# Jian Wang

## List of Publications by Year in descending order



| | | | |
|---|---|---|---|
| 83 papers | 3,367 citations | 136940 32 h-index | 155644 55 g-index |
| 84 all docs | 84 docs citations | 84 times ranked | 2126 citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | Organocatalytic Enamideâ€“Azide Cycloaddition Reactions: Regiospecific Synthesis of 1,4,5â€Trisubstitutedâ€1,2,3â€Triazoles. Chemistry - A European Journal, 2011, 17, 3584-3587. | 3.3 | 219 |
| 2 | Amineâ€Catalyzed [3+2] Huisgen Cycloaddition Strategy for the Efficient Assembly of Highly Substituted 1,2,3â€Triazoles. Chemistry - A European Journal, 2012, 18, 6088-6093. | 3.3 | 152 |
| 3 | Rhodium-Catalyzed Atroposelective Oxidative Câ€“H/Câ€“H Cross-Coupling Reaction of 1-Aryl Isoquinoline Derivatives with Electron-Rich Heteroarenes. Journal of the American Chemical Society, 2020, 142, 15678-15685. | 13.7 | 126 |
| 4 | Palladiumâ€Catalyzed Oxidative Cycloaddition through Cï£¿H/Nï£¿H Activation: Access to Benzazepines. Angewandte Chemie - International Edition, 2013, 52, 1768-1772. | 13.8 | 121 |
| 5 | Nâ€Heterocyclic Carbene Catalyzed Dynamic Kinetic Resolution of Pyranones. Angewandte Chemie - International Edition, 2016, 55, 1820-1824. | 13.8 | 117 |
| 6 | Organocatalytic 1,3-dipolar cycloaddition reactions of ketones and azides with water as a solvent. Green Chemistry, 2013, 15, 2384. | 9.0 | 111 |
| 7 | Intermolecular Dynamic Kinetic Resolution Cooperatively Catalyzed by an Nâ€Heterocyclic Carbene and a Lewis Acid. Angewandte Chemie - International Edition, 2015, 54, 1629-1633. | 13.8 | 109 |
| 8 | Lewis Base Catalyzed Aerobic Oxidative Intermolecular Azideâ€“Zwitterion Cycloaddition. Angewandte Chemie - International Edition, 2014, 53, 14186-14190. | 13.8 | 106 |
| 9 | Enantioselective [3+3] atroposelective annulation catalyzed by N-heterocyclic carbenes. Nature Communications, 2018, 9, 611. | 12.8 | 105 |
| 10 | Direct access to triazole-olefins through catalytic cycloaddition of azides to unsaturated aldehydes. Chemical Communications, 2013, 49, 10187. | 4.1 | 99 |
| 11 | Direct access to 1,2,3-triazoles through organocatalytic 1,3-dipolar cycloaddition reaction of allyl ketones with azides. Green Chemistry, 2014, 16, 3003-3006. | 9.0 | 93 |
| 12 | Atropoenantioselective Redoxâ€Neutral Amination of Biaryl Compounds through Borrowing Hydrogen and Dynamic Kinetic Resolution. Angewandte Chemie - International Edition, 2018, 57, 465-469. | 13.8 | 92 |
| 13 | NHC-catalyzed atropoenantioselective synthesis of axially chiral biaryl amino alcohols via a cooperative strategy. Nature Communications, 2019, 10, 3062. | 12.8 | 92 |
| 14 | NHC-Catalyzed Radical Trifluoromethylation Enabled by Togni Reagent. Organic Letters, 2020, 22, 443-447. | 4.6 | 89 |
| 15 | Recent Progress toward the Construction of Axially Chiral Molecules Catalyzed by an N-heterocyclic Carbene. ACS Catalysis, 2021, 11, 12520-12531. | 11.2 | 88 |
