

Biao Jiang

List of Publications by Year in descending order

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2,782
citations

172457

29
h-index

206112

48
g-index

107
all docs

107
docs citations

107
times ranked

2736
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|--|------|-----------|
| 1 | Highly Enantioselective Alkynylation of α -Keto Ester: An Efficient Method for Constructing a Chiral Tertiary Carbon Center. <i>Organic Letters</i> , 2002, 4, 3451-3453. | 4.6 | 192 |
| 2 | Zn(II)-Mediated Alkynylation~Cyclization of <i>o</i> -Trifluoroacetyl Anilines: A One-Pot Synthesis of 4-Trifluoromethyl-Substituted Quinoline Derivatives. <i>Journal of Organic Chemistry</i> , 2002, 67, 9449-9451. | 3.2 | 163 |
| 3 | Highly Enantioselective Construction of a Chiral Tertiary Carbon Center by Alkynylation of a Cyclic <i>N</i> -Acyl Ketimine: An Efficient Preparation of HIV Therapeutics. <i>Angewandte Chemie - International Edition</i> , 2004, 43, 216-218. | 13.8 | 151 |
| 4 | Highly Enantioselective Construction of Fused Pyrrolidine Systems That Contain a Quaternary Stereocenter: Concise Formal Synthesis of (+)-Conessine. <i>Angewandte Chemie - International Edition</i> , 2004, 43, 2543-2546. | 13.8 | 143 |
| 5 | Highly enantioselective alkynylation of aldehydes catalyzed by a readily available chiral amino alcohol-based ligand. <i>Chemical Communications</i> , 2002, , 1524-1525. | 4.1 | 119 |
| 6 | Selective Aerobic Oxidation of Alcohols to Aldehydes, Carboxylic Acids, and Imines Catalyzed by a Ag-NHC Complex. <i>Organic Letters</i> , 2014, 16, 3428-3431. | 4.6 | 110 |
| 7 | Highly Enantioselective Construction of a Quaternary Carbon Center of Dihydroquinazoline by Asymmetric Mannich Reaction and Chiral Recognition. <i>Advanced Synthesis and Catalysis</i> , 2008, 350, 1360-1366. | 4.3 | 90 |
| 8 | Discovery of SIAIS178 as an Effective BCR-ABL Degradator by Recruiting Von Hippel~Lindau (VHL) E3 Ubiquitin Ligase. <i>Journal of Medicinal Chemistry</i> , 2019, 62, 9281-9298. | 6.4 | 79 |
| 9 | High Diastereoselectivity in Intermolecular Carbonyl Ylide Cycloaddition with Aryl Aldehyde Using Methyl Diazo(trifluoromethyl)acetate. <i>Organic Letters</i> , 2002, 4, 2453-2455. | 4.6 | 75 |
| 10 | Enantioselective Synthesis of Marine Indole Alkaloid Hamacanthin B. <i>Journal of Organic Chemistry</i> , 2002, 67, 1396-1398. | 3.2 | 69 |
| 11 | α -(Trifluoromethyl)ethenyl boronic acid as a useful trifluoromethyl containing building block. Preparation and palladium-catalysed coupling with aryl halides. <i>Tetrahedron Letters</i> , 2001, 42, 4083-4085. | 1.4 | 64 |
| 12 | Successive Copper(I)-Catalyzed Cross-Couplings in One Pot: A Novel and Efficient Starting Point for Synthesis of Carbapenems. <i>Organic Letters</i> , 2008, 10, 2737-2740. | 4.6 | 57 |
| 13 | Effective degradation of EGFR L858R+T790M mutant proteins by CRBN-based PROTACs through both proteasome and autophagy/lysosome degradation systems. <i>European Journal of Medicinal Chemistry</i> , 2021, 218, 113328. | 5.5 | 55 |
| 14 | Development of a Brigatinib degrader (SIAIS117) as a potential treatment for ALK positive cancer resistance. <i>European Journal of Medicinal Chemistry</i> , 2020, 193, 112190. | 5.5 | 50 |
| 15 | Chemoselective Synthesis of Lenalidomide-Based PROTAC Library Using Alkylation Reaction. <i>Organic Letters</i> , 2019, 21, 3838-3841. | 4.6 | 48 |
| 16 | Catalytic Diastereoselective Pauson~Khand Reaction: An Efficient Route to Enantiopure Cyclopenta[c]proline Derivatives. <i>Organic Letters</i> , 2002, 4, 4077-4080. | 4.6 | 45 |
| 17 | [2.2]Paracyclophane-Derived Chiral P,N-Ligands: Design, Synthesis, and Application in Palladium-Catalyzed Asymmetric Allylic Alkylation. <i>Journal of Organic Chemistry</i> , 2008, 73, 7833-7836. | 3.2 | 45 |
| 18 | The convergent synthesis of novel cytotoxic certonardosterol D2 from diosgenin. <i>Tetrahedron</i> , 2008, 64, 469-476. | 1.9 | 44 |

