

M Kevin Brown

List of Publications by Year in descending order

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76
papers

5,251
citations

100601

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100535

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all docs

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docs citations

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times ranked

3030
citing authors

#	ARTICLE	IF	CITATIONS
1	Cyclobutane and Cyclobutene Synthesis: Catalytic Enantioselective [2+2] Cycloadditions. <i>Angewandte Chemie - International Edition</i> , 2015, 54, 11918-11928.	7.2	244
2	Copper-Catalyzed Cross-Coupling of Boronic Esters with Aryl Iodides and Application to the Carboboration of Alkynes and Allenes. <i>Angewandte Chemie - International Edition</i> , 2014, 53, 3475-3479.	7.2	230
3	A Practical Method for Enantioselective Synthesis of All-Carbon Quaternary Stereogenic Centers through NHC-Cu-Catalyzed Conjugate Additions of Alkyl- and Arylzinc Reagents to I ² -Substituted Cyclic Enones. <i>Journal of the American Chemical Society</i> , 2006, 128, 7182-7184.	6.6	228
4	All-Carbon Quaternary Stereogenic Centers by Enantioselective Cu-Catalyzed Conjugate Additions Promoted by a Chiral N-Heterocyclic Carbene. <i>Angewandte Chemie - International Edition</i> , 2007, 46, 1097-1100.	7.2	219
5	Highly Site- and Enantioselective Cu-Catalyzed Allylic Alkylation Reactions with Easily Accessible Vinylaluminum Reagents. <i>Journal of the American Chemical Society</i> , 2008, 130, 446-447.	6.6	207
6	Catalytic Enantioselective Arylboration of Alkenylarenes. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 851-855.	7.2	183
7	Enantioselective Synthesis of All-Carbon Quaternary Stereogenic Centers by Catalytic Asymmetric Conjugate Additions of Alkyl and Aryl Aluminum Reagents to Five-, Six-, and Seven-Membered I ² -Substituted Cyclic Enones. <i>Angewandte Chemie - International Edition</i> , 2008, 47, 7358-7362.	7.2	182
8	Catalyst Controlled Regiodivergent Arylboration of Dienes. <i>Journal of the American Chemical Society</i> , 2017, 139, 9823-9826.	6.6	178
9	Copper/Palladium Synergistic Catalysis for the <i>syn</i> - and <i>anti</i> -Selective Carboboration of Alkenes. <i>Angewandte Chemie - International Edition</i> , 2015, 54, 5228-5231.	7.2	170
10	Alkene Carboboration Enabled by Synergistic Catalysis. <i>Chemistry - A European Journal</i> , 2014, 20, 12032-12036.	1.7	154
11	Catalytic Enantioselective Diarylation of Alkenes. <i>Journal of the American Chemical Society</i> , 2015, 137, 14578-14581.	6.6	134
12	Nickel-Catalyzed Stereoselective Diarylation of Alkenylarenes. <i>Journal of the American Chemical Society</i> , 2018, 140, 10653-10657.	6.6	130
13	Regioselective Arylboration of Isoprene and Its Derivatives by Pd/Cu Cooperative Catalysis. <i>Journal of the American Chemical Society</i> , 2017, 139, 7721-7724.	6.6	127
14	Highly Enantioselective Cu-Catalyzed Conjugate Additions of Dialkylzinc Reagents to Unsaturated Furanones and Pyranones: Preparation of Air-Stable and Catalytically Active Cu-Peptide Complexes. <i>Angewandte Chemie - International Edition</i> , 2005, 44, 5306-5310.	7.2	124
15	Enantioselective Total Synthesis of Clavirolide C. Applications of Cu-Catalyzed Asymmetric Conjugate Additions and Ru-Catalyzed Ring-Closing Metathesis. <i>Journal of the American Chemical Society</i> , 2008, 130, 12904-12906.	6.6	120
16	Nickel-Catalyzed Stereoselective Arylboration of Unactivated Alkenes. <i>Journal of the American Chemical Society</i> , 2018, 140, 159-162.	6.6	119
17	Photochemical intermolecular dearomative cycloaddition of bicyclic azaarenes with alkenes. <i>Science</i> , 2021, 371, 1338-1345.	6.0	119
18	Copper-Catalyzed Borylacylation of Activated Alkenes with Acid Chlorides. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 13314-13318.	7.2	118

