

Radical Retrosynthesis

Accounts of Chemical Research

51, 1807-1817

DOI: [10.1021/acs.accounts.8b00209](https://doi.org/10.1021/acs.accounts.8b00209)

Citation Report

| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 1 | Direct Catalytic Enantioselective Benzoylation from Aryl Acetic Acids. <i>Journal of the American Chemical Society</i> , 2018, 140, 17418-17422. | 6.6 | 52 |
| 2 | Convergent Synthesis of Taxol Skeleton via Decarbonylative Radical Coupling Reaction. <i>Organic Letters</i> , 2018, 20, 7554-7557. | 2.4 | 16 |
| 3 | A General Amino Acid Synthesis Enabled by Innate Radical Cross-Coupling. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 14560-14565. | 7.2 | 97 |
| 4 | Enantioselective Total Synthesis of (âˆ“)â€”Caldaphnidine O via a Radical Cyclization Cascade. <i>Journal of the American Chemical Society</i> , 2019, 141, 13043-13048. | 6.6 | 38 |
| 5 | Generation of Aryl Radicals from Aryl Halides: Rongalite-Promoted Transition-Metal-Free Arylation. <i>Journal of Organic Chemistry</i> , 2019, 84, 9946-9956. | 1.7 | 42 |
| 6 | A Catalyst-Free Minisci-Type Reaction: the Câ€”H Alkylation of Quinoxalinones with Sodium Alkylsulfonates and Phenylodine(III) Dicarboxylates. <i>European Journal of Organic Chemistry</i> , 2019, 2019, 6935-6944. | 1.2 | 28 |
| 7 | Total Synthesis of Viridin and Viridiol. <i>Journal of the American Chemical Society</i> , 2019, 141, 16208-16212. | 6.6 | 59 |
| 8 | Lewis Acid-Catalyzed Selective Reductive Decarboxylative Pyridylation of <i>N</i> -Hydroxyphthalimide Esters: Synthesis of Congested Pyridine-Substituted Quaternary Carbons. <i>ACS Catalysis</i> , 2019, 9, 10142-10151. | 5.5 | 42 |
| 9 | Perfluoroalkylative pyridylation of alkenes via 4-cyanopyridine-boryl radicals. <i>Chemical Science</i> , 2019, 10, 2767-2772. | 3.7 | 81 |
| 10 | Organic Electrosynthesis: Applications in Complex Molecule Synthesis. <i>ChemElectroChem</i> , 2019, 6, 4067-4092. | 1.7 | 143 |
| 11 | Total Synthesis of 1â€”Hydroxytaxinine. <i>Angewandte Chemie</i> , 2019, 131, 12287-12291. | 1.6 | 8 |
| 12 | Total Synthesis of 1â€”Hydroxytaxinine. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 12159-12163. | 7.2 | 31 |
| 13 | Intermolecular Reactions of Pyridyl Radicals with Olefins via Photoredox Catalysis. <i>Synlett</i> , 2019, 30, 1607-1614. | 1.0 | 8 |
| 14 | Modular, stereocontrolled C ² â€”H/C ¹ â€”C activation of alkyl carboxylic acids. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019, 116, 8721-8727. | 3.3 | 39 |
| 15 | CO ₂ or SO ₂ : Should It Stay, or Should It Go?. <i>Journal of Organic Chemistry</i> , 2019, 84, 6232-6243. | 1.7 | 34 |
| 16 | Tandem Decarboxylative Cyclization/Alkenylation Strategy for Total Syntheses of (+)-Longirabdiol, (âˆ“)â€”Longirabdolactone, and (âˆ“)â€”Effusin. <i>Journal of the American Chemical Society</i> , 2019, 141, 8372-8380. | 6.6 | 30 |
| 17 | Photoinduced Skeletal Rearrangements Reveal Radical-Mediated Synthesis of Terpenoids. <i>Chem</i> , 2019, 5, 1671-1681. | 5.8 | 47 |
| 18 | Hydroalkylation of Olefins To Form Quaternary Carbons. <i>Journal of the American Chemical Society</i> , 2019, 141, 7709-7714. | 6.6 | 134 |

