

M Christina White

List of Publications by Year in descending order

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62
papers

11,164
citations

38742

50
h-index

114465

63
g-index

65
all docs

65
docs citations

65
times ranked

6185
citing authors

#	ARTICLE	IF	CITATIONS
1	A Predictably Selective Aliphatic C-H Oxidation Reaction for Complex Molecule Synthesis. <i>Science</i> , 2007, 318, 783-787.	12.6	1,153
2	Combined Effects on Selectivity in Fe-Catalyzed Methylene Oxidation. <i>Science</i> , 2010, 327, 566-571.	12.6	674
3	Adding Aliphatic C-H Bond Oxidations to Synthesis. <i>Science</i> , 2012, 335, 807-809.	12.6	629
4	A Sulfoxide-Promoted, Catalytic Method for the Regioselective Synthesis of Allylic Acetates from Monosubstituted Olefins via C-H Oxidation. <i>Journal of the American Chemical Society</i> , 2004, 126, 1346-1347.	13.7	494
5	A Synthetically Useful, Self-Assembling MMO Mimic System for Catalytic Alkene Epoxidation with Aqueous H ₂ O ₂ . <i>Journal of the American Chemical Society</i> , 2001, 123, 7194-7195.	13.7	456
6	Serial Ligand Catalysis: A Highly Selective Allylic C-H Oxidation. <i>Journal of the American Chemical Society</i> , 2005, 127, 6970-6971.	13.7	407
7	Iron-Catalyzed Intramolecular Allylic C-H Amination. <i>Journal of the American Chemical Society</i> , 2012, 134, 2036-2039.	13.7	337
8	Aliphatic C-H Oxidations for Late-Stage Functionalization. <i>Journal of the American Chemical Society</i> , 2018, 140, 13988-14009.	13.7	322
9	Catalyst-Controlled Aliphatic C-H Oxidations with a Predictive Model for Site-Selectivity. <i>Journal of the American Chemical Society</i> , 2013, 135, 14052-14055.	13.7	321
10	syn-1,2-Amino Alcohols via Diastereoselective Allylic C-H Amination. <i>Journal of the American Chemical Society</i> , 2007, 129, 7274-7276.	13.7	320
11	Catalytic Intermolecular Linear Allylic C-H Amination via Heterobimetallic Catalysis. <i>Journal of the American Chemical Society</i> , 2008, 130, 3316-3318.	13.7	318
12	A Chiral Lewis Acid Strategy for Enantioselective Allylic C-H Oxidation. <i>Angewandte Chemie - International Edition</i> , 2008, 47, 6448-6451.	13.8	251
13	Catalytic Intermolecular Allylic C-H Alkylation. <i>Journal of the American Chemical Society</i> , 2008, 130, 14090-14091.	13.7	251
14	A manganese catalyst for highly reactive yet chemoselective intramolecular C(sp ³)-H amination. <i>Nature Chemistry</i> , 2015, 7, 987-994.	13.6	236
15	Oxidative diversification of amino acids and peptides by small-molecule iron catalysis. <i>Nature</i> , 2016, 537, 214-219.	27.8	224
16	Total synthesis and study of 6-deoxyerythronolide B by late-stage C-H oxidation. <i>Nature Chemistry</i> , 2009, 1, 547-551.	13.6	223
17	Manganese-catalysed benzylic C(sp ³)-H amination for late-stage functionalization. <i>Nature Chemistry</i> , 2018, 10, 583-591.	13.6	221
18	Macrolactonization via Hydrocarbon Oxidation. <i>Journal of the American Chemical Society</i> , 2006, 128, 9032-9033.	13.7	217

