Feng Zhou

List of Publications by Year
in descending order

68 papers	5,799 citations	94381 37 h-index	85498 71 g-index
90 all docs	90 docs citations	90 times ranked	4223 citing authors

#	Article	IF	Citations
1	Catalytic Asymmetric Synthesis of Oxindoles Bearing a Tetrasubstituted Stereocenter at the Câ€3 Position. Advanced Synthesis and Catalysis, 2010, 352, 1381-1407.	2.1	1,161
2	Catalytic Enantioselective Desymmetrization Reactions to All-Carbon Quaternary Stereocenters. Chemical Reviews, 2016, 116, 7330-7396.	23.0	583
3	Development of Synthetic Methodologies via Catalytic Enantioselective Synthesis of 3,3-Disubstituted Oxindoles. Accounts of Chemical Research, 2018, 51, 1443-1454.	7.6	321
4	Catalytic Enantioselective Construction of Spiro Quaternary Carbon Stereocenters. ACS Catalysis, 2019, 9, 1820-1882.	5.5	227
5	Organocatalytic Asymmetric Strecker Reaction of Di- and Trifluoromethyl Ketoimines. Remarkable Fluorine Effect. Organic Letters, 2011, 13, 3826-3829.	2.4	169
6	Cinchona alkaloid-based phosphoramide catalyzed highly enantioselective Michael addition of unprotected 3-substituted oxindoles to nitroolefins. Chemical Science, 2011, 2, 2035.	3.7	161
7	GAMP: An open-source software of multi-GNSS precise point positioning using undifferenced and uncombined observations. GPS Solutions, 2018, 22, 1.	2.2	158
8	Asymmetric construction of quaternary stereocenters by direct organocatalytic amination of 3-substituted oxindoles. Chemical Communications, 2009, , 6753.	2.2	154
9	Asymmetric Copper(I)-Catalyzed Azideâ€"Alkyne Cycloaddition to Quaternary Oxindoles. Journal of the American Chemical Society, 2013, 135, 10994-10997.	6.6	151
10	Asymmetric Triple Relay Catalysis: Enantioselective Synthesis of Spirocyclic Indolines through a Oneâ€Pot Process Featuring an Asymmetric 6Ï€ Electrocyclization. Angewandte Chemie - International Edition, 2014, 53, 13740-13745.	7.2	147
11	Improving the Atom Efficiency of the Wittig Reaction by a â€œWaste as Catalyst/Coâ€catalystâ€• Strategy. Angewandte Chemie - International Edition, 2010, 49, 4976-4980.	7.2	119
12	Catalytic Enantioselective Construction of Sulfur-Containing Tetrasubstituted Carbon Stereocenters. ACS Catalysis, 2016, 6, 5319-5344.	5.5	118
13	A facile method for the synthesis of oxindole based quaternary Î±-aminonitriles via the Strecker reaction. Organic and Biomolecular Chemistry, 2010, 8, 3847.	1.5	117
14	Activation of Chiral (Salen)AlCl Complex by Phosphorane for Highly Enantioselective Cyanosilylation of Ketones and Enones. Journal of the American Chemical Society, 2016, 138, 416-425.	6.6	108
15	A Highly Diastereo- and Enantioselective Hg(II)-Catalyzed Cyclopropanation of Diazooxindoles and Alkenes. Organic Letters, 2013, 15, 42-45.	2.4	106
16	Catalytic Asymmetric Electrophilic Amination Reactions To Form Nitrogen-Bearing Tetrasubstituted Carbon Stereocenters. Synthesis, 2014, 46, 2983-3003.	1.2	100
17	Recent advances in the use of chiral metal complexes with achiral ligands for application in asymmetric catalysis. Catalysis Science and Technology, 2015, 5, 3441-3451.	2.1	98
18	Catalytic enantioselective construction of vicinal quaternary carbon stereocenters. Chemical Science, 2020, 11, 9341-9365.	3.7	96

