

Using Physical Organic Chemistry To Shape the Course

Chemical Reviews

118, 4817-4833

DOI: [10.1021/acs.chemrev.7b00656](https://doi.org/10.1021/acs.chemrev.7b00656)

Citation Report

#	ARTICLE	IF	CITATIONS
1	Electrosynthesis of Trisubstituted 2-Oxazolines via Dehydrogenative Cyclization of Î²-Amino Arylketones. <i>Organic Letters</i> , 2018, 20, 2505-2508.	2.4	66
2	Electrochemical Synthesis of Bisindolylmethanes from Indoles and Ethers. <i>Organic Letters</i> , 2018, 20, 2911-2915.	2.4	43
3	Electrochemical synthesis of tetrazoles <i>via</i> metal- and oxidant-free [3 + 2] cycloaddition of azides with hydrazones. <i>Green Chemistry</i> , 2018, 20, 5271-5275.	4.6	42
4	Electrochemical oxidative [4 + 2] annulation of tertiary anilines and alkenes for the synthesis of tetrahydroquinolines. <i>Green Chemistry</i> , 2018, 20, 4870-4874.	4.6	66
5	Reactivity of Anodically Generated 4-Methoxystilbene Cation Radicals: The Influence of Ortho-Substituted Hydroxymethyl, Aminomethyl, and Carboxylic Acid Groups. <i>Journal of Organic Chemistry</i> , 2018, 83, 15087-15100.	1.7	4
6	Electrochemical synthesis of 7-membered carbocycles through cascade 5- <i>exo-trig</i> /7- <i>endo-trig</i> radical cyclization. <i>Organic Chemistry Frontiers</i> , 2018, 5, 3129-3132.	2.3	40
7	Organic Sonochemistry. <i>Springer Briefs in Molecular Science</i> , 2018, , .	0.1	16
8	Efficient Organic Synthesis: What Ultrasound Makes Easier. <i>Springer Briefs in Molecular Science</i> , 2018, , 17-39.	0.1	0
9	Electrochemically Enabled Carbohydroxylation of Alkenes with H ₂ O and Organotrifluoroborates. <i>Journal of the American Chemical Society</i> , 2018, 140, 16387-16391.	6.6	127
10	Synthesis of N-Heterocycles by Dehydrogenative Annulation of N-Allyl Amides with 1,3-Dicarbonyl Compounds. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 14070-14074.	7.2	77
11	Dehydrogenative reagent-free annulation of alkenes with diols for the synthesis of saturated O-heterocycles. <i>Nature Communications</i> , 2018, 9, 3551.	5.8	117
12	Electrochemical Alkynyl/Alkenyl Migration for the Radical Difunctionalization of Alkenes. <i>Chemistry - A European Journal</i> , 2018, 24, 17205-17209.	1.7	48
13	Synthesis of N-Heterocycles by Dehydrogenative Annulation of N-Allyl Amides with 1,3-Dicarbonyl Compounds. <i>Angewandte Chemie</i> , 2018, 130, 14266-14270.	1.6	26
14	A Regio- and Diastereoselective Anodic Aryl-Aryl Coupling in the Biomimetic Total Synthesis of (âˆ“)â€Thebaine. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 11055-11059.	7.2	70
15	Eine regio- und diastereoselektive anodische Aryl-Aryl-Kupplung in der biomimetischen Totalsynthese von (âˆ“)â€Thebain. <i>Angewandte Chemie</i> , 2018, 130, 11221-11225.	1.6	21
16	Electrochemical Synthesis of (Aza)indolines <i>via</i> Dehydrogenative [3+2] Annulation: Application to Total Synthesis of (Â±)â€Hincdentine A. <i>Chinese Journal of Chemistry</i> , 2018, 36, 909-915.	2.6	63
17	Iodine(III)-Mediated Electrochemical Trifluoroethyl lactonisation: Rational Reaction Optimisation and Prediction of Mediator Activity. <i>Chemistry - A European Journal</i> , 2018, 24, 15781-15785.	1.7	40
18	Electrochemical Formation of <i>N</i> -Acyloxy Amidyl Radicals and Their Application: Regioselective Intramolecular Amination of sp ² and sp ³ C-H Bonds. <i>Organic Letters</i> , 2018, 20, 3443-3446.	2.4	145

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19	Electrochemical Hofmann rearrangement mediated by NaBr: practical access to bioactive carbamates. <i>Organic and Biomolecular Chemistry</i> , 2018, 16, 4615-4618.	1.5	31
20	Electrochemical strategies for C-H functionalization and C-N bond formation. <i>Chemical Society Reviews</i> , 2018, 47, 5786-5865.	18.7	736
21	Hochkonversion von Reduktionsmitteln. <i>Angewandte Chemie</i> , 2019, 131, 5588-5607.	1.6	14
22	Upconversion of Reductants. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 5532-5550.	7.2	61
23	Redox Denaturation of Proteins: Electrochemical Treatment of Egg Plasma. <i>Electroanalysis</i> , 2019, 31, 2299-2302.	1.5	4
24	Electrochemical oxidative annulation of amines and aldehydes or ketones to synthesize polysubstituted pyrroles. <i>Green Chemistry</i> , 2019, 21, 4941-4945.	4.6	32
25	Oxo-thiolation of Cationically Polymerizable Alkenes Using Flow Microreactors. <i>Chemistry - A European Journal</i> , 2019, 25, 15239-15243.	1.7	10
26	Organic electrocatalysis: electrochemical alkyne functionalization. <i>Catalysis Science and Technology</i> , 2019, 9, 5868-5881.	2.1	49
27	Electrochemical Arylation of Electron-Deficient Arenes through Reductive Activation. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 15747-15751.	7.2	54
28	Cupraelectro-Catalyzed Alkyne Annulation: Evidence for Distinct C-H Alkynylation and Decarboxylative C-H/C-Manifolds. <i>ACS Catalysis</i> , 2019, 9, 7690-7696.	5.5	76
29	Intramolecular electrochemical dehydrogenative N-N bond formation for the synthesis of 1,2,4-triazolo[1,5- <i>a</i>]pyridines. <i>Green Chemistry</i> , 2019, 21, 4035-4039.	4.6	46
30	Electroorganic Synthesis and the Construction of Addressable Molecular Surfaces. <i>ChemElectroChem</i> , 2019, 6, 4134-4143.	1.7	8
31	Synthesis of 3-Formylindoles via Electrochemical Decarboxylation of Glyoxylic Acid with an Amine as a Dual Function Organocatalyst. <i>Organic Letters</i> , 2019, 21, 5862-5866.	2.4	37
32	Electrochemical oxidation induced selective tyrosine bioconjugation for the modification of biomolecules. <i>Chemical Science</i> , 2019, 10, 7982-7987.	3.7	79
33	Electrochemical Oxidative C(sp ²)-H Bond Selenylation of Activated Arenes. <i>European Journal of Organic Chemistry</i> , 2019, 2019, 6465-6469.	1.2	43
34	Cobalt-electrocatalyzed Oxidative C-H/N-H Activation with 1,3-Diynes by Electro-Removable Hydrazides. <i>Organic Letters</i> , 2019, 21, 6534-6538.	2.4	74
35	Atroposelective Arene Formation by Carbene-Catalyzed Formal [4+2] Cycloaddition. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 17625-17630.	7.2	96
36	Scalable Rhodium(III)-Catalyzed Aryl C-H Phosphorylation Enabled by Anodic Oxidation Induced Reductive Elimination. <i>Angewandte Chemie</i> , 2019, 131, 16926-16930.	1.6	35

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37	Practical and stereoselective electrocatalytic 1,2-diamination of alkenes. <i>Nature Communications</i> , 2019, 10, 4953.	5.8	100
38	Manganese-Catalyzed Electrochemical Deconstructive Chlorination of Cycloalkanols via Alkoxy Radicals. <i>Organic Letters</i> , 2019, 21, 9241-9246.	2.4	75
39	Electrochemistry-Enabled Ir-Catalyzed Vinylic C-H Functionalization. <i>Journal of the American Chemical Society</i> , 2019, 141, 18970-18976.	6.6	116
40	Atroposelective Arene Formation by Carbene-Catalyzed Formal [4+2] Cycloaddition. <i>Angewandte Chemie</i> , 2019, 131, 17789-17794.	1.6	30
41	Scalable Rhodium(III)-Catalyzed Aryl C-H Phosphorylation Enabled by Anodic Oxidation Induced Reductive Elimination. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 16770-16774.	7.2	111
42	Synthesis of 1,3-benzothiazines by intramolecular dehydrogenative C-S cross-coupling in a flow electrolysis cell. <i>Science China Chemistry</i> , 2019, 62, 1501-1503.	4.2	16
43	Electrochemical Arylation of Electron-Deficient Arenes through Reductive Activation. <i>Angewandte Chemie</i> , 2019, 131, 15894-15898.	1.6	12
44	Probing Intramolecular Electron Transfer in Redox Tag Processes. <i>Organic Letters</i> , 2019, 21, 8519-8522.	2.4	21
45	Electrochemically Enabled C3-Formylation and -Acylation of Indoles with Aldehydes. <i>Organic Letters</i> , 2019, 21, 7702-7707.	2.4	14
46	Efficient Electrocatalysis for the Preparation of (Hetero)aryl Chlorides and Vinyl Chloride with 1,2-Dichloroethane. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 4566-4570.	7.2	108
47	Electrochemical oxidation synergizing with Brønsted-acid catalysis leads to [4 + 2] annulation for the synthesis of pyrazines. <i>Green Chemistry</i> , 2019, 21, 765-769.	4.6	32
48	Efficient Electrocatalysis for the Preparation of (Hetero)aryl Chlorides and Vinyl Chloride with 1,2-Dichloroethane. <i>Angewandte Chemie</i> , 2019, 131, 4614-4618.	1.6	17
49	Formal Aza-Wacker Cyclization by Tandem Electrochemical Oxidation and Copper Catalysis. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 4700-4704.	7.2	55
50	Formal Aza-Wacker Cyclization by Tandem Electrochemical Oxidation and Copper Catalysis. <i>Angewandte Chemie</i> , 2019, 131, 4748-4752.	1.6	11
51	Paired Electrochemical Reactions and the On-Site Generation of a Chemical Reagent. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 3562-3565.	7.2	88
52	Electrochemical Synthesis of [1,2,3]Triazolo[1,5-a]pyridines through Dehydrogenative Cyclization. <i>ChemElectroChem</i> , 2019, 6, 4177-4179.	1.7	24
53	Electrochemical Radical Selenylation/1,2-Carbon Migration and Dowd-Beckwith-Type Ring-Expansion Sequences of Alkenylcyclobutanols. <i>Organic Letters</i> , 2019, 21, 1021-1025.	2.4	81
54	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.	6.6	126

