

# If C-H Bonds Could Talk: Selective C-H Bond Oxidation

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Citation Report

#	ARTICLE	IF	CITATIONS
1	Enzyme mimics. Pure and Applied Chemistry, 1990, 62, 1859-1866.	0.9	27
2	Models for non-heme oxidation enzymes. Pure and Applied Chemistry, 1996, 68, 497-504.	0.9	23
3	Computational Study on the Mechanism and Selectivity of C-H Bond Activation and Dehydrogenative Functionalization in the Synthesis of Rhazinilam. Journal of Organic Chemistry, 2011, 76, 7180-7185.	1.7	6
4	Selectivity and Mechanism of Hydrogen Atom Transfer by an Isolable Imidoiron(III) Complex. Journal of the American Chemical Society, 2011, 133, 9796-9811.	6.6	128
5	Regio- and stereoselectivity of P450-catalysed hydroxylation of steroids controlled by laboratory evolution. Nature Chemistry, 2011, 3, 738-743.	6.6	347
6	Synthesis of 7,7-Dihydroxy-8,8-biquinolyl (azaBINOL) via Pd-Catalyzed Directed Double C-H Functionalization of 8,8-Biquinolyl: Emergence of an Atropisomer from a Tropo State. Organic Letters, 2011, 13, 4024-4027.	2.4	19
7	Photochemically Induced Radical Transformation of C(sp <sup>3</sup> )-H Bonds to C(sp <sup>3</sup> )-CN Bonds. Organic Letters, 2011, 13, 5928-5931.	2.4	157
8	Steric Modifications Tune the Regioselectivity of the Alkane Oxidation Catalyzed by Non-Heme Iron Complexes. Inorganic Chemistry, 2011, 50, 12651-12660.	1.9	51
9	C-H Activation of Cycloalkenes by Dimetallynes (M = Ge, Sn) under Ambient Conditions. Journal of the American Chemical Society, 2011, 133, 11960-11963.	6.6	69
10	Combined C-H Functionalization/Cope Rearrangement with Vinyl Ethers as a Surrogate for the Vinylogous Mukaiyama Aldol Reaction. Journal of the American Chemical Society, 2011, 133, 11940-11943.	6.6	61
11	An Unexpected Oxidation of Unactivated Methylene C-H Using DIB/TBHP Protocol. Organic Letters, 2011, 13, 4308-4311.	2.4	56
12	Lessons and revelations from biomimetic syntheses. Nature Chemical Biology, 2011, 7, 865-875.	3.9	112
13	Synthesis of Dragmacidin D via Direct C-H Couplings. Journal of the American Chemical Society, 2011, 133, 19660-19663.	6.6	146
14	Iodonium Salts Are Key Intermediates in Pd-Catalyzed Acetoxylation of Pyrroles. Organic Letters, 2011, 13, 4324-4327.	2.4	43
17	Fused Indolines by Palladium-Catalyzed Asymmetric C-C Coupling Involving an Unactivated Methylene Group. Angewandte Chemie - International Edition, 2011, 50, 7438-7441.	7.2	290
18	Copper-Catalyzed Aerobic Oxidative C-H Functionalizations: Trends and Mechanistic Insights. Angewandte Chemie - International Edition, 2011, 50, 11062-11087.	7.2	1,212
19	P450 <sub>BM3</sub> on Steroids: The Swiss Army Knife P450 Enzyme Just Gets Better. ChemBioChem, 2011, 12, 2537-2539.	1.3	13
22	Mild Rh(III)-Catalyzed C-H Activation and Annulation with Alkyne MIDA Boronates: Short, Efficient Synthesis of Heterocyclic Boronic Acid Derivatives. Journal of the American Chemical Society, 2012, 134, 19592-19595.	6.6	364

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23	Catalytic Enantioselective Allylic Amination of Unactivated Terminal Olefins via an Ene Reaction/[2,3]-Rearrangement. <i>Journal of the American Chemical Society</i> , 2012, 134, 18495-18498.	6.6	82
24	Alkane C-H Oxygenation Catalyzed by Transition Metal Complexes. <i>Catalysis By Metal Complexes</i> , 2012, , 143-228.	0.6	18
