesis of 3-Substituted 3-H-Indol-3-ols. <i>Organic Letters</i> , 2019, 21, 4322-4326.	4.6	13
34	RAP-8 ameliorates liver fibrosis by modulating cell cycle and oxidative stress. <i>Life Sciences</i> , 2019, 229, 200-209.	4.3	13
35	Rapeseed Protein-Derived Antioxidant Peptide RAP Ameliorates Nonalcoholic Steatohepatitis and Related Metabolic Disorders in Mice. <i>Molecular Pharmaceutics</i> , 2019, 16, 371-381.	4.6	13
36	Protein labeling approach to improve lysosomal targeting and efficacy of antibody-drug conjugates. <i>Organic and Biomolecular Chemistry</i> , 2020, 18, 3229-3233.	2.8	13

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37	Photoactivatable Fluorogenic Labeling via Turn-On "Click-Like" Nitroso-Diene Bioorthogonal Reaction. <i>Advanced Science</i> , 2019, 6, 1802039.	11.2	12
38	Development of a Broadly Applicable Cas12a-Linked Beam Unlocking Reaction for Sensitive and Specific Detection of Respiratory Pathogens Including SARS-CoV-2. <i>ACS Chemical Biology</i> , 2021, 16, 491-500.	3.4	12
39	Design of a highly potent GLP-1R and GCGR dual-agonist for recovering hepatic fibrosis. <i>Acta Pharmaceutica Sinica B</i> , 2022, 12, 2443-2461.	12.0	12
40	Organocatalytic asymmetric [3 + 2] annulation of 1,4-dithiane-2,5-diol with azlactones: access to chiral dihydrothiophen-2(3 <i>H</i>)-one derivatives. <i>Organic Chemistry Frontiers</i> , 2018, 5, 2040-2044.	4.5	10
41	Highly efficient regio-selective ring-opening nucleophilic fluorination of aziridines and azetidines: access to β^2 - or β^3 -fluorinated amino acid derivatives. <i>Organic and Biomolecular Chemistry</i> , 2019, 17, 3797-3804.	2.8	10
42	Suzuki Cross-Coupling Reaction with Genetically Encoded Fluorosulfates for Fluorogenic Protein Labeling. <i>Chemistry - A European Journal</i> , 2020, 26, 15938-15943.	3.3	8
43	Site-specific labeling of an anti-MUC1 antibody: probing the effects of conjugation and linker chemistry on the internalization process. <i>RSC Advances</i> , 2019, 9, 1909-1917.	3.6	7
44	Triphenylphosphine-Catalyzed Diastereoselective Addition of Oxazolones to Isatin-Derived Ketimines: Construction of Vicinal N -Substituted Quaternary Stereocenters. <i>Asian Journal of Organic Chemistry</i> , 2019, 8, 492-495.	2.7	7
45	Visible-Light-Driven Redox Neutral Direct $C\alpha$ -H Amination of Glycine Derivatives and Peptides with N -Acylxyphthalimides. <i>Chemistry - A European Journal</i> , 2021, 27, 12540-12544.	3.3	5
46	A CDR-based approach to generate covalent inhibitory antibody for human rhinovirus protease. <i>Bioorganic and Medicinal Chemistry</i> , 2021, 42, 116219.	3.0	5
47	Nucleophilic construction of sulfate bonds: simplified access to polysulfates and polysulfonates. <i>Reaction Chemistry and Engineering</i> , 2019, 4, 2074-2080.	3.7	4
48	Direct β^2 -selectivity of β^1, β^2 -unsaturated β^3 -butyrolactam for asymmetric conjugate additions in an organocatalytic manner. <i>RSC Advances</i> , 2018, 8, 28874-28878.	3.6	3