

Song Lin

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

52
papers

7,319
citations

37
h-index

75
g-index

75
ext. papers

9,046
ext. citations

15.1
avg, IF

6.74
L-index

#	Paper	IF	Citations
52	Covalent organic frameworks comprising cobalt porphyrins for catalytic CO ₂ reduction in water. <i>Science</i> , 2015 , 349, 1208-13	33.3	1540
51	Metal-organic frameworks for electrocatalytic reduction of carbon dioxide. <i>Journal of the American Chemical Society</i> , 2015 , 137, 14129-35	16.4	768
50	Metal-catalyzed electrochemical diazidation of alkenes. <i>Science</i> , 2017 , 357, 575-579	33.3	385
49	An Electrocatalytic Approach to the Radical Difunctionalization of Alkenes. <i>ACS Catalysis</i> , 2018 , 8, 5175-5187	16.4	305
48	Reticular Electronic Tuning of Porphyrin Active Sites in Covalent Organic Frameworks for Electrocatalytic Carbon Dioxide Reduction. <i>Journal of the American Chemical Society</i> , 2018 , 140, 1116-1122	16.4	300
47	A Molecular Surface Functionalization Approach to Tuning Nanoparticle Electrocatalysts for Carbon Dioxide Reduction. <i>Journal of the American Chemical Society</i> , 2016 , 138, 8120-5	16.4	272
46	Enantioselective thiourea-catalyzed cationic polycyclizations. <i>Journal of the American Chemical Society</i> , 2010 , 132, 5030-2	16.4	271
45	Cross dehydrogenative arylation (CDA) of a benzylic C-H bond with arenes by iron catalysis. <i>Angewandte Chemie - International Edition</i> , 2009 , 48, 3817-20	16.4	262
44	Catalyzing Electrosynthesis: A Homogeneous Electrocatalytic Approach to Reaction Discovery. <i>Accounts of Chemical Research</i> , 2020 , 53, 547-560	24.3	234
43	Intra/intermolecular direct allylic alkylation via Pd(II)-catalyzed allylic C-H activation. <i>Journal of the American Chemical Society</i> , 2008 , 130, 12901-3	16.4	230
42	An acid-labile block copolymer of PDMAEMA and PEG as potential carrier for intelligent gene delivery systems. <i>Biomacromolecules</i> , 2008 , 9, 109-15	6.9	202
41	Anodically Coupled Electrolysis for the Heterodifunctionalization of Alkenes. <i>Journal of the American Chemical Society</i> , 2018 , 140, 2438-2441	16.4	159
40	Electrocatalytic Radical Dichlorination of Alkenes with Nucleophilic Chlorine Sources. <i>Journal of the American Chemical Society</i> , 2017 , 139, 15548-15553	16.4	149
39	Thiourea-catalysed ring opening of episulfonium ions with indole derivatives by means of stabilizing non-covalent interactions. <i>Nature Chemistry</i> , 2012 , 4, 817-24	17.6	141
38	The Cation- π Interaction in Small-Molecule Catalysis. <i>Angewandte Chemie - International Edition</i> , 2016 , 55, 12596-624	16.4	139
37	Reductive Electrophotocatalysis: Merging Electricity and Light To Achieve Extreme Reduction Potentials. <i>Journal of the American Chemical Society</i> , 2020 , 142, 2087-2092	16.4	127
36	New Redox Strategies in Organic Synthesis by Means of Electrochemistry and Photochemistry. <i>ACS Central Science</i> , 2020 , 6, 1317-1340	16.8	116