25	Controlled Oxidation of Remote sp <sup>3</sup> C-H Bonds in Artemisinin via P450 Catalysts with Fine-Tuned Regio- and Stereoselectivity. <i>Journal of the American Chemical Society</i> , 2012, 134, 18695-18704.	6.6	171
26	Selective oxidation of unactivated C-H bonds by supramolecular control. <i>Organic and Biomolecular Chemistry</i> , 2012, 10, 3122.	1.5	20
27	CATALYTIC ASYMMETRIC INTERMOLECULAR C-H INSERTION OF 1,4-CYCLOHEXADIENE WITH $\beta$ -ALKYL- $\alpha$ -DIAZOESTERS USING CHIRAL DIRHODIUM(II) CARBOXYLATES. <i>Heterocycles</i> , 2012, 86, 1647.	0.4	11
30	Easy Access to $\alpha$ -Mannosides and $\alpha$ -Galactosides by Using C-H Activation of the Corresponding $\beta$ -Deoxysugars. <i>Angewandte Chemie - International Edition</i> , 2012, 51, 12285-12288.	7.2	50
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32	Biocatalysis: Key to Selective Oxidations. <i>ChemCatChem</i> , 2012, 4, 1889-1895.	1.8	39
33	Elements of Regiocontrol in the Direct Heteroarylation of Indoles/Pyrroles: Synthesis of $\beta$ - and Fused Polycyclic Heteroarenes by Twofold or Tandem Fourfold C-H Activation. <i>Chemistry - A European Journal</i> , 2012, 18, 16616-16620.	1.7	82
34	The Role of Group 14 Element Hydrides in the Activation of C-H Bonds in Cyclic Olefins. <i>Journal of the American Chemical Society</i> , 2012, 134, 14595-14603.	6.6	50
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36	Silver(I)-Catalyzed Insertion of Carbene into Alkane C-H Bonds and the Origin of the Special Challenge of Methane Activation Using DFT as a Mechanistic Probe. <i>ACS Catalysis</i> , 2012, 2, 2066-2078.	5.5	61
37	Challenges in C-C bond formation through direct transformations of sp <sup>2</sup> C-H bonds. <i>Tetrahedron</i> , 2012, 68, 5130-5136.	1.0	82
38	Laboratory evolution of stereoselective enzymes as a means to expand the toolbox of organic chemists. <i>Tetrahedron</i> , 2012, 68, 7530-7548.	1.0	32
39	Intermolecular C-H Amination of Complex Molecules: Insights into the Factors Governing the Selectivity. <i>Journal of Organic Chemistry</i> , 2012, 77, 7232-7240.	1.7	82
40	Oxidative Aliphatic C-H Fluorination with Fluoride Ion Catalyzed by a Manganese Porphyrin. <i>Science</i> , 2012, 337, 1322-1325.	6.0	478
41	Synthetic methods Part (ii) oxidation and reduction methods. <i>Annual Reports on the Progress of Chemistry Section B</i> , 2012, 108, 29.	0.8	4
42	Pd(II)-Catalyzed Primary-C(sp <sup>3</sup> )-H Acyloxylation at Room Temperature. <i>Organic Letters</i> , 2012, 14, 3724-3727.	2.4	166

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44	Copper-Catalyzed Aerobic Aliphatic C-H Oxygenation Directed by an Amidine Moiety. <i>Journal of the American Chemical Society</i> , 2012, 134, 11980-11983.	6.6	204
45	CuI Controlled C and N Bond Formation of Heteroaromatics through $\text{C}(\text{sp}^3)$ -H Activation. <i>Organic Letters</i> , 2012, 14, 5546-5549.	2.4	115
48	Beyond Directing Groups: Transition-Metal-Catalyzed C-H Activation of Simple Arenes. <i>Angewandte Chemie - International Edition</i> , 2012, 51, 10236-10254.	7.2	1,515
49	Synthesis of Hexahydroindoles by Intramolecular C-H Alkenylation: Application to the Synthesis of the Core of Aeruginosins. <i>Angewandte Chemie - International Edition</i> , 2012, 51, 10399-10402.	7.2	59
50	Combining the Power of $\text{Ti}^{\text{III}}$ -Mediated Processes for Easy Access to Hydroxylated Polycyclic Terpenoids: Synthesis of Sesterstatin-1 and C-D Rings of Aspergilloxide. <i>Chemistry - A European Journal</i> , 2012, 18, 12825-12833.	1.7	29