| 16 | N-Heterocyclic Carbene-Catalyzed Convenient Benzonitrile Assembly. Organic Letters, 2016, 18, 2212-2215. | 4.6 | 75 |
| 17 | Enantioselective Intermolecular Enamideâ€“Aldehyde Cross-Coupling Catalyzed by Chiral N-Heterocyclic Carbenes. Journal of the American Chemical Society, 2016, 138, 4706-4709. | 13.7 | 64 |
| 18 | Organocatalytic 1,3-dipolar cycloaddition reaction of Î±,Î²-unsaturated ketones with azides through iminium catalysis. Green Chemistry, 2015, 17, 781-784. | 9.0 | 61 |

| # | Article | IF | Citations |
|---|---|---|---|
| 19 | Asymmetric Synthesis of Tetrahydroquinolines through a [3+2] Cycloaddition Controlled by Dienamine Catalysis. Chemistry - A European Journal, 2014, 20, 6592-6596. | 3.3 | 55 |
| 20 | Oxidative Enantioselective Î±â€Fluorination of Aliphatic Aldehydes Enabled by Nâ€Heterocyclic Carbene Catalysis. Angewandte Chemie - International Edition, 2015, 54, 656-659. | 13.8 | 53 |
| 21 | Direct Access to Highly Substituted 1â€Naphthols through Palladiumâ€Catalyzed Oxidative Annulation of Benzoylacetates and Internal Alkynes. Chemistry - A European Journal, 2013, 19, 13322-13327. | 3.3 | 52 |
| 22 | 4â€Dimethylaminopyridineâ€Mediated [3+3] Cycloaddition of Azaâ€oxyallyl Cations and Nitrones. Advanced Synthesis and Catalysis, 2017, 359, 3837-3842. | 4.3 | 52 |
| 23 | Palladiumâ€Catalyzed Oxidative Annulation via Cï£¿H/Nï£¿H Functionalization: Access to Substituted Pyrroles. Advanced Synthesis and Catalysis, 2013, 355, 2550-2557. | 4.3 | 49 |
| 24 | Enantioselective N-Heterocyclic Carbene-Catalyzed Kinetic Resolution of Anilides. Organic Letters, 2018, 20, 5866-5871. | 4.6 | 49 |
| 25 | Recent advances in N-heterocyclic carbene catalyzed achiral synthesis. Organic and Biomolecular Chemistry, 2017, 15, 4731-4749. | 2.8 | 47 |
| 26 | [3 + 2] Cycloaddition of aza-oxyallyl cations with aldehydes. Organic Chemistry Frontiers, 2017, 4, 91-94. | 4.5 | 46 |
| 27 | Chemoselective N-Heterocyclic Carbene-Catalyzed Cascade of Enals with Nitroalkenes. Organic Letters, 2015, 17, 3588-3591. | 4.6 | 45 |
| 28 | Catalytic Enantioselective Azaâ€Benzoin Reactions of Aldehydes with 2Hâ€Azirines. Angewandte Chemie - International Edition, 2018, 57, 3767-3771. | 13.8 | 45 |
| 29 | Enantioselective Medium-Ring Lactone Synthesis through an NHC-Catalyzed Intramolecular Desymmetrization of Prochiral 1,3-Diols. ACS Catalysis, 2017, 7, 7647-7652. | 11.2 | 43 |
| 30 | N-Heterocyclic carbene-catalyzed annulation of ynals with amidines: access to 1,2,6-trisubstituted pyrimidin-4-ones. Chemical Communications, 2018, 54, 4597-4600. | 4.1 | 35 |
| 31 | Atropoenantioselective Redoxâ€Neutral Amination of Biaryl Compounds through Borrowing Hydrogen and Dynamic Kinetic Resolution. Angewandte Chemie, 2018, 130, 474-478. | 2.0 | 33 |
| 32 | Enantioselective NHC-Catalyzed [3+3] Annulation of Î±-Bromoenals with 2-Aminobenzimidazoles. Organic Letters, 2020, 22, 391-394. | 4.6 | 33 |
| 33 | Visible-Light-Driven Bisfunctionalization of Unactivated Olefins via the Merger of Proton-Coupled Electron Transfer and Carbene Catalysis. Organic Letters, 2022, 24, 279-283. | 4.6 | 33 |