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 19 | Intermolekulare radikalische C(sp ³)-Aminierung unter Iod-Katalyse. <i>Angewandte Chemie</i> , 2019, 131, 7564-7568. | 1.6 | 19 |
| 20 | Intermolecular Radical C(sp ³)-H Amination under Iodine Catalysis. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 7485-7489. | 7.2 | 80 |
| 21 | Visible-Light-Mediated, Chemo- and Stereoselective Radical Process for the Synthesis of <i>α</i> -Glycoamino Acids. <i>Organic Letters</i> , 2019, 21, 3086-3092. | 2.4 | 100 |
| 22 | A Radical Approach to Anionic Chemistry: Synthesis of Ketones, Alcohols, and Amines. <i>Journal of the American Chemical Society</i> , 2019, 141, 6726-6739. | 6.6 | 148 |
| 23 | Forging C(sp ³)-C(sp ³) Bonds with Carbon-Centered Radicals in the Synthesis of Complex Molecules. <i>Journal of the American Chemical Society</i> , 2019, 141, 2800-2813. | 6.6 | 111 |
| 24 | Zinc-Mediated Intermolecular Reductive Radical Fluoroalkylsulfination of Unsaturated Carbon-Carbon Bonds with Fluoroalkyl Bromides and Sulfur Dioxide. <i>Chemistry - A European Journal</i> , 2019, 25, 1824-1828. | 1.7 | 45 |
| 25 | Translation of a Polar Biogenesis Proposal into a Radical Synthetic Approach: Synthesis of Pleurocin A/Matsutakone and Pleurocin B. <i>Journal of the American Chemical Society</i> , 2019, 141, 1222-1226. | 6.6 | 22 |
| 26 | Quaternary Centers by Nickel-Catalyzed Cross-Coupling of Tertiary Carboxylic Acids and (Hetero)Aryl Zinc Reagents. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 2454-2458. | 7.2 | 76 |
| 27 | Quaternary Centers by Nickel-Catalyzed Cross-Coupling of Tertiary Carboxylic Acids and (Hetero)Aryl Zinc Reagents. <i>Angewandte Chemie</i> , 2019, 131, 2476-2480. | 1.6 | 17 |
| 28 | Alkyl Sulfinates: Radical Precursors Enabling Drug Discovery. <i>Journal of Medicinal Chemistry</i> , 2019, 62, 2256-2264. | 2.9 | 102 |
| 29 | Nickel-Catalyzed 1,2-Diarylation of Alkenyl Carboxylates: A Gateway to 1,2,3-Trifunctionalized Building Blocks. <i>Angewandte Chemie</i> , 2020, 132, 1217-1221. | 1.6 | 19 |
| 30 | Nickel-Catalyzed 1,2-Diarylation of Alkenyl Carboxylates: A Gateway to 1,2,3-Trifunctionalized Building Blocks. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 1201-1205. | 7.2 | 69 |
| 31 | Bridging and Conformational Control of Porphyrin Units through Non-Traditional Rigid Scaffolds. <i>Chemistry - A European Journal</i> , 2020, 26, 2405-2416. | 1.7 | 7 |
| 32 | Pyridinium Salts as Redox-Active Functional Group Transfer Reagents. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 9264-9280. | 7.2 | 192 |
| 33 | Pyridiniumsalze als redoxaktive Reagenzien zur Übertragung funktioneller Gruppen. <i>Angewandte Chemie</i> , 2020, 132, 9350-9366. | 1.6 | 27 |
| 34 | Iron Hydride Radical Reductive Alkylation of Unactivated Alkenes. <i>Organic Letters</i> , 2020, 22, 684-688. | 2.4 | 20 |
| 35 | Synthesis of Spongidine A and D and Petrosaspongolide L Methyl Ester Using Pyridine C-H Functionalization. <i>Organic Letters</i> , 2020, 22, 552-555. | 2.4 | 9 |
| 36 | Synthesis of Swinhoeisterol A, Dankasterone A and B, and Periconiastone A by Radical Framework Reconstruction. <i>Journal of the American Chemical Society</i> , 2020, 142, 104-108. | 6.6 | 32 |