52	Tuning P450 Enzymes as Oxidation Catalysts. <i>ACS Catalysis</i> , 2012, 2, 647-666.	5.5	332
53	Catalytic functionalization of unactivated primary C-H bonds directed by an alcohol. <i>Nature</i> , 2012, 483, 70-73.	13.7	366
54	Enzymatic allylic oxidations with a lyophilisate of the edible fungus <i>Pleurotus sapidus</i> . <i>Green Chemistry</i> , 2012, 14, 639.	4.6	25
55	Nitrate as a redox co-catalyst for the aerobic Pd-catalyzed oxidation of unactivated $\text{sp}^3$ -C-H bonds. <i>Chemical Science</i> , 2012, 3, 3192.	3.7	156
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57	Highly Efficient Syntheses of Azetidines, Pyrrolidines, and Indolines via Palladium Catalyzed Intramolecular Amination of $\text{C}(\text{sp}^3)$ -H and $\text{C}(\text{sp}^2)$ -H Bonds at $\beta$ and $\gamma$ Positions. <i>Journal of the American Chemical Society</i> , 2012, 134, 3-6.	6.6	515
58	Radical Amination of $\text{C}(\text{sp}^3)$ -H Bonds Using <i>N</i> -Hydroxyphthalimide and Dialkyl Azodicarboxylate. <i>Journal of Organic Chemistry</i> , 2012, 77, 9959-9969.	1.7	103
59	Catalytic aerobic production of imines en route to mild, green, and concise derivatizations of amines. <i>Chemical Science</i> , 2012, 3, 3249.	3.7	188
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61	Aromatic C-N bond formation via simultaneous activation of C-H and N-H bonds: direct oxyamination of benzene to aniline. <i>Green Chemistry</i> , 2012, 14, 1880.	4.6	21
62	Extending the utility of $[\text{Pd}(\text{NHC})(\text{cinnamyl})\text{Cl}]$ precatalysts: Direct arylation of heterocycles. <i>Beilstein Journal of Organic Chemistry</i> , 2012, 8, 1637-1643.	1.3	58
63	Synthesis of conformationally restricted glutamate and glutamine derivatives from carbonylation of orthopalladated phenylglycine derivatives. <i>Beilstein Journal of Organic Chemistry</i> , 2012, 8, 1569-1575.	1.3	7

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64	The Combined C-H Functionalization/Cope Rearrangement: Discovery and Applications in Organic Synthesis. <i>Accounts of Chemical Research</i> , 2012, 45, 923-935.	7.6	284
65	Overcoming the "Oxidant Problem": Strategies to Use O <sub>2</sub> as the Oxidant in Organometallic C-H Oxidation Reactions Catalyzed by Pd (and Cu). <i>Accounts of Chemical Research</i> , 2012, 45, 851-863.	7.6	738
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72	Iridium-Catalyzed Borylation of Secondary C-H Bonds in Cyclic Ethers. <i>Journal of the American Chemical Society</i> , 2012, 134, 12422-12425.	6.6	152
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85	Hydrogen-Abstraction Reactivity Patterns from A...to...Y: The Valence Bond Way. <i>Angewandte Chemie - International Edition</i> , 2012, 51, 5556-5578.	7.2	233
86	Synthesis of Aryl(di)azinyl Ketones through Copper- and Iron-catalyzed Oxidation of the Methylene Group of Aryl(di)azinylmethanes. <i>Angewandte Chemie - International Edition</i> , 2012, 51, 2745-2748.	7.2	129
87	An Iron(III)-Monoamidate Complex Catalyst for Selective Hydroxylation of Alkane C-H Bonds with Hydrogen Peroxide. <i>Angewandte Chemie - International Edition</i> , 2012, 51, 3448-3452.	7.2	138
88	Diversity-Oriented Synthesis of Diverse Polycyclic Scaffolds Inspired by the Logic of Sesquiterpene Lactones Biosynthesis. <i>Angewandte Chemie - International Edition</i> , 2012, 51, 5391-5394.	7.2	30

