

# Electrogenerated Cationic Reactive Intermediates: The

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Citation Report

#	ARTICLE	IF	CITATIONS
1	Using Physical Organic Chemistry To Shape the Course of Electrochemical Reactions. <i>Chemical Reviews</i> , 2018, 118, 4817-4833.	23.0	512
2	Electrochemical Functional-Group-Tolerant Shono-Type Oxidation of Cyclic Carbamates Enabled by Aminoxyl Mediators. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 6686-6690.	7.2	103
3	Electrosynthesis of Trisubstituted 2-Oxazolines via Dehydrogenative Cyclization of $\beta$ -Amino Arylketones. <i>Organic Letters</i> , 2018, 20, 2505-2508.	2.4	66
4	Electrochemical synthesis of methyl sulfoxides from thiophenols/thiols and dimethyl sulfoxide. <i>Green Chemistry</i> , 2018, 20, 1405-1411.	4.6	36
5	Electrochemical Synthesis of Bisindolylmethanes from Indoles and Ethers. <i>Organic Letters</i> , 2018, 20, 2911-2915.	2.4	43
6	Scalable Electrochemical Dehydrogenative Lactonization of C(sp <sup>2</sup> )/sp <sup>3</sup> C-H Bonds. <i>Organic Letters</i> , 2018, 20, 252-255.	2.4	131
7	Development of Electroorganic Reactions Utilizing Stabilized Reactive Species and Its Application to Organic Energy Storage Materials. <i>Electrochemistry</i> , 2018, 86, 298-302.	0.6	1
8	Electrochemical synthesis of tetrazoles via metal- and oxidant-free [3 + 2] cycloaddition of azides with hydrazones. <i>Green Chemistry</i> , 2018, 20, 5271-5275.	4.6	42
9	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
10	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
11	Catalyst-Free Oxytrifluoromethylation of Alkenes through Paired Electrolysis in Organic-Aqueous Media. <i>Chemistry - A European Journal</i> , 2018, 24, 17234-17238.	1.7	61
12	Metal- and Oxidant-Free Alkenyl C-H/Aromatic C-H Cross-Coupling Using Electrochemically Generated Iodosulfonium Ions. <i>Angewandte Chemie</i> , 2018, 130, 13073-13077.	1.6	4
13	Exogenous-oxidant-free electrochemical oxidative C-H sulfonylation of arenes/heteroarenes with hydrogen evolution. <i>Chemical Communications</i> , 2018, 54, 11471-11474.	2.2	81
14	Electrochemical synthesis of 7-membered carbocycles through cascade 5-exo-trig/7-endo-trig radical cyclization. <i>Organic Chemistry Frontiers</i> , 2018, 5, 3129-3132.	2.3	40
15	Electrochemical Oxidative Alkoxylation of Alkenes Using Sulfonyl Hydrazines and Alcohols with Hydrogen Evolution. <i>ACS Catalysis</i> , 2018, 8, 10871-10875.	5.5	138
16	Electrochemically Enabled Carbohydroxylation of Alkenes with H <sub>2</sub> O and Organotrifluoroborates. <i>Journal of the American Chemical Society</i> , 2018, 140, 16387-16391.	6.6	127
17	Stepwise radical cation Diels-Alder reaction via multiple pathways. <i>Beilstein Journal of Organic Chemistry</i> , 2018, 14, 704-708.	1.3	15
18	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

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19	Electrochemical Alkynyl/Alkenyl Migration for the Radical Difunctionalization of Alkenes. <i>Chemistry - A European Journal</i> , 2018, 24, 17205-17209.	1.7	48
20	Recent Advances in the Synthesis of Carboxylic Acid Esters. , 0, , .		9
21	Metal- and Oxidant-Free Alkenyl C-H/Aromatic C-H Cross-Coupling Using Electrochemically Generated Iodosulfonium Ions. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 12891-12895.	7.2	7
22	Synthesis of Oxazolines from N-Allylamides Using an Electrochemically Generated ArS(ArSSAr) <sup>+</sup> Pool. <i>Heterocycles</i> , 2018, 96, 1373.	0.4	4
23	A Regio- and Diastereoselective Anodic Aryl-Aryl Coupling in the Biomimetic Total Synthesis of (±)-Thebaine. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 11055-11059.	7.2	70
24	Eine regio- und diastereoselektive anodische Aryl-Aryl-Kupplung in der biomimetischen Totalsynthese von (±)-Thebain. <i>Angewandte Chemie</i> , 2018, 130, 11221-11225.	1.6	21