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19	Allylic C-H Amination for the Preparation of <i>syn</i> -1,3-Amino Alcohol Motifs. <i>Journal of the American Chemical Society</i> , 2009, 131, 11707-11711.	13.7	207
20	Diverting non-haem iron catalysed aliphatic C-H hydroxylations towards desaturations. <i>Nature Chemistry</i> , 2011, 3, 216-222.	13.6	206
21	Sequential Hydrocarbon Functionalization: Allylic C-H Oxidation/Vinyl C-H Arylation. <i>Journal of the American Chemical Society</i> , 2006, 128, 15076-15077.	13.7	204
22	A General and Highly Selective Chelate-Controlled Intermolecular Oxidative Heck Reaction. <i>Journal of the American Chemical Society</i> , 2008, 130, 11270-11271.	13.7	194
23	A Catalytic, Brønsted Base Strategy for Intermolecular Allylic C-H Amination. <i>Journal of the American Chemical Society</i> , 2009, 131, 11701-11706.	13.7	191
24	Directed Metal (Oxo) Aliphatic C-H Hydroxylations: Overriding Substrate Bias. <i>Journal of the American Chemical Society</i> , 2012, 134, 9721-9726.	13.7	178
25	Remote Oxidation of Aliphatic C-H Bonds in Nitrogen-Containing Molecules. <i>Journal of the American Chemical Society</i> , 2015, 137, 14590-14593.	13.7	172
26	Molecular Complexity via C-H Activation: A Dehydrogenative Diels-Alder Reaction. <i>Journal of the American Chemical Society</i> , 2011, 133, 14892-14895.	13.7	154
27	Aerobic Linear Allylic C-H Amination: Overcoming Benzoquinone Inhibition. <i>Journal of the American Chemical Society</i> , 2016, 138, 1265-1272.	13.7	140
28	Allylic C-H Alkylation of Unactivated Olefins: Serial Ligand Catalysis Resumed. <i>Angewandte Chemie - International Edition</i> , 2011, 50, 6824-6827.	13.8	130
29	Enantioselective Allylic C-H Oxidation of Terminal Olefins to Isochromans by Palladium(II)/Chiral Sulfoxide Catalysis. <i>Angewandte Chemie - International Edition</i> , 2016, 55, 9571-9575.	13.8	130
30	Late-stage oxidative C(sp ³)-H methylation. <i>Nature</i> , 2020, 580, 621-627.	27.8	125
31	Catalyst-Controlled C=O versus C=N Allylic Functionalization of Terminal Olefins. <i>Journal of the American Chemical Society</i> , 2013, 135, 12032-12037.	13.7	110
32	The Fe(PDP)-catalyzed aliphatic C-H oxidation: a slow addition protocol. <i>Tetrahedron</i> , 2009, 65, 3078-3084.	1.9	105
33	Terminal Olefins to Chromans, Isochromans, and Pyrans via Allylic C-H Oxidation. <i>Journal of the American Chemical Society</i> , 2014, 136, 10834-10837.	13.7	104
34	Hydrocarbon Oxidation vs C-C Bond-Forming Approaches for Efficient Syntheses of Oxygenated Molecules. <i>Organic Letters</i> , 2005, 7, 223-226.	4.6	100
35	Synthesis of Complex Allylic Esters via C-H Oxidation vs C-C Bond Formation. <i>Journal of the American Chemical Society</i> , 2010, 132, 11323-11328.	13.7	97
36	Synthetic Versatility in C-H Oxidation: A Rapid Approach to Differentiated Diols and Pyrans from Simple Olefins. <i>Journal of the American Chemical Society</i> , 2011, 133, 12584-12589.	13.7	96

