Song Lin

List of Publications by Year in Descending Order

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	Exploring Electrochemical C(sp)-H Oxidation for the Late-Stage Methylation of Complex Molecules.. *Journal of the American Chemical Society*, **2022**,	16.4	16
51	Electrochemically driven cross-electrophile coupling of alkyl halides.. *Nature*, **2022**,	50.4	18
50	Working at the interfaces of data science and synthetic electrochemistry. **2022**, 1,		1
49	Titanium and Cobalt Bimetallic Radical Redox Relay for the Isomerization of -Bz Aziridines to Allylic Amides. *Synthesis*, **2021**, 53, 4213-4220	2.9	2
48	Unlocking the Potential of High-Throughput Experimentation for Electrochemistry with a Standardized Microscale Reactor. *ACS Central Science*, **2021**, 7, 1347-1355	16.8	15
47	Electrocatalysis as an enabling technology for organic synthesis. *Chemical Society Reviews*, **2021**, 50, 7941-8002	58.9	111
46	Isolation and X-ray Crystal Structure of an Electrogenerated TEMPO-N Charge-Transfer Complex. *Organic Letters*, **2021**, 23, 454-458	6.2	4
45	An Electroreductive Approach to Radical Silylation via the Activation of Strong Si-Cl Bond. *Journal of the American Chemical Society*, **2020**, 142, 21272-21278	16.4	34
44	Dual electrocatalysis enables enantioselective hydrocyanation of conjugated alkenes. *Nature Chemistry*, **2020**, 12, 747-754	17.6	81
43	Catalyzing Electrosynthesis: A Homogeneous Electrocatalytic Approach to Reaction Discovery. *Accounts of Chemical Research*, **2020**, 53, 547-560	24.3	234
42	Reductive Electrophotocatalysis: Merging Electricity and Light To Achieve Extreme Reduction Potentials. *Journal of the American Chemical Society*, **2020**, 142, 2087-2092	16.4	127
41	Electrochemistry Broadens the Scope of Flavin Photocatalysis: Photoelectrocatalytic Oxidation of Unactivated Alcohols. *Angewandte Chemie*, **2020**, 132, 417-425	3.6	33
40	Electrocatalytic Diazidation of Alkenes. *Trends in Chemistry*, **2020**, 2, 84-85	14.8	4
39	Mechanistic Studies Inform Design of Improved Ti(salen) Catalysts for Enantioselective [3 + 2] Cycloaddition. *Journal of the American Chemical Society*, **2020**, 142, 18471-18482	16.4	14
38	New Redox Strategies in Organic Synthesis by Means of Electrochemistry and Photochemistry. *ACS Central Science*, **2020**, 6, 1317-1340	16.8	116
37	Electroreductive Carbofunctionalization of Alkenes with Alkyl Bromides via a Radical-Polar Crossover Mechanism. *Journal of the American Chemical Society*, **2020**, 142, 20661-20670	16.4	49
36	Electrochemistry Broadens the Scope of Flavin Photocatalysis: Photoelectrocatalytic Oxidation of Unactivated Alcohols. *Angewandte Chemie - International Edition*, **2020**, 59, 409-417	16.4	77