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19	Direct electrochemical defluorinative carboxylation of Î±-CF₃ alkenes with carbon dioxide. Chemical Science, 2020, 11, 10414-10420.	3.7	83
20	Organocatalytic asymmetric synthesis of 3,3-disubstituted oxindoles featuring two heteroatoms at the C3 position. Chemical Communications, 2013, 49, 2022.	2.2	75
21	Organocatalytic Asymmetric Î±â€Amination of Unprotected 3â€Aryl and 3â€Aliphatic Substituted Oxindoles using Diâ€<i>tert</i>â€butyl Azodicarboxylate. Advanced Synthesis and Catalysis, 2011, 353, 2945-2952.	2.1	71
22	Utilization of CO₂ as a C1 Building Block in a Tandem Asymmetric A³ Coupling-Carboxylative Cyclization Sequence to 2-Oxazolidinones. ACS Catalysis, 2017, 7, 8588-8593.	5.5	71
23	Activation of (salen)CoI complex by phosphorane for carbon dioxide transformation at ambient temperature and pressure. Green Chemistry, 2017, 19, 3908-3915.	4.6	66
24	Organocatalytic Michael addition of unprotected 3-substituted oxindoles to nitroolefins. Organic and Biomolecular Chemistry, 2010, 8, 2912.	1.5	63
25	Successively Recycle Waste as Catalyst: A One-Pot Wittig/1,4-Reduction/Paalâ€“Knorr Sequence for Modular Synthesis of Substituted Furans. Organic Letters, 2015, 17, 1557-1560.	2.4	63
26	A Journey in the Catalytic Synthesis of 3-Substituted 3-AminoÂoxindoles. Synlett, 2015, 26, 2491-2504.	1.0	61
27	Catalytic asymmetric sulfenylation to structurally diverse dithioketals. Chemical Communications, 2015, 51, 16255-16258.	2.2	60
28	Simultaneous estimation of GLONASS pseudorange inter-frequency biases in precise point positioning using undifferenced and uncombined observations. GPS Solutions, 2018, 22, 1.	2.2	59
29	A Highly Efficient Friedelâ€“Crafts Reaction of 3â€Hydroxyoxindoles and Aromatic Compounds to 3,3â€Diaryl and 3â€Alkylâ€3â€aryloxindoles Catalyzed by Hg(ClO₄)₂â‹…3â€‰H₂O. Chemistry - an Asian Journal, 2012, 7, 233-241.	1.7	58
30	Enantioselective synthesis of <i>P</i>-chiral tertiary phosphine oxides with an ethynyl group <i>via</i> Cu(<scp>i</scp>)-catalyzed azideâ€“alkyne cycloaddition. Chemical Science, 2020, 11, 97-106.	3.7	55
31	Catalytic enantioselective synthesis of Î±-chiral azides. Organic Chemistry Frontiers, 2018, 5, 1542-1559.	2.3	54
32	Metal-Free Tandem Friedelâ€“Crafts/Lactonization Reaction to Benzofuranones Bearing a Quaternary Center at C3 Position. Journal of Organic Chemistry, 2012, 77, 4354-4362.	1.7	50
33	A catalytic metal-free Ritter reaction to 3-substituted 3-aminooxindoles. Organic and Biomolecular Chemistry, 2012, 10, 3178.	1.5	47
34	Highly Enantioselective CuAAC of Functional Tertiary Alcohols Featuring an Ethynyl Group and Their Kinetic Resolution. Angewandte Chemie - International Edition, 2021, 60, 8488-8493.	7.2	46
35	Direct Electrochemical Defluorinative Carboxylation of <i>gem</i>-Difluoroalkenes with Carbon Dioxide. Organic Letters, 2020, 22, 8424-8429.	2.4	44
36	An efficient catalyst-free Mukaiyama-aldol reaction of fluorinated enol silyl ethers with tryptanthrin. Organic and Biomolecular Chemistry, 2015, 13, 8906-8911.	1.5	40

#	ARTICLE	IF	CITATIONS
37	Highly enantioselective Michael addition of 3-arylthio- and 3-alkylthiooxindoles to nitroolefins catalyzed by a simple cinchona alkaloid derived phosphoramide. Chemical Communications, 2014, 50, 15179-15182.	2.2	38
38	Catalytic enantioselective synthesis using carbon dioxide as a C1 synthon. Organic and Biomolecular Chemistry, 2020, 18, 8597-8619.	1.5	34
39	Stereoselective defluorinative carboxylation of <i>gem</i>-difluoroalkenes with carbon dioxide. Organic Chemistry Frontiers, 2019, 6, 3678-3682.	2.3	32
40	Regiodivergent Intramolecular Nucleophilic Addition of Ketimines for the Diverse Synthesis of Azacycles. Angewandte Chemie - International Edition, 2020, 59, 1634-1643.	7.2	31
41	Recycle Waste Salt as Reagent: A One-Pot Substitution/Krapcho Reaction Sequence to Î±-Fluorinated Esters and Sulfones. Organic Letters, 2015, 17, 972-975.	2.4	29
42	H-bond donor-directed switching of diastereoselectivity in the Michael addition of Î±-azido ketones to nitroolefins. Chemical Science, 2020, 11, 3852-3861.	3.7	29
43	Organocatalytic asymmetric Michael addition of unprotected 3-substituted oxindoles to 1,4-naphthoquinone. Beilstein Journal of Organic Chemistry, 2012, 8, 1360-1365.	1.3	24
44	An efficient Fe(III)-catalyzed 1,6-conjugate addition of para-quinone methides with fluorinated silyl enol ethers toward Î²,Î²-diaryl Î±-fluorinated ketones. Tetrahedron, 2018, 74, 7395-7398.	1.0	24
45	An Optimal Tropospheric Tomography Method Based on the Multi-GNSS Observations. Remote Sensing, 2018, 10, 234.	1.8	23
46	Enantioselective Cu(I)-Catalyzed Cycloaddition of Prochiral Diazides with Terminal or 1-Iodoalkynes. Organic Letters, 2020, 22, 1270-1274.	2.4	23
47	A Facile Method for the Synthesis of 3-Substituted 3-(Alkylthio)oxindoles or 3-Alkoxyoxindoles. Synthesis, 2012, 44, 3129-3144.	1.2	21
48	Reduction of Kinematic Short Baseline Multipath Effects Based on Multipath Hemispherical Map. Sensors, 2016, 16, 1677.	2.1	21
49	Multi-antenna synchronized global navigation satellite system receiver and its advantages in high-precision positioning applications. Frontiers of Earth Science, 2016, 10, 772-783.	0.9	21
50	Enantioselective carboxylative cyclization of propargylic alcohol with carbon dioxide under mild conditions. Chinese Chemical Letters, 2020, 31, 324-328.	4.8	21
51	One-Pot Sequential [3 + 3] Dipolar Cycloaddition of Aldehyde or Ketone and Hydroxylamine with Spirocyclopropyl Oxindole. Journal of Organic Chemistry, 2018, 83, 12763-12774.	1.7	18
52	The Impact of Estimating High-Resolution Tropospheric Gradients on Multi-GNSS Precise Positioning. Sensors, 2017, 17, 756.	2.1	16
53	Catalytic Enantioselective Protonation of Monofluorinated Silyl Enol Ethers towards Chiral Î±â€Fluoroketones. Chinese Journal of Chemistry, 2019, 37, 799-806.	2.6	16
54	Recent Advances in the Enantioselective Copper(I)-Catalyzed Azide-Alkyne Cycloaddition Reaction. Chinese Journal of Organic Chemistry, 2020, 40, 3065.	0.6	16