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37	General Allylic C-H Alkylation with Tertiary Nucleophiles. <i>Journal of the American Chemical Society</i> , 2014, 136, 5750-5754.	13.7	93
38	Remote, Late-Stage Oxidation of Aliphatic C-H Bonds in Amide-Containing Molecules. <i>Journal of the American Chemical Society</i> , 2017, 139, 14586-14591.	13.7	90
39	<i>cis</i> -Boc Amines to Oxazolidinones via Pd(II)/Bis-sulfoxide/Brønsted Acid Co-Catalyzed Allylic C-H Oxidation. <i>Journal of the American Chemical Society</i> , 2014, 136, 11176-11181.	13.7	86
40	Chemoselective methylene oxidation in aromatic molecules. <i>Nature Chemistry</i> , 2019, 11, 213-221.	13.6	86
41	Antiproliferative Hybrid Analogs of the Hormone 1 α ,25-Dihydroxyvitamin D ₃ : Design, Synthesis, and Preliminary Biological Evaluation. <i>Journal of Organic Chemistry</i> , 1997, 62, 3299-3314.	3.2	80
42	Asymmetric Allylic C-H Alkylation via Palladium(II)/ <i>cis</i> -ArSOX Catalysis. <i>Journal of the American Chemical Society</i> , 2018, 140, 10658-10662.	13.7	79
43	Polyol Synthesis through Hydrocarbon Oxidation: De Novo Synthesis of L-Galactose. <i>Angewandte Chemie - International Edition</i> , 2006, 45, 8217-8220.	13.8	75
44	Terminal Olefins to Linear α,β -Unsaturated Ketones: Pd(II)/Hypervalent Iodine Co-catalyzed Wacker Oxidation-Dehydrogenation. <i>Journal of the American Chemical Society</i> , 2013, 135, 7831-7834.	13.7	75
45	Sequential Allylic C-H Amination/Vinyl C-H Arylation: A Strategy for Unnatural Amino Acid Synthesis from α -Olefins. <i>Organic Letters</i> , 2012, 14, 1386-1389.	4.6	73
46	C-H to C-N Cross-Coupling of Sulfonamides with Olefins. <i>Journal of the American Chemical Society</i> , 2018, 140, 3202-3205.	13.7	73
47	Oxidative Heck Vinylation for the Synthesis of Complex Dienes and Polyenes. <i>Journal of the American Chemical Society</i> , 2013, 135, 8460-8463.	13.7	71
48	Catalytic C(sp ³)-C-H Alkylation via an Iron Carbene Intermediate. <i>Journal of the American Chemical Society</i> , 2017, 139, 13624-13627.	13.7	71
49	Diversification of a β -lactam pharmacophore via allylic C-H amination: accelerating effect of Lewis acid co-catalyst. <i>Tetrahedron</i> , 2010, 66, 4816-4826.	1.9	65
50	On the Macrocyclization of the Erythromycin Core: Preorganization is Not Required. <i>Angewandte Chemie - International Edition</i> , 2011, 50, 2094-2097.	13.8	62
51	Allylic C-H amination cross-coupling furnishes tertiary amines by electrophilic metal catalysis. <i>Science</i> , 2022, 376, 276-283.	12.6	44
52	A 20-epi side chain restores growth-regulatory and transcriptional activities of an A ring-modified hybrid analog of 1 α ,25-dihydroxyvitamin D ₃ without increasing its affinity to the vitamin D receptor. , 1996, 63, 149-161.		39
53	Enantioselective Allylic C-H Oxidation of Terminal Olefins to Isochromans by Palladium(II)/Chiral Sulfoxide Catalysis. <i>Angewandte Chemie</i> , 2016, 128, 9723-9727.	2.0	39
54	Late-Stage Intermolecular Allylic C-H Amination. <i>Journal of the American Chemical Society</i> , 2021, 143, 14969-14975.	13.7	30

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55	1.alpha.,25-Dihydroxyvitamin D3 Analogs Featuring Aromatic and Heteroaromatic Rings: Design, Synthesis, and Preliminary Biological Testing. <i>Journal of Medicinal Chemistry</i> , 1995, 38, 4529-4537.	6.4	29
56	Cafestol to Tricalysiolide B and Oxidized Analogues: Biosynthetic and Derivatization Studies Using Non-heme Iron Catalyst Fe(PDP). <i>Synlett</i> , 2012, 23, 2768-2772.	1.8	28
57	A C-H oxidation approach for streamlining synthesis of chiral polyoxygenated motifs. <i>Tetrahedron</i> , 2013, 69, 7771-7778.	1.9	25
58	<i>Organometallics</i> Roundtable 2013-2014. <i>Organometallics</i> , 2014, 33, 1505-1527.	2.3	24
59	Synthesis of anti-1,3 Amino Alcohol Motifs via Pd(II)/SOX Catalysis with the Capacity for Stereodivergence. <i>Journal of the American Chemical Society</i> , 2019, 141, 9468-9473.	13.7	24
60	Chemoselective Tertiary C-H Hydroxylation for Late-Stage Functionalization with Mn(PDP)/Chloroacetic Acid Catalysis. <i>Advanced Synthesis and Catalysis</i> , 2020, 362, 417-423.	4.3	23
61	Base-Metal Catalysis: Embrace the Wild Side. <i>Advanced Synthesis and Catalysis</i> , 2016, 358, 2364-2365.	4.3	18
62	C-H Bond Functionalization & Synthesis in the 21st Century: A Brief History and Prospectus. <i>Synlett</i> , 2012, 23, .	1.8	10