Phil S Baran

List of Publications by Year
in descending order

202 papers	34,636 citations	2975 93 h-index	3579 181 g-index
280 all docs	280 docs citations	280 times ranked	17123 citing authors

#	Article	IF	Citations
1	Modular terpene synthesis enabled by mild electrochemical couplings. Science, 2022, 375, 745-752.	12.6	62
2	Modular Access to Diverse Chemiluminescent Dioxetaneâ€Łuminophores through Convergent Synthesis. Angewandte Chemie, 2022, 134, .	2.0	6
3	Chemoselective (Hetero)Arene Electroreduction Enabled by Rapid Alternating Polarity. Journal of the American Chemical Society, 2022, 144, 5762-5768.	13.7	52
4	Ni-electrocatalytic Csp3â€“Csp3 doubly decarboxylative coupling. Nature, 2022, 606, 313-318.	27.8	96
5	Convergent total synthesis of (+)-calcipotriol: A scalable, modular approach to vitamin D analogs. Proceedings of the National Academy of Sciences of the United States of America, 2022, 119, e2200814119.	7.1	10
6	Cobalt-electrocatalytic HAT for functionalization of unsaturated Câ€“C bonds. Nature, 2022, 605, 687-695.	27.8	65
7	Total Synthesis of Kibdelomycin. Angewandte Chemie - International Edition, 2022, 61, .	13.8	5
8	Ni-Catalyzed Enantioselective Dialkyl Carbinol Synthesis via Decarboxylative Cross-Coupling: Development, Scope, and Applications. Journal of the American Chemical Society, 2022, 144, 10992-11002.	13.7	12
9	Electrochemical Cyclobutane Synthesis in Flow: Scale-Up of a Promising Melt-Castable Energetic Intermediate. Organic Process Research and Development, 2021, 25, 2639-2645.	2.7	19
10	Ideality in Context: Motivations for Total Synthesis. Accounts of Chemical Research, 2021, 54, 605-617.	15.6	43
11	Electrochemically driven desaturation of carbonyl compounds. Nature Chemistry, 2021, 13, 367-372.	13.6	44
12	Total Synthesis of Teleocidins B-1-B-4 by Redox-Relay Chain Walking (RRCW). Yuki Gosei Kagaku Kyokaishi/Journal of Synthetic Organic Chemistry, 2021, 79, 333-343.	0.1	0
13	<i>N</i>-Ammonium Ylide Mediators for Electrochemical Câ€“H Oxidation. Journal of the American Chemical Society, 2021, 143, 7859-7867.	13.7	62
14	Electrochemical Nozakiâ€“Hiyamaâ€“Kishi Coupling: Scope, Applications, and Mechanism. Journal of the American Chemical Society, 2021, 143, 9478-9488.	13.7	78
15	1,2-Difunctionalized bicyclo[1.1.1]pentanes: Longâ€“sought-after mimetics for <i>ortho</i> / <i>meta</i> -substituted arenes. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, .	7.1	50
16	Practical and Regioselective Synthesis of C-4-Alkylated Pyridines. Journal of the American Chemical Society, 2021, 143, 11927-11933.	13.7	47
17	Electrochemical borylation of carboxylic acids. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, .	7.1	37
18	Convergent synthesis of (R)-silodosin via decarboxylative cross-coupling. Tetrahedron Letters, 2021, 79, 153290.	1.4	2