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90	Copper-Catalyzed Aerobic Dehydrogenative Cyclization of N-Methyl-N-phenylhydrazones: Synthesis of Cinnolines. <i>Angewandte Chemie - International Edition</i> , 2012, 51, 8318-8321.	7.2	114
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94	Diastereo- and Enantioselective Intramolecular C(sp <sup>3</sup> )-H Arylation for the Synthesis of Fused Cyclopentanes. <i>Chemistry - A European Journal</i> , 2012, 18, 4480-4484.	1.7	139
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104	Stereoselective Synthesis of $\beta^2$ -Alkylated $\beta^1$ -Amino Acids via Palladium-Catalyzed Alkylation of Unactivated Methylene C(sp <sup>3</sup> )-H Bonds with Primary Alkyl Halides. <i>Journal of the American Chemical Society</i> , 2013, 135, 12135-12141.	6.6	315
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108	Rh(III)-Catalyzed Synthesis of Multisubstituted Isoquinoline and Pyridine <i>N</i> -Oxides from Oximes and Diazo Compounds. <i>Journal of the American Chemical Society</i> , 2013, 135, 12204-12207.	6.6	418
109	Use of a Readily Removable Auxiliary Group for the Synthesis of Pyrrolidones by the Palladium-Catalyzed Intramolecular Amination of Unactivated $\text{sp}^3$ C-H Bonds. <i>Angewandte Chemie - International Edition</i> , 2013, 52, 11124-11128.	7.2	275
110	Selective activation of secondary C-H bonds by an iron catalyst: insights into possibilities created by the use of a carboxyl-containing bipyridine ligand. <i>New Journal of Chemistry</i> , 2013, 37, 3267.	1.4	9
111	Selectivity in CH Functionalizations. , 2013, , 79-104.		8
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114	An Iron Catalyst for Oxidation of Alkyl C-H Bonds Showing Enhanced Selectivity for Methylenic Sites. <i>Chemistry - A European Journal</i> , 2013, 19, 1908-1913.	1.7	98
115	Electronic Tuning of Iron-Oxo-Mediated C-H Activation: Effect of Electron-Donating Ligand on Selectivity. <i>Chemistry - A European Journal</i> , 2013, 19, 14697-14701.	1.7	37
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120	Iron-Catalyzed Generation of $\beta$ -Amino Nitriles from Tertiary Amines. <i>Advanced Synthesis and Catalysis</i> , 2013, 355, 3058-3070.	2.1	37
121	The preparation and properties of Cu doped TS-1 zeolite. <i>RSC Advances</i> , 2013, 3, 21628.	1.7	8
122	C-H Oxidation by $\text{H}_2\text{O}_2$ and $\text{O}_2$ Catalyzed by a Non-Heme Iron Complex with a Sterically Encumbered Tetradentate N-Donor Ligand. <i>Inorganic Chemistry</i> , 2013, 52, 13546-13554.	1.9	29
123	Steric Control of Site Selectivity in the Pd-Catalyzed C-H Acetoxylation of Simple Arenes. <i>Organic Letters</i> , 2013, 15, 5428-5431.	2.4	75
125	Indole Synthesis by Rhodium(III)-Catalyzed Hydrazine-Directed C-H Activation: Redox-Neutral and Traceless by Ni-N Bond Cleavage. <i>Angewandte Chemie - International Edition</i> , 2013, 52, 12426-12429.	7.2	341



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128	Pyridine-Directed Palladium-Catalyzed Phosphonation of C(sp <sup>2</sup> )-H Bonds. <i>Angewandte Chemie - International Edition</i> , 2013, 52, 9801-9804.	7.2	173
129	Asymmetric C(sp <sup>2</sup> )-H Activation. <i>Chemistry - A European Journal</i> , 2013, 19, 14010-14017.	1.7	224
130	Titanocene(III)-Catalyzed 6-exo Versus 7-endo Cyclizations of Epoxydiprenes: Efficient Control and Synthesis of Versatile Terpenic Building Blocks. <i>Chemistry - A European Journal</i> , 2013, 19, 14484-14495.	1.7	14