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19	Diarylation of Alkenes by a Cu-Catalyzed Migratory Insertion/Cross-Coupling Cascade. <i>Journal of the American Chemical Society</i> , 2014, 136, 14730-14733.	6.6	117
20	Catalyst-Controlled 1,2- and 1,1-Arylboration of β -Alkyl Alkenyl Arenes. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 1719-1723.	7.2	101
21	Catalytic Enantioselective Formation of Chiral-Bridged Dienes Which Are Themselves Ligands for Enantioselective Catalysis. <i>Organic Letters</i> , 2010, 12, 172-175.	2.4	91
22	Catalytic Enantioselective Allenolate-Alkene [2 + 2] Cycloadditions. <i>Journal of the American Chemical Society</i> , 2015, 137, 3482-3485.	6.6	87
23	Ni-Catalyzed Arylboration of Unactivated Alkenes: Scope and Mechanistic Studies. <i>Journal of the American Chemical Society</i> , 2019, 141, 9391-9400.	6.6	78
24	Strain-Release [2 π + 2 π] Cycloadditions for the Synthesis of Bicyclo[2.1.1]hexanes Initiated by Energy Transfer. <i>Journal of the American Chemical Society</i> , 2022, 144, 7988-7994.	6.6	77
25	Catalytic Enantioselective Arylboration of Alkenylarenes. <i>Angewandte Chemie</i> , 2017, 129, 869-873.	1.6	75
26	Copper-Catalyzed Heteroarylboration of 1,3-Dienes with 3-Bromopyridines: A <i>cine</i> Substitution. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 6146-6149.	7.2	72
27	Lewis Acid-Promoted Ketene-Alkene [2 + 2] Cycloadditions. <i>Journal of the American Chemical Society</i> , 2013, 135, 1673-1676.	6.6	60
28	Total Synthesis of Gracilioetherin: Development and Application of Lewis Acid Promoted Ketene-Alkene [2+2] Cycloadditions and Late-Stage C-H Oxidation. <i>Angewandte Chemie - International Edition</i> , 2014, 53, 14522-14526.	7.2	58
29	Collaborative Total Synthesis: Routes to (\pm)-Hippolachnin A Enabled by Quadricyclane Cycloaddition and Late-Stage C-H Oxidation. <i>Journal of the American Chemical Society</i> , 2016, 138, 2437-2442.	6.6	54
30	Nickel-Catalyzed Arylboration of Alkenylarenes: Synthesis of Boron-Substituted Quaternary Carbons and Regiodivergent Reactions. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 10956-10960.	7.2	53
31	Stereoselective Synthesis of All-Carbon Tetrasubstituted Alkenes from In Situ Generated Ketenes and Organometallic Reagents. <i>Organic Letters</i> , 2013, 15, 1610-1613.	2.4	49
32	Allenolates in Enantioselective [2+2] Cycloadditions: From a Mechanistic Curiosity to a Stereospecific Transformation. <i>Journal of the American Chemical Society</i> , 2018, 140, 15943-15949.	6.6	49
33	Mechanism of the Enantioselective Oxidation of Racemic Secondary Alcohols Catalyzed by Chiral Mn(III)-Salen Complexes. <i>Journal of the American Chemical Society</i> , 2010, 132, 11165-11170.	6.6	48
34	Sulfonate N-Heterocyclic Carbene-Copper Complexes: Uniquely Effective Catalysts for Enantioselective Synthesis of C-C, C-B, C-H, and C-Si Bonds. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 21304-21359.	7.2	44
35	Synthesis of <i>ent</i> -[3]-Ladderanol: Development and Application of Intramolecular Chirality Transfer [2+2] Cycloadditions of Allenic Ketones and Alkenes. <i>Journal of the American Chemical Society</i> , 2017, 139, 14392-14395.	6.6	42
36	Lessons in Strain and Stability: Enantioselective Synthesis of (+)-[5]-Ladderanoic Acid. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 436-441.	7.2	41

