Niankai Fu

List of Publications by Citations

29 papers	1,999 citations	21 h-index	30 g-index
30 ext. papers	2,498 ext. citations	10.6 avg, IF	5.74 L-index

#	Paper	IF	Citations
29	Metal-catalyzed electrochemical diazidation of alkenes. *Science*, **2017**, 357, 575-579	33.3	385
28	Catalyzing Electrosynthesis: A Homogeneous Electrocatalytic Approach to Reaction Discovery. *Accounts of Chemical Research*, **2020**, 53, 547-560	24.3	234
27	Anodically Coupled Electrolysis for the Heterodifunctionalization of Alkenes. *Journal of the American Chemical Society*, **2018**, 140, 2438-2441	16.4	159
26	Electrocatalytic Radical Dichlorination of Alkenes with Nucleophilic Chlorine Sources. *Journal of the American Chemical Society*, **2017**, 139, 15548-15553	16.4	149
25	Pushing the limits of aminocatalysis: enantioselective transformations of β-branched α-ketocarbonyls and vinyl ketones by chiral primary amines. *Accounts of Chemical Research*, **2015**, 48, 986-97	24.3	113
24	Catalytic Asymmetric Electrochemical Oxidative Coupling of Tertiary Amines with Simple Ketones. *Organic Letters*, **2017**, 19, 2122-2125	6.2	109
23	Electrochemical Azidooxygenation of Alkenes Mediated by a TEMPO-N Charge-Transfer Complex. *Journal of the American Chemical Society*, **2018**, 140, 12511-12520	16.4	102
22	New Bisoxazoline Ligands Enable Enantioselective Electrocatalytic Cyanofunctionalization of Vinylarenes. *Journal of the American Chemical Society*, **2019**, 141, 14480-14485	16.4	87
21	Dual electrocatalysis enables enantioselective hydrocyanation of conjugated alkenes. *Nature Chemistry*, **2020**, 12, 747-754	17.6	81
20	Electrocatalytic Difunctionalization of Olefins as a General Approach to the Synthesis of Vicinal Diamines. *Synlett*, **2018**, 29, 257-265	2.2	65
19	Chiral primary amine catalyzed enantioselective protonation via an enamine intermediate. *Angewandte Chemie - International Edition*, **2011**, 50, 11451-5	16.4	65
18	Mn-Catalyzed Electrochemical Chloroalkylation of Alkenes. *ACS Catalysis*, **2019**, 9, 746-754	13.1	65
17	Synthesis of Chlorotrifluoromethylated Pyrrolidines by Electrocatalytic Radical Ene-Yne Cyclization. *Chemistry - A European Journal*, **2018**, 24, 12274-12279	4.8	63
16	Chiral primary-tertiary diamine-Brønsted acid salt catalyzed syn-selective cross-aldol reaction of aldehydes. *Journal of Organic Chemistry*, **2010**, 75, 4501-7	4.2	52
15	Asymmetric sulfa-Michael addition to β-substituted vinyl ketones catalyzed by chiral primary amine. *Organic Letters*, **2014**, 16, 4626-9	6.2	36
14	A general, electrocatalytic approach to the synthesis of vicinal diamines. *Nature Protocols*, **2018**, 13, 1725-1743	18.8	33
13	Chiral primary-amine-catalyzed conjugate addition to β-substituted vinyl ketones/aldehydes: divergent stereocontrol modes on enamine protonation. *Chemistry - A European Journal*, **2013**, 19, 15669-81	4.8	27

List of Publications

12	Chiral Primary Amine Catalyzed Asymmetric Epoxidation of β-Substituted Acroleins. *European Journal of Organic Chemistry*, **2010**, 2010, 6840-6849	3.2	27
11	Chiral primary amine catalysed asymmetric conjugate addition of azoles to β-substituted vinyl ketones. *Organic Chemistry Frontiers*, **2014**, 1, 68-72	5.2	26
10	Catalytic Asymmetric Electrochemical β-Arylation of Cyclic β-Ketocarbonyls with Anodic Benzyne Intermediates. *Angewandte Chemie - International Edition*, **2020**, 59, 14347-14351	16.4	23
9	Three-Component Chlorophosphinoylation of Alkenes via Anodically Coupled Electrolysis. *Synlett*, **2019**, 30, 1199-1203	2.2	22
8	Chiral primary amine catalyzed asymmetric Michael addition of malononitrile to β-substituted vinyl ketone. *Organic Letters*, **2015**, 17, 382-5	6.2	20
7	Chiral Primary Amine Catalyzed Enantioselective Protonation via an Enamine Intermediate. *Angewandte Chemie*, **2011**, 123, 11653-11657	3.6	17
6	Catalytic asymmetric enamine protonation reaction. *Organic and Biomolecular Chemistry*, **2018**, 16, 510-520	3.9	13
5	Harnessing Radical Chemistry via Electrochemical Transition Metal Catalysis. *IScience*, **2020**, 23, 101796	6.1	11
4	Reaching the Full Potential of Electroorganic Synthesis by Paired Electrolysis. *Chemical Record*, **2021**, 21, 2574-2584	6.6	11
3	Dual Electrocatalysis Enables Enantioselective Hydrocyanation of Conjugated Alkenes		3
2	Catalytic Asymmetric Electrochemical β-Arylation of Cyclic β-Ketocarbonyls with Anodic Benzyne Intermediates. *Angewandte Chemie*, **2020**, 132, 14453-14457	3.6	1
1	Single-Electron Strategies in Organometallic Methods: Photoredox, Electrocatalysis, Radical Relay, and Beyond **2021**,		0