131	Metal-free, hydroacylation of C=C and N=N bonds via aerobic C-H activation of aldehydes, and reaction of the products thereof. <i>Organic and Biomolecular Chemistry</i> , 2013, 11, 7301.	1.5	51
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137	Multifold Bond Cleavage and Formation between MeOH and Quinoxalines (or Benzothiazoles): Synthesis of Carbaldehyde Dimethyl Acetals. <i>Journal of Organic Chemistry</i> , 2013, 78, 966-980.	1.7	36
139	Amino-Directed Rh <sup>III</sup> -Catalyzed C-H Activation Leading to One-Pot Synthesis of N-Substituted Carbazoles. <i>Chemistry - A European Journal</i> , 2013, 19, 1903-1907.	1.7	85
140	Microwave promoted catalyst-free benzylic C-H functionalization of methyl quinoline and Michael addition to beta-nitro styrene. <i>Tetrahedron Letters</i> , 2013, 54, 1315-1317.	0.7	27
141	An addition of benzylic sp <sup>3</sup> C-H to electron-deficient olefins. <i>Tetrahedron Letters</i> , 2013, 54, 858-860.	0.7	30
142	Regioselective Oxidation of Nonactivated Alkyl C-H Groups Using Highly Structured Non-Heme Iron Catalysts. <i>Journal of Organic Chemistry</i> , 2013, 78, 1421-1433.	1.7	112
143	Recent Advances in the Construction of Polycyclic Compounds by Palladium-Catalyzed Atom-Economical Cascade Reactions. <i>Asian Journal of Organic Chemistry</i> , 2013, 2, 18-28.	1.3	84
144	Rhodium or Ruthenium-Catalyzed Oxidative C-H/C-H Cross-Coupling: Direct Access to Extended $\pi$ -Conjugated Systems. <i>Angewandte Chemie - International Edition</i> , 2013, 52, 580-584.	7.2	180
145	Palladium-Catalyzed C(sp <sup>2</sup> ) and sp <sup>3</sup> -C-H Activation/C-O Bond Formation: Synthesis of Benzoxaphosphole 1- and 2-Oxides. <i>Organic Letters</i> , 2013, 15, 5210-5213.	2.4	57



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147	Copper-catalyzed Aerobic Intramolecular Dehydrogenative Cyclization of N,N-Disubstituted Hydrazones through C-H Functionalization. <i>Angewandte Chemie - International Edition</i> , 2013, 52, 2559-2563.	7.2	66
148	l-Proline derived mimics of the non-haem iron active site catalyse allylic oxidation in acetonitrile solutions. <i>Tetrahedron Letters</i> , 2013, 54, 1236-1238.	0.7	7
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557	Manganese(I)-Catalyzed Regio- and Stereoselective 1,2-Diheteroarylation of Allenes: Combination of C-H Activation and Smiles Rearrangement. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 9939-9943.	7.2	137
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689	Photoredox-Mediated Minisci-type Alkylation of <i>N</i> -Heteroarenes with Alkanes with High Methylene Selectivity. <i>ACS Catalysis</i> , 2018, 8, 11847-11853.	5.5	97
694	Desymmetrization of cyclohexanes by site- and stereoselective C-H functionalization. <i>Nature</i> , 2018, 564, 395-399.	13.7	100
695	Selective oxidation of cyclohexane: Ce promotion of nanostructured manganese tungstate. <i>Applied Catalysis A: General</i> , 2018, 568, 95-104.	2.2	25
696	Hydroxylation of Eleuthoside Synthetic Intermediates by P450 <sub>BM3</sub> (CYP102A1). <i>European Journal of Organic Chemistry</i> , 2018, 2018, 6369-6378.	1.2	12
697	Total Synthesis of C30 Botryococcene and <i>epi</i> -Botryococcene by a Diastereoselective Ring Opening of Alkenylcyclopropanes. <i>Angewandte Chemie</i> , 2018, 130, 13421-13425.	1.6	8