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|----|--|-----|-----------|
| 19 | A Novel Water-Soluble Gossypol Derivative Increases Chemotherapeutic Sensitivity and Promotes Growth Inhibition in Colon Cancer. <i>Journal of Medicinal Chemistry</i> , 2010, 53, 5502-5510. | 6.4 | 40 |
| 20 | The First Highly Enantioselective Alkynylation of Chloral: A Practical and Efficient Pathway to Chiral Trichloromethyl Propargyl Alcohols. <i>Advanced Synthesis and Catalysis</i> , 2004, 346, 669-674. | 4.3 | 37 |
| 21 | Strategies for synthesizing non-bioaccumulable alternatives to PFOA and PFOS. <i>Chinese Chemical Letters</i> , 2015, 26, 491-498. | 9.0 | 36 |
| 22 | The First Proline-Catalyzed Friedlander Annulation: Regioselective Synthesis of 2-Substituted Quinoline Derivatives. <i>European Journal of Organic Chemistry</i> , 2008, 2008, 2693-2696. | 2.4 | 35 |
| 23 | Intramolecular Aza-Piancatelli Rearrangement of Alkyl- or Arylamines Promoted by PPh ₃ /Diethyl Azodicarboxylate. <i>Organic Letters</i> , 2017, 19, 1028-1031. | 4.6 | 35 |
| 24 | Chiral gossypol derivatives: Evaluation of their anticancer activity and molecular modeling. <i>European Journal of Medicinal Chemistry</i> , 2009, 44, 3961-3972. | 5.5 | 34 |
| 25 | A Concise Formal Synthesis of (±)-Hamigeran B. <i>Organic Letters</i> , 2013, 15, 871-873. | 4.6 | 34 |
| 26 | A convenient stereoselective synthesis of trifluoromethyl-substituted polyfunctionalized cyclopropane: synthesis of (±)-trans-trifluoronorcoronamic acid. <i>Chemical Communications</i> , 2003, , 536-537. | 4.1 | 31 |
| 27 | Catalytic Asymmetric Oxidation of Heteroaromatic Sulfides with <i>tert</i> -Butyl Hydroperoxide Catalyzed by a Titanium Complex with a New Chiral 1,2-Diphenylethane-1,2-diol Ligand. <i>European Journal of Organic Chemistry</i> , 2009, 2009, 987-991. | 2.4 | 31 |
| 28 | A Novel and Convenient Protocol for Synthesis of ±-Haloacrylates. <i>Organic Letters</i> , 2008, 10, 593-596. | 4.6 | 30 |
| 29 | Synthesis and surface activity study of branched fluorinated cationic (FCS), gemini (FGS) and amphoteric (FAS) surfactants with CF ₃ CF ₂ CF ₂ C(CF ₃) ₂ group. <i>Journal of Fluorine Chemistry</i> , 2015, 169, 61-65. | 1.7 | 29 |
| 30 | Stereocontrolled Synthesis of the 22E,24 \hat{I} ² (S)-Trifluoromethyl Steroidal Side Chain and Its Application to the Synthesis of Fluorinated Analogues of Naturally Occurring Sterols. <i>Journal of Organic Chemistry</i> , 2000, 65, 6231-6236. | 3.2 | 28 |
| 31 | Preparation of N-phenyl-(S)-prolinol-derived P,N-ligands and their application in Pd-catalyzed asymmetric allylic alkylation. <i>Tetrahedron: Asymmetry</i> , 2006, 17, 942-951. | 1.8 | 26 |
| 32 | Structure-based discovery of SIAIS001 as an oral bioavailability ALK degrader constructed from Alectinib. <i>European Journal of Medicinal Chemistry</i> , 2021, 217, 113335. | 5.5 | 26 |
| 33 | Copper N-Heterocyclic Carbene: A Catalyst for Aerobic Oxidation or Reduction Reactions. <i>Organic Letters</i> , 2015, 17, 5990-5993. | 4.6 | 23 |
| 34 | Discovery of novel BCR-ABL PROTACs based on the cereblon E3 ligase design, synthesis, and biological evaluation. <i>European Journal of Medicinal Chemistry</i> , 2021, 223, 113645. | 5.5 | 23 |
| 35 | Convenient Approaches to 4-Trifluoromethylpyridine. <i>Organic Process Research and Development</i> , 2001, 5, 531-534. | 2.7 | 22 |
| 36 | [2.2]Paracyclophane-Derived Monodentate Phosphoramidite Ligands for Copper-Catalyzed Asymmetric Conjugate Addition of Diethylzinc to Substituted Chalcones. <i>Journal of Organic Chemistry</i> , 2015, 80, 3752-3757. | 3.2 | 21 |