25	Electrochemical Arylation Reaction. <i>Chemical Reviews</i> , 2018, 118, 6706-6765.	23.0	616
26	Carbenium ion formation by fragmentation of electrochemically generated oxonium ions. <i>Organic and Biomolecular Chemistry</i> , 2018, 16, 5094-5096.	1.5	6
27	Bromide-catalyzed electrochemical trifluoromethylation/cyclization of <i>N</i> -arylacrylamides with low catalyst loading. <i>Organic Chemistry Frontiers</i> , 2018, 5, 2573-2577.	2.3	88
28	Electrochemical oxidative oxysulfenylation and aminosulfenylation of alkenes with hydrogen evolution. <i>Science Advances</i> , 2018, 4, eaat5312.	4.7	114
29	Investigating radical cation chain processes in the electrocatalytic Diels-Alder reaction. <i>Beilstein Journal of Organic Chemistry</i> , 2018, 14, 642-647.	1.3	23
30	Iodine(III)-Mediated Electrochemical Trifluoroethoxylactonisation: Rational Reaction Optimisation and Prediction of Mediator Activity. <i>Chemistry - A European Journal</i> , 2018, 24, 15781-15785.	1.7	40
31	Electrochemical Formation of <i>N</i> -Acyloxy Amidyl Radicals and Their Application: Regioselective Intramolecular Amination of <i>sp</i> <sup>2</sup> and <i>sp</i> <sup>3</sup> C-H Bonds. <i>Organic Letters</i> , 2018, 20, 3443-3446.	2.4	145
32	Electrochemical Hofmann rearrangement mediated by NaBr: practical access to bioactive carbamates. <i>Organic and Biomolecular Chemistry</i> , 2018, 16, 4615-4618.	1.5	31
33	Electrochemical C-H Cyanation of Electron-Rich (Hetero)Arenes. <i>Chemistry - A European Journal</i> , 2018, 24, 11288-11291.	1.7	35
34	Anodic benzylic C( <i>sp</i> <sup>3</sup> )-H amination: unified access to pyrrolidines and piperidines. <i>Green Chemistry</i> , 2018, 20, 3191-3196.	4.6	81
35	Electrochemical strategies for C-H functionalization and C-N bond formation. <i>Chemical Society Reviews</i> , 2018, 47, 5786-5865.	18.7	736
36	Redox Denaturation of Proteins: Electrochemical Treatment of Egg Plasma. <i>Electroanalysis</i> , 2019, 31, 2299-2302.	1.5	4

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37	Oxoâ€Thiolation of Cationically Polymerizable Alkenes Using Flow Microreactors. <i>Chemistry - A European Journal</i> , 2019, 25, 15239-15243.	1.7	10
38	Organic electrocatalysis: electrochemical alkyne functionalization. <i>Catalysis Science and Technology</i> , 2019, 9, 5868-5881.	2.1	49
39	Understanding photoelectrochemical kinetics in a model CO <sub>2</sub> fixation reaction. <i>Physical Chemistry Chemical Physics</i> , 2019, 21, 17517-17520.	1.3	6
40	Electrochemical Arylation of Electronâ€Deficient Arenes through Reductive Activation. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 15747-15751.	7.2	54
41	Bipolar Electrochemistry: A Powerful Tool for Electrifying Functional Material Synthesis. <i>Accounts of Chemical Research</i> , 2019, 52, 2598-2608.	7.6	131
42	Effects of the Hydrogen Bonding Network on Electrophilic Activation and Electrode Passivation: Electrochemical Chlorination and Bromination of Aromatics. <i>ChemElectroChem</i> , 2019, 6, 3726-3730.	1.7	12
43	Intramolecular electrochemical dehydrogenative Nâ€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
44	Electrochemically dehydrogenative Câ€H/Pâ€H cross-coupling: effective synthesis of phosphonated quinoxalin-2(1- <i>H</i> )-ones and xanthenes. <i>Green Chemistry</i> , 2019, 21, 4412-4421.	4.6	139
45	Electrochemical oxidation induced selective tyrosine bioconjugation for the modification of biomolecules. <i>Chemical Science</i> , 2019, 10, 7982-7987.	3.7	79
46	Hexafluoroâ€Propanolâ€Promoted Electroâ€Oxidative [3+2] Annulation of 1,3â€Dicarbonyl Compounds and Alkenes. <i>ChemElectroChem</i> , 2019, 6, 3383-3386.	1.7	18