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37	Copper-Catalyzed Borylacylation of Activated Alkenes with Acid Chlorides. <i>Angewandte Chemie</i> , 2017, 129, 13499-13503.	1.6	38
38	Nickel-Catalyzed Dearomative Arylboration of Indoles: Regioselective Synthesis of C2- and C3-Borylated Indolines. <i>Journal of the American Chemical Society</i> , 2021, 143, 16502-16511.	6.6	38
39	Synthesis of 1,3-Substituted Cyclobutanes by Allenolate-Alkene [2 + 2] Cycloaddition. <i>Journal of Organic Chemistry</i> , 2016, 81, 8050-8060.	1.7	36
40	Cooperative Pd/Cu Catalysis for Alkene Arylboration: Opportunities for Divergent Reactivity. <i>ACS Catalysis</i> , 2022, 12, 2058-2063.	5.5	35
41	Synthesis of (âˆ™)-Hebelophyllene...E: An Entry to Geminal Dimethyl-Cyclobutanes by [2+2] Cycloaddition of Alkenes and Allenolates. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 4647-4651.	7.2	32
42	Canvass: A Crowd-Sourced, Natural-Product Screening Library for Exploring Biological Space. <i>ACS Central Science</i> , 2018, 4, 1727-1741.	5.3	32
43	Synthesis of Bisheteroarylalkanes by Heteroarylboration: Development and Application of a Pyridylidene-Copper Complex. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 6048-6052.	7.2	32
44	Catalyst-Controlled 1,2- and 1,1-Arylboration of β -Alkyl Alkenyl Arenes. <i>Angewandte Chemie</i> , 2019, 131, 1733-1737.	1.6	32
45	Three-Component Ni-Catalyzed Silylacylation of Alkenes. <i>ACS Catalysis</i> , 2021, 11, 1858-1862.	5.5	32
46	Intramolecular Chirality Transfer [2 + 2] Cycloadditions of Allenolates and Alkenes. <i>Organic Letters</i> , 2017, 19, 3703-3706.	2.4	31
47	Ni-catalyzed 1,2-benzylboration of 1,2-disubstituted unactivated alkenes. <i>Chemical Science</i> , 2019, 10, 10944-10947.	3.7	31
48	Origins of Diastereoselectivity in Lewis Acid Promoted Ketene-Alkene [2 + 2] Cycloadditions. <i>Organic Letters</i> , 2014, 16, 5168-5171.	2.4	28
49	Catalytic Arylboration of Spirocyclic Cyclobutenes: Rapid Access to Highly Substituted Spiro[3.n]alkanes. <i>ACS Catalysis</i> , 2021, 11, 12815-12820.	5.5	27
50	Copper-catalyzed cross-coupling of aryl-, primary alkyl-, and secondary alkylboranes with heteroaryl bromides. <i>Chemical Communications</i> , 2018, 54, 5381-5384.	2.2	25
51	Recent advances in the synthesis of gem-dimethylcyclobutane natural products. <i>Natural Product Reports</i> , 2019, 36, 1383-1393.	5.2	25
52	Photosensitized [2+2] Cycloadditions of Alkenylboronates and Alkenes. <i>Angewandte Chemie - International Edition</i> , 2022, 61, e202200725.	7.2	22
53	Mechanism-Based Design of an Amide-Directed Ni-Catalyzed Arylboration of Cyclopentene Derivatives. <i>Organic Letters</i> , 2021, 23, 612-616.	2.4	20
54	Evolution of a Strategy for the Enantioselective Synthesis of (âˆ™)-Cajanusine. <i>Journal of the American Chemical Society</i> , 2020, 142, 5002-5006.	6.6	19