698	Visible-Light-Induced Pyridylation of Remote C(sp <sup>3</sup> )-H Bonds by Radical Translocation of <i>N</i> -Alkoxy-pyridinium Salts. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 15517-15522.	7.2	141
699	Direct C-C Bond Formation from Alkanes Using Ni-Photoredox Catalysis. <i>Journal of the American Chemical Society</i> , 2018, 140, 14059-14063.	6.6	182
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707	Regio- and chemoselective Csp <sup>3</sup> â€“H arylation of benzylamines by single electron transfer/hydrogen atom transfer synergistic catalysis. Chemical Science, 2018, 9, 8453-8460.	3.7	91
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724	Metalâ€“free crossâ€“dehydrogenative coupling approach for Câ€“H bond functionalization of 2â€“phenyl pyridine derivatives in water. <i>Heteroatom Chemistry</i> , 2018, 29, .	0.4	3
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729	Palladiumâ€“Catalyzed Î³â€“C(sp <sup>3</sup> )â€“H Arylation of Thiols by a Detachable Protecting/Directing Group. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 12352-12355.	7.2	41
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738	Epimerization of Tertiary Carbon Centers via Reversible Radical Cleavage of Unactivated C(sp <sup>3</sup> )â€“H Bonds. <i>Journal of the American Chemical Society</i> , 2018, 140, 9678-9684.	6.6	49
739	Silver-catalyzed remote Csp <sup>3</sup> -H functionalization of aliphatic alcohols. <i>Nature Communications</i> , 2018, 9, 2625.	5.8	95
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741	Iron(II)â€“Catalyzed Siteâ€“Selective Functionalization of Unactivated C(sp <sup>3</sup> )â€“H Bonds Guided by Alkoxy Radicals. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 11413-11417.	7.2	96

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743	Visible Light-Induced C-H Bond Functionalization: A Critical Review. <i>Advanced Synthesis and Catalysis</i> , 2018, 360, 4652-4698.	2.1	131
744	Site-Selective C-H Bond Activation/Functionalization of Alpha-Amino Acids and Peptide-Like Derivatives. <i>European Journal of Organic Chemistry</i> , 2018, 2018, 6050-6067.	1.2	84
745	Redox-neutral C-H cyanation of tetrahydroisoquinolines under photoredox catalysis. <i>Tetrahedron Letters</i> , 2018, 59, 3258-3261.	0.7	26
746	Photoinduced Remote Functionalization of Amides and Amines Using Electrophilic Nitrogen Radicals. <i>Angewandte Chemie</i> , 2018, 130, 13127-13131.	1.6	60
747	Metal-free alcohol-directed regioselective heteroarylation of remote unactivated C(sp <sup>3</sup> )-H bonds. <i>Nature Communications</i> , 2018, 9, 3343.	5.8	152
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758	Katalytische, aerobe Oxidation von C(sp <sup>3</sup> )-H-Bindungen. <i>Angewandte Chemie</i> , 2019, 131, 8028-8055.	1.6	35
759	Construction of Quaternary Stereocenters by Palladium-Catalyzed Carbopalladation-Initiated Cascade Reactions. <i>Angewandte Chemie</i> , 2019, 131, 1576-1587.	1.6	64

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762	Dissecting the Temperature Dependence of Electron-Proton Transfer Reactivity. <i>Journal of Physical Chemistry C</i> , 2019, 123, 21422-21428.	1.5	6
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764	Total Synthesis and Structure Revision of ( $\hat{\alpha}$ )-Illisimonin A, a Neuroprotective Sesquiterpenoid from the Fruits of <i>Illicium simonsii</i> . <i>Journal of the American Chemical Society</i> , 2019, 141, 13295-13300.	6.6	54
