

# M Kevin Brown

## List of Publications by Year in descending order

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76  
papers

5,251  
citations

87888

38  
h-index

88630

70  
g-index

88  
all docs

88  
docs citations

88  
times ranked

2807  
citing authors

#	ARTICLE	IF	CITATIONS
1	Cooperative Pd/Cu Catalysis for Alkene Arylboration: Opportunities for Divergent Reactivity. ACS Catalysis, 2022, 12, 2058-2063.	11.2	35
2	Photosensitized [2+2] Cycloadditions of Alkenylboronates and Alkenes. Angewandte Chemie - International Edition, 2022, 61, e202200725.	13.8	22
3	Strain-Release [2+2] Cycloadditions for the Synthesis of Bicyclo[2.1.1]hexanes Initiated by Energy Transfer. Journal of the American Chemical Society, 2022, 144, 7988-7994.	13.7	77
4	Photosensitized [2+2] Cycloadditions of Alkenylboronates and Alkenes. Angewandte Chemie, 2022, 134, .	2.0	7
5	Ladderane Natural Products: From the Ground Up. Chemistry - A European Journal, 2021, 27, 565-576.	3.3	13
6	Construction of congested Csp <sup>3</sup> -Csp <sup>3</sup> bonds by a formal Ni-catalyzed alkylation. Chemical Science, 2021, 12, 5517-5521.	7.4	11
7	Mechanism-Based Design of an Amide-Directed Ni-Catalyzed Arylboration of Cyclopentene Derivatives. Organic Letters, 2021, 23, 612-616.	4.6	20
8	Three-Component Ni-Catalyzed Silylacetylation of Alkenes. ACS Catalysis, 2021, 11, 1858-1862.	11.2	32
9	Photochemical intermolecular dearomative cycloaddition of bicyclic azaarenes with alkenes. Science, 2021, 371, 1338-1345.	12.6	119
10	Allenylidene Induced 1,2-Metalate Rearrangement of Indole-Boronates: Diastereoselective Access to Highly Substituted Indolines. Angewandte Chemie - International Edition, 2021, 60, 12366-12370.	13.8	15
11	Allenylidene Induced 1,2-Metalate Rearrangement of Indole-Boronates: Diastereoselective Access to Highly Substituted Indolines. Angewandte Chemie, 2021, 133, 12474-12478.	2.0	2
12	Modular Synthesis of a Versatile Double-Allylation Reagent for Complex Diol Synthesis. Angewandte Chemie, 2021, 133, 16163-16170.	2.0	2
13	Modular Synthesis of a Versatile Double-Allylation Reagent for Complex Diol Synthesis. Angewandte Chemie - International Edition, 2021, 60, 16027-16034.	13.8	18
14	Nickel-Catalyzed Dearomative Arylboration of Indoles: Regioselective Synthesis of C2- and C3-Borylated Indolines. Journal of the American Chemical Society, 2021, 143, 16502-16511.	13.7	38
15	Catalytic Arylboration of Spirocyclic Cyclobutenes: Rapid Access to Highly Substituted Spiro[3.n]alkanes. ACS Catalysis, 2021, 11, 12815-12820.	11.2	27
16	Lessons in Strain and Stability: Enantioselective Synthesis of (+)-[5]Ladderanoic Acid. Angewandte Chemie, 2020, 132, 444-449.	2.0	17
17	Lessons in Strain and Stability: Enantioselective Synthesis of (+)-[5]Ladderanoic Acid. Angewandte Chemie - International Edition, 2020, 59, 436-441.	13.8	41
18	Regioselective Arylboration of 1,3-Butadiene. Israel Journal of Chemistry, 2020, 60, 394-397.	2.3	14