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55	Electrochemical Difluoromethylation of Electron-Deficient Alkenes. <i>ChemSusChem</i> , 2019, 12, 3060-3063.	3.6	48
56	Electrochemical oxidative selenylation of imidazo[1,2-a]pyridines with diselenides. <i>Tetrahedron Letters</i> , 2019, 60, 739-742.	0.7	42
57	Electrochemical Synthesis of Fluorinated Orthoesters from 1,3-Benzodioxoles. <i>ChemistryOpen</i> , 2019, 8, 1167-1171.	0.9	14
58	Highly selective electrochemical hydrogenation of alkynes: Rapid construction of mechanochromic materials. <i>Science Advances</i> , 2019, 5, eaaw2774.	4.7	45
59	Organic Electrosynthesis: Applications in Complex Molecule Synthesis. <i>ChemElectroChem</i> , 2019, 6, 4067-4092.	1.7	143
60	Electrochemical, Manganese-Assisted Carbon-Carbon Bond Formation between α -Keto Esters and Silyl Enol Ethers. <i>Organic Letters</i> , 2019, 21, 5259-5263.	2.4	24
61	Electrochemical synthesis of enamines <i>via</i> a decarboxylative coupling reaction. <i>Green Chemistry</i> , 2019, 21, 3796-3801.	4.6	75
62	Anodic Cyclizations, Seven-Membered Rings, and the Choice of Radical Cation vs. Radical Pathways. <i>Chinese Journal of Chemistry</i> , 2019, 37, 672-678.	2.6	7
63	Electrochemical Synthesis of α -Bromoimidazo[1,2-a]pyridines Directly from α -Aminopyridines and α -Bromoketones. <i>ChemElectroChem</i> , 2019, 6, 2733-2736.	1.7	16
64	Elektrochemischer Durchlaufgenerator für hypervalente Iodreagenzien: Synthetische Anwendungen. <i>Angewandte Chemie</i> , 2019, 131, 9916-9920.	1.6	22
65	Reactions of Anodically Generated Methoxystilbene Cation Radicals: The Influence of Ortho-Substituted Vinyl and Formyl Groups. <i>Journal of Organic Chemistry</i> , 2019, 84, 7279-7290.	1.7	0
66	Concepts and tools for mechanism and selectivity analysis in synthetic organic electrochemistry. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019, 116, 11147-11152.	3.3	61
67	Continuous-Flow Electrochemical Generator of Hypervalent Iodine Reagents: Synthetic Applications. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 9811-9815.	7.2	106
68	Amide Synthesis from Thiocarboxylic Acids and Amines by Spontaneous Reaction and Electrosynthesis. <i>ChemSusChem</i> , 2019, 12, 2570-2575.	3.6	17
69	Electrochemical Radical Formyloxylation, Bromination, Chlorination, and Trifluoromethylation of Alkenes. <i>Organic Letters</i> , 2019, 21, 3167-3171.	2.4	70
70	Asymmetric Electrochemical Catalysis. <i>Chemistry - A European Journal</i> , 2019, 25, 10033-10044.	1.7	112
71	Continuous-Flow Electrosynthesis of Benzofused S-Heterocycles by Dehydrogenative C-S Cross-Coupling. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 6650-6653.	7.2	89
72	Resource Economy by Metallaelectrocatalysis: Merging Electrochemistry and C-H Activation. <i>Trends in Chemistry</i> , 2019, 1, 63-76.	4.4	174

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73	Recent Advances in Constructing Nitrogen-Containing Heterocycles via Electrochemical Dehydrogenation. <i>Chinese Journal of Chemistry</i> , 2019, 37, 513-528.	2.6	65
74	Electrochemical trifluoromethylation/semipinacol rearrangement sequences of alkenyl alcohols: synthesis of β -CF ₃ -substituted ketones. <i>Organic and Biomolecular Chemistry</i> , 2019, 17, 3319-3323.	1.5	42
75	Palladium-Catalyzed Electrochemical C-H Bromination Using NH ₄ Br as the Brominating Reagent. <i>Organic Letters</i> , 2019, 21, 2645-2649.	2.4	58
76	A diastereoselective approach to axially chiral biaryls via electrochemically enabled cyclization cascade. <i>Beilstein Journal of Organic Chemistry</i> , 2019, 15, 795-800.	1.3	12
77	Substitution Pattern-Selective Olefin Cross-Couplings. <i>ChemElectroChem</i> , 2019, 6, 4165-4168.	1.7	10
78	Electrochemical Decarboxylative Trifluoromethylation of α,β -Unsaturated Carboxylic Acids with CF ₃ SO ₂ Na. <i>ChemCatChem</i> , 2019, 11, 2350-2354.	1.8	24
79	Electrochemical C-H/N-H Oxidative Cross Coupling of Imidazopyridines with Diarylamines to Synthesize Triarylamine Derivatives. <i>ChemElectroChem</i> , 2019, 6, 4173-4176.	1.7	26
80	Direct Electrochemical Carboxylation of Benzylic C-N Bonds with Carbon Dioxide. <i>ACS Catalysis</i> , 2019, 9, 4699-4705.	5.5	98
81	A scalable electrochemical dehydrogenative cross-coupling of P(O)H compounds with RSH/ROH. <i>Chemical Communications</i> , 2019, 55, 4981-4984.	2.2	74
82	An Electrochemical Cinnamyl C-H Amination Reaction Using Carbonyl Sulfamate. <i>Chinese Journal of Chemistry</i> , 2019, 37, 570-574.	2.6	18
83	Electrochemical radical arylsulfonylation/semipinacol rearrangement sequences of alkenylcyclobutanols: Synthesis of β -sulfonated cyclic ketones. <i>Tetrahedron Letters</i> , 2019, 60, 1287-1290.	0.7	41
84	Continuous-Flow Electrosynthesis of Benzofused S-Heterocycles by Dehydrogenative C-S Cross-Coupling. <i>Angewandte Chemie</i> , 2019, 131, 6722-6725.	1.6	15
85	Fundamental Input of Analytical Electrochemistry in the Determination of Intermediates and Reaction Mechanisms in Electrosynthetic Processes. <i>ChemElectroChem</i> , 2019, 6, 4118-4125.	1.7	7
86	Recent Advances on the Electrochemical Difunctionalization of Alkenes/Alkynes. <i>Chinese Journal of Chemistry</i> , 2019, 37, 292-301.	2.6	122
87	Nickel-Catalyzed Thiolation of Aryl Halides and Heteroaryl Halides through Electrochemistry. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 5033-5037.	7.2	156
88	Electrochemical dehydrogenation of hydrazines to azo compounds. <i>Green Chemistry</i> , 2019, 21, 1680-1685.	4.6	30
89	Total Synthesis of (β)-Oxycodone via Anodic Aryl-Aryl Coupling. <i>Organic Letters</i> , 2019, 21, 1828-1831.	2.4	57
90	Stereoselective synthesis of sulfur-containing β -enaminonitrile derivatives through electrochemical Csp ³ -H bond oxidative functionalization of acetonitrile. <i>Nature Communications</i> , 2019, 10, 833.	5.8	59

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91	Metabolism Mimicry: An Electrosynthetic Method for the Selective Deethylation of Tertiary Benzamides. <i>ChemElectroChem</i> , 2019, 6, 4284-4291.	1.7	17
92	Nickel-Catalyzed Thiolation of Aryl Halides and Heteroaryl Halides through Electrochemistry. <i>Angewandte Chemie</i> , 2019, 131, 5087-5091.	1.6	40
93	Paired Electrochemical Reactions and the On-Site Generation of a Chemical Reagent. <i>Angewandte Chemie</i> , 2019, 131, 3600-3603.	1.6	35
94	Electrochemical Synthesis of <i>trans</i> -2,3-Disubstituted Aziridines via Oxidative Dehydrogenative Intramolecular C(sp ³)-H Amination. <i>Organic Letters</i> , 2019, 21, 9430-9433.	2.4	52
95	A review of asymmetric synthetic organic electrochemistry and electrocatalysis: concepts, applications, recent developments and future directions. <i>Beilstein Journal of Organic Chemistry</i> , 2019, 15, 2710-2746.	1.3	139
96	Exogenous-oxidant- and catalyst-free electrochemical deoxygenative C2 sulfonylation of quinoline <i>N</i> -oxides. <i>Chemical Communications</i> , 2019, 55, 13852-13855.	2.2	49
97	Chemistry with Electrochemically Generated N-Centered Radicals. <i>Accounts of Chemical Research</i> , 2019, 52, 3339-3350.	7.6	679
98	Electrochemically Enabled Double C-H Activation of Amides: Chemoselective Synthesis of Polycyclic Isoquinolinones. <i>Organic Letters</i> , 2019, 21, 9841-9845.	2.4	64
99	Catalyst-free electrochemical decarboxylative cross-coupling of <i>N</i> -hydroxyphthalimide esters and <i>N</i> -heteroarenes towards C(sp ³)-C(sp ²) bond formation. <i>Chemical Communications</i> , 2019, 55, 14922-14925.	2.2	53
100	Electrochemical Hydrogenation with Gaseous Ammonia. <i>Angewandte Chemie</i> , 2019, 131, 1773-1777.	1.6	30
101	Electrochemical Oxidative C(sp ³)-H/N-H Cross-Coupling for <i>N</i> -Mannich Bases with Hydrogen Evolution. <i>ChemSusChem</i> , 2019, 12, 3073-3077.	3.6	29
102	Electrochemical Fluorocyclization of <i>N</i> -Allylcarboxamides to 2-Oxazolines by Hypervalent Iodine Mediator. <i>Organic Letters</i> , 2019, 21, 242-245.	2.4	89
103	Electricity-driven asymmetric Lewis acid catalysis. <i>Nature Catalysis</i> , 2019, 2, 34-40.	16.1	122
104	Integration of metal-free ring-opening metathesis polymerization and organocatalyzed ring-opening polymerization through a bifunctional initiator. <i>Polymer Chemistry</i> , 2019, 10, 2975-2979.	1.9	20
105	Snapshot of Intramolecular Electron Transfer in Redox Tag-Guided [2 + 2] Cycloadditions. <i>Journal of Organic Chemistry</i> , 2019, 84, 1882-1886.	1.7	17
106	Electrochemical Dehydrogenative Phosphorylation of Alcohols for the Synthesis of Organophosphinates. <i>Journal of Organic Chemistry</i> , 2019, 84, 949-956.	1.7	47
107	Substrate-Dependent Electrochemical Dimethoxylation of Olefins. <i>Advanced Synthesis and Catalysis</i> , 2019, 361, 485-489.	2.1	40
108	Electrochemically Induced Intermolecular Cross-Dehydrogenative C=O Coupling of β^2 -Diketones and β^2 -Ketoesters with Carboxylic Acids. <i>Journal of Organic Chemistry</i> , 2019, 84, 1448-1460.	1.7	33