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 37 | Stereoselective Decarboxylative Alkylation of Titanium(IV) Enolates with Diacyl Peroxides. <i>Organic Letters</i> , 2020, 22, 199-203. | 2.4 | 9 |
| 38 | A Survival Guide for the "Electro-curious". <i>Accounts of Chemical Research</i> , 2020, 53, 72-83. | 7.6 | 431 |
| 39 | A Retrosynthetic Approach for Photocatalysis. <i>European Journal of Organic Chemistry</i> , 2020, 2020, 1193-1244. | 1.2 | 43 |
| 40 | A supramolecular bifunctional iridium photoaminocatalyst for the enantioselective alkylation of aldehydes. <i>Dalton Transactions</i> , 2020, 49, 14497-14505. | 1.6 | 4 |
| 41 | New Strategies in the Efficient Total Syntheses of Polycyclic Natural Products. <i>Accounts of Chemical Research</i> , 2020, 53, 2569-2586. | 7.6 | 33 |
| 42 | Direct, stereoselective thioglycosylation enabled by an organophotoredox radical strategy. <i>Chemical Science</i> , 2020, 11, 13079-13084. | 3.7 | 22 |
| 43 | Advances in Asymmetric Amino Acid Synthesis Enabled by Radical Chemistry. <i>Advanced Synthesis and Catalysis</i> , 2020, 362, 4325-4367. | 2.1 | 37 |
| 44 | Ni(^{4-tBu} stb) ₃ : A Robust 16-Electron Ni(0) Olefin Complex for Catalysis. <i>Organometallics</i> , 2020, 39, 3295-3300. | 1.1 | 36 |
| 45 | Harnessing Radical Chemistry via Electrochemical Transition Metal Catalysis. <i>IScience</i> , 2020, 23, 101796. | 1.9 | 29 |
| 46 | A General One-Pot Protocol for Hindered <i>N</i> -Alkyl Azaheterocycles from Tertiary Carboxylic Acids. <i>Organic Letters</i> , 2020, 22, 4180-4184. | 2.4 | 11 |
| 47 | Radical Reactions in Alkaloid Synthesis: A Perspective from Carbon Radical Precursors. <i>European Journal of Organic Chemistry</i> , 2020, 2020, 5070-5100. | 1.2 | 18 |
| 48 | Formation of quaternary carbons through cobalt-catalyzed C(sp ³)–C(sp ³) Negishi cross-coupling. <i>Chemical Communications</i> , 2020, 56, 8210-8213. | 2.2 | 12 |
| 49 | Regioselective, Photocatalytic Î±-Functionalization of Amines. <i>Journal of the American Chemical Society</i> , 2020, 142, 11972-11977. | 6.6 | 54 |
| 50 | Synthesis of (âˆš)-Picrotoxinin by Late-Stage Strong Bond Activation. <i>Journal of the American Chemical Society</i> , 2020, 142, 11376-11381. | 6.6 | 32 |
| 51 | P/N Heteroleptic Cu(I)-Photosensitizer-Catalyzed Deoxygenative Radical Alkylation of Aromatic Alkynes with Alkyl Aldehydes Using Dipropylamine as a Traceless Linker Agent. <i>ACS Catalysis</i> , 2020, 10, 7563-7572. | 5.5 | 26 |
| 52 | Closing the radical gap in chemical synthesis. <i>Science</i> , 2020, 368, 1312-1313. | 6.0 | 5 |
| 53 | Fluoroalkylation of Allylic Alcohols with Concomitant (Hetero)aryl Migration: Access to Fluoroalkylated Ketones and Evaluation of Antifungal Action against <i>Magnaporthe grisea</i> . | 1.2 | 22 |
| 54 | The literature of heterocyclic chemistry, part XVIII, 2018. <i>Advances in Heterocyclic Chemistry</i> , 2020, 132, 385-468. | 0.9 | 12 |

| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 55 | Construction of the ABCE-ring structure of talatisamine via decarboxylative radical cyclization. <i>Tetrahedron</i> , 2020, 76, 131385. | 1.0 | 13 |
| 56 | Aminoalkyl radicals as halogen-atom transfer agents for activation of alkyl and aryl halides. <i>Science</i> , 2020, 367, 1021-1026. | 6.0 | 285 |
| 57 | Merging chemoenzymatic and radical-based retrosynthetic logic for rapid and modular synthesis of oxidized meroterpenoids. <i>Nature Chemistry</i> , 2020, 12, 173-179. | 6.6 | 66 |
| 58 | Enantioselective Radical-Polar Crossover Reactions of Indanonecarboxamides with Alkenes. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 4846-4850. | 7.2 | 15 |
| 59 | Enantioselective Radical-Polar Crossover Reactions of Indanonecarboxamides with Alkenes. <i>Angewandte Chemie</i> , 2020, 132, 4876-4880. | 1.6 | 4 |
| 60 | A Systems Approach to a One-Pot Electrochemical Wittig Olefination Avoiding the Use of Chemical Reductant or Sacrificial Electrode. <i>Chemistry - A European Journal</i> , 2020, 26, 11829-11834. | 1.7 | 18 |
| 61 | Free-radical reactions in the synthesis of organofluorine compounds. , 2020, , 75-101. | | 0 |
| 62 | Total Synthesis of (âˆš)-Maximiscin. <i>Journal of the American Chemical Society</i> , 2020, 142, 8608-8613. | 6.6 | 22 |
| 63 | Discoveries and Challenges en Route to Swinhoeisterolâ€¦.A. <i>Chemistry - A European Journal</i> , 2020, 26, 9971-9981. | 1.7 | 8 |
| 64 | Asymmetric Total Synthesis of Dankasteronesâ€¦A and B and Periconiastoneâ€¦A Through Radical Cyclization. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 5512-5518. | 7.2 | 33 |
| 65 | Asymmetric Total Synthesis of Dankasteronesâ€¦A and B and Periconiastoneâ€¦A Through Radical Cyclization. <i>Angewandte Chemie</i> , 2021, 133, 5572-5578. | 1.6 | 4 |
| 66 | Mimicking oxidative radical cyclizations of lignan biosynthesis using redox-neutral photocatalysis. <i>Nature Chemistry</i> , 2021, 13, 24-32. | 6.6 | 20 |
| 67 | Synthesis of Three-Dimensionally Fascinating Diterpenoid Alkaloids and Related Diterpenes. <i>Accounts of Chemical Research</i> , 2021, 54, 22-34. | 7.6 | 24 |
| 68 | Lewis Acid Activation of Fragment-Coupling Reactions of Tertiary Carbon Radicals Promoted by Visible-Light Irradiation of EDA Complexes. <i>Organic Letters</i> , 2021, 23, 1103-1106. | 2.4 | 34 |
| 69 | Recent progress in the synthesis of the furanosteroid family of natural products. <i>Organic Chemistry Frontiers</i> , 2021, 8, 2608-2642. | 2.3 | 12 |
| 70 | Ideality in Context: Motivations for Total Synthesis. <i>Accounts of Chemical Research</i> , 2021, 54, 605-617. | 7.6 | 43 |
| 71 | Main Group Redox Catalysis of Organopnictogens: Vertical Periodic Trends and Emerging Opportunities in Group 15. <i>Journal of the American Chemical Society</i> , 2021, 143, 1699-1721. | 6.6 | 145 |
| 72 | Gram-Scale, Seven-Step Total Synthesis of (âˆš)-Colchicine. <i>Organic Letters</i> , 2021, 23, 2731-2735. | 2.4 | 11 |