#	Article	IF	Citations
19	Chemoselective, Scalable Nickelâ€Electrocatalytic O â€Arylation of Alcohols. Angewandte Chemie, 2021, 133, 20868-20873.	2.0	7
20	Chemoselective, Scalable Nickelâ€Electrocatalytic <i>O</i>â€Arylation of Alcohols. Angewandte Chemie - International Edition, 2021, 60, 20700-20705.	13.8	39
21	Mild and Chemoselective Phosphorylation of Alcohols Using a Î¨-Reagent. Organic Letters, 2021, 23, 9337-9342.	4.6	13
22	Nature Chose Phosphates and Chemists Should Too: How Emerging P(V) Methods Can Augment Existing Strategies. ACS Central Science, 2021, 7, 1473-1485.	11.3	41
23	A P(V) platform for oligonucleotide synthesis. Science, 2021, 373, 1265-1270.	12.6	38
24	Chemoselective Electrosynthesis Using Rapid Alternating Polarity. Journal of the American Chemical Society, 2021, 143, 16580-16588.	13.7	79
25	Carbonyl Desaturation: Where Does Catalysis Stand?. ACS Catalysis, 2021, 11, 883-892.	11.2	45
26	Total synthesis reveals atypical atropisomerism in a small-molecule natural product, tryptorubin A. Science, 2020, 367, 458-463.	12.6	75
27	A Survival Guide for the â€œElectro-curiousâ€• Accounts of Chemical Research, 2020, 53, 72-83.	15.6	431
28	Synthetic Elaboration of Native DNA by RASS (SENDR). ACS Central Science, 2020, 6, 1789-1799.	11.3	12
29	Total Synthesis of Tagetitoxin. Journal of the American Chemical Society, 2020, 142, 13683-13688.	13.7	18
30	Two-Phase Total Synthesis of Taxanes: Tactics and Strategies. Journal of Organic Chemistry, 2020, 85, 10293-10320.	3.2	39
31	Electroreductive Olefinâ€“Ketone Coupling. Journal of the American Chemical Society, 2020, 142, 20979-20986.	13.7	86
32	Serine-Selective Bioconjugation. Journal of the American Chemical Society, 2020, 142, 17236-17242.	13.7	58
33	Electrochemical Decarboxylative <i>N</i>-Alkylation of Heterocycles. Organic Letters, 2020, 22, 7594-7598.	4.6	38
34	Two-Phase Synthesis of Taxol. Journal of the American Chemical Society, 2020, 142, 10526-10533.	13.7	99
35	Electrifying Synthesis: Recent Advances in the Methods, Materials, and Techniques for Organic Electrosynthesis. Accounts of Chemical Research, 2020, 53, 545-546.	15.6	74
36	Electrosynthesis: Sustainability Is Not Enough. Joule, 2020, 4, 701-704.	24.0	43

#	Article	IF	Citations
37	RASSâ€Enabled S/Pâˆ’C and Sâˆ’N Bond Formation for DEL Synthesis. Angewandte Chemie, 2020, 132, 7447-7453.	2.0	9
38	Enantiodivergent Formation of Câ€“P Bonds: Synthesis of P-Chiral Phosphines and Methylphosphonate Oligonucleotides. Journal of the American Chemical Society, 2020, 142, 5785-5792.	13.7	56
39	RASSâ€Enabled S/Pâˆ’C and Sâˆ’N Bond Formation for DEL Synthesis. Angewandte Chemie - International Edition, 2020, 59, 7377-7383.	13.8	44
40	DNA Encoded Libraries: A Visitor's Guide. Israel Journal of Chemistry, 2020, 60, 268-280.	2.3	51
41	Total Synthesis of (âˆ’)-Maximiscin. Journal of the American Chemical Society, 2020, 142, 8608-8613.	13.7	22
42	Impact of Stereo- and Regiochemistry on Energetic Materials. Journal of the American Chemical Society, 2019, 141, 12531-12535.	13.7	92
43	Hindered dialkyl ether synthesis with electrogenerated carbocations. Nature, 2019, 573, 398-402.	27.8	240
44	Expanding Reactivity in DNA-Encoded Library Synthesis via Reversible Binding of DNA to an Inert Quaternary Ammonium Support. Journal of the American Chemical Society, 2019, 141, 9998-10006.	13.7	119
45	Modular, stereocontrolled C _{Î²} â€“H/C _{Î±} â€“C activation of alkyl carboxylic acids. Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 8721-8727.	7.1	39
46	Electrochemically Driven, Ni-Catalyzed Aryl Amination: Scope, Mechanism, and Applications. Journal of the American Chemical Society, 2019, 141, 6392-6402.	13.7	251
47	A Radical Approach to Anionic Chemistry: Synthesis of Ketones, Alcohols, and Amines. Journal of the American Chemical Society, 2019, 141, 6726-6739.	13.7	148
48	Didehydro-Cortistatin A Inhibits HIV-1 by Specifically Binding to the Unstructured Basic Region of Tat. MBio, 2019, 10, .	4.1	56
49	Electrochemical C(sp3)â€“H Fluorination. Synlett, 2019, 30, 1178-1182.	1.8	66
50	Scalable and safe synthetic organic electroreduction inspired by Li-ion battery chemistry. Science, 2019, 363, 838-845.	12.6	305
51	Direct Carbon Isotope Exchange through Decarboxylative Carboxylation. Journal of the American Chemical Society, 2019, 141, 774-779.	13.7	63
52	Concise Total Synthesis of Herqulines B and C. Journal of the American Chemical Society, 2019, 141, 29-32.	13.7	47
53	Quaternary Centers by Nickelâ€Catalyzed Crossâ€Coupling of Tertiary Carboxylic Acids and (Hetero)Aryl Zinc Reagents. Angewandte Chemie - International Edition, 2019, 58, 2454-2458.	13.8	76
54	11-Step Total Synthesis of Teleocidins B-1â€“B-4. Journal of the American Chemical Society, 2019, 141, 1494-1497.	13.7	63