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109	Mn-catalyzed Electrochemical Synthesis of Quinazolinones from Primary Alcohols/Benzyl Ethers and Aminobenzamides. <i>ChemElectroChem</i> , 2019, 6, 4188-4193.	1.7	35
110	Electrochemical Hydrogenation with Gaseous Ammonia. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 1759-1763.	7.2	87
111	Cubane Electrochemistry: Direct Conversion of Cubane Carboxylic Acids to Alkoxy Cubanes Using the Hofmann-Moest Reaction under Flow Conditions. <i>Chemistry - A European Journal</i> , 2020, 26, 374-378.	1.7	34
112	Recent Advances in the Electrochemical Synthesis and Functionalization of Indole Derivatives. <i>Advanced Synthesis and Catalysis</i> , 2020, 362, 2102-2119.	2.1	75
113	Electrochemical Chalcogenation of Unsaturated Amides and Oximes to Corresponding Oxazolines and Isoxazolines. <i>Advanced Synthesis and Catalysis</i> , 2020, 362, 1046-1052.	2.1	62
114	Electrosynthesis Using Carboxylic Acid Derivatives: New Tricks for Old Reactions. <i>Accounts of Chemical Research</i> , 2020, 53, 121-134.	7.6	109
115	From Molecules to Molecular Surfaces. Exploiting the Interplay Between Organic Synthesis and Electrochemistry. <i>Accounts of Chemical Research</i> , 2020, 53, 135-143.	7.6	85
116	Cobalt-electrocatalyzed oxidative allene annulation by electro-removable hydrazides. <i>Chemical Communications</i> , 2020, 56, 1393-1396.	2.2	49
117	Anodic Oxidation for the Stereoselective Synthesis of Heterocycles. <i>Accounts of Chemical Research</i> , 2020, 53, 105-120.	7.6	163
118	Metalla-electrocatalyzed C-H Activation by Earth-Abundant 3d Metals and Beyond. <i>Accounts of Chemical Research</i> , 2020, 53, 84-104.	7.6	431
119	Electrochemically Enabled Intramolecular Aminooxygenation of Alkynes via Amidyl Radical Cyclization. <i>Chinese Journal of Chemistry</i> , 2020, 38, 394-398.	2.6	37
120	2,3-Dicyano-5,6-dichlorobenzoquinone-Mediated and Selective C=O and C=C Cross-Couplings of Phenols and Porphyrins. <i>Organic Letters</i> , 2020, 22, 300-304.	2.4	7
121	Recent Advances in Electrochemical Oxidative Cross-Coupling of Alkenes with H ₂ Evolution. <i>ChemCatChem</i> , 2020, 12, 27-40.	1.8	55
122	Electrochemical-Induced Ring Transformation of Cyclic ortho-halodophenyl oxoesters. <i>Chemistry - A European Journal</i> , 2020, 26, 3222-3225.	1.7	12
123	Electrochemical Synthesis of Hindered Primary and Secondary Amines via Proton-Coupled Electron Transfer. <i>Journal of the American Chemical Society</i> , 2020, 142, 468-478.	6.6	86
124	Nickel-catalyzed Electrochemical Reductive Relay Cross-Coupling of Alkyl Halides to Aryl Halides. <i>Angewandte Chemie</i> , 2020, 132, 6582-6586.	1.6	34
125	A Survival Guide for the "Electro-curious". <i>Accounts of Chemical Research</i> , 2020, 53, 72-83.	7.6	431
126	Elektrochemischer Zugang zu aza-polycyclischen aromatischen Kohlenwasserstoffen: Rhoda-elektrokatalytische Domino-Alkin-Anellierungen. <i>Angewandte Chemie</i> , 2020, 132, 5596-5601.	1.6	17

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127	Electrochemical Access to Aza α -Polycyclic Aromatic Hydrocarbons: Rhoda α -Electrocatalyzed Domino Alkyne Annulations. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 5551-5556.	7.2	72
128	Nickel α -Catalyzed Electrochemical Reductive Relay Cross α -Coupling of Alkyl Halides to Aryl Halides. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 6520-6524.	7.2	159
129	Zusammenwirken von Rutheniumkatalysatoren und elektrokatalytisch generierten, hypervalenten Iodreagenzien für die C α -H α -Oxygenierung. <i>Angewandte Chemie</i> , 2020, 132, 3210-3215.	1.6	28
130	C α -H Oxygenation Reactions Enabled by Dual Catalysis with Electrogenerated Hypervalent Iodine Species and Ruthenium Complexes. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 3184-3189.	7.2	83
131	Electrochemical one-pot synthesis of five-membered azaheterocycles via [4 + 1] cyclization. <i>Organic Chemistry Frontiers</i> , 2020, 7, 3912-3917.	2.3	10
132	Powering the Future: How Can Electrochemistry Make a Difference in Organic Synthesis?. <i>CheM</i> , 2020, 6, 2484-2496.	5.8	270
133	Probing the versatility of metallo-electro hybrid catalysis: enabling access towards facile C α -N bond formation. <i>Organic and Biomolecular Chemistry</i> , 2020, 18, 8994-9017.	1.5	12
134	Enantiospecific electrochemical rearrangement for the synthesis of hindered triazolopyridinone derivatives. <i>Nature Communications</i> , 2020, 11, 3628.	5.8	26
135	New Redox Strategies in Organic Synthesis by Means of Electrochemistry and Photochemistry. <i>ACS Central Science</i> , 2020, 6, 1317-1340.	5.3	270
136	Electrochemical α -methoxymethylation and aminomethylation of propiophenones using methanol as a green C1 source. <i>Organic Chemistry Frontiers</i> , 2020, 7, 2399-2404.	2.3	13
137	Electrochemical Iodoamination of Indoles Using Unactivated Amines. <i>Organic Letters</i> , 2020, 22, 9184-9189.	2.4	15
138	Electrochemical Synthesis of Dimeric 2-Oxindole Sharing Vicinal Quaternary Centers Employing Proton-Coupled Electron Transfer. <i>Journal of Organic Chemistry</i> , 2020, 85, 14926-14936.	1.7	14
139	Recent Advances in Asymmetric Catalytic Electrosynthesis. <i>Catalysts</i> , 2020, 10, 982.	1.6	30
140	Nickel-catalyzed enantioselective electroreductive cross-couplings. <i>Organic Chemistry Frontiers</i> , 2020, 7, 3262-3265.	2.3	11
141	Electrochemical sulfonylation of alkenes with sulfonyl hydrazides: a metal- and oxidant-free protocol for the synthesis of α -vinyl sulfones in water. <i>RSC Advances</i> , 2020, 10, 33155-33160.	1.7	23
142	A Perspective on Organic Electrochemistry. <i>Journal of Organic Chemistry</i> , 2020, 85, 13375-13390.	1.7	101
143	Electrochemical asymmetric synthesis of biologically active substances. <i>Organic and Biomolecular Chemistry</i> , 2020, 18, 7026-7055.	1.5	19
144	The continuous-flow electrosynthesis of 4-(sulfonylmethyl)isoquinoline-1,3-diones from α -alkyl- α -methacryloyl benzamides under metal-free and oxidant-free conditions. <i>Organic Chemistry Frontiers</i> , 2020, 7, 3223-3228.	2.3	22

#	ARTICLE	IF	CITATIONS
145	Electrochemical esterification reaction of alkynes with diols <i>via</i> cleavage of carbon-carbon triple bonds without catalyst and oxidant. <i>Green Chemistry</i> , 2020, 22, 6783-6791.	4.6	13
146	Direct electrochemical defluorinative carboxylation of CF_3 alkenes with carbon dioxide. <i>Chemical Science</i> , 2020, 11, 10414-10420.	3.7	83
147	Electrosynthesis of polycyclic quinazolinones and rutaecarpine from isatoic anhydrides and cyclic amines. <i>RSC Advances</i> , 2020, 10, 44382-44386.	1.7	17
148	Chemistry of electrochemical oxidative reactions of sulfinate salts. <i>Green Chemistry</i> , 2020, 22, 3028-3059.	4.6	63
149	Electrochemical oxidative C(sp ³)-H azolation of lactams under mild conditions. <i>Green Chemistry</i> , 2020, 22, 3742-3747.	4.6	47
150	Nickel-Catalyzed Electrosynthesis of Aryl and Vinyl Phosphinates. <i>European Journal of Organic Chemistry</i> , 2020, 2020, 3452-3455.	1.2	19
151	Unveiling the Nucleation Dynamics and Growth Mechanism of Layered MoS ₂ from Crystalline K ₂ MoS ₄ by in Situ Transmission Electron Microscopy. <i>Crystal Growth and Design</i> , 2020, 20, 4069-4076.	1.4	7
152	Cu II /TEMPO-Catalyzed Enantioselective C(sp ³)-H Alkynylation of Tertiary Cyclic Amines through Shono-Type Oxidation. <i>Angewandte Chemie</i> , 2020, 132, 15366-15371.	1.6	26
153	Cu ^{II} /TEMPO-Catalyzed Enantioselective C(sp ³)-H Alkynylation of Tertiary Cyclic Amines through Shono-Type Oxidation. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 15254-15259.	7.2	109
154	Chemical-Reductant-Free Electrochemical Deuteration Reaction using Deuterium Oxide. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 13962-13967.	7.2	99
155	Cobalt-Electrocatalyzed C-H Allylation with Unactivated Alkenes. <i>ACS Catalysis</i> , 2020, 10, 6457-6462.	5.5	48
156	Electrochemical dehydrogenative cross-coupling of xanthenes with ketones. <i>Chemical Communications</i> , 2020, 56, 7585-7588.	2.2	45
157	Scalable Photoelectrochemical Dehydrogenative Cross-Coupling of Heteroarenes with Aliphatic C-H Bonds. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 14275-14280.	7.2	179
158	Electrochemical oxidation-induced etherification via C(sp ³)-H/O-H cross-coupling. <i>Science Advances</i> , 2020, 6, eaaz0590.	4.7	51
159	Making electrochemistry easily accessible to the synthetic chemist. <i>Green Chemistry</i> , 2020, 22, 3358-3375.	4.6	176
160	Mn-Catalyzed Electrochemical Radical Cascade Cyclization toward the Synthesis of Benzo[4,5]imidazo[2,1- <i>a</i>]isoquinolin-6(5 <i>H</i>)-one Derivatives. <i>ACS Catalysis</i> , 2020, 10, 6676-6681.	5.5	115
161	Recent advances in photoelectrochemical cells (PECs) for organic synthesis. <i>Organic Chemistry Frontiers</i> , 2020, 7, 1895-1902.	2.3	67
162	Anodic Oxidation as an Enabling Tool for the Synthesis of Natural Products. <i>Synthesis</i> , 2020, 52, 2781-2794.	1.2	13