765	Recent Advances in Ru-Catalyzed Olefin and $\text{C-H}$ Bond Oxidation. <i>ACS Symposium Series</i> , 2019, , 85-101.	0.5	0
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767	Identifying Amidyl Radicals for Intermolecular $\text{C-H}$ Functionalizations. <i>Journal of Organic Chemistry</i> , 2019, 84, 12983-12991.	1.7	38
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772	Bioinspired Manganese and Iron Complexes for Enantioselective Oxidation Reactions: Ligand Design, Catalytic Activity, and Beyond. <i>Accounts of Chemical Research</i> , 2019, 52, 2370-2381.	7.6	102
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776	Minisci $\text{C-H}$ alkylation of <i>N</i> -heteroarenes with aliphatic alcohols via $\text{I}^2$ -scission of alkoxy radical intermediates. <i>Organic Chemistry Frontiers</i> , 2019, 6, 3205-3209.	2.3	36
777	Iron-Catalyzed Carbamoylation of Enamides with Formamides as a Direct Approach to <i>N</i> -Acyl Enamine Amides. <i>ACS Catalysis</i> , 2019, 9, 8128-8135.	5.5	42



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780	Total Synthesis and Structural Establishment/Revision of Antibiotics A54145. <i>Organic Letters</i> , 2019, 21, 5639-5644.	2.4	19
781	Copper-Catalyzed Alkynylation of C(sp <sup>3</sup> )-H Bonds in N-Fluoro-sulfonamides. <i>Advanced Synthesis and Catalysis</i> , 2019, 361, 5478-5482.	2.1	38
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784	Iridium complex immobilization on covalent organic framework for effective C-H borylation. <i>APL Materials</i> , 2019, 7, .	2.2	24
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788	Hydrogen Atom Transfer Induced Boron Retaining Coupling of Organoboronic Esters and Organolithium Reagents. <i>Journal of the American Chemical Society</i> , 2019, 141, 14126-14130.	6.6	51
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793	Enantioselective Divergent Syntheses of (+)-Bulleyanoline and Related Isoquinoline Alkaloids from the Genus <i>Corydalis</i> . <i>Journal of the American Chemical Society</i> , 2019, 141, 16085-16092.	6.6	13
794	Cercosporin-bioinspired selective photooxidation reactions under mild conditions. <i>Green Chemistry</i> , 2019, 21, 6073-6081.	4.6	41
795	A Continuing Career in Biocatalysis: Frances H. Arnold. <i>ACS Catalysis</i> , 2019, 9, 9775-9788.	5.5	26
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799	Catalyst-controlled positional-selectivity in C-H functionalizations. <i>Organic and Biomolecular Chemistry</i> , 2019, 17, 1007-1026.	1.5	50
800	Cobalt(III)-catalyzed C-H amidation of weakly coordinating sulfoxonium ylides and $\beta$ -benzoylketene dithioacetals. <i>Organic Chemistry Frontiers</i> , 2019, 6, 741-745.	2.3	41
801	Iminyl Radical-Triggered Intermolecular Distal C(sp <sup>3</sup> )-H Heteroarylation via 1,5-Hydrogen-Atom Transfer (HAT) Cascade. <i>Organic Letters</i> , 2019, 21, 917-920.	2.4	77
802	Controllable Intramolecular Unactivated C(sp <sup>3</sup> )-H Amination and Oxygenation of Carbamates. <i>Organic Letters</i> , 2019, 21, 880-884.	2.4	35
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804	NiCl <sub>2</sub> -catalyzed radical cross decarboxylative coupling between arylpropionic acids and cyclic ethers. <i>Tetrahedron Letters</i> , 2019, 60, 613-616.	0.7	7
805	Copper-Catalyzed C(sp <sup>3</sup> )-H Amidation: Sterically Driven Primary and Secondary C-H Site-Selectivity. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 3421-3425.	7.2	61