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19	Enantioselective Synthesis of (+)-Hippolide J and Reevaluation of Antifungal Activity. <i>Organic Letters</i> , 2020, 22, 7743-7746.	4.6	4
20	Sulfonate Nâ€Heterocyclic Carbeneâ€Copper Complexes: Uniquely Effective Catalysts for Enantioselective Synthesis of CâˆC, CâˆB, CâˆH, and CâˆSi Bonds. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 21304-21359.	13.8	44
21	Sulfonate Nâ€Heterocyclic Carbeneâ€Copper Complexes: Uniquely Effective Catalysts for Enantioselective Synthesis of CâˆC, CâˆB, CâˆH, and CâˆSi Bonds. <i>Angewandte Chemie</i> , 2020, 132, 21488-21543.	2.0	13
22	Stereoselective [4+2]â€Cycloaddition with Chiral Alkenylboranes. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 11432-11439.	13.8	16
23	Stereoselective [4+2]â€Cycloaddition with Chiral Alkenylboranes. <i>Angewandte Chemie</i> , 2020, 132, 11529-11536.	2.0	7
24	Evolution of a Strategy for the Enantioselective Synthesis of (âˆ)-Cajanusine. <i>Journal of the American Chemical Society</i> , 2020, 142, 5002-5006.	13.7	19
25	Nickel-Catalyzed Arylboration of Cyclopentene. <i>Organic Syntheses</i> , 2020, 97, 355-367.	1.0	8
26	Nickelâ€Catalyzed Arylboration of Alkenylarenes: Synthesis of Boronâ€Substituted Quaternary Carbons and Regiodivergent Reactions. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 10956-10960.	13.8	53
27	Nickelâ€Catalyzed Arylboration of Alkenylarenes: Synthesis of Boronâ€Substituted Quaternary Carbons and Regiodivergent Reactions. <i>Angewandte Chemie</i> , 2019, 131, 11072-11076.	2.0	14
28	Ni-catalyzed 1,2-benzylboration of 1,2-disubstituted unactivated alkenes. <i>Chemical Science</i> , 2019, 10, 10944-10947.	7.4	31
29	Ni-Catalyzed Arylboration of Unactivated Alkenes: Scope and Mechanistic Studies. <i>Journal of the American Chemical Society</i> , 2019, 141, 9391-9400.	13.7	78
30	(Hetero)arylboration of alkynes: a strategy for the synthesis of $\hat{1}\pm, \hat{1}\pm$ -bis(hetero)arylketones. <i>Organic and Biomolecular Chemistry</i> , 2019, 17, 5913-5915.	2.8	8
31	Thioallenoates in catalytic enantioselective [2+2]-cycloadditions with unactivated alkenes. <i>Tetrahedron</i> , 2019, 75, 3265-3271.	1.9	10
32	Synthesis of Bisheteroarylalkanes by Heteroarylboration: Development and Application of a Pyridylideneâ€Copper Complex. <i>Angewandte Chemie</i> , 2019, 131, 6109-6113.	2.0	9
33	Synthesis of Bisheteroarylalkanes by Heteroarylboration: Development and Application of a Pyridylideneâ€Copper Complex. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 6048-6052.	13.8	32
34	Recent advances in the synthesis of <i>gem</i> -dimethylcyclobutane natural products. <i>Natural Product Reports</i> , 2019, 36, 1383-1393.	10.3	25
35	Catalystâ€Controlled 1,2â€and 1,1â€Arylboration of $\hat{1}\pm$ -Alkyl Alkenyl Arenes. <i>Angewandte Chemie</i> , 2019, 131, 1733-1737.	2.0	32
36	Catalystâ€Controlled 1,2â€and 1,1â€Arylboration of $\hat{1}\pm$ -Alkyl Alkenyl Arenes. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 1719-1723.	13.8	101

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37	Synthesis of (E)-Hebelophyllene: An Entry to Geminal Dimethylcyclobutanes by [2+2] Cycloaddition of Alkenes and Allenates. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 4647-4651.	13.8	32
38	Synthesis of (E)-Hebelophyllene: An Entry to Geminal Dimethylcyclobutanes by [2+2] Cycloaddition of Alkenes and Allenates. <i>Angewandte Chemie</i> , 2018, 130, 4737-4741.	2.0	11
39	Nickel-Catalyzed Stereoselective Arylboration of Unactivated Alkenes. <i>Journal of the American Chemical Society</i> , 2018, 140, 159-162.	13.7	119
40	Copper-catalyzed cross-coupling of aryl-, primary alkyl-, and secondary alkylboranes with heteroaryl bromides. <i>Chemical Communications</i> , 2018, 54, 5381-5384.	4.1	25
41	Copper-Catalyzed Heteroarylboronation of 1,3-Dienes with <i>o</i> -Bromopyridines: A <i>cis</i> Substitution. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 6146-6149.	13.8	72
42	Canvass: A Crowd-Sourced, Natural-Product Screening Library for Exploring Biological Space. <i>ACS Central Science</i> , 2018, 4, 1727-1741.	11.3	32
43	Allenates 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.	13.7	49
44	Copper-Catalyzed Heteroarylboronation of 1,3-Dienes with <i>o</i> -Bromopyridines: A <i>cis</i> Substitution. <i>Angewandte Chemie</i> , 2018, 130, 6254-6257.	2.0	16
45	Nickel-Catalyzed Stereoselective Diarylation of Alkenylarenes. <i>Journal of the American Chemical Society</i> , 2018, 140, 10653-10657.	13.7	130
46	Regioselective Arylboration of Isoprene and Its Derivatives by Pd/Cu Cooperative Catalysis. <i>Journal of the American Chemical Society</i> , 2017, 139, 7721-7724.	13.7	127
47	Catalytic Enantioselective Arylboration of Alkenylarenes. <i>Angewandte Chemie</i> , 2017, 129, 869-873.	2.0	75
48	Catalytic Enantioselective Arylboration of Alkenylarenes. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 851-855.	13.8	183
49	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.	13.7	42
50	Copper-Catalyzed Borylacylation of Activated Alkenes with Acid Chlorides. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 13314-13318.	13.8	118
51	Copper-Catalyzed Borylacylation of Activated Alkenes with Acid Chlorides. <i>Angewandte Chemie</i> , 2017, 129, 13499-13503.	2.0	38
52	Catalyst Controlled Regiodivergent Arylboration of Dienes. <i>Journal of the American Chemical Society</i> , 2017, 139, 9823-9826.	13.7	178
53	Intramolecular Chirality Transfer [2 + 2] Cycloadditions of Allenates and Alkenes. <i>Organic Letters</i> , 2017, 19, 3703-3706.	4.6	31
54	Bringing Organic Chemistry to the Public: Structure and Scent in a Science Museum. <i>Journal of Chemical Education</i> , 2017, 94, 251-255.	2.3	7