#	ARTICLE	IF	CITATIONS
163	Chemoselective Electrochemical Hydrogenation of Ketones and Aldehydes with a Well-Defined Base-Metal Catalyst. <i>Chemistry - A European Journal</i> , 2020, 26, 14137-14143.	1.7	25
164	Scalable Photoelectrochemical Dehydrogenative Cross-Coupling of Heteroarenes with Aliphatic C-H Bonds. <i>Angewandte Chemie</i> , 2020, 132, 14381-14386.	1.6	28
165	Chemical-Reductant-Free Electrochemical Deuteration Reaction using Deuterium Oxide. <i>Angewandte Chemie</i> , 2020, 132, 14066-14071.	1.6	20
166	A Continuous Flow Cell for High-Temperature/High-Pressure Electroorganic Synthesis. <i>ChemElectroChem</i> , 2020, 7, 2777-2783.	1.7	9
167	Electrochemical Formation of Cinnamaldehyde by the Electrolyte System N,N-Diisopropylethylamine and 1,1,1,3,3,3-Hexafluoropropan-2-ol. <i>ChemElectroChem</i> , 2020, 7, 1619-1622.	1.7	5
168	Recent progress in (hetero)arene cation radical-based heteroarene modification. <i>Organic and Biomolecular Chemistry</i> , 2020, 18, 2975-2990.	1.5	15
169	Insights into Cobalt(III/IV/II)-Electrocatalysis: Oxidation-Induced Reductive Elimination for Twofold C-H Activation. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 10955-10960.	7.2	65
170	Electrochemical nickel-catalyzed Migita cross-coupling of 1-thiosugars with aryl, alkenyl and alkynyl bromides. <i>Chemical Communications</i> , 2020, 56, 4464-4467.	2.2	25
171	Mechanistische Studien zu Cobalt(III/IV/II)-Elektrokatalyse: Oxidativ-induzierte reduktive Eliminierung zur zweifachen C-H-Aktivierung. <i>Angewandte Chemie</i> , 2020, 132, 11048-11053.	1.6	16
172	Electrophotocatalytic Decarboxylative C-H Functionalization of Heteroarenes. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 10626-10632.	7.2	161
173	Electrophotocatalytic Decarboxylative C-H Functionalization of Heteroarenes. <i>Angewandte Chemie</i> , 2020, 132, 10713-10719.	1.6	30
174	Enantioselective Palladium-Electrocatalyzed C-H Activation by Transient Directing Groups: Expedient Access to Helicenes. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 13451-13457.	7.2	177
175	An Electrochemical Flow-Through Cell for Rapid Reactions. <i>Industrial & Engineering Chemistry Research</i> , 2020, 59, 7321-7326.	1.8	12
176	Halogen-mediated electrochemical organic synthesis. <i>Organic and Biomolecular Chemistry</i> , 2020, 18, 5315-5333.	1.5	98
177	Organic electrochemistry: Anodic construction of heterocyclic structures. <i>Current Opinion in Electrochemistry</i> , 2020, 24, 31-43.	2.5	19
178	Catalyzing Electrosynthesis: A Homogeneous Electrocatalytic Approach to Reaction Discovery. <i>Accounts of Chemical Research</i> , 2020, 53, 547-560.	7.6	460
179	General C(sp ²)-C(sp ³) Cross-Electrophile Coupling Reactions Enabled by Overcharge Protection of Homogeneous Electrocatalysts. <i>Journal of the American Chemical Society</i> , 2020, 142, 5884-5893.	6.6	103
180	Electrochemical Oxidation of Organic Molecules at Lower Overpotential: Accessing Broader Functional Group Compatibility with Electron-Proton Transfer Mediators. <i>Accounts of Chemical Research</i> , 2020, 53, 561-574.	7.6	347

#	ARTICLE	IF	CITATIONS
181	Reductive Electrophotocatalysis: Merging Electricity and Light To Achieve Extreme Reduction Potentials. <i>Journal of the American Chemical Society</i> , 2020, 142, 2087-2092.	6.6	263
182	Potent Reductants via Electron-Primed Photoredox Catalysis: Unlocking Aryl Chlorides for Radical Coupling. <i>Journal of the American Chemical Society</i> , 2020, 142, 2093-2099.	6.6	224
183	The synthesis of sulfonated 4 <i>H</i> -3,1-benzoxazines via an electro-chemical radical cascade cyclization. <i>Chemical Communications</i> , 2020, 56, 2735-2738.	2.2	36
184	Electrochemical oxidative iodination of imidazo[1,2- <i>a</i>]pyridines using NaI as iodine source. <i>Synthetic Communications</i> , 2020, 50, 710-718.	1.1	28
185	Electrochemical Oxidative Phosphorylation of Aldehyde Hydrazones. <i>Organic Letters</i> , 2020, 22, 4016-4020.	2.4	36
186	Enantioselektive Palladaelektrokatalysierte Aktivierung durch transiente dirigierende Gruppen: Ein neuer Zugang zu Helicenen. <i>Angewandte Chemie</i> , 2020, 132, 13553-13559.	1.6	42
187	Radical-Cation Vinylcyclopropane Rearrangements by TiO ₂ Photocatalysis. <i>Journal of Organic Chemistry</i> , 2020, 85, 6551-6566.	1.7	28
188	Electroreductive 4-Pyridylation of Electron-deficient Alkenes with Assistance of Ni(acac) ₂ . <i>Organic Letters</i> , 2020, 22, 3570-3575.	2.4	43
189	Electrochemical oxidative aminocarbonylation of terminal alkynes. <i>Nature Catalysis</i> , 2020, 3, 438-445.	16.1	75
190	An electrochemical oxidative multicomponent cascade annulation of ketones and amines used to produce imidazoles. <i>Green Chemistry</i> , 2020, 22, 3416-3420.	4.6	39
191	Electrochemically Oxidative Coupling of S-H/S-H for S-S Bond Formation: A Facile Approach to Diacid disulfides. <i>ChemistrySelect</i> , 2020, 5, 4637-4641.	0.7	6
192	Electrochemical Dearomative Halocyclization of Tryptamine and Tryptophol Derivatives. <i>Chinese Journal of Chemistry</i> , 2020, 38, 1070-1074.	2.6	37
193	Cobalt electro-catalyzed C-H activation for resource-economical molecular syntheses. <i>Nature Protocols</i> , 2020, 15, 1760-1774.	5.5	19
194	Electrochemical Oxidation Induced Selective C-C Bond Cleavage. <i>Chemical Reviews</i> , 2021, 121, 485-505.	23.0	251
195	Selective Electrochemical Hydrolysis of Hydrosilanes to Silanols via Anodically Generated Silyl Cations. <i>Angewandte Chemie</i> , 2021, 133, 1867-1872.	1.6	13
196	Site-Selective Electrochemical Benzylic C-H Amination. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 2943-2947.	7.2	123
197	Electrochemically Tuned Oxidative [4+2] Annulation and Dioxygenation of Olefins with Hydroxamic Acids. <i>Angewandte Chemie</i> , 2021, 133, 3219-3225.	1.6	10
198	Selective Electrochemical Hydrolysis of Hydrosilanes to Silanols via Anodically Generated Silyl Cations. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 1839-1844.	7.2	60

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199	Electrochemically Tuned Oxidative [4+2] Annulation and Dioxygenation of Olefins with Hydroxamic Acids. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 3182-3188.	7.2	26
200	Iodonium Cation-Pool Electrolysis for the Three-Component Synthesis of 1,3-Oxazoles. <i>Chemistry - A European Journal</i> , 2021, 27, 605-608.	1.7	19
201	Recent Advances in Metal-Catalyzed, Electrochemical Coupling Reactions of sp ² Halides/Boronic Acids and sp ³ Centers. <i>Synthesis</i> , 2021, 53, 879-888.	1.2	9
202	Electrocatalytic redox neutral [3 + 2] annulation of <i>N</i> -cyclopropylanilines and alkenes. <i>Chemical Science</i> , 2021, 12, 969-975.	3.7	22
203	Electrochemical Oxidative Functionalization of Arylalkynes: Access to β,β -Dibromo Aryl Ketones. <i>Advanced Synthesis and Catalysis</i> , 2021, 363, 1022-1027.	2.1	18
204	Access to 10-Phenanthrenols via Electrochemical C-H Arylation. <i>Advanced Synthesis and Catalysis</i> , 2021, 363, 1120-1125.	2.1	16
205	Site-Selective Electrochemical Benzylic C-H Amination. <i>Angewandte Chemie</i> , 2021, 133, 2979-2983.	1.6	81
206	Electrochemical synthesis of 3-azido-indolines from amino-azidation of alkenes. <i>Chinese Chemical Letters</i> , 2021, 32, 1033-1036.	4.8	29
207	Electrochemical Approaches for Preparation of Tailor-Made Amino Acids. <i>Chinese Journal of Organic Chemistry</i> , 2021, 41, 3034.	0.6	4
208	Electrooxidative dearomatization of biaryls: synthesis of tri- and difluoromethylated spiro[5.5]trienones. <i>Chemical Science</i> , 2021, 12, 10092-10096.	3.7	60
209	Green strategies for transition metal-catalyzed C-H activation in molecular syntheses. <i>Organic Chemistry Frontiers</i> , 2021, 8, 4886-4913.	2.3	59
210	Electrochemically driven stereoselective approach to <i>syn</i> -1,2-diol derivatives from vinylarenes and DMF. <i>Chemical Science</i> , 2021, 12, 5892-5897.	3.7	29
211	Electrosynthesis of sulfonamides from DMSO and amines under mild conditions. <i>Chemical Communications</i> , 2021, 57, 3579-3582.	2.2	14
212	Electrochemical-mediated fixation of CO ₂ : three-component synthesis of carbamate compounds from CO ₂ , amines and <i>N</i> -alkenylsulfonamides. <i>Green Chemistry</i> , 2021, 23, 4328-4332.	4.6	25
213	Oxidase reactions in photoredox catalysis. <i>Chemical Society Reviews</i> , 2021, 50, 2954-2967.	18.7	80
214	Energy-, time-, and labor-saving synthesis of β -ketiminophosphonates: machine-learning-assisted simultaneous multiparameter screening for electrochemical oxidation. <i>Green Chemistry</i> , 2021, 23, 5825-5831.	4.6	18
215	Chemoselective electrochemical reduction of nitroarenes with gaseous ammonia. <i>Organic and Biomolecular Chemistry</i> , 2021, 19, 2468-2472.	1.5	14
216	Regioselective intramolecular sp ² C-H amination: direct vs. mediated electrooxidation. <i>Organic Chemistry Frontiers</i> , 2021, 8, 1581-1586.	2.3	18