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|----|--|-----|-----------|
| 37 | Stereoselective synthesis of Certonardolsterol D3. <i>Tetrahedron</i> , 2008, 64, 9738-9744. | 1.9 | 18 |
| 38 | N-Heterocyclic carbene-catalyzed aerobic oxidation of aryl alkyl alcohols to carboxylic acids. <i>Tetrahedron</i> , 2015, 71, 4269-4273. | 1.9 | 18 |
| 39 | Synthesis and properties study of novel fluorinated surfactants with perfluorinated branched ether chain. <i>Journal of Fluorine Chemistry</i> , 2019, 219, 62-69. | 1.7 | 18 |
| 40 | The chiral pyrethroid cycloprothrin: Stereoisomer synthesis and separation and stereoselective insecticidal activity. <i>Chirality</i> , 2008, 20, 96-102. | 2.6 | 17 |
| 41 | Diverse reactivity in microwave-promoted catalyst-free coupling of substituted anilines with ethyl trifluoropyruvate and biological evaluation. <i>Organic and Biomolecular Chemistry</i> , 2013, 11, 5621. | 2.8 | 17 |
| 42 | Synthesis and surface activity study of novel branched zwitterionic heterogemini fluorosurfactants with CF ₃ CF ₂ CF ₂ C(CF ₃) ₂ group. <i>Journal of Fluorine Chemistry</i> , 2018, 214, 35-41. | 1.7 | 17 |
| 43 | Studies on Steroidal Plant-Growth Regulators: A New Synthesis of Brassinosteroids. <i>Synthesis</i> , 1989, 1989, 426-427. | 2.3 | 15 |
| 44 | C ₂ -Symmetric bisphosphinites and a bisaminophosphine as new chiral ligands for Pd-catalyzed asymmetric allylic substitution. <i>Tetrahedron: Asymmetry</i> , 2000, 11, 3123-3130. | 1.8 | 15 |
| 45 | Proline potassium salt: a superior catalyst to synthesize 4-trifluoromethyl quinoline derivatives via Friedlander annulation. <i>Tetrahedron</i> , 2013, 69, 7481-7486. | 1.9 | 15 |
| 46 | Nitrogen-doped porous carbon from biomass with superior catalytic performance for acetylene hydrochlorination. <i>RSC Advances</i> , 2020, 10, 14556-14569. | 3.6 | 15 |
| 47 | Enantioselective Synthesis of Slagenins A [±] C. <i>Organic Letters</i> , 2002, 4, 3951-3953. | 4.6 | 14 |
| 48 | Enantioselective Total Syntheses of Slagenins A [±] C and Their Antipodes. <i>Journal of Organic Chemistry</i> , 2003, 68, 2376-2384. | 3.2 | 14 |
| 49 | An expedient route for the practical preparation of optically active (â [±])-gossypol. <i>Tetrahedron: Asymmetry</i> , 2007, 18, 2437-2441. | 1.8 | 14 |
| 50 | Synthesis of 4-allenyl and 4-proparyl-2-azetidinone via Zn-mediated Barbier-type reaction and Pt-catalyzed intramolecular amidation to carbapenem skeletons. <i>Tetrahedron Letters</i> , 2007, 48, 7942-7945. | 1.4 | 14 |
| 51 | Synthesis and Surface Activity Study of a Novel Branched Fluorinated Anion Surfactant with CF ₃ CF ₂ CF ₂ C(CF ₃) ₂ Group. <i>Chinese Journal of Chemistry</i> , 2014, 32, 995-998. | 4.9 | 14 |
| 52 | Catalytic Dehydrochlorination of 1,2-Dichloroethane into Vinyl Chloride over Nitrogen-Doped Activated Carbon. <i>ACS Omega</i> , 2019, 4, 2081-2089. | 3.5 | 14 |
| 53 | Methyl 3,3-difluoro-2-trimethylsilyloxyacrylate: preparation and Mukaiyama-type aldol condensation as a novel route to Î ² ,Î ² -difluoro-Î±-keto ester derivatives. <i>Tetrahedron Letters</i> , 2002, 43, 6819-6821. | 1.4 | 12 |
| 54 | Highly Regioselective Friedelâ€“Crafts Reactions of Electron-Rich Aromatic Compounds with Pyruvate Catalyzed by Lewis Acid-Base: Efficient Synthesis of Pesticide Cycloprothrin. <i>Advanced Synthesis and Catalysis</i> , 2006, 348, 898-904. | 4.3 | 12 |