#	Article	IF	Citations
55	Quaternary Centers by Nickelâ€Catalyzed Crossâ€Coupling of Tertiary Carboxylic Acids and (Hetero)Aryl Zinc Reagents. Angewandte Chemie, 2019, 131, 2476-2480.	2.0	17
56	Alkyl Sulfinates: Radical Precursors Enabling Drug Discovery. Journal of Medicinal Chemistry, 2019, 62, 2256-2264.	6.4	102
57	Natural Product Total Synthesis: As Exciting as Ever and Here To Stay. Journal of the American Chemical Society, 2018, 140, 4751-4755.	13.7	115
58	Modular radical cross-coupling with sulfones enables access to sp ³ -rich (fluoro)alkylated scaffolds. Science, 2018, 360, 75-80.	12.6	167
59	Scalable Access to Arylomycins via Câ€“H Functionalization Logic. Journal of the American Chemical Society, 2018, 140, 2072-2075.	13.7	73
60	Divergent synthesis of thapsigargin analogs. Bioorganic and Medicinal Chemistry Letters, 2018, 28, 2705-2707.	2.2	12
61	Synthetic Organic Electrochemistry: Calling All Engineers. Angewandte Chemie - International Edition, 2018, 57, 4149-4155.	13.8	268
62	Synthetischâ€organische Elektrochemie: Ein Aufruf an alle Ingenieure. Angewandte Chemie, 2018, 130, 4219-4225.	2.0	58
63	A General Amino Acid Synthesis Enabled by Innate Radical Crossâ€Coupling. Angewandte Chemie - International Edition, 2018, 57, 14560-14565.	13.8	97
64	Cu-Catalyzed Decarboxylative Borylation. ACS Catalysis, 2018, 8, 9537-9542.	11.2	126
65	A General Amino Acid Synthesis Enabled by Innate Radical Crossâ€Coupling. Angewandte Chemie, 2018, 130, 14768-14773.	2.0	25
66	Kinetically guided radical-based synthesis of C(sp ³)â^'C(sp ³) linkages on DNA. Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, E6404-E6410.	7.1	124
67	Building C(sp3)-rich complexity by combining cycloaddition and Câ€“C cross-coupling reactions. Nature, 2018, 560, 350-354.	27.8	68
68	Radical Retrosynthesis. Accounts of Chemical Research, 2018, 51, 1807-1817.	15.6	161
69	Unlocking P(V): Reagents for chiral phosphorothioate synthesis. Science, 2018, 361, 1234-1238.	12.6	160
70	Divergent Synthesis of Pyrone Diterpenes via Radical Cross Coupling. Journal of the American Chemical Society, 2018, 140, 7462-7465.	13.7	72
71	Strain-Release Heteroatom Functionalization: Development, Scope, and Stereospecificity. Journal of the American Chemical Society, 2017, 139, 3209-3226.	13.7	198
72	Fe-Catalyzed Câ€“C Bond Construction from Olefins via Radicals. Journal of the American Chemical Society, 2017, 139, 2484-2503.	13.7	301