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55	Modular Synthesis of a Versatile Double- π -Allylation Reagent for Complex Diol Synthesis. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 16027-16034.	7.2	18
56	Lessons in Strain and Stability: Enantioselective Synthesis of (+)- β -Ladderanoic Acid. <i>Angewandte Chemie</i> , 2020, 132, 444-449.	1.6	17
57	Copper-Catalyzed Heteroarylboration of 1,3-Dienes with β -Bromopyridines: A <i>cine</i> Substitution. <i>Angewandte Chemie</i> , 2018, 130, 6254-6257.	1.6	16
58	Stereoselective [4+2]-Cycloaddition with Chiral Alkenylboranes. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 11432-11439.	7.2	16
59	Allenylidene Induced 1,2-Metalate Rearrangement of Indole-Boronates: Diastereoselective Access to Highly Substituted Indolines. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 12366-12370.	7.2	15
60	Nickel-Catalyzed Arylboration of Alkenylarenes: Synthesis of Boron-Substituted Quaternary Carbons and Regiodivergent Reactions. <i>Angewandte Chemie</i> , 2019, 131, 11072-11076.	1.6	14
61	Regioselective Arylboration of 1,3-Butadiene. <i>Israel Journal of Chemistry</i> , 2020, 60, 394-397.	1.0	14
62	Sulfonate N-Heterocyclic Carbene-Copper Complexes: Uniquely Effective Catalysts for Enantioselective Synthesis of C-C, C-B, C-H, and C-Si Bonds. <i>Angewandte Chemie</i> , 2020, 132, 21488-21543.	1.6	13
63	Ladderane Natural Products: From the Ground Up. <i>Chemistry - A European Journal</i> , 2021, 27, 565-576.	1.7	13
64	Synthesis of (β)-Hebelophyllene...E: An Entry to Geminal Dimethyl-Cyclobutanes by [2+2] Cycloaddition of Alkenes and Allenates. <i>Angewandte Chemie</i> , 2018, 130, 4737-4741.	1.6	11
65	Construction of congested Csp ³ -Csp ³ bonds by a formal Ni-catalyzed alkylation. <i>Chemical Science</i> , 2021, 12, 5517-5521.	3.7	11
66	An unexpected Lewis acid catalyzed Diels-Alder cycloaddition of aryl allenes and acrylates. <i>Tetrahedron</i> , 2016, 72, 3759-3765.	1.0	10
67	Thioallenates in catalytic enantioselective [2+2]-cycloadditions with unactivated alkenes. <i>Tetrahedron</i> , 2019, 75, 3265-3271.	1.0	10
68	Synthesis of Bisheteroarylalkanes by Heteroarylboration: Development and Application of a Pyridylidene-Copper Complex. <i>Angewandte Chemie</i> , 2019, 131, 6109-6113.	1.6	9
69	(Hetero)arylboration of alkynes: a strategy for the synthesis of β , β -bis(hetero)arylketones. <i>Organic and Biomolecular Chemistry</i> , 2019, 17, 5913-5915.	1.5	8
70	Nickel-Catalyzed Arylboration of Cyclopentene. <i>Organic Syntheses</i> , 2020, 97, 355-367.	1.0	8
71	Bringing Organic Chemistry to the Public: Structure and Scent in a Science Museum. <i>Journal of Chemical Education</i> , 2017, 94, 251-255.	1.1	7
72	Stereoselective [4+2]-Cycloaddition with Chiral Alkenylboranes. <i>Angewandte Chemie</i> , 2020, 132, 11529-11536.	1.6	7

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73	Photosensitized [2+2] Cycloadditions of Alkenylboronates and Alkenes. <i>Angewandte Chemie</i> , 2022, 134, .	1.6	7
74	Enantioselective Synthesis of (+)-Hippolide J and Reevaluation of Antifungal Activity. <i>Organic Letters</i> , 2020, 22, 7743-7746.	2.4	4
75	Allenylidene Induced 1,2-Metalate Rearrangement of Indole-Boronates: Diastereoselective Access to Highly Substituted Indolines. <i>Angewandte Chemie</i> , 2021, 133, 12474-12478.	1.6	2
76	Modular Synthesis of a Versatile Double-Allylation Reagent for Complex Diol Synthesis. <i>Angewandte Chemie</i> , 2021, 133, 16163-16170.	1.6	2