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|----|---|-----|-----------|
| 55 | Formation of Cyclic Phosphonium Salts in Trichlorosilane Reduction of Phosphine Oxides Bearing a Pendant Hydroxyl Group and Their Hydrolysis to Cyclic Phosphine Oxides. <i>Phosphorus, Sulfur and Silicon and the Related Elements</i> , 2007, 182, 1609-1619. | 1.6 | 12 |
| 56 | Titanium-Mediated Direct Carbon-Carbon Double Bond Formation to α -Trifluoromethyl Acids: A New Contribution to the Knoevenagel Reaction and a High-Yielding and Stereoselective Synthesis of β -Trifluoromethylacrylic Acids. <i>Advanced Synthesis and Catalysis</i> , 2011, 353, 3161-3165. | 4.3 | 12 |
| 57 | Mercury-free nitrogen-doped activated carbon catalyst: an efficient catalyst for the catalytic coupling reaction of acetylene and ethylene dichloride to synthesize the vinyl chloride monomer. <i>Reaction Chemistry and Engineering</i> , 2018, 3, 34-40. | 3.7 | 12 |
| 58 | Synthesis and combined properties of novel fluorinated cationic surfactants derived from hexafluoropropylene dimer. <i>Chinese Chemical Letters</i> , 2018, 29, 1613-1616. | 9.0 | 12 |
| 59 | Preparation and Properties of New Soluble-Conjugated Polymers Containing a Fumaronitrile Unit in the Main Chain. <i>Macromolecular Rapid Communications</i> , 2004, 25, 1429-1432. | 3.9 | 11 |
| 60 | Chiral P,O-ligands derived from N,O-phenylene prolinols for palladium-catalyzed asymmetric allylic alkylation. <i>Tetrahedron Letters</i> , 2007, 48, 1703-1706. | 1.4 | 11 |
| 61 | Studies toward the Total Synthesis of Nagelamide K. <i>Organic Letters</i> , 2012, 14, 2070-2073. | 4.6 | 11 |
| 62 | Co ₂ (CO) ₈ -mediated cycloisomerization of arylene 1,7-enynes. <i>Tetrahedron Letters</i> , 2013, 54, 699-702. | 1.4 | 11 |
| 63 | Design and synthesis of the novel branched fluorinated surfactant intermediates with CF ₃ CF ₂ CF ₂ C(CF ₃) ₂ group. <i>Chinese Chemical Letters</i> , 2019, 30, 566-568. | 9.0 | 11 |
| 64 | Rh-catalyzed asymmetric hydrogenation by using a new family of C ₂ -symmetric bisphosphinites and a bisaminophosphine as ligands. <i>Tetrahedron Letters</i> , 2001, 42, 1761-1763. | 1.4 | 10 |
| 65 | Synthesis and surface properties study of novel fluorine-containing homopolymer and copolymers for coating applications. <i>Applied Surface Science</i> , 2015, 349, 496-502. | 6.1 | 10 |
| 66 | Preparation and Surface Properties Study of Novel Fluorine-Containing Methacrylate Polymers for Coating. <i>Materials</i> , 2018, 11, 2258. | 2.9 | 10 |
| 67 | Understanding Surface Basic Sites of Catalysts: Kinetics and Mechanism of Dehydrochlorination of 1,2-Dichloroethane over N-Doped Carbon Catalysts. <i>Catalysts</i> , 2020, 10, 707. | 3.5 | 10 |
| 68 | An efficient method for the preparation of dialkoxymethanes from dichloromethane with alcohols catalyzed by a Cu-NHC complex. <i>Tetrahedron Letters</i> , 2016, 57, 4036-4038. | 1.4 | 9 |
| 69 | CF ₃ CF ₂ CF ₂ C(CF ₃) ₂ -based fluorinated surfactants with high surface activity. <i>Chemical Papers</i> , 2019, 73, 1499-1508. | 2.2 | 9 |
| 70 | Construction of activated carbon-supported B ₃ N ₃ -doped carbon as metal-free catalyst for dehydrochlorination of 1,2-dichloroethane to produce vinyl chloride. <i>RSC Advances</i> , 2021, 11, 183-191. | 3.6 | 9 |
| 71 | Stereospecific Synthesis of Drospirenone. <i>Chinese Journal of Chemistry</i> , 2013, 31, 15-17. | 4.9 | 8 |
| 72 | Unprecedented high selectivity of n-hexane dehydroaromatization to benzene over metal-free phosphorus-doped activated carbon catalysts. <i>Chemical Communications</i> , 2021, 57, 4166-4169. | 4.1 | 8 |