#	Article	IF	Citations
73	Alkylâ˘(Hetero)Aryl Bond Formation via Decarboxylative Crossâ€Coupling: A Systematic Analysis. Angewandte Chemie, 2017, 129, 3367-3371.	2.0	33
74	Alkylâ˘(Hetero)Aryl Bond Formation via Decarboxylative Crossâ€Coupling: A Systematic Analysis. Angewandte Chemie - International Edition, 2017, 56, 3319-3323.	13.8	92
75	Decarboxylative borylation. Science, 2017, 356, .	12.6	312
76	Decarboxylative alkenylation. Nature, 2017, 545, 213-218.	27.8	277
77	Scalable, Electrochemical Oxidation of Unactivated Câ€“H Bonds. Journal of the American Chemical Society, 2017, 139, 7448-7451.	13.7	353
78	Decarboxylative Alkynylation. Angewandte Chemie, 2017, 129, 12068-12072.	2.0	40
79	Decarboxylative Alkynylation. Angewandte Chemie - International Edition, 2017, 56, 11906-11910.	13.8	136
80	Peptide Macrocyclization Inspired by Non-Ribosomal Imine Natural Products. Journal of the American Chemical Society, 2017, 139, 5233-5241.	13.7	90
81	Scalable Synthesis of (â˘)-Thapsigargin. ACS Central Science, 2017, 3, 47-51.	11.3	69
82	Nickelâ€Catalyzed Barton Decarboxylation and Giese Reactions: A Practical Take on Classic Transforms. Angewandte Chemie, 2017, 129, 266-271.	2.0	70
83	Nickelâ€Catalyzed Barton Decarboxylation and Giese Reactions: A Practical Take on Classic Transforms. Angewandte Chemie - International Edition, 2017, 56, 260-265.	13.8	229
84	Synthetic Organic Electrochemical Methods Since 2000: On the Verge of a Renaissance. Chemical Reviews, 2017, 117, 13230-13319.	47.7	2,449
85	Electrochemically Enabled, Nickelâ€Catalyzed Amination. Angewandte Chemie - International Edition, 2017, 56, 13088-13093.	13.8	252
86	Electrochemically Enabled, Nickelâ€Catalyzed Amination. Angewandte Chemie, 2017, 129, 13268-13273.	2.0	78
87	Development of the Large-Scale Synthesis of Tetrahydropyran Glycine, a Precursor to the HCV NS5A Inhibitor BMS-986097. Journal of Organic Chemistry, 2017, 82, 10376-10387.	3.2	8
88	BMS-663068: Another Quiet Victory for Chemistry. Organic Process Research and Development, 2017, 21, 1091-1094.	2.7	5
89	Chemical Proteomics Identifies SLC25A20 as a Functional Target of the Ingenol Class of Actinic Keratosis Drugs. ACS Central Science, 2017, 3, 1276-1285.	11.3	47
90	CITU: A Peptide and Decarboxylative Coupling Reagent. Organic Letters, 2017, 19, 6196-6199.	4.6	31

#	Article	IF	Citations
91	Residue-Specific Peptide Modification: A Chemistâ€™s Guide. Biochemistry, 2017, 56, 3863-3873.	2.5	395
92	Decoding the Mechanism of Intramolecular Cu-Directed Hydroxylation of sp³ Câ€“H Bonds. Journal of Organic Chemistry, 2017, 82, 7887-7904.	3.2	61
93	Short, Enantioselective Total Synthesis of Highly Oxidized Taxanes. Angewandte Chemie - International Edition, 2016, 55, 8280-8284.	13.8	51
94	Short, Enantioselective Total Synthesis of Highly Oxidized Taxanes. Angewandte Chemie, 2016, 128, 8420-8424.	2.0	15
95	Fighting evolution with chemical synthesis. Nature, 2016, 533, 326-327.	27.8	11
96	A Practical Approach for Enantio- and Diastereocontrol in the Synthesis of 2,3-Disubstituted Succinic Acid Esters: Synthesis of the pan-Notch Inhibitor BMS-906024. Synlett, 2016, 27, 2254-2258.	1.8	8
97	Scalable and sustainable electrochemical allylic Câ€“H oxidation. Nature, 2016, 533, 77-81.	27.8	567
98	A general alkyl-alkyl cross-coupling enabled by redox-active esters and alkylzinc reagents. Science, 2016, 352, 801-805.	12.6	579
99	Synthetic Organic Electrochemistry: An Enabling and Innately Sustainable Method. ACS Central Science, 2016, 2, 302-308.	11.3	769
100	Tagging the Untaggable: A Difluoroalkyl-Sulfinate Ketone-Based Reagent for Direct Câ€“H Functionalization of Bioactive Heteroarenes. Bioconjugate Chemistry, 2016, 27, 1965-1971.	3.6	14
101	Redox-Active Esters in Fe-Catalyzed Câ€“C Coupling. Journal of the American Chemical Society, 2016, 138, 11132-11135.	13.7	245
102	Radicals: Reactive Intermediates with Translational Potential. Journal of the American Chemical Society, 2016, 138, 12692-12714.	13.7	754
103	11-Step Total Synthesis of (âˆ’)-Maoecrystal V. Journal of the American Chemical Society, 2016, 138, 9425-9428.	13.7	100
104	Nickelâ€Catalyzed Crossâ€Coupling of Redoxâ€Active Esters with Boronic Acids. Angewandte Chemie - International Edition, 2016, 55, 9676-9679.	13.8	175
105	Nickelâ€Catalyzed Crossâ€Coupling of Redoxâ€Active Esters with Boronic Acids. Angewandte Chemie, 2016, 128, 9828-9831.	2.0	56
106	11-Step Total Synthesis of Araiosamines. Journal of the American Chemical Society, 2016, 138, 14234-14237.	13.7	36
107	11-Step Total Synthesis of Pallambins C and D. Journal of the American Chemical Society, 2016, 138, 7536-7539.	13.7	36
108	Strain-release amination. Science, 2016, 351, 241-246.	12.6	310