| 34 | Î±-Fluoroallenoate Synthesis via N-Heterocyclic Carbene-Catalyzed Fluorination Reaction of Alkynals. Organic Letters, 2016, 18, 576-579. | 4.6 | 31 |
| 35 | Nâ€Heterocyclic Carbeneâ€Catalyzed Enantioselective Î²â€Amination of Î±â€Bromoenals Enabled by a Protonâ€Shuttling Strategy. European Journal of Organic Chemistry, 2018, 2018, 2958-2962. | 2.4 | 31 |
| 36 | Palladium-catalyzed cascade reactions of coumarins with alkynes: synthesis of highly substituted cyclopentadiene fused chromones. Chemical Communications, 2011, 47, 5422-5424. | 4.1 | 30 |

| # | Article | IF | Citations |
|---|---|---|---|
| 37 | A tandem dearomatization/rearomatization strategy: enantioselective N-heterocyclic carbene-catalyzed Î±-arylation. Chemical Science, 2019, 10, 2501-2506. | 7.4 | 30 |
| 38 | Rhodium-Catalyzed Regiodivergent [3 + 2] and [5 + 2] Cycloadditions of Quinolinium Ylides with Alkynes. Organic Letters, 2019, 21, 5167-5171. | 4.6 | 29 |
| 39 | Palladiumâ€Catalyzed [2+2+1] Oxidative Annulation of 4â€Hydroxycoumarins with Unactivated Internal Alkynes: Access to Spiro Cyclopentadieneâ€Chromanâ€2,4â€dione Complexes. Advanced Synthesis and Catalysis, 2014, 356, 319-324. | 4.3 | 26 |
| 40 | Photoredox-Catalyzed Cross-Coupling of Enamides for the Assembly of Î²-Difluoroimine Synthons. Organic Letters, 2017, 19, 5653-5656. | 4.6 | 24 |
| 41 | Carbene-Catalyzed [4 + 2] Annulation of 2H-Azirine-2-carboxaldehydes with Ketones via Azolium Aza-Dienolate Intermediate. Organic Letters, 2018, 20, 7641-7644. | 4.6 | 24 |
| 42 | Ruthenium-Catalyzed Atropoenantioselective Synthesis of Axial Biaryls via Reductive Amination and Dynamic Kinetic Resolution. Organic Letters, 2018, 20, 6284-6288. | 4.6 | 23 |
| 43 | Acyldifluoromethylation Enabled by NHC-Photoredox Cocatalysis. Organic Letters, 2022, 24, 3721-3725. | 4.6 | 23 |
| 44 | Copper-Catalyzed Tandem Cross-Coupling/[2 + 2] Cycloaddition of 1,6-Allenynes with Diazo Compounds to 3-Azabicyclo[5.2.0] Ring Systems. Organic Letters, 2019, 21, 9559-9563. | 4.6 | 22 |
| 45 | NHC-Catalyzed Enantioselective [3 + 3] Annulation to Construct 5,6-Dihydropyrimidin-4-ones. Organic Letters, 2020, 22, 7635-7639. | 4.6 | 22 |
| 46 | Rh(III)-Catalyzed Relay Double Carbenoid Insertion and Diannulation of Sulfoximine Benzamides with Î±-Diazo Carbonyl Compounds: Access to Furo[2,3-c]isochromenes. Organic Letters, 2020, 22, 2506-2511. | 4.6 | 22 |
| 47 | Atroposelective Dynamic Kinetic Resolution via In Situ Hemiaminals Catalyzed by N-Heterocyclic Carbene. Organic Letters, 2021, 23, 7765-7770. | 4.6 | 21 |
| 48 | Synthesis of thiazolidin-4-ones via [3+2] cycloaddition of in situ generated aza-oxyallylic cations with isothiocyanates. Tetrahedron Letters, 2017, 58, 4308-4311. | 1.4 | 20 |
| 49 | NHC-Catalyzed Asymmetric Î±-Regioselective [4 + 2] Annulation to Construct Î±-Alkylidene-Î´-lactones. Organic Letters, 2020, 22, 7025-7029. | 4.6 | 20 |