806	Double Cu-Catalyzed Direct C(sp <sup>3</sup> )-H Azidation/CuAAC Reaction: A Direct Approach towards Demanding Triazole Conjugates. <i>Chemistry - A European Journal</i> , 2019, 25, 4077-4086.	1.7	20
807	Evaluation of Polar Effects in Hydrogen Atom Transfer Reactions from Activated Phenols. <i>Journal of Organic Chemistry</i> , 2019, 84, 1778-1786.	1.7	16
808	Copper-Catalyzed C(sp <sup>3</sup> )-H Amidation: Sterically Driven Primary and Secondary C-H Site-Selectivity. <i>Angewandte Chemie</i> , 2019, 131, 3459-3463.	1.6	15
809	Iridium-catalyzed silylation of unactivated C-H bonds. <i>Tetrahedron</i> , 2019, 75, 4059-4070.	1.0	29
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814	Continued Progress towards Efficient Functionalization of Natural and Non-natural Targets under Mild Conditions: Oxygenation by C-H Bond Activation with Dioxirane. <i>Chemistry - A European Journal</i> , 2019, 25, 12003-12017.	1.7	17
815	Mild, Metal-Free Oxidative Ring-Expansion Approach for the Synthesis of Benzo[ <i>b</i> ]azepines. <i>Organic Letters</i> , 2019, 21, 4535-4539.	2.4	25

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817	Direct Observation of Primary C-H Bond Oxidation by an Oxidation Iron(IV) Porphyrin Radical Cation Complex in a Fluorinated Carbon Solvent. <i>Angewandte Chemie</i> , 2019, 131, 10979-10982.	1.6	2
818	Practical, metal-free remote heteroarylation of amides <i>via</i> unactivated C(sp <sup>3</sup> )-H bond functionalization. <i>Chemical Science</i> , 2019, 10, 6915-6919.	3.7	78
819	Oxidative mono- and di-vinylation of 1-phenylpyrazole: Aqueous Rh(III)-catalyzed cross dehydrogenative coupling reactions. <i>Catalysis Communications</i> , 2019, 129, 105727.	1.6	8
820	Direct Observation of Primary C-H Bond Oxidation by an Oxidation Iron(IV) Porphyrin Radical Cation Complex in a Fluorinated Carbon Solvent. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 10863-10866.	7.2	20
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832	Pd(II)-Catalyzed Enantioselective Alkynylation of Unbiased Methylene C(sp <sup>3</sup> )-H Bonds Using 3,3'-Fluorinated-BINOL as a Chiral Ligand. <i>Journal of the American Chemical Society</i> , 2019, 141, 4558-4563.	6.6	109
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835	Copper-Catalyzed Aerobic Oxidative Cyclization Cascade to Construct Bridged Skeletons: Total Synthesis of (±)-Suaveoline. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 6420-6424.	7.2	45
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948	Oxidative Kinetic Resolution of Cyclic Benzylic Ethers. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 176-180.	7.2	17
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956	New horizons for catalysis disclosed by supramolecular chemistry. <i>Chemical Society Reviews</i> , 2021, 50, 7681-7724.	18.7	117
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965	Practical and Selective C <sup>sp3</sup> -H Bond Chlorination via Aminium Radicals. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 7132-7139.	7.2	34
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977	Cu-Catalyzed Direct C <sup>sp3</sup> -H Alkylation of Polyfluoroarenes via Remote C <sup>sp3</sup> -H Functionalization in Carboxamides. <i>Organic Letters</i> , 2021, 23, 2693-2698.	2.4	20
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