#	ARTICLE	IF	CITATIONS
217	Aryl-Iodide-Mediated Electrochemical Aziridination of Electron-Deficient Alkenes. <i>Chinese Journal of Organic Chemistry</i> , 2021, 41, 4014.	0.6	6
218	Electrochemically induced nickel catalysis for oxygenation reactions with water. <i>Nature Catalysis</i> , 2021, 4, 116-123.	16.1	65
219	Electrochemical Arylation of Aldehydes, Ketones, and Alcohols: from Cathodic Reduction to Convergent Paired Electrolysis. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 7275-7282.	7.2	100
220	Electrochemical Thiolation and Borylation of Arylazo Sulfones with Thiols and B_{2pin_2} . <i>Advanced Synthesis and Catalysis</i> , 2021, 363, 1904-1911.	2.1	17
221	Electroreductive Nickel-Catalyzed Thiolation: Efficient Cross-Electrophile Coupling for $C\text{-}S$ Formation. <i>Chemistry - A European Journal</i> , 2021, 27, 4883-4887.	1.7	33
222	Electrochemically Enabled Selenium Catalytic Synthesis of 2,1-Benzoxazoles from <i>o</i> -Nitrophenylacetylenes. <i>Journal of Organic Chemistry</i> , 2021, 86, 16121-16127.	1.7	22
223	Electrochemical Synthesis of Benzimidazoles via Dehydrogenative Cyclization of Amidines. <i>ChemSusChem</i> , 2021, 14, 1692-1695.	3.6	18
224	Electrochemical Insight into Mechanisms and Metallocyclic Intermediates of $C\text{-}H$ Functionalization. <i>Chemical Record</i> , 2021, 21, 2148-2163.	2.9	11
225	Electrochemical Arylation of Aldehydes, Ketones, and Alcohols: from Cathodic Reduction to Convergent Paired Electrolysis. <i>Angewandte Chemie</i> , 2021, 133, 7351-7358.	1.6	17
226	Single-Atom Catalysts: A Sustainable Pathway for the Advanced Catalytic Applications. <i>Small</i> , 2021, 17, e2006473.	5.2	135
227	Electrochemically Driven Radical Reactions: From Direct Electrolysis to Molecular Catalysis. <i>Chemical Record</i> , 2021, 21, 2306-2319.	2.9	57
228	Electrochemical generation of nitrogen-centered radicals for organic synthesis. <i>Green Synthesis and Catalysis</i> , 2021, 2, 165-178.	3.7	130
229	Electrochemical esterification via oxidative coupling of aldehydes and alcohols. <i>Tetrahedron Letters</i> , 2021, 68, 152898.	0.7	3
230	Synthetic Semiconductor Photoelectrochemistry. <i>Chemical Record</i> , 2021, 21, 2223-2238.	2.9	17
231	Indirect Electrosynthesis with Halogen Ions as Mediators. <i>Chemical Record</i> , 2021, 21, 2290-2305.	2.9	39
232	Shono-Type Oxidation for Functionalization of N -Heterocycles. <i>Chemical Record</i> , 2021, 21, 2239-2253.	2.9	17
233	Electrochemical and Photocatalytic Oxidative Coupling of Ketones via Silyl Bis-enol Ethers. <i>Journal of Organic Chemistry</i> , 2021, 86, 6600-6611.	1.7	9
234	One-Pot Synthesis of Tertiary Amides from Organic Trichlorides through Oxygen Atom Incorporation from Air by Convergent Paired Electrolysis. <i>Journal of Organic Chemistry</i> , 2021, 86, 5983-5990.	1.7	20

#	ARTICLE	IF	CITATIONS
235	Chlorination Reaction of Aromatic Compounds and Unsaturated Carbon–Carbon Bonds with Chlorine on Demand. <i>Organic Letters</i> , 2021, 23, 3015-3020.	2.4	32
236	Mediator-Enabled Electrocatalysis with Ligandless Copper for Anaerobic Chan–Lam Coupling Reactions. <i>Journal of the American Chemical Society</i> , 2021, 143, 6257-6265.	6.6	44
237	Electrochemical Generation of <i>N</i> -Heterocyclic Carbenes for Use in Synthesis and Catalysis. <i>Advanced Synthesis and Catalysis</i> , 2021, 363, 3189-3200.	2.1	15
238	Catalyst- and Reagent-Free Formal Aza-Wacker Cyclizations Enabled by Continuous-Flow Electrochemistry. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 11237-11241.	7.2	47
239	From Bench to Plant: An Opportunity for Transition Metal Paired Electrocatalysis. <i>Organic Process Research and Development</i> , 2021, 25, 2581-2586.	1.3	24
240	Catalyst- and Reagent-Free Formal Aza-Wacker Cyclizations Enabled by Continuous-Flow Electrochemistry. <i>Angewandte Chemie</i> , 2021, 133, 11337-11341.	1.6	2
241	Reaching the Full Potential of Electroorganic Synthesis by Paired Electrolysis. <i>Chemical Record</i> , 2021, 21, 2574-2584.	2.9	44
242	Evolution of Earth-Abundant $3d$ -Metal Electro-Catalyzed $C\text{-}H$ Activation: From Chelation Assistance to $C\text{-}H$ Functionalization without Directing Groups. <i>Chemical Record</i> , 2021, 21, 2430-2441.	2.9	12
243	Electrochemical $C\text{-}C$ bond cleavage of cyclopropanes towards the synthesis of 1,3-difunctionalized molecules. <i>Nature Communications</i> , 2021, 12, 3075.	5.8	54
244	Organic Electrochemistry: Expanding the Scope of Paired Reactions. <i>Angewandte Chemie</i> , 2021, 133, 12993-13000.	1.6	5
245	Electrochemical Tandem Cyclization of Unsaturated Oximes with Diselenides: A General Approach to Seleno Isoxazolines Derivatives with Quaternary Carbon Center. <i>European Journal of Organic Chemistry</i> , 2021, 2021, 2431-2435.	1.2	17
246	Metal-Free Organic Frameworks for Photo/Electrocatalysis. <i>Advanced Energy and Sustainability Research</i> , 2021, 2, 2100033.	2.8	123
247	Electrophotocatalytic Acetoxyhydroxylation of Aryl Olefins. <i>Journal of the American Chemical Society</i> , 2021, 143, 7247-7252.	6.6	77
248	Organic Electrochemistry: Expanding the Scope of Paired Reactions. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 12883-12890.	7.2	44
249	Aziridine synthesis by coupling amines and alkenes via an electrogenerated dication. <i>Nature</i> , 2021, 596, 74-79.	13.7	82
250	Electrochemical Synthesis of Organic Polysulfides from Disulfides by Sulfur Insertion from S_{x8} and an Unexpected Solvent Effect on the Product Distribution. <i>Chemistry - A European Journal</i> , 2021, 27, 11141-11149.	1.7	6
251	Tailored cobalt-salen complexes enable electrocatalytic intramolecular allylic $C\text{-}H$ functionalizations. <i>Nature Communications</i> , 2021, 12, 3745.	5.8	44
252	Electrochemical Synthesis of Cyanoforamides from Trichloroacetonitrile and Secondary Amines Mediated by the B12 Derivative. <i>Journal of Organic Chemistry</i> , 2021, 86, 16134-16143.	1.7	8

#	ARTICLE	IF	CITATIONS
253	Electrophotocatalytic Siâ€H Activation Governed by Polarity-Matching Effects. <i>CCS Chemistry</i> , 2022, 4, 1796-1805.	4.6	50
254	Microelectrode Arrays, Dihydroxylation, and the Development of an Orthogonal Safety-Catch Linker. <i>Organic Letters</i> , 2021, 23, 5440-5444.	2.4	4
255	Catalyst-free, direct electrochemical trifluoromethylation/cyclization of N-arylacrylamides using TfNHNHBoc as a CF ₃ source. <i>Chinese Chemical Letters</i> , 2022, 33, 221-224.	4.8	19
256	Bioinspired Electrolysis for Green Molecular Transformations of Organic Halides Catalyzed by B ₁₂ Complex. <i>Chemical Record</i> , 2021, 21, 2080-2094.	2.9	10
257	Anodic Olefin Coupling Reactions: Elucidating Radical Cation Mechanisms and the Interplay between Cyclization and Second Oxidation Steps. <i>Chemical Record</i> , 2021, 21, 2442-2452.	2.9	5
259	Manganese-catalyzed chlorosulfonylation of terminal alkene and alkyne via convergent paired electrolysis. <i>Cell Reports Physical Science</i> , 2021, 2, 100476.	2.8	25
260	Cathodic Corrosion of Metal Electrodesâ€”How to Prevent It in Electroorganic Synthesis. <i>Chemical Reviews</i> , 2021, 121, 10241-10270.	23.0	83
261	Electrodimerization of <i>N</i> -Alkoxyamides for the Synthesis of Hydrazines. <i>Journal of Organic Chemistry</i> , 2021, 86, 16068-16076.	1.7	8
262	Electrochemical ODI-[5+2] Cascade for the Syntheses of Diversely Functionalized Bicyclo[3.2.1]octane Frameworks. <i>Organic Letters</i> , 2021, 23, 6745-6749.	2.4	2
263	Application of an Electrochemical Microflow Reactor for Cyanosilylation: Machine Learning-Assisted Exploration of Suitable Reaction Conditions for Semi-Large-Scale Synthesis. <i>Journal of Organic Chemistry</i> , 2021, 86, 16035-16044.	1.7	19
264	Electrochemical Enabled Cascade Phosphorylation of NâˆH/OâˆH/SâˆH Bonds with PâˆH Compounds: An Efficient Access to P(O)âˆ Bonds. <i>Chemistry - A European Journal</i> , 2021, 27, 14931-14935.	1.7	15
265	Tunable System for Electrochemical Reduction of Ketones and Phthalimides. <i>Chinese Journal of Chemistry</i> , 2021, 39, 3297-3302.	2.6	19
266	Asymmetric electrosynthesis: Recent advances in catalytic transformations. <i>Current Opinion in Electrochemistry</i> , 2021, 28, 100714.	2.5	11
267	Rhodaelectro-catalyzed access to chromones via formyl Câ€H activation towards peptide electro-labeling. <i>Nature Communications</i> , 2021, 12, 4736.	5.8	36
268	Desulfonylative Electrocarboxylation with Carbon Dioxide. <i>Journal of Organic Chemistry</i> , 2021, 86, 16162-16170.	1.7	34
269	High-Throughput Electrochemistry: State of the Art, Challenges, and Perspective. <i>Organic Process Research and Development</i> , 2021, 25, 2587-2600.	1.3	27
270	Electrochemical Borylation of Alkyl Halides: Fast, Scalable Access to Alkyl Boronic Esters. <i>Journal of the American Chemical Society</i> , 2021, 143, 12985-12991.	6.6	65
271	Electrochemical Reductive Arylation of Nitroarenes with Arylboronic Acids. <i>ChemSusChem</i> , 2021, 14, 5399-5404.	3.6	17