| # | ARTICLE | IF | CITATIONS |
|----|---|------|-----------|
| 73 | 16-Electron Nickel(0)-Olefin Complexes in Low-Temperature C(sp ²)-C(sp ³) Kumada Cross-Couplings. <i>Organometallics</i> , 2021, 40, 2220-2230. | 1.1 | 12 |
| 74 | Concise Synthesis of 9,11-Secosteroids Pinnigorgiols B and E. <i>Journal of the American Chemical Society</i> , 2021, 143, 4886-4890. | 6.6 | 24 |
| 75 | Electrochemical generation of nitrogen-centered radicals for organic synthesis. <i>Green Synthesis and Catalysis</i> , 2021, 2, 165-178. | 3.7 | 130 |
| 76 | Total Synthesis of Talatisamine: Exploration of Convergent Synthetic Strategies. <i>Bulletin of the Chemical Society of Japan</i> , 2021, 94, 973-983. | 2.0 | 2 |
| 77 | Electrochemical Generation and Use in Organic Synthesis of C-, O-, and N-Centered Radicals. <i>Chemical Record</i> , 2021, 21, 2538-2573. | 2.9 | 21 |
| 78 | Asymmetric Total Synthesis of Norzoanthamine. <i>Angewandte Chemie</i> , 2021, 133, 12917-12922. | 1.6 | 0 |
| 79 | Recent advances in the total synthesis of natural products bearing the contiguous all-carbon quaternary stereocenters. <i>Tetrahedron Letters</i> , 2021, 71, 153029. | 0.7 | 30 |
| 80 | Asymmetric Total Synthesis of Norzoanthamine. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 12807-12812. | 7.2 | 14 |
| 81 | Synthesis of Cyclic Anhydrides via Ligand-Enabled C-H Carbonylation of Simple Aliphatic Acids. <i>Angewandte Chemie</i> , 2021, 133, 16518-16523. | 1.6 | 8 |
| 82 | Synthesis of Cyclic Anhydrides via Ligand-Enabled C-H Carbonylation of Simple Aliphatic Acids. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 16382-16387. | 7.2 | 25 |
| 83 | Reductive Radical Conjugate Addition of Alkyl Electrophiles Catalyzed by a Cobalt/Iridium Photoredox System. <i>Organic Letters</i> , 2021, 23, 6046-6051. | 2.4 | 7 |
| 84 | Strategic Use of Visible-Light Photoredox Catalysis in Natural Product Synthesis. <i>Chemical Reviews</i> , 2022, 122, 1717-1751. | 23.0 | 199 |
| 85 | Late-stage C-H functionalization offers new opportunities in drug discovery. <i>Nature Reviews Chemistry</i> , 2021, 5, 522-545. | 13.8 | 341 |
| 86 | In-situ-generation of alkylsilyl peroxides from alkyl hydroperoxides and their subsequent copper-catalyzed functionalization with organosilicon compounds. <i>Tetrahedron Letters</i> , 2021, 75, 153144. | 0.7 | 4 |
| 87 | Convergent synthesis of (R)-silodosin via decarboxylative cross-coupling. <i>Tetrahedron Letters</i> , 2021, 79, 153290. | 0.7 | 2 |
| 88 | C(sp ³)-C(sp ³) Bond Formation via Electrochemical Alkoxylation and Subsequent Lewis Acid Promoted Reactions. <i>Advanced Synthesis and Catalysis</i> , 2021, 363, 4521. | 2.1 | 5 |
| 89 | Dealkenylative Ni-Catalyzed Cross-Coupling Enabled by Tetrazine and Photoexcitation. <i>Journal of the American Chemical Society</i> , 2021, 143, 14046-14052. | 6.6 | 19 |
| 90 | Visible-Light-Mediated C-I Difluoroallylation with an α -Aminoalkyl Radical as a Mediator. <i>Organic Letters</i> , 2021, 23, 7306-7310. | 2.4 | 38 |