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| 73 | A Microwave-Assisted Boudouard Reaction: A Highly Effective Reduction of the Greenhouse Gas CO ₂ to Useful CO Feedstock with Semi-Coke. <i>Molecules</i> , 2021, 26, 1507. | 3.8 | 8 |
| 74 | Study on foam extinguishing agents based on hydrocarbon and perfluorinated branched short-chain fluorocarbon surfactants mixed system. <i>Chemical Papers</i> , 2021, 75, 6241. | 2.2 | 8 |
| 75 | <i>S</i> -ethyl ethanethiosulfinate, a derivative of allicin, induces metacaspase-dependent apoptosis through ROS generation in <i>Penicillium chrysogenum</i> . <i>Bioscience Reports</i> , 2019, 39, . | 2.4 | 7 |
| 76 | Structure-Based 3-D-QSAR Analysis of Marine Indole Alkaloids. <i>Bioorganic and Medicinal Chemistry</i> , 2002, 10, 2775-2778. | 3.0 | 6 |
| 77 | One-Pot Synthesis of Aromatic Fused 2,3-Dihydroindanone by Tandem Pauson-Khand/Michael/Henry Reaction. <i>Chinese Journal of Chemistry</i> , 2013, 31, 49-54. | 4.9 | 6 |
| 78 | Experimental Investigation on the Mass Diffusion Behaviors of Calcium Oxide and Carbon in the Solid-State Synthesis of Calcium Carbide by Microwave Heating. <i>Molecules</i> , 2021, 26, 2568. | 3.8 | 6 |
| 79 | Synthesis and Properties Study of Novel Branched Fluorinated Surfactants with CF ₃ CF ₂ CF ₂ C(CF ₃) ₂ Group. <i>Acta Chimica Sinica</i> , 2015, 73, 395. | 1.4 | 6 |
| 80 | Study on aqueous film-forming foam extinguishing agent based on fluorocarbon cationic-hydrocarbon anionic surfactants mixture system. <i>Journal of Surfactants and Detergents</i> , 2022, 25, 205-216. | 2.1 | 6 |
| 81 | Isolation and characterization of related impurities in 24-epibrassinolide. <i>Tetrahedron</i> , 2009, 65, 2097-2101. | 1.9 | 5 |
| 82 | Synthesis of novel oil-soluble fluorinated surfactants via Wittig-Horner reaction. <i>Tetrahedron</i> , 2019, 75, 1652-1657. | 1.9 | 5 |
| 83 | Synthesis and Properties of Highly Photoluminescent and Electrochemically Active Polymers Containing 2-Pyrazoline Units in the Main Chain. <i>Macromolecular Rapid Communications</i> , 2004, 25, 1856-1859. | 3.9 | 4 |
| 84 | Inhibition of mitochondrial complex III induces differentiation in acute myeloid leukemia. <i>Biochemical and Biophysical Research Communications</i> , 2021, 547, 162-168. | 2.1 | 4 |