47	Electrochemical Crossâ€Coupling of C( <i>sp</i> ) <sup>2</sup> â€H with Aryldiazonium Salts via a Paired Electrolysis: an Alternative to Visible Light Photoredoxâ€Based Approach. <i>Advanced Synthesis and Catalysis</i> , 2019, 361, 5170-5175.	2.1	52
48	Scalable Rhodium(III)â€Catalyzed Aryl Câ€H Phosphorylation Enabled by Anodic Oxidation Induced Reductive Elimination. <i>Angewandte Chemie</i> , 2019, 131, 16926-16930.	1.6	35
49	Efficient Protocol for Synthesis of Î²â€Hydroxy(alkoxy)selenides via Electrochemical Iodideâ€Catalyzed Oxyseleation of Styrene Derivatives with Dialkyl(aryl)diselenides. <i>ChemistryOpen</i> , 2019, 8, 1230-1234.	0.9	12
50	Photokatalyse und Elektrochemie: Ein neues BÃ¼ndnis in der organischen Synthese. <i>Angewandte Chemie</i> , 2019, 131, 17670-17672.	1.6	28
51	Practical and stereoselective electrocatalytic 1,2-diamination of alkenes. <i>Nature Communications</i> , 2019, 10, 4953.	5.8	100
52	Merging Photocatalysis with Electrochemistry: The Dawn of a new Alliance in Organic Synthesis. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 17508-17510.	7.2	100
53	Decarboxylative C <sub>sp3</sub> â€N Bond Formation by Electrochemical Oxidation of Amino Acids. <i>Organic Letters</i> , 2019, 21, 9262-9267.	2.4	51
54	Scalable Rhodium(III)â€Catalyzed Aryl Câ€H Phosphorylation Enabled by Anodic Oxidation Induced Reductive Elimination. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 16770-16774.	7.2	111

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55	Electrochemical oxidative cyclization of olefinic carbonyls with diselenides. <i>Green Chemistry</i> , 2019, 21, 4976-4980.	4.6	71
56	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
57	Electrochemical Alkoxysulfonylation Difunctionalization of Styrene Derivatives Using Sodium Sulfonates as Sulfonyl Sources. <i>ACS Omega</i> , 2019, 4, 14353-14359.	1.6	26
58	Synergy of anodic oxidation and cathodic reduction leads to electrochemical deoxygenative C2 arylation of quinoline <i>N</i> -oxides. <i>Chemical Communications</i> , 2019, 55, 11091-11094.	2.2	35
59	Electrochemical Arylation of Electron-Deficient Arenes through Reductive Activation. <i>Angewandte Chemie</i> , 2019, 131, 15894-15898.	1.6	12
60	Heterocycles via Cross Dehydrogenative Coupling. , 2019, , .		9
61	Synthetic Methodology-driven Chemical Protein Modifications. <i>Chemistry Letters</i> , 2019, 48, 1421-1432.	0.7	13
62	Probing Intramolecular Electron Transfer in Redox Tag Processes. <i>Organic Letters</i> , 2019, 21, 8519-8522.	2.4	21
63	Fluorocyclization of <i>N</i> -Propargylamides to Oxazoles by Electrochemically Generated ArI <sub>2</sub> . <i>Organic Letters</i> , 2019, 21, 7893-7896.	2.4	69
64	Electrochemical Dehydrogenative Phosphorylation of Thiols. <i>Organic Letters</i> , 2019, 21, 7833-7836.	2.4	39
65	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
66	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
67	Electrochemical oxidative C-H/S-H cross-coupling between enamines and thiophenols with H <sub>2</sub> evolution. <i>Chemical Science</i> , 2019, 10, 2791-2795.	3.7	73
68	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
69	Metal- and Oxidant-free Electrosynthesis of 1,2,3-Thiadiazoles from Element Sulfur and <i>N</i> -tosyl Hydrazones. <i>Advanced Synthesis and Catalysis</i> , 2019, 361, 1756-1760.	2.1	52
70	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
71	Electrochemical oxidative C-H/N-H cross-coupling for C-N bond formation with hydrogen evolution. <i>Chemical Communications</i> , 2019, 55, 1809-1812.	2.2	103
72	Electrochemical oxidative selenylation of imidazo[1,2-a]pyridines with diselenides. <i>Tetrahedron Letters</i> , 2019, 60, 739-742.	0.7	42