#	ARTICLE	IF	CITATIONS
272	Optimization Strategies for the Anodic Phenolâ€Arene Crossâ€Coupling Reaction. ChemElectroChem, 2021, 8, 3904-3910.	1.7	17
273	In situ structural reconstruction of NiMo alloy as a versatile organic oxidation electrode for boosting hydrogen production. Rare Metals, 2022, 41, 836-843.	3.6	15
274	Electrochemical (3A+ 2) cyclization between amides and olefins. Chem Catalysis, 2021, 1, 1055-1064.	2.9	12
275	Electrochemical Nitration with Nitrite. ChemSusChem, 2021, 14, 4936-4940.	3.6	21
276	Discovery of a tetraarylhydrazine catalyst for electrocatalytic synthesis of imidazo-fused N-heteroaromatic compounds. Organic and Biomolecular Chemistry, 2021, 19, 8789-8793.	1.5	8
277	Electrocatalysis as an enabling technology for organic synthesis. Chemical Society Reviews, 2021, 50, 7941-8002.	18.7	534
278	Electrosynthesis of functionalized tetrahydrocarbazoles<i>via</i> sulfonation triggered cyclization reaction of indole derivatives. Green Chemistry, 2021, 23, 3256-3260.	4.6	19
279	Prediction of the standard potentials for one-electron oxidation of<i>N</i>,<i>N</i>,<i>N</i>â€²,<i>N</i>â€² tetrasubstituted<i>p</i>-phenylenediamines by calculation. Physical Chemistry Chemical Physics, 2021, 23, 20340-20351.	1.3	3
280	Biphasic electrochemical peptide synthesis. Chemical Science, 2021, 12, 12911-12917.	3.7	27
281	Rhodaelectro-catalyzed chemo-divergent Câ€H activations with alkylidenecyclopropanes for selective cyclopropylations. Chemical Communications, 2021, 57, 3668-3671.	2.2	17
282	Electrochemical Oxidative Arylsulfonylation and 1,<sc>2â€Alkyl</sc> Shift Sequences of Alkenyl Cyclobutanols for the Synthesis of <sc>1â€Sulfonated</sc> Cyclopentanones. Bulletin of the Korean Chemical Society, 2021, 42, 510-513.	1.0	16
283	Electrochemical Synthesis of Spiro[4.5]trienones through Radicalâ€Initiated Dearomative Spirocyclization. ChemSusChem, 2020, 13, 2053-2059.	3.6	69
284	Electrochemistry under Flow Conditions. RSC Green Chemistry, 2019, , 153-198.	0.0	4
285	EC-Backward-E Electrochemistry in Radical Cation Diels-Alder Reactions. Journal of the Electrochemical Society, 2020, 167, 155518.	1.3	11
286	Using a Combination of Electrochemical and Photoelectron Transfer Reactions to Gain New Insights into Oxidative Cyclization Reactions. Journal of the Electrochemical Society, 2020, 167, 155520.	1.3	4
287	Mechanistic Studies on TiO₂ Photoelectrochemical Radical Cation [2 + 2] Cycloadditions. Journal of the Electrochemical Society, 2020, 167, 155529.	1.3	9
288	Does electrifying organic synthesis pay off? The energy efficiency of electro-organic conversions. MRS Energy & Sustainability, 2020, 7, 1.	1.3	58
289	Redox-Neutral Radical-Cation Reactions: Multiple Carbonâ€Carbon Bond Formations Enabled by Single-Electron Transfer. Electrochemistry, 2020, 88, 497-506.	0.6	12

#	ARTICLE	IF	CITATIONS
290	Recent Advances in the Oxidative Coupling Reaction of Enol Derivatives. Chinese Journal of Organic Chemistry, 2021, 41, 3414.	0.6	5
291	Enantioselective palladaelectro-catalyzed C α -H olefinations and allylations for N α -C axial chirality. Chemical Science, 2021, 12, 14182-14188.	3.7	52
292	Anodic substitution reaction of carbamates in a flow microreactor using a stable emulsion solution. Reaction Chemistry and Engineering, 2021, 6, 2024-2028.	1.9	3
293	Electrochemical metal- and oxidant-free synthesis of S-thiocarbamates. Organic and Biomolecular Chemistry, 2021, 19, 9491-9500.	1.5	10
294	Oxidative electro-organic synthesis of dimeric hexahydropyrrolo-[2,3- <i>b</i>]indole alkaloids involving PCET: total synthesis of (\pm)-folicanthine. Organic and Biomolecular Chemistry, 2021, 19, 9390-9395.	1.5	6
295	Electrochemistry enabled selective vicinal fluorosulfonylation and fluorosulfoxidation of alkenes. Chinese Chemical Letters, 2022, 33, 2009-2014.	4.8	23
296	Metal-Free Hydropyridylation of Thioester-Activated Alkenes via Electroreductive Radical Coupling. Journal of Organic Chemistry, 2021, 86, 16204-16212.	1.7	20
297	The interface is a tunable dimension in electricity-driven organic synthesis. Natural Sciences, 2021, 1, e20210036.	1.0	2
298	Capitalizing on Mediated Electrolyses for the Construction of Complex, Addressable Molecular Surfaces. Journal of Organic Chemistry, 2021, 86, 15847-15865.	1.7	4
299	Redox Tag-Guided Radical Cation Cycloadditions. Yuki Gosei Kagaku Kyokaiishi/Journal of Synthetic Organic Chemistry, 2019, 77, 442-451.	0.0	0
300	Electrocatalytic C(sp ³) α -H/C(sp) α -H cross-coupling in continuous flow through TEMPO/copper relay catalysis. Beilstein Journal of Organic Chemistry, 2021, 17, 2650-2656.	1.3	6
301	Electrochemical Oxidative Selenolactonization of Alkenoic Acids with Diselenides: Synthesis of Selenated β -Lactones. Asian Journal of Organic Chemistry, 2021, 10, 3271-3274.	1.3	13
302	Advances on the Merger of Electrochemistry and Transition Metal Catalysis for Organic Synthesis. Chemical Reviews, 2022, 122, 3180-3218.	23.0	173
303	Smart Flow Electrosynthesis and Application of Organodisulfides in Redox Flow Batteries. Advanced Science, 2021, 9, 2104036.	5.6	5
304	Electrochemical C α -H phosphorylation of arenes in continuous flow suitable for late-stage functionalization. Nature Communications, 2021, 12, 6629.	5.8	38
305	Time-Resolved EPR Revealed the Formation, Structure, and Reactivity of N-Centered Radicals in an Electrochemical C(sp ³) α -H Arylation Reaction. Journal of the American Chemical Society, 2021, 143, 20863-20872.	6.6	64
306	Electrochemical oxidative <i>Z</i> -selective C(sp ²) α -H chlorination of acrylamides. Chemical Communications, 2021, 57, 12643-12646.	2.2	9
307	Electrochemically Mediated Esterification of Aromatic Aldehydes with Aliphatic Alcohols via Anodic Oxidation. Chinese Journal of Organic Chemistry, 2021, 41, 4718.	0.6	8

#	ARTICLE	IF	CITATIONS
308	Selective Degradation of Lignosulfonate and Lignin with Periodate to 5-Hydroxymethylfurfural. <i>Advanced Sustainable Systems</i> , 2022, 6, .	2.7	8
309	Electrochemical dehydrogenative C=N coupling of hydrazones for the synthesis of 1 <i>H</i> -indazoles. <i>Green Chemistry</i> , 2022, 24, 1463-1468.	4.6	9
310	Investigation of Parameter Control for Electrocatalytic Semihydrogenation in a Proton-Exchange Membrane Reactor Utilizing Bayesian Optimization. <i>Frontiers in Chemical Engineering</i> , 2022, 3, .	1.3	7
311	Electro organic synthesis as green and sustainable approach for synthesis of chloro substituted benzyl alcohols. <i>Journal of the Indian Chemical Society</i> , 2022, 99, 100365.	1.3	0
312	Electrochemical oxidative bromolactonization of unsaturated carboxylic acids with sodium bromide: Synthesis of bromomethylated β -lactones. <i>Tetrahedron Letters</i> , 2022, 88, 153567.	0.7	7
313	Organoelectrocatalysis Enables Direct Cyclopropanation of Methylene Compounds. <i>Journal of the American Chemical Society</i> , 2022, 144, 2343-2350.	6.6	43
314	Electrochemical-induced benzyl C-H amination towards the synthesis of isoindolinones <i>via</i> aryloxy radical-mediated C-H activation. <i>Green Chemistry</i> , 2022, 24, 1445-1450.	4.6	20
315	Atropenantioselective palladaelectro-catalyzed anilide C-H olefinations viable with natural sunlight as sustainable power source. <i>Chemical Science</i> , 2022, 13, 2729-2734.	3.7	24
316	Electrochemical benzylic C-H arylation of xanthenes and thioxanthenes without a catalyst and oxidant. <i>Organic Chemistry Frontiers</i> , 2022, 9, 1911-1916.	2.3	17
317	Electrocatalytic Allylic C-H Alkylation Enabled by a Dual-Function Cobalt Catalyst**. <i>Angewandte Chemie - International Edition</i> , 2022, 61, .	7.2	40
318	Electrocatalytic Allylic C-H Alkylation Enabled by a Dual-Function Cobalt Catalyst**. <i>Angewandte Chemie</i> , 2022, 134, .	1.6	10
319	Electrochemically Mediated Oxidation of Sensitive Propargylic Benzylic Alcohols. <i>Organic Letters</i> , 2022, 24, 1423-1428.	2.4	5
320	Ruthenaelectro-catalyzed C-H acyloxylation for late-stage tyrosine and oligopeptide diversification. <i>Chemical Science</i> , 2022, 13, 3461-3467.	3.7	23
321	Electrochemical synthesis for α -arylation of ketones using enol acetates and aryl diazonium salts. <i>Organic Chemistry Frontiers</i> , 2022, 9, 2215-2219.	2.3	7
322	Electroreductive 4-pyridylation of unsaturated compounds using gaseous ammonia as a hydrogen source. <i>Organic Chemistry Frontiers</i> , 2022, 9, 2634-2639.	2.3	8
323	Electrochemical bromolactonization of alkenoic acids with carbon tetrabromide: Synthesis of bromomethylated β -lactones. <i>Synthetic Communications</i> , 2022, 52, 402-412.	1.1	4
324	Electrophotocatalytic C-H Functionalization of <i>N</i> -Heteroarenes with Unactivated Alkanes under External Oxidant-Free Conditions. <i>ChemSusChem</i> , 2022, 15, .	3.6	43
325	Direct Anodic <i>N</i> -Hydroxylation: Accessing Versatile Intermediates for Azanucleoside Derivatives. <i>Asian Journal of Organic Chemistry</i> , 2022, 11, .	1.3	3