#	ARTICLE	IF	CITATIONS
109	Nineteen-step total synthesis of (+)-phorbol. Nature, 2016, 532, 90-93.	27.8	185
110	Practical Ni-Catalyzed Arylâ€“Alkyl Cross-Coupling of Secondary Redox-Active Esters. Journal of the American Chemical Society, 2016, 138, 2174-2177.	13.7	371
111	<i>In situ</i> FTIR spectroscopic monitoring of electrochemically controlled organic reactions in a recycle reactor. Reaction Chemistry and Engineering, 2016, 1, 90-95.	3.7	7
112	Antroquinonol A: Scalable Synthesis and Preclinical Biology of a Phase 2 Drug Candidate. ACS Central Science, 2016, 2, 27-31.	11.3	34
113	Cï£¿H Oxidation of Ingenanes Enables Potent and Selective Protein Kinase C Isoform Activation. Angewandte Chemie - International Edition, 2015, 54, 14044-14048.	13.8	39
114	Practical olefin hydroamination with nitroarenes. Science, 2015, 348, 886-891.	12.6	387
115	Development of a Concise Synthesis of Ouabagenin and Hydroxylated Corticosteroid Analogues. Journal of the American Chemical Society, 2015, 137, 1330-1340.	13.7	105
116	Academiaâ€“Industry Symbiosis in Organic Chemistry. Accounts of Chemical Research, 2015, 48, 712-721.	15.6	64
117	Hydromethylation of Unactivated Olefins. Journal of the American Chemical Society, 2015, 137, 8046-8049.	13.7	137
118	Total Synthesis of Verruculogen and Fumitremorgin A Enabled by Ligand-Controlled Câ€“H Borylation. Journal of the American Chemical Society, 2015, 137, 10160-10163.	13.7	196
119	Response to Comment on â€œAsymmetric syntheses of sceptrin and massadine and evidence for biosynthetic enantiodivergenceâ€• Science, 2015, 349, 149-149.	12.6	7
120	Synthesis of Biologically Active Piperidine Metabolites of Clopidogrel: Determination of Structure and Analyte Development. Journal of Organic Chemistry, 2015, 80, 7019-7032.	3.2	19
121	Discovery of Clinical Candidate BMS-906024: A Potent Pan-Notch Inhibitor for the Treatment of Leukemia and Solid Tumors. ACS Medicinal Chemistry Letters, 2015, 6, 523-527.	2.8	79
122	Mechanistic Insights into Two-Phase Radical Câ€“H Arylations. ACS Central Science, 2015, 1, 456-462.	11.3	29
123	A cure for catalyst poisoning. Nature, 2015, 524, 164-165.	27.8	11
124	Scalable Câ€“H Oxidation with Copper: Synthesis of Polyoxypregnanes. Journal of the American Chemical Society, 2015, 137, 13776-13779.	13.7	109
125	Scalable total syntheses of (âˆ’)-hapalindole U and (+)-ambiguine H. Tetrahedron, 2015, 71, 3652-3665.	1.9	45
126	Functionalized olefin cross-coupling to construct carbonâ€“carbon bonds. Nature, 2014, 516, 343-348.	27.8	355