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73	Organic Electrosynthesis: Applications in Complex Molecule Synthesis. <i>ChemElectroChem</i> , 2019, 6, 4067-4092.	1.7	143
74	Electrochemical Synthesis of Allylamines via a Radical Trapping Sequence. <i>Advanced Synthesis and Catalysis</i> , 2019, 361, 4041-4047.	2.1	12
75	External Oxidant-Free Electrochemical Oxidative Trifluoromethylation of Arenes Using $\text{CF}_3\text{SO}_2\text{Na}$ as the $\text{CF}_3$ Source. <i>Chinese Journal of Chemistry</i> , 2019, 37, 817-820.	2.6	31
76	Electrochemical/Photoredox Aspects of Transition Metal-Catalyzed Directed C-H Bond Activation. <i>ChemCatChem</i> , 2019, 11, 5160-5187.	1.8	47
77	A New Approach to Stereoselective Electrocatalytic Semihydrogenation of Alkynes to <i>Z</i> -Alkenes using a Proton-Exchange Membrane Reactor. <i>ACS Sustainable Chemistry and Engineering</i> , 2019, 7, 11050-11055.	3.2	45
78	Electrochemical Oxidative Aryl(alkyl)trifluoromethylation of Allyl Alcohols via 1,2-Migration. <i>Organic Letters</i> , 2019, 21, 4619-4622.	2.4	72
79	C-N Coupling of Azoles or Imides with Carbocations Generated by Electrochemical Oxidation. <i>European Journal of Organic Chemistry</i> , 2019, 2019, 4089-4094.	1.2	22
80	Electrochemical Synthesis of $\beta$ -Bromoimidazo[1,2- <i>a</i> ]pyridines Directly from $\alpha$ -Aminopyridines and $\alpha$ -Bromoketones. <i>ChemElectroChem</i> , 2019, 6, 2733-2736.	1.7	16
81	Elektrochemischer Durchlaufgenerator für hypervalente Iodreagenzien: Synthetische Anwendungen. <i>Angewandte Chemie</i> , 2019, 131, 9916-9920.	1.6	22
82	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
83	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
84	Synthetic applications of light, electricity, mechanical force and flow. <i>Nature Reviews Chemistry</i> , 2019, 3, 290-304.	13.8	51
85	Direct electrosynthesis for <i>N</i> -alkyl-3-halo-indoles using alkyl halide as both alkylating and halogenating building blocks. <i>Green Chemistry</i> , 2019, 21, 2732-2738.	4.6	35
86	Continuous-Flow Electrochemical Generator of Hypervalent Iodine Reagents: Synthetic Applications. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 9811-9815.	7.2	106
87	On the origin of the difference between type A and type B skeletal isomerization of alkenes catalyzed by zeolites: The crucial input of ab initio molecular dynamics. <i>Journal of Catalysis</i> , 2019, 373, 361-373.	3.1	38
88	Radical Cation Diels-Alder Reactions of Non-Conjugated Alkenes as Dienophiles by Electrocatalysis. <i>Chinese Journal of Chemistry</i> , 2019, 37, 561-564.	2.6	9
89	Electrochemical Radical Formyloxylation, Bromination, Chlorination, and Trifluoromethylation of Alkenes. <i>Organic Letters</i> , 2019, 21, 3167-3171.	2.4	70
90	Electrochemical vicinal aminotrifluoromethylation of alkenes: high regioselective acquisition of $\beta$ -trifluoromethylamines. <i>Organic and Biomolecular Chemistry</i> , 2019, 17, 5014-5020.	1.5	34

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92	Recent Advances in Constructing Nitrogen-Containing Heterocycles <i>via</i> Electrochemical Dehydrogenation. Chinese Journal of Chemistry, 2019, 37, 513-528.	2.6	65
93	Electrochemical trifluoromethylation/semipinacol rearrangement sequences of alkenyl alcohols: synthesis of $\beta$ -CF <sub>3</sub> -substituted ketones. Organic and Biomolecular Chemistry, 2019, 17, 3319-3323.	1.5	42
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101	Recent Advances on the Electrochemical Difunctionalization of Alkenes/Alkynes. Chinese Journal of Chemistry, 2019, 37, 292-301.	2.6	122
102	Electrochemical Oxidative Clean Halogenation Using HX/NaX with Hydrogen Evolution. IScience, 2019, 12, 293-303.	1.9	120
103	Electrochemical Radical Borylation of Aryl Iodides. Chinese Journal of Chemistry, 2019, 37, 347-351.	2.6	21