#	ARTICLE	IF	CITATIONS
326	Reaction of electrons trapped in cryogenic matrices with benzophenone. <i>Journal of Physical Organic Chemistry</i> , 0, , .	0.9	1
327	Kineticsâ€Based Approach to Developing Electrocatalytic Variants of Slow Oxidations: Application to Hydride Abstractionâ€Initiated Cyclization Reactions. <i>Chemistry - A European Journal</i> , 2022, 28, .	1.7	3
328	Electrochemical Synthesis of High-Nitrogen Materials and Energetic Materials. <i>Chemical Reviews</i> , 2022, 122, 8809-8840.	23.0	43
329	Recent Advances in the Functionalization of Terminal and Internal Alkynes. <i>Asian Journal of Organic Chemistry</i> , 2022, 11, .	1.3	23
330	Electrochemical Enantioselective Nucleophilic $\hat{\text{I}}^{\pm}\text{-C}(\text{sp}^3)$ â€H Alkenylation of 2-Acyl Imidazoles. <i>Journal of the American Chemical Society</i> , 2022, 144, 6964-6971.	6.6	48
331	An efficient one-pot synthesis of 2-aminothiazoles via electrochemically oxidative $\hat{\text{I}}^{\pm}\text{-C-H}$ functionalization of ketones with thioureas. <i>Journal of Environmental Chemical Engineering</i> , 2022, 10, 107487.	3.3	6
332	Oxidation of benzyl alcohol using linear paired electrolysis. <i>Journal of Environmental Chemical Engineering</i> , 2022, 10, 107490.	3.3	1
333	Chalcogenative spirocyclization of $\langle \text{i} \rangle \text{N} \langle / \text{i} \rangle$ -aryl propiolamides with diselenides/disulfides promoted by Selectfluor. <i>Zeitschrift Fur Naturforschung - Section B Journal of Chemical Sciences</i> , 2022, 77, 75-85.	0.3	3
334	Electrochemical Synthesis of Cyclic Diaryl Phosphinamides via Intramolecular sp^2 Câ€H Phosphinamidation. <i>Journal of Organic Chemistry</i> , 2022, 87, 547-555.	1.7	6
335	Electrochemical Difunctionalization of Terminal Alkynes: Access to 1,4-Dicarbonyl Compounds. <i>Organic Letters</i> , 2022, 24, 289-292.	2.4	16
336	Versatile Tools for Understanding Electrosynthetic Mechanisms. <i>Chemical Reviews</i> , 2022, 122, 3292-3335.	23.0	59
337	Electrochemically Mediated Direct $\text{C}(\text{sp}^3)$ â€H Sulfonylation of Xanthene Derivatives. <i>Advanced Synthesis and Catalysis</i> , 2022, 364, 726-731.	2.1	21
338	Epoxide Electroreduction. <i>Journal of the American Chemical Society</i> , 2022, 144, 1389-1395.	6.6	42
339	Electrochemical oxidative dearomatization of 2-arylthiophenes. <i>Organic Chemistry Frontiers</i> , 2022, 9, 2921-2925.	2.3	8
340	Recent Updates on Electrogenated Hypervalent Iodine Derivatives and Their Applications as Mediators in Organic Electrosynthesis. <i>Frontiers in Chemistry</i> , 2022, 10, 883474.	1.8	9
341	Chapter 7. Synergy of Electrochemistry and Asymmetric Catalysis. <i>RSC Green Chemistry</i> , 2022, , 154-174.	0.0	0
342	Aqueous electrochemically-triggered atom transfer radical polymerization. <i>Chemical Science</i> , 2022, 13, 5741-5749.	3.7	7
343	Recent Advances in the Kolbe and Non-Kolbe Electrolysis of Carboxylic Acids. <i>RSC Green Chemistry</i> , 2022, , 29-59.	0.0	0

#	ARTICLE	IF	CITATIONS
344	Redox-mediated Electrochemical Cyclization Reactions. RSC Green Chemistry, 2022, , 1-28.	0.0	1
345	In Situ Alkyl Radical Recycling-Driven Decoupled Electrophotocatalytic Deamination. Organic Letters, 2022, 24, 3471-3476.	2.4	20
346	Electrochemical Method: A Green Approach for the Synthesis of Organic Compounds. Current Organic Chemistry, 2022, 26, 899-919.	0.9	3
347	Development of a multistep, electrochemical flow platform for automated catalyst screening. Catalysis Science and Technology, 2022, 12, 4266-4272.	2.1	3
348	Current-controlled "plug-and-play" electrochemical atom transfer radical polymerization of acrylamides in water. Polymer Chemistry, 2022, 13, 3460-3470.	1.9	7
349	Electrochemical radical-radical cross-coupling: direct access to β -amino nitriles from unactivated imines and alkyl nitriles. Green Chemistry, 2022, 24, 4928-4934.	4.6	11
350	Electrochemical Migratory Cyclization of <i>N</i> -Acylsulfonamides. Angewandte Chemie, 2022, 134, .	1.6	1
351	Electrochemical Migratory Cyclization of <i>N</i> -Acylsulfonamides. Angewandte Chemie - International Edition, 2022, 61, .	7.2	15
352	Electropolymerization without an electric power supply. Communications Chemistry, 2022, 5, .	2.0	8
353	Depolymerization of Lignin by Homogeneous Photocatalysis. Springer Handbooks, 2022, , 1537-1562.	0.3	1
354	Electrochemical Synthesis of Trisubstituted Oxazoles and Imines from β -Diketones and Amines. ChemElectroChem, 2022, 9, .	1.7	7
355	Counter Electrode Reactions—Important Stumbling Blocks on the Way to a Working Electroorganic Synthesis. Angewandte Chemie - International Edition, 2022, 61, .	7.2	42
356	Progress in Convergent Paired Electrolysis. Chemistry - A European Journal, 2022, 28, .	1.7	17
357	Reaktionen an der Gegenelektrode " wichtige Stolpersteine auf dem Weg einer funktionierenden elektroorganischen Synthese. Angewandte Chemie, 2022, 134, .	1.6	5
358	Electrochemical Synthesis of Azaborinones under Metal-Catalyst-Free Mild Conditions. European Journal of Organic Chemistry, 2022, 2022, .	1.2	3
359	Electrochemical alkene azidocyanation via 1,4-nitrile migration. Chemical Communications, 2022, 58, 8658-8661.	2.2	8
360	Cu-Electrocatalytic Diazidation of Alkenes at ppm Catalyst Loading. Journal of the American Chemical Society, 2022, 144, 11980-11985.	6.6	49
361	An Update on Oxidative α -C-H Carbonylation with CO. ACS Catalysis, 2022, 12, 7470-7485.	5.5	32

#	ARTICLE	IF	CITATIONS
362	Electrochemical [3+2] Cycloaddition of Anilines and 1,3-Dicarbonyl Compounds: Construction of Multisubstituted Indoles. <i>Advanced Synthesis and Catalysis</i> , 2022, 364, 2865-2871.	2.1	6
363	Electrophotocatalysis: Combining Light and Electricity to Catalyze Reactions. <i>Journal of the American Chemical Society</i> , 2022, 144, 12567-12583.	6.6	101
364	Electrochemical aromatic C-H hydroxylation in continuous flow. <i>Nature Communications</i> , 2022, 13, .	5.8	23
365	Accelerated parametrization of catalyst performance in organic electrosynthesis. <i>Current Opinion in Electrochemistry</i> , 2022, 35, 101103.	2.5	0
366	Enantioselective Nickel-Catalyzed Electrochemical Radical Allylation. <i>Angewandte Chemie - International Edition</i> , 2022, 61, .	7.2	16
367	Electrochemical Oxidative C(sp ²)-H Amination of Aldehyde Hydrazones with Azoles. <i>Organic Letters</i> , 2022, 24, 5874-5878.	2.4	8
368	Enantioselective Nickel-Catalyzed Electrochemical Radical Allylation. <i>Angewandte Chemie</i> , 0, .	1.6	0
369	Stereoselective migratory heteroaryltrifluoromethylation of allylic amines <i>via</i> electro-synthesis. <i>Green Chemistry</i> , 2022, 24, 6138-6144.	4.6	11
370	Recent advances in photo- and electro-enabled radical silylation. <i>Organic Chemistry Frontiers</i> , 2022, 9, 6400-6415.	2.3	43
371	An electrochemical tandem Michael addition, azidation and intramolecular cyclization strategy for the synthesis of imidazole derivatives. <i>Organic and Biomolecular Chemistry</i> , 0, .	1.5	5
372	Electrochemical oxidative rearrangement of tetrahydro- β -carbolines in a zero-gap flow cell. <i>Chemical Science</i> , 2022, 13, 10479-10485.	3.7	9
373	Non-directed Pd-catalysed electrooxidative olefination of arenes. <i>Chemical Science</i> , 2022, 13, 9432-9439.	3.7	14
374	Paired Electrolysis for Decarboxylative Cyanation: 4-CN-Pyridine, a Versatile Nitrile Source. <i>Organic Letters</i> , 2022, 24, 6357-6363.	2.4	14
375	Electricity Promoted Chemoselective Functionalization of Alkenes: Diastereoselective Synthesis of Oxindole Containing Thioethers and Selenoethers. <i>ChemistrySelect</i> , 2022, 7, .	0.7	3
376	Electrochemical Intramolecular Oxidative C(sp ³)-H/C(sp ³)-H Coupling for Synthesis of 4-quinolones. <i>Synthesis</i> , 0, .	1.2	0
377	Transition-Metal-Catalyzed S, Se, and Te Bond Formations via Cross-Coupling and Atom-Economic Addition Reactions. <i>Achievements and Challenges. Chemical Reviews</i> , 2022, 122, 16110-16293.	23.0	95
378	Electrophotochemical Metal-Catalyzed Decarboxylative Coupling of Aliphatic Carboxylic Acids. <i>Chemistry - A European Journal</i> , 2022, 28, .	1.7	19
379	Electrochemical C-H Oxidation/Conjugate Addition/Cyclization Sequences of 2-Alkyl Phenols: One-Pot Synthesis of 2-Amino-4-H-chromenes. <i>Asian Journal of Organic Chemistry</i> , 2022, 11, .	1.3	6