35	New Bisoxazoline Ligands Enable Enantioselective Electrocatalytic Cyanofunctionalization of Vinylarenes. *Journal of the American Chemical Society*, **2019**, 141, 14480-14485	16.4	87
34	Aminoxyl-Catalyzed Electrochemical Diazidation of Alkenes Mediated by a Metastable Charge-Transfer Complex. *Journal of the American Chemical Society*, **2019**, 141, 2825-2831	16.4	74
33	Three-Component Chlorophosphinoylation of Alkenes via Anodically Coupled Electrolysis. *Synlett*, **2019**, 30, 1199-1203	2.2	22
32	Bimetallic Radical Redox-Relay Catalysis for the Isomerization of Epoxides to Allylic Alcohols. *Journal of the American Chemical Society*, **2019**, 141, 9548-9554	16.4	47
31	Recent Advances in Titanium Radical Redox Catalysis. *Journal of Organic Chemistry*, **2019**, 84, 14369-14380	4.2	38
30	Mn-Catalyzed Electrochemical Chloroalkylation of Alkenes. *ACS Catalysis*, **2019**, 9, 746-754	13.1	65
29	Diastereo- and Enantioselective Formal [3 + 2] Cycloaddition of Cyclopropyl Ketones and Alkenes via Ti-Catalyzed Radical Redox Relay. *Journal of the American Chemical Society*, **2018**, 140, 3514-3517	16.4	69
28	Anodically Coupled Electrolysis for the Heterodifunctionalization of Alkenes. *Journal of the American Chemical Society*, **2018**, 140, 2438-2441	16.4	159
27	Electrochemically Controlled Cationic Polymerization of Vinyl Ethers. *Journal of the American Chemical Society*, **2018**, 140, 2076-2079	16.4	86
26	Reticular Electronic Tuning of Porphyrin Active Sites in Covalent Organic Frameworks for Electrocatalytic Carbon Dioxide Reduction. *Journal of the American Chemical Society*, **2018**, 140, 1116-1122	16.4	300
25	Electrocatalytic Difunctionalization of Olefins as a General Approach to the Synthesis of Vicinal Diamines. *Synlett*, **2018**, 29, 257-265	2.2	65
24	An Electrocatalytic Approach to the Radical Difunctionalization of Alkenes. *ACS Catalysis*, **2018**, 8, 5175-5187	13.1	305
23	A general, electrocatalytic approach to the synthesis of vicinal diamines. *Nature Protocols*, **2018**, 13, 1725-1743	18.8	33
22	Ti-Catalyzed Radical Alkylation of Secondary and Tertiary Alkyl Chlorides Using Michael Acceptors. *Journal of the American Chemical Society*, **2018**, 140, 14836-14843	16.4	59
21	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
20	Synthesis of Chlorotrifluoromethylated Pyrrolidines by Electrocatalytic Radical Ene-Yne Cyclization. *Chemistry - A European Journal*, **2018**, 24, 12274-12279	4.8	63
19	Electrocatalytic Radical Dichlorination of Alkenes with Nucleophilic Chlorine Sources. *Journal of the American Chemical Society*, **2017**, 139, 15548-15553	16.4	149
18	Radical Redox-Relay Catalysis: Formal [3+2] Cycloaddition of N-Acylaziridines and Alkenes. *Journal of the American Chemical Society*, **2017**, 139, 12141-12144	16.4	88

17	Metal-catalyzed electrochemical diazidation of alkenes. *Science*, **2017**, 357, 575-579	33.3	385
16	A Molecular Surface Functionalization Approach to Tuning Nanoparticle Electrocatalysts for Carbon Dioxide Reduction. *Journal of the American Chemical Society*, **2016**, 138, 8120-5	16.4	272
15	Die Kation-Wechselwirkung in der Katalyse mit niedermolekularen Verbindungen. *Angewandte Chemie*, **2016**, 128, 12784-12814	3.6	44
14	The Cation- Interaction in Small-Molecule Catalysis. *Angewandte Chemie - International Edition*, **2016**, 55, 12596-624	16.4	139
13	Metal-organic frameworks for electrocatalytic reduction of carbon dioxide. *Journal of the American Chemical Society*, **2015**, 137, 14129-35	16.4	768
12	Covalent organic frameworks comprising cobalt porphyrins for catalytic CO reduction in water. *Science*, **2015**, 349, 1208-13	33.3	1540
11	Closing the Nanographene Gap: Surface-Assisted Synthesis of Peripentacene from 6,6?-Bipentacene Precursors. *Angewandte Chemie*, **2015**, 127, 15358-15361	3.6	27
10	Closing the Nanographene Gap: Surface-Assisted Synthesis of Peripentacene from 6,6-Bipentacene Precursors. *Angewandte Chemie - International Edition*, **2015**, 54, 15143-6	16.4	96
9	Enantioselective selenocyclization via dynamic kinetic resolution of seleniranium ions by hydrogen-bond donor catalysts. *Journal of the American Chemical Society*, **2014**, 136, 16485-8	16.4	76
8	Thiourea-catalysed ring opening of episulfonium ions with indole derivatives by means of stabilizing non-covalent interactions. *Nature Chemistry*, **2012**, 4, 817-24	17.6	141
7	Enantioselective thiourea-catalyzed cationic polycyclizations. *Journal of the American Chemical Society*, **2010**, 132, 5030-2	16.4	271
6	Cross Dehydrogenative Arylation (CDA) of a Benzylic C?H Bond with Arenes by Iron Catalysis. *Angewandte Chemie*, **2009**, 121, 3875-3878	3.6	102
5	Cross dehydrogenative arylation (CDA) of a benzylic C-H bond with arenes by iron catalysis. *Angewandte Chemie - International Edition*, **2009**, 48, 3817-20	16.4	262
4	Intra/intermolecular direct allylic alkylation via Pd(II)-catalyzed allylic C-H activation. *Journal of the American Chemical Society*, **2008**, 130, 12901-3	16.4	230
3	An acid-labile block copolymer of PDMAEMA and PEG as potential carrier for intelligent gene delivery systems. *Biomacromolecules*, **2008**, 9, 109-15	6.9	202
2	Mono-, bis-, and trismaleimides having electron-donating chromophores: Fluorescence, electrochemical properties, polymerization, and cure monitoring. *Journal of Polymer Science Part A*, **2006**, 44, 304-313	2.5	10
1	Dual Electrocatalysis Enables Enantioselective Hydrocyanation of Conjugated Alkenes		3