| # | ARTICLE | IF | CITATIONS |
|-----|---|------|-----------|
| 91 | DTBP-promoted site-selective α -alkoxy C-H functionalization of alkyl esters: synthesis of 2-alkyl ester substituted chromanones. <i>Organic and Biomolecular Chemistry</i> , 2021, 19, 4520-4528. | 1.5 | 3 |
| 92 | Synthl: A New Open-Source Tool for Synthon-Based Library Design. <i>Journal of Chemical Information and Modeling</i> , 2022, 62, 2151-2163. | 2.5 | 18 |
| 93 | Biocatalytic Alkylation Chemistry: Building Molecular Complexity with High Selectivity. <i>ChemPlusChem</i> , 2022, 87, . | 1.3 | 10 |
| 94 | Photons or Electrons? A Critical Comparison of Electrochemistry and Photoredox Catalysis for Organic Synthesis. <i>Chemical Reviews</i> , 2022, 122, 2487-2649. | 23.0 | 210 |
| 95 | Direct decarboxylative Giese reactions. <i>Chemical Society Reviews</i> , 2022, 51, 1415-1453. | 18.7 | 87 |
| 96 | Total Synthesis of Resiniferatoxin Enabled by Photocatalytic Decarboxylative Radical Cyclization. <i>Organic Letters</i> , 2022, 24, 929-933. | 2.4 | 13 |
| 97 | Photoinduced Decarboxylative Radical Coupling Reaction of Multiply Oxygenated Structures by Catalysis of Pt-Doped TiO ₂ . <i>Journal of Organic Chemistry</i> , 2022, 87, 730-736. | 1.7 | 12 |
| 98 | Modular terpene synthesis enabled by mild electrochemical couplings. <i>Science</i> , 2022, 375, 745-752. | 6.0 | 62 |
| 99 | Nitrogen-Centered Radicals in Functionalization of sp ² Systems: Generation, Reactivity, and Applications in Synthesis. <i>Chemical Reviews</i> , 2022, 122, 8181-8260. | 23.0 | 133 |
| 100 | Sulfoxylate Anion Radical-Induced Aryl Radical Generation and Intramolecular Arylation for the Synthesis of Biarylsultams. <i>Journal of Organic Chemistry</i> , 2022, 87, 4204-4214. | 1.7 | 14 |
| 101 | Ni-electrocatalytic Csp ³ -Csp ³ doubly decarboxylative coupling. <i>Nature</i> , 2022, 606, 313-318. | 13.7 | 96 |
| 102 | Synthesis of the [6.6.7.5] Tetracyclic Core of Calyciphylline N via a Boc-Mediated Oxidative Dearomatization/Diels-Alder Approach. <i>Organic Letters</i> , 2022, 24, 2694-2698. | 2.4 | 1 |
| 103 | Reductive Radical Annulation Strategy toward Bicyclo[3.2.1]octanes: Synthesis of <i>ent</i> -Kaurane and Beyerane Diterpenoids. <i>Journal of the American Chemical Society</i> , 2022, 144, 99-105. | 6.6 | 8 |
| 104 | DABCO-promoted photocatalytic C-H functionalization of aldehydes. <i>Beilstein Journal of Organic Chemistry</i> , 2021, 17, 2959-2967. | 1.3 | 4 |
| 105 | Metal-free deoxygenative coupling of alcohol-derived benzoates and pyridines for small molecules and DNA-encoded libraries synthesis. <i>Chemical Science</i> , 2022, 13, 6982-6989. | 3.7 | 19 |
| 106 | Convergent total synthesis of (+)-calcipotriol: A scalable, modular approach to vitamin D analogs. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2022, 119, e2200814119. | 3.3 | 10 |
| 107 | Dual Photoredox and Cobalt Catalysis Enabled Transformations. <i>European Journal of Organic Chemistry</i> , 2022, 2022, . | 1.2 | 26 |
| 109 | Alcohols as Alkylating Agents: Photoredox-Catalyzed Conjugate Alkylation via In Situ Deoxygenation. <i>Angewandte Chemie</i> , 0, , . | 1.6 | 4 |