104	Electrochemical Aminoselenation and Oxyselenation of Styrenes with Hydrogen Evolution. Organic Letters, 2019, 21, 1297-1300.	2.4	116
105	Electrochemical dehydrogenation of hydrazines to azo compounds. Green Chemistry, 2019, 21, 1680-1685.	4.6	30
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109	Electrochemical fluoromethylation triggered lactonizations of alkenes under semi-aqueous conditions. <i>Chemical Science</i> , 2019, 10, 3181-3185.	3.7	117
110	Effect of Chemical Structure on the Electrochemical Cleavage of Alkoxyamines. <i>Journal of Physical Chemistry C</i> , 2019, 123, 5273-5281.	1.5	31
111	Electrochemical Oxidative Cross-Coupling with Hydrogen Evolution Reactions. <i>Accounts of Chemical Research</i> , 2019, 52, 3309-3324.	7.6	499
112	Chemistry with Electrochemically Generated N-Centered Radicals. <i>Accounts of Chemical Research</i> , 2019, 52, 3339-3350.	7.6	679
113	Electrochemically Enabled Double C-H Activation of Amides: Chemoselective Synthesis of Polycyclic Isoquinolinones. <i>Organic Letters</i> , 2019, 21, 9841-9845.	2.4	64
114	Electrochemical TEMPO-catalyzed multicomponent C(sp <sup>3</sup> )-H $\alpha$ -carbamoylation of free cyclic secondary amines. <i>Green Chemistry</i> , 2019, 21, 6194-6199.	4.6	29
115	Selective Functionalization of Styrenes with Oxygen Using Different Electrode Materials: Olefin Cleavage and Synthesis of Tetrahydrofuran Derivatives. <i>Angewandte Chemie</i> , 2019, 131, 131-135.	1.6	6
116	Electrochemical Hydrogenation with Gaseous Ammonia. <i>Angewandte Chemie</i> , 2019, 131, 1773-1777.	1.6	30
117	Electrochemical Oxidative C(sp <sup>3</sup> )/N-H Cross-Coupling for $\alpha$ -Mannich Bases with Hydrogen Evolution. <i>ChemSusChem</i> , 2019, 12, 3073-3077.	3.6	29
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119	$\alpha$ -Snapshots of Intramolecular Electron Transfer in Redox Tag-Guided [2 + 2] Cycloadditions. <i>Journal of Organic Chemistry</i> , 2019, 84, 1882-1886.	1.7	17
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121	Electrochemical Dehydrogenative Phosphorylation of Alcohols for the Synthesis of Organophosphinates. <i>Journal of Organic Chemistry</i> , 2019, 84, 949-956.	1.7	47
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127	Selective Functionalization of Styrenes with Oxygen Using Different Electrode Materials: Olefin Cleavage and Synthesis of Tetrahydrofuran Derivatives. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 125-129.	7.2	64
128	Mn-catalyzed Electrochemical Synthesis of Quinazolinones from Primary Alcohols/Benzyl Ethers and <i>o</i> -Aminobenzamides. <i>ChemElectroChem</i> , 2019, 6, 4188-4193.	1.7	35
129	Mo-based Oxidizers as Powerful Tools for the Synthesis of Thia- and Selenaheterocycles. <i>Chemistry - A European Journal</i> , 2019, 25, 1936-1940.	1.7	27
130	Electrochemical Hydrogenation with Gaseous Ammonia. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 1759-1763.	7.2	87
131	Electrochemistry Broadens the Scope of Flavin Photocatalysis: Photoelectrocatalytic Oxidation of Unactivated Alcohols. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 409-417.	7.2	135
132	Cubane Electrochemistry: Direct Conversion of Cubane Carboxylic Acids to Alkoxy Cubanes Using the Hofer-Moest Reaction under Flow Conditions. <i>Chemistry - A European Journal</i> , 2020, 26, 374-378.	1.7	34
133	Electrochemistry Broadens the Scope of Flavin Photocatalysis: Photoelectrocatalytic Oxidation of Unactivated Alcohols. <i>Angewandte Chemie</i> , 2020, 132, 417-425.	1.6	45
134	Practical Synthesis of Phosphinic Amides/Phosphoramidates through Catalytic Oxidative Coupling of Amines and P(O)H Compounds. <i>Chemistry - A European Journal</i> , 2020, 26, 881-887.	1.7	32
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