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55	Au-Catalyzed Formal Allylation of Diazo(thio)oxindoles: Application to Tandem Asymmetric Synthesis of Quaternary Stereocenters. Organic Letters, 2021, 23, 4864-4869.	2.4	15
56	Formal Uncertainty and Dispersion of Single and Double Difference Models for GNSS-Based Attitude Determination. Sensors, 2017, 17, 408.	2.1	14
57	Asymmetric Synthesis of Oxindole-Derived Vicinal Tetrasubstituted Acyclic Amino Acid Derivatives by the Mannich-Type Reaction. Journal of Organic Chemistry, 2020, 85, 9661-9671.	1.7	14
58	Multifunctional 1,3-diphenylguanidine for the carboxylative cyclization of homopropargyl amines with CO₂ under ambient temperature and pressure. Chemical Communications, 2019, 55, 14303-14306.	2.2	13
59	The first catalytic asymmetric thioacetalization by chiral phosphoric acid catalysis. Organic and Biomolecular Chemistry, 2016, 14, 2205-2209.	1.5	12
60	Organocatalytic enantioselective reactions involving prochiral carbocationic intermediates. Chemical Communications, 2021, 57, 9178-9191.	2.2	12
61	Highly Enantioselective CuAAC of Functional Tertiary Alcohols Featuring an Ethynyl Group and Their Kinetic Resolution. Angewandte Chemie, 2021, 133, 8569-8574.	1.6	12
62	Ga(OTf)₃Catalyzed Highly Efficient Substitution Reaction of 3-Hydroxyoxindoles Using TMSN₃. Acta Chimica Sinica, 2015, 73, 685.	0.5	12
63	Au(I)/Chiral Tertiary Amine Catalyzed Tandem Olefination/Asymmetric Cyclization Reaction to Quaternary Spirocyclic Oxindoles. Acta Chimica Sinica, 2018, 76, 862.	0.5	10
64	Enantioselective Synthesis of C^{Î±}-Tetrasubstituted <i>N</i>-Hydroxyl-Î±-amino Nitriles via Cyanation of Ketonitrones Using Me₂(CH₂Cl)SiCN. Organic Letters, 2021, 23, 8471-8476.	2.4	10
65	A highly efficient Hg(OTf)₂-mediated Sakuraiâ€“Hosomi allylation of <i>N-tert</i>-butyloxycarbonylamino sulfones, aldehydes, fluoroalkyl ketones and Î±,Î²-unsaturated enones using allyltrimethylsilane. Organic Chemistry Frontiers, 2019, 6, 3989-3995.	2.3	8
66	Catalytic Enantioselective Transfer Hydrogenationâ€“Carboxylative Cyclization to 4-Fluoroalkyl 2-Oxazolidinone with CO₂ as the C1 Synthon. Organic Letters, 2021, 23, 2726-2730.	2.4	4
67	Highly stereoselective synthesis of spirocyclopropylthiooxindoles and biological evaluation. Organic Chemistry Frontiers, 2022, 9, 2640-2646.	2.3	3
68	Regiodivergent Intramolecular Nucleophilic Addition of Ketimines for the Diverse Synthesis of Azacycles. Angewandte Chemie, 2020, 132, 1651-1660.	1.6	1