#	ARTICLE	IF	CITATIONS
380	Probing Electron Transfer Events in Radical Cation Cycloadditions: Intramolecular vs. Intermolecular. <i>European Journal of Organic Chemistry</i> , 0, , .	1.2	1
381	Electrochemical Rearrangement of Indoles to Spirooxindoles in Continuous Flow. <i>European Journal of Organic Chemistry</i> , 2023, 26, .	1.2	6
382	Regiodivergent Electrophotocatalytic Aminoxygenation of Aryl Olefins. <i>Journal of the American Chemical Society</i> , 2022, 144, 18803-18809.	6.6	20
383	Electroreductive cross-coupling between aldehydes and ketones or imines <i>via</i> cathodically generated dianions. <i>Green Chemistry</i> , 2022, 24, 8386-8392.	4.6	7
384	Electrooxidative dehydrogenative coupling of 1,4-naphthoquinones with amines: Facile access to 2-amino-1,4-naphthoquinones. <i>Tetrahedron Letters</i> , 2022, 112, 154208.	0.7	2
385	Electrocatalytic Generation of Acyl Radicals and Their Applications. <i>European Journal of Organic Chemistry</i> , 2022, 2022, .	1.2	11
386	Electrochemical Metal-Catalyzed Azidoesterification of Alkenes. <i>European Journal of Organic Chemistry</i> , 0, , .	1.2	1
387	Photochemical Radical Cation Cycloadditions of Aryl Vinyl Ethers. <i>European Journal of Organic Chemistry</i> , 2022, 2022, .	1.2	4
388	Electrochemical <i>N</i> -Centered Radical Addition/Semipinacol Rearrangement Sequence of Alkenyl Cyclobutanols: Synthesis of β -Amino Cyclic Ketones. <i>Asian Journal of Organic Chemistry</i> , 2022, 11, .	1.3	5
389	One-Step Regio- and Stereoselective Electrochemical Synthesis of Orexin Receptor Antagonist Oxidative Metabolites. <i>Journal of Organic Chemistry</i> , 2022, 87, 15011-15021.	1.7	2
390	Designing Modular Assembly of Electrochemical Flow Microreactor as an Enabling Technology of Electrosynthesis in Laminar Flow. <i>European Journal of Organic Chemistry</i> , 2022, 2022, .	1.2	3
391	An electrochemical multicomponent reaction toward $C\text{-}H$ tetrazolization of alkyl arenes and vicinal azidotetrazolization of alkenes. <i>Chemical Science</i> , 2022, 13, 13851-13856.	3.7	20
392	Electrochemical Reductive Functionalization of Alkenes with Deuteriochloroform as a One-Carbon Deuteration Block. <i>Organic Letters</i> , 2022, 24, 8645-8650.	2.4	8
393	Nickel-catalyzed switchable asymmetric electrochemical functionalization of alkenes. <i>Science Advances</i> , 2022, 8, .	4.7	20
394	Electrophotocatalytic Decoupled Radical Relay Enables Highly Efficient and Enantioselective Benzylic $C\text{-}H$ Functionalization. <i>Journal of the American Chemical Society</i> , 2022, 144, 21674-21682.	6.6	42
395	Electrochemical synthesis of vicinal azidoacetamides. <i>Chemical Communications</i> , 2023, 59, 422-425.	2.2	10
396	Electrochemical Oxidation of 3-Aryl-2-cyanothioacrylamides. <i>Russian Journal of General Chemistry</i> , 2022, 92, 2235-2245.	0.3	1
397	Degradation of Lignosulfonate to Vanillic Acid Using Ferrate. <i>Advanced Sustainable Systems</i> , 2023, 7, .	2.7	4

#	ARTICLE	IF	CITATIONS
398	Electrophotocatalytic oxygenation of multiple adjacent C–H bonds. <i>Nature</i> , 2023, 614, 275-280.	13.7	44
399	Electrochemical borylation of nitroarenes. <i>Science China Chemistry</i> , 2023, 66, 534-539.	4.2	7
400	Asymmetric-waveform alternating current-promoted silver catalysis for C–H phosphorylation. , 2023, 2, 172-181.		19
401	Toward Improving the Selectivity of Organic Halide Electrocarboxylation with Mechanistically Informed Solvent Selection. <i>Journal of the American Chemical Society</i> , 2023, 145, 1740-1748.	6.6	6
402	Selective Electrochemical Degradation of Lignosulfonate to Bio-Based Aldehydes. <i>ChemSusChem</i> , 2023, 16, .	3.6	6
403	Electrophotochemical Metal-Catalyzed Enantioselective Decarboxylative Cyanation. <i>Chemistry - A European Journal</i> , 2023, 29, .	1.7	9
404	Electrochemically driven [4+2] benzannulation: synthesis of polycyclic (hetero)aromatic compounds. <i>Chemical Communications</i> , 2023, 59, 1681-1684.	2.2	2
405	Current-controlled nickel-catalyzed multi-electrophile electroreductive cross-coupling. <i>Green Chemistry</i> , 2023, 25, 1522-1529.	4.6	5
406	Electrochemical dehydrogenative cyclization/aromatization of aniline-tethered alkylidenecyclopropanes: facile access to benzo[<i>c</i>]carbazoles. <i>Organic Chemistry Frontiers</i> , 2023, 10, 1557-1563.	2.3	3
407	Electrochemical synthesis of the protected cyclic (1,3;1,6)- β -D-glucan dodecasaccharide. <i>Faraday Discussions</i> , 0, 247, 59-69.	1.6	0
408	Contemporary photoelectrochemical strategies and reactions in organic synthesis. <i>Chemical Communications</i> , 2023, 59, 3487-3506.	2.2	11
409	Electroreductive Dicarboxylation of Unactivated Skipped Dienes with CO ₂ . <i>Angewandte Chemie - International Edition</i> , 2023, 62, .	7.2	10
410	Electrooxidative Activation of B–B Bond in B ₂ cat ₂ : Access to gem-Diborylalkanes via Paired Electrolysis. <i>Angewandte Chemie</i> , 2023, 135, .	1.6	3
411	Electrooxidative Activation of B–B Bond in B ₂ cat ₂ : Access to gem-Diborylalkanes via Paired Electrolysis. <i>Angewandte Chemie - International Edition</i> , 2023, 62, .	7.2	11
412	Taming Challenging Radical-Based Convergent Paired Electrolysis with Dual-Transition-Metal Catalysis. <i>Synlett</i> , 2023, 34, 1549-1553.	1.0	3
413	Electrochemical oxidative C(sp ³)–H cross-coupling with hydrogen evolution. , 0, , .		6
414	Electrochemical Difunctionalization of Alkenes. <i>Synthesis</i> , 2023, 55, 2843-2859.	1.2	7
415	Electrochemical Oxidative Phosphorylations of Glycine Derivatives with R ₂ P(O)–Containing Compounds via C(sp ³)–H Functionalisation. <i>Advanced Synthesis and Catalysis</i> , 2023, 365, 900-905.	2.1	4

#	ARTICLE	IF	CITATIONS
416	Radical Cation [2+2] Cycloadditions Enabled by Surface-Assisted Pseudo-Intramolecular Electron Transfers. <i>Synthesis</i> , 0, , .	1.2	1
417	NHPI-Mediated Electrochemical $\hat{\pm}$ -Oxygenation of Amides to Benzimides. <i>Journal of Organic Chemistry</i> , 2023, 88, 2985-2998.	1.7	4
418	Transition Metal-Catalyzed C-H Functionalization Through Electrocatalysis. <i>ChemSusChem</i> , 2023, 16, .	3.6	7
419	The Oxidation of Organo-Boron Compounds Using Electrochemically Generated Peroxodicarbonate. <i>European Journal of Organic Chemistry</i> , 2023, 26, .	1.2	4
420	Electrochemical oxidative difunctionalization of diazo compounds with two different nucleophiles. <i>Nature Communications</i> , 2023, 14, .	5.8	9
421	Electrochemical Cross-Dehydrogenative Coupling of Isochroman and Unactivated Ketones. <i>Journal of Organic Chemistry</i> , 2023, 88, 4145-4154.	1.7	1
422	Using a nitrogen-centered radical as a selective mediator in electrochemical C(sp ³)-H amination. <i>Chem Catalysis</i> , 2023, 3, 100582.	2.9	9
423	Electrochemical electrophilic bromination/spirocyclization of <i>N</i> -benzyl-acrylamides to brominated 2-azaspiro[4.5]decanes. <i>Green Chemistry</i> , 2023, 25, 3543-3548.	4.6	38
424	Special Collection on Organic Electrocatalysis. <i>European Journal of Organic Chemistry</i> , 2023, 26, .	1.2	0
425	Paired Oxidative and Reductive Catalysis: Breaking the Potential Barrier of Electrochemical C(sp ³)-H Alkenylation**. <i>Angewandte Chemie - International Edition</i> , 2023, 62, .	7.2	15
426	Paired Oxidative and Reductive Catalysis: Breaking the Potential Barrier of Electrochemical C(sp ³)-H Alkenylation**. <i>Angewandte Chemie</i> , 2023, 135, .	1.6	0
427	Electroreductive Dicarboxylation of Unactivated Skipped Dienes with CO ₂ . <i>Angewandte Chemie</i> , 0, , .	1.6	0
428	Electrochemical oxidative C(sp ³)-H/O-H cross-coupling for the synthesis of $\hat{\pm}$ -acyloxyketones. <i>Organic Chemistry Frontiers</i> , 0, , .	2.3	2
429	Recent progress and applications enabled <i>via</i> electrochemically triggered and controlled chain-growth polymerizations. <i>Polymer Chemistry</i> , 2023, 14, 2000-2021.	1.9	2
437	Electrochemically Mediated S-Glycosylation of 1-Thiosugars with Xanthene Derivatives. <i>Organic Letters</i> , 2023, 25, 4252-4257.	2.4	0
442	An electrochemical Hofmann rearrangement on acrylamide copolymers. <i>Polymer Chemistry</i> , 2023, 14, 3057-3062.	1.9	1
459	Electrochemical deoxygenative homo-couplings of aromatic aldehydes. <i>Chemical Communications</i> , 2023, 59, 13062-13065.	2.2	1
482	Peptide coupling using recyclable bicyclic benziodazolone. <i>Chemical Communications</i> , 0, , .	2.2	1

#	ARTICLE	IF	CITATIONS
485	Selective electrochemical acceptorless dehydrogenation reactions of tetrahydroisoquinoline derivatives. <i>Organic and Biomolecular Chemistry</i> , 0, , .	1.5	0
500	Technoeconomic and life cycle assessments of electrochemical membrane technology. , 2024, , 465-488.		0