| 50 | Sodium carbonate promoted [3 + 2] annulation of Î±-halohydroxamates and isocyanates. Organic and Biomolecular Chemistry, 2018, 16, 8011-8014. | 2.8 | 18 |
| 51 | Catalytic Intermolecular Cross-Couplings of Azides and LUMO-Activated Unsaturated Acyl Azoliums. ACS Catalysis, 2017, 7, 2139-2144. | 11.2 | 17 |
| 52 | A NHC-catalyzed 1,3-dipolar cycloaddition reaction of allyl ketones with azides: direct access to 1,4,5-trisubstituted 1,2,3-triazoles. Organic and Biomolecular Chemistry, 2017, 15, 4286-4290. | 2.8 | 17 |
| 53 | Organocatalytic Higher-Order [8+2] Cycloaddition for the Assembly of Atropoenantiomeric 3-Arylindolizines. Organic Letters, 2021, 23, 8109-8113. | 4.6 | 17 |
| 54 | Pd-Catalyzed Oxidative Annulation of Aryl Ethers with Alkynes: Synthesis of Functionalized Spirocycles and Naphthalenes. Organic Letters, 2020, 22, 3200-3204. | 4.6 | 15 |

| # | Article | IF | Citations |
|---|---|---|---|
| 55 | Synthesis of 3-Azabicyclo[m.2.0] Ring Systems via a Copper-Catalyzed Cascade Reaction of Diazo Compounds with 1,n-Allenynes. Journal of Organic Chemistry, 2020, 85, 4418-4429. | 3.2 | 15 |
| 56 | N-Heterocyclic carbene-catalyzed enantioselective hetero-[10â€‰+â€‰2] annulation. Communications Chemistry, 2020, 3, . | 4.5 | 14 |
| 57 | Organocatalytic atroposelective heterocycloaddition to access axially chiral 2-arylquinolines. Communications Chemistry, 2021, 4, . | 4.5 | 14 |
| 58 | Nâ€Heterocyclic Carbeneâ€Catalyzed Annulation of Ylides with Ynals: Direct Access to Î±â€Pyrones. Chemistry - an Asian Journal, 2018, 13, 2427-2430. | 3.3 | 13 |
| 59 | A carbene-catalyzed tandem isomerization/cyclisation strategy: an efficient assembly of benzoxazinones. Organic Chemistry Frontiers, 2019, 6, 1367-1371. | 4.5 | 13 |
| 60 | From imines to amides via NHC-mediated oxidation. Organic Chemistry Frontiers, 2022, 9, 356-363. | 4.5 | 13 |
| 61 | N-Heterocyclic carbene catalyzed dehydrogenative coupling of enals: synthesis of monobactams. Organic Chemistry Frontiers, 2016, 3, 335-338. | 4.5 | 12 |
| 62 | Nâ€Heterocyclic Carbeneâ€Catalyzed Î²â€Indolylation of Î±â€Bromoenals with Indoles. Advanced Synthesis and Catalysis, 2019, 361, 5704-5708. | 4.3 | 12 |
| 63 | Copper-Catalyzed Tandem Cross-Coupling/Thermally Promoted [2 + 2] Cycloaddition of 1,6-Enynes and Diazo Compounds To Assemble Methylenecyclobutane-Fused Ring System. Journal of Organic Chemistry, 2021, 86, 4714-4732. | 3.2 | 11 |
| 64 | Inflammationâ€Triggered Supramolecular Nanoplatform for Local Dynamic Dependent Imagingâ€Guided Therapy of Rheumatoid Arthritis. Advanced Science, 2022, 9, e2105188. | 11.2 | 10 |
| 65 | Carbene-catalyzed oxidative acylation promoted by an unprecedented oxidant CCl<sub>3</sub>CN. Organic Chemistry Frontiers, 2019, 6, 688-693. | 4.5 | 9 |
| 66 | NHCâ€catalyzed Redoxâ€Neutral Azaâ€Benzoin Reaction of Aldehydes with Tetrahydroisoquinolines. Chinese Journal of Chemistry, 2020, 38, 135-138. | 4.9 | 9 |
| 67 | Palladium(II)-Catalyzed Oxidative Decarboxylative [2 + 2 + 1] Annulation of Cinnamic Acids with Alkynes: Access to Polysubstituted Pentafulvenes. Organic Letters, 2020, 22, 5589-5593. | 4.6 | 9 |