| # | ARTICLE | IF | CITATIONS |
|-----|--|-----|-----------|
| 110 | Alcohols as Alkylating Agents: Photoredox-Catalyzed Conjugate Alkylation via In Situ Deoxygenation. <i>Angewandte Chemie - International Edition</i> , 2022, 61, . | 7.2 | 30 |
| 111 | Ni-Catalyzed Enantioselective Dialkyl Carbinol Synthesis via Decarboxylative Cross-Coupling: Development, Scope, and Applications. <i>Journal of the American Chemical Society</i> , 2022, 144, 10992-11002. | 6.6 | 12 |
| 112 | Catalytic Enantioselective Reductive Cross Coupling of Electron-Deficient Olefins. <i>Organic Letters</i> , 2022, 24, 4788-4792. | 2.4 | 12 |
| 113 | Carboxylic Acid-Directed Manganese(I)-Catalyzed Regioselective Hydroarylation of Unactivated Alkenes. <i>Organic Letters</i> , 2022, 24, 6154-6158. | 2.4 | 4 |
| 114 | Iron-Catalyzed Reductive Cyclization of Alkenyl Vinyllogous Carbonates for Stereoselective Synthesis of Substituted Tetrahydrofurans, Tetrahydropyrans, and Chromans. <i>Advanced Synthesis and Catalysis</i> , 0, , . | 2.1 | 4 |
| 115 | Decarboxylative Cross-Coupling: A Radical Tool in Medicinal Chemistry. <i>ACS Medicinal Chemistry Letters</i> , 2022, 13, 1413-1420. | 1.3 | 39 |
| 116 | Overcoming Limitations in Decarboxylative Arylation via Ag-Ni Electrocatalysis. <i>Journal of the American Chemical Society</i> , 2022, 144, 17709-17720. | 6.6 | 49 |
| 117 | Regiodivergent Asymmetric Pyridinium Additions: Mechanistic Insight and Synthetic Applications. <i>Chemistry - A European Journal</i> , 0, , . | 1.7 | 5 |
| 118 | Total Synthesis of the Phenolic Steroid Myrmenaphthol A. <i>Organic Letters</i> , 2022, 24, 7383-7387. | 2.4 | 4 |
| 119 | Highly Selective Radical Relay 1,4-Oxyimination of Two Electronically Differentiated Olefins. <i>Journal of the American Chemical Society</i> , 2022, 144, 21664-21673. | 6.6 | 30 |
| 120 | Asymmetric total synthesis of norzoanthamine and formal synthesis of zoanthenol. <i>Organic Chemistry Frontiers</i> , 2023, 10, 651-660. | 2.3 | 4 |
| 121 | Electroreductively Induced Radicals for Organic Synthesis. <i>Molecules</i> , 2023, 28, 857. | 1.7 | 9 |
| 122 | Efficient Amines Oxidation Using Metal-Organic Framework Photocatalysts for Aminoalkyl Radicals-Mediated Halogen-Atom Transfer. <i>Journal of Materials Chemistry A</i> , 0, , . | 5.2 | 3 |
| 123 | Combining the best of both worlds: radical-based divergent total synthesis. <i>Beilstein Journal of Organic Chemistry</i> , 0, 19, 1-26. | 1.3 | 4 |
| 124 | Asymmetric Catalytic Aerobic Oxidative Radical Addition/Hydroxylation/1,4-Aryl Migration Reaction of Olefins. <i>ACS Catalysis</i> , 2023, 13, 815-823. | 5.5 | 3 |
| 125 | Directed Photochemically Mediated Nickel-Catalyzed (Hetero)arylation of Aliphatic C-H Bonds. <i>Journal of the American Chemical Society</i> , 2023, 145, 3882-3890. | 6.6 | 4 |
| 126 | Alkyl sulfinates as cross-coupling partners for programmable and stereospecific installation of C(sp ³) bioisosteres. <i>Nature Chemistry</i> , 2023, 15, 550-559. | 6.6 | 6 |
| 127 | A Visible-Light-Induced $\dot{\text{I}}$ -Aminoalkyl-Radical-Mediated Halogen-Atom Transfer Process: Modular Synthesis of Phenanthridinone Alkaloids. <i>Organic Letters</i> , 2023, 25, 1689-1694. | 2.4 | 4 |

| # | ARTICLE | IF | CITATIONS |
|-----|--|-----|-----------|
| 128 | Redox Inversion: A Radical Analogue of Umpolung Reactivity for Base- and Metal-Free Catalytic C(sp ³)–C(sp ³) Coupling. <i>Journal of Organic Chemistry</i> , 2023, 88, 3935-3940. | 1.7 | 2 |
| 129 | Retrosynthesis from transforms to predictive sustainable chemistry and nanotechnology: a brief tutorial review. <i>Green Chemistry</i> , 2023, 25, 2971-2991. | 4.6 | 3 |
| 130 | Overcoming the limitations of Kolbe coupling with waveform-controlled electrosynthesis. <i>Science</i> , 2023, 380, 81-87. | 6.0 | 44 |
| 131 | Ni-Electrocatalytic Enantioselective Doubly Decarboxylative C(sp ³)–C(sp ³) Cross Coupling. <i>Journal of the American Chemical Society</i> , 2023, 145, 11518-11523. | 6.6 | 18 |
| 132 | Indolization of <i>N</i> -Aryl Tertiary Amines with Diazoacetates by a Single Organophotocatalyst. <i>Organic Letters</i> , 2023, 25, 3778-3783. | 2.4 | 1 |