35	Electrocatalysis as an enabling technology for organic synthesis. <i>Chemical Society Reviews</i> , 2021 , 50, 7941-8021	11.1	111
34	Cross Dehydrogenative Arylation (CDA) of a Benzylic C-H Bond with Arenes by Iron Catalysis. <i>Angewandte Chemie</i> , 2009 , 121, 3875-3878	3.6	102
33	Electrochemical Azidooxygenation of Alkenes Mediated by a TEMPO-N Charge-Transfer Complex. <i>Journal of the American Chemical Society</i> , 2018 , 140, 12511-12520	16.4	102
32	Closing the Nanographene Gap: Surface-Assisted Synthesis of Peripentacene from 6,6-Tribipentacene Precursors. <i>Angewandte Chemie - International Edition</i> , 2015 , 54, 15143-6	16.4	96
31	Radical Redox-Relay Catalysis: Formal [3+2] Cycloaddition of N-Acylaziridines and Alkenes. <i>Journal of the American Chemical Society</i> , 2017 , 139, 12141-12144	16.4	88
30	New Bisoxazoline Ligands Enable Enantioselective Electrocatalytic Cyanofunctionalization of Vinylarenes. <i>Journal of the American Chemical Society</i> , 2019 , 141, 14480-14485	16.4	87
29	Electrochemically Controlled Cationic Polymerization of Vinyl Ethers. <i>Journal of the American Chemical Society</i> , 2018 , 140, 2076-2079	16.4	86
28	Dual electrocatalysis enables enantioselective hydrocyanation of conjugated alkenes. <i>Nature Chemistry</i> , 2020 , 12, 747-754	17.6	81
27	Electrochemistry Broadens the Scope of Flavin Photocatalysis: Photoelectrocatalytic Oxidation of Unactivated Alcohols. <i>Angewandte Chemie - International Edition</i> , 2020 , 59, 409-417	16.4	77
26	Enantioselective selenocyclization via dynamic kinetic resolution of seleniranium ions by hydrogen-bond donor catalysts. <i>Journal of the American Chemical Society</i> , 2014 , 136, 16485-8	16.4	76
25	Aminoxyl-Catalyzed Electrochemical Diazidation of Alkenes Mediated by a Metastable Charge-Transfer Complex. <i>Journal of the American Chemical Society</i> , 2019 , 141, 2825-2831	16.4	74
24	Diastereo- and Enantioselective Formal [3 + 2] Cycloaddition of Cyclopropyl Ketones and Alkenes via Ti-Catalyzed Radical Redox Relay. <i>Journal of the American Chemical Society</i> , 2018 , 140, 3514-3517	16.4	69
23	Electrocatalytic Difunctionalization of Olefins as a General Approach to the Synthesis of Vicinal Diamines. <i>Synlett</i> , 2018 , 29, 257-265	2.2	65
22	Mn-Catalyzed Electrochemical Chloroalkylation of Alkenes. <i>ACS Catalysis</i> , 2019 , 9, 746-754	13.1	65
21	Synthesis of Chlorotrifluoromethylated Pyrrolidines by Electrocatalytic Radical Ene-Yne Cyclization. <i>Chemistry - A European Journal</i> , 2018 , 24, 12274-12279	4.8	63
20	Ti-Catalyzed Radical Alkylation of Secondary and Tertiary Alkyl Chlorides Using Michael Acceptors. <i>Journal of the American Chemical Society</i> , 2018 , 140, 14836-14843	16.4	59
19	Electroreductive Carbofunctionalization of Alkenes with Alkyl Bromides via a Radical-Polar Crossover Mechanism. <i>Journal of the American Chemical Society</i> , 2020 , 142, 20661-20670	16.4	49
18	Bimetallic Radical Redox-Relay Catalysis for the Isomerization of Epoxides to Allylic Alcohols. <i>Journal of the American Chemical Society</i> , 2019 , 141, 9548-9554	16.4	47

17	Die Kation-Wechselwirkung in der Katalyse mit niedermolekularen Verbindungen. <i>Angewandte Chemie</i> , 2016 , 128, 12784-12814	3.6	44
16	Recent Advances in Titanium Radical Redox Catalysis. <i>Journal of Organic Chemistry</i> , 2019 , 84, 14369-14380	3.6	38
15	An Electroreductive Approach to Radical Silylation via the Activation of Strong Si-Cl Bond. <i>Journal of the American Chemical Society</i> , 2020 , 142, 21272-21278	16.4	34
14	A general, electrocatalytic approach to the synthesis of vicinal diamines. <i>Nature Protocols</i> , 2018 , 13, 1725-1743	16.4	33
13	Electrochemistry Broadens the Scope of Flavin Photocatalysis: Photoelectrocatalytic Oxidation of Unactivated Alcohols. <i>Angewandte Chemie</i> , 2020 , 132, 417-425	3.6	33
12	Closing the Nanographene Gap: Surface-Assisted Synthesis of Peripentacene from 6,6'-Bipentacene Precursors. <i>Angewandte Chemie</i> , 2015 , 127, 15358-15361	3.6	27
11	Three-Component Chlorophosphinoylation of Alkenes via Anodically Coupled Electrolysis. <i>Synlett</i> , 2019 , 30, 1199-1203	2.2	22
10	Electrochemically driven cross-electrophile coupling of alkyl halides.. <i>Nature</i> , 2022 ,	50.4	18
9	Exploring Electrochemical C(sp)-H Oxidation for the Late-Stage Methylation of Complex Molecules.. <i>Journal of the American Chemical Society</i> , 2022 ,	16.4	16
8	Unlocking the Potential of High-Throughput Experimentation for Electrochemistry with a Standardized Microscale Reactor. <i>ACS Central Science</i> , 2021 , 7, 1347-1355	16.8	15
7	Mechanistic Studies Inform Design of Improved Ti(salen) Catalysts for Enantioselective [3 + 2] Cycloaddition. <i>Journal of the American Chemical Society</i> , 2020 , 142, 18471-18482	16.4	14
6	Mono-, bis-, and trismaleimides having electron-donating chromophores: Fluorescence, electrochemical properties, polymerization, and cure monitoring. <i>Journal of Polymer Science Part A</i> , 2006 , 44, 304-313	2.5	10
5	Electrocatalytic Diazidation of Alkenes. <i>Trends in Chemistry</i> , 2020 , 2, 84-85	14.8	4
4	Isolation and X-ray Crystal Structure of an Electrogenenerated TEMPO-N Charge-Transfer Complex. <i>Organic Letters</i> , 2021 , 23, 454-458	6.2	4
3	Dual Electrocatalysis Enables Enantioselective Hydrocyanation of Conjugated Alkenes		3
2	Titanium and Cobalt Bimetallic Radical Redox Relay for the Isomerization of -Bz Aziridines to Allylic Amides. <i>Synthesis</i> , 2021 , 53, 4213-4220	2.9	2
1	Working at the interfaces of data science and synthetic electrochemistry. 2022 , 1,		1