| 85 | Study on foam extinguishing agent based on mixed system of branched short-chain fluorocarbon anionic and hydrocarbon cationic surfactants. <i>Journal of Dispersion Science and Technology</i> , 2023, 44, 618-629. | 2.4 | 4 |
| 86 | Addition of Amines to the Triple Bond in \pm -Trichloromethylpropargyl Mesylate: Synthesis of \pm -Dichloromethylenaminones and Preparation of 2-Phenyl-4-dichloromethylquinolines. <i>Journal of Organic Chemistry</i> , 2005, 70, 1494-1496. | 3.2 | 3 |
| 87 | Asymmetric 1,3-dipolar cycloaddition of nitrile oxides with optically active vinylboronic ester. <i>Chinese Journal of Chemistry</i> , 1999, 17, 293-299. | 4.9 | 3 |
| 88 | Combined Theoretical and Experimental Study on High Diastereoselective Chirality Transfer Based on [2.2]Paracyclophane Derivative Chiral Reagent. <i>Journal of Organic Chemistry</i> , 2012, 77, 1701-1709. | 3.2 | 3 |
| 89 | One-Pot Catalytic Epoxidation Reaction of Perfluoro-2-methyl-2-pentene with Tri- <i>n</i> -butylamine N-Oxide or N, N-Dimethylcyclohexylamine N-Oxide. <i>Advanced Materials Research</i> , 2013, 685, 357-361. | 0.3 | 3 |
| 90 | Conformational isomerization of N-(naphthalen-1-yl)-N-(phenyl(quinolin-3-yl)methyl)amide derivatives. <i>Science in China Series B: Chemistry</i> , 2009, 52, 2051-2054. | 0.8 | 2 |

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|----|---|-----|-----------|
| 91 | Co ²⁺ (CO) ⁸ -mediated Selective Reductions of Propargyl Alcohol Derivatives to Alkenes. Chinese Journal of Chemistry, 2014, 32, 999-1002. | 4.9 | 2 |
| 92 | A Facile Synthetic Method for the Preparation of <i>s</i> -Symmetric (1, 2:4, 5)-Diepoxypentane Equivalent. Chinese Journal of Chemistry, 2003, 21, 789-792. | 4.9 | 1 |
| 93 | Highly Enantioselective Construction of a Chiral Tertiary Carbon Center by Alkynylation of a Cyclic N-Acyl Ketimine: An Efficient Preparation of HIV Therapeutics.. ChemInform, 2004, 35, no. | 0.0 | 0 |
| 94 | Blue-violet organic electroluminescent devices based on exciton-confined structure. Journal of Shanghai University, 2005, 9, 172-175. | 0.1 | 0 |
| 95 | Methyl 3,3-Difluoro-2-trimethylsilyloxyacrylate: Preparation and Mukaiyama-Type Aldol Condensation as a Novel Route to 1,1-Difluoro-1-keto Ester Derivatives.. ChemInform, 2002, 33, 85-85. | 0.0 | 0 |