| 68 | A Spontaneous Membrane-Adsorption Approach to Enhancing Second Near-Infrared Deep-Imaging-Guided Intracranial Tumor Therapy. ACS Nano, 2021, 15, 4518-4533. | 14.6 | 9 |
| 69 | Palladiumâ€Catalyzed Crossâ€Coupling of Isatins with Alkynoates: Access to Câ€2 Olefination of Isatins. Advanced Synthesis and Catalysis, 2014, 356, 2943-2947. | 4.3 | 8 |
| 70 | Access to Cyclobutadienes via an Organocatalytic Dienamineâ€“Iminiumâ€“Allenamine Cascade Approach. Organic Letters, 2017, 19, 4564-4567. | 4.6 | 8 |
| 71 | Copperâ€Catalyzed Chemoâ€and Diastereoselective 1,3â€Dipolar Cycloaddition of Carbonyl Ylide and Aldehydeâ€Tetheredâ€Cyclohexadienone to Access Polycyclic Systems. Advanced Synthesis and Catalysis, 2021, 363, 4532-4537. | 4.3 | 8 |
| 72 | Switchable assembly of substituted pyrimidines and 2H-imidazoles via Cu(<scp>i</scp>)-catalysed ring expansion of 2 methoxyl-2H-azirines. Organic Chemistry Frontiers, 2022, 9, 3006-3011. | 4.5 | 8 |

| # | Article | IF | Citations |
|---|---|---|---|
| 73 | Palladium-catalyzed ring contraction reaction of naphthoquinones upon reaction with alkynes. Organic Chemistry Frontiers, 2016, 3, 603-608. | 4.5 | 7 |
| 74 | Catalytic Enantioselective Azaâ€Benzoin Reactions of Aldehydes with 2Hâ€Azirines. Angewandte Chemie, 2018, 130, 3829-3833. | 2.0 | 7 |
| 75 | Cycloadduct formation of Î±,Î²-unsaturated esters with azides catalyzed by NHC systems. Organic and Biomolecular Chemistry, 2017, 15, 9066-9070. | 2.8 | 6 |
| 76 | Enantioselective Access to Axial Biaryls via Rutheniumâ€Catalyzed Hydrogenâ€Transfer Reductive Amination. ChemistrySelect, 2019, 4, 1195-1198. | 1.5 | 6 |
| 77 | Benzotetramisole catalyzed kinetic resolution of 2H-azirines. Chemical Communications, 2020, 56, 12427-12430. | 4.1 | 6 |
| 78 | N-Heterocyclic Carbene-Catalyzed Chemoselective Sâ€“O Bond Cleavage of Benzenesulfonic Carbamate. Organic Letters, 2018, 20, 7607-7610. | 4.6 | 5 |
| 79 | Oneâ€Pot Synthesis of 1,2,3â€Triazolo Polycyclic Systems via Copperâ€Catalyzed/TsOHâ€Promoted Tandem Annulation of 1,6â€Allenynes with Organic Azides. Advanced Synthesis and Catalysis, 2021, 363, 4549. | 4.3 | 5 |
| 80 | Enantioselective Synthesis of Î±-Aryl-Î²-Aminocyclopropane Carboxylic Acid Derivatives via Rh(II)-Catalyzed Cyclopropanation of Vinylsulfonamides with Î±-Aryldiazoesters. Journal of Organic Chemistry, 2022, 87, 1074-1085. | 3.2 | 5 |
| 81 | N-Heterocyclic Carbene Catalyzed andN-Fluorobenzenesulfonimide Mediated Oxidative Synthesis of Perester and Amide. Chinese Journal of Organic Chemistry, 2016, 36, 105. | 1.3 | 4 |
| 82 | PIDA-Promoted/HFIP-Controlled Dearomative Spirocyclization of Phenolic Ketones via a Spirocyclohexadienone-Oxocarbenium Cation Species. Journal of Organic Chemistry, 2022, 87, 6247-6262. | 3.2 | 3 |
| 83 | Biomimetic enantioselective synthesis of Î²,Î²-difluoro-Î±-amino acid derivatives. Communications Chemistry, 2021, 4, . | 4.5 | 2 |