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55	Synthesis of 1,3-Substituted Cyclobutanes by Allenolate-Alkene [2 + 2] Cycloaddition. <i>Journal of Organic Chemistry</i> , 2016, 81, 8050-8060.	3.2	36
56	An unexpected Lewis acid catalyzed Diels-Alder cycloaddition of aryl allenes and acrylates. <i>Tetrahedron</i> , 2016, 72, 3759-3765.	1.9	10
57	Collaborative Total Synthesis: Routes to (±)-Hippolachnin A Enabled by Quadricyclane Cycloaddition and Late-Stage C-H Oxidation. <i>Journal of the American Chemical Society</i> , 2016, 138, 2437-2442.	13.7	54
58	Cyclobutane and Cyclobutene Synthesis: Catalytic Enantioselective [2+2] Cycloadditions. <i>Angewandte Chemie - International Edition</i> , 2015, 54, 11918-11928.	13.8	244
59	Catalytic Enantioselective Diarylation of Alkenes. <i>Journal of the American Chemical Society</i> , 2015, 137, 14578-14581.	13.7	134
60	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.	13.8	170
61	Catalytic Enantioselective Allenolate-Alkene [2 + 2] Cycloadditions. <i>Journal of the American Chemical Society</i> , 2015, 137, 3482-3485.	13.7	87
62	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.	13.8	230
63	Total Synthesis of Gracilioetherin F: 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.	13.8	58
64	Diarylation of Alkenes by a Cu-Catalyzed Migratory Insertion/Cross-Coupling Cascade. <i>Journal of the American Chemical Society</i> , 2014, 136, 14730-14733.	13.7	117
65	Alkene Carboboration Enabled by Synergistic Catalysis. <i>Chemistry - A European Journal</i> , 2014, 20, 12032-12036.	3.3	154
66	Origins of Diastereoselectivity in Lewis Acid Promoted Ketene-Alkene [2 + 2] Cycloadditions. <i>Organic Letters</i> , 2014, 16, 5168-5171.	4.6	28
67	Lewis Acid-Promoted Ketene-Alkene [2 + 2] Cycloadditions. <i>Journal of the American Chemical Society</i> , 2013, 135, 1673-1676.	13.7	60
68	Stereoselective Synthesis of All-Carbon Tetrasubstituted Alkenes from In Situ Generated Ketenes and Organometallic Reagents. <i>Organic Letters</i> , 2013, 15, 1610-1613.	4.6	49
69	Catalytic Enantioselective Formation of Chiral-Bridged Dienes Which Are Themselves Ligands for Enantioselective Catalysis. <i>Organic Letters</i> , 2010, 12, 172-175.	4.6	91
70	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.	13.7	48
71	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 Ring Substituted Cyclic Enones. <i>Angewandte Chemie - International Edition</i> , 2008, 47, 7358-7362.	13.8	182
72	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.	13.7	207

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73	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.	13.7	120
74	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.	13.8	219
75	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 <sup>2</sup> -Substituted Cyclic Enones. <i>Journal of the American Chemical Society</i> , 2006, 128, 7182-7184.	13.7	228
76	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.	13.8	124