#	Article	IF	Citations
127	Câ€“H Methylation of Heteroarenes Inspired by Radical SAM Methyl Transferase. Journal of the American Chemical Society, 2014, 136, 4853-4856.	13.7	171
128	Two-Phase Synthesis of (âˆ’)-Taxuyunnanine D. Journal of the American Chemical Society, 2014, 136, 4909-4912.	13.7	93
129	Development of a Concise Synthesis of (+)-Ingenol. Journal of the American Chemical Society, 2014, 136, 5799-5810.	13.7	118
130	Natural product synthesis in the age of scalability. Natural Product Reports, 2014, 31, 419-432.	10.3	138
131	A Practical and Catalytic Reductive Olefin Coupling. Journal of the American Chemical Society, 2014, 136, 1304-1307.	13.7	304
132	Axinellamines as Broad-Spectrum Antibacterial Agents: Scalable Synthesis and Biology. Journal of the American Chemical Society, 2014, 136, 15403-15413.	13.7	50
133	Radical Cï£¿H Functionalization of Heteroarenes under Electrochemical Control. Angewandte Chemie - International Edition, 2014, 53, 11868-11871.	13.8	280
134	A Simple Litmus Test for Aldehyde Oxidase Metabolism of Heteroarenes. Journal of Medicinal Chemistry, 2014, 57, 1616-1620.	6.4	49
135	A Unified Approach to <i>ent</i>-Atisane Diterpenes and Related Alkaloids: Synthesis of (âˆ’)-Methyl Atisenoate, (âˆ’)-Isoatisine, and the Hetidine Skeleton. Journal of the American Chemical Society, 2014, 136, 12592-12595.	13.7	104
136	Simple Sulfinate Synthesis Enables Cï£¿H Trifluoromethylcyclopropanation. Angewandte Chemie - International Edition, 2014, 53, 9851-9855.	13.8	143
137	Reactivity tamed one bond at a time. Nature, 2014, 513, 324-325.	27.8	2
138	Improving Physical Properties via Cï£¿H Oxidation: Chemical and Enzymatic Approaches. Angewandte Chemie - International Edition, 2014, 53, 12091-12096.	13.8	78
139	Asymmetric syntheses of sceptrin and massadine and evidence for biosynthetic enantiodivergence. Science, 2014, 346, 219-224.	12.6	100
140	Total Synthesis of Dixiamycin B by Electrochemical Oxidation. Journal of the American Chemical Society, 2014, 136, 5571-5574.	13.7	285
141	Radical-Based Regioselective Câ€“H Functionalization of Electron-Deficient Heteroarenes: Scope, Tunability, and Predictability. Journal of the American Chemical Society, 2013, 135, 12122-12134.	13.7	287
142	Synthesis of <i>ent</i>â€Kaurane and Beyerane Diterpenoids by Controlled Fragmentations of Overbred Intermediates. Angewandte Chemie - International Edition, 2013, 52, 9019-9022.	13.8	113
143	14-Step Synthesis of (+)-Ingenol from (+)-3-Carene. Science, 2013, 341, 878-882.	12.6	273
144	Flavin-mediated dual oxidation controls an enzymatic Favorskii-type rearrangement. Nature, 2013, 503, 552-556.	27.8	147

#	Article	IF	Citations
145	Regioselective Bromination of Fused Heterocyclic <i>N</i>-Oxides. Organic Letters, 2013, 15, 792-795.	4.6	115
146	Strategic Redox Relay Enables A Scalable Synthesis of Ouabagenin, A Bioactive Cardenolide. Science, 2013, 339, 59-63.	12.6	158
147	Enhanced Reactivity in Dioxirane Câ€“H Oxidations via Strain Release: A Computational and Experimental Study. Journal of Organic Chemistry, 2013, 78, 4037-4048.	3.2	74
148	Direct Synthesis of Fluorinated Heteroarylether Bioisosteres. Angewandte Chemie - International Edition, 2013, 52, 3949-3952.	13.8	218
149	Total synthesis of taxane terpenes: cyclase phase. Tetrahedron, 2013, 69, 5685-5701.	1.9	29
150	Preparation and purification of zinc sulfinate reagents for drug discovery. Nature Protocols, 2013, 8, 1042-1047.	12.0	64
151	Cï£¿H Functionalization Logic Enables Synthesis of (+)â€Hongoquercinâ€…A and Related Compounds. Angewandte Chemie - International Edition, 2013, 52, 7317-7320.	13.8	159
152	Practical and innate carbonâ€“hydrogen functionalization of heterocycles. Nature, 2012, 492, 95-99.	27.8	784
153	Scalable, Enantioselective Synthesis of Germacrenes and Related Sesquiterpenes Inspired by Terpene Cyclase Phase Logic. Angewandte Chemie - International Edition, 2012, 51, 11491-11495.	13.8	61
154	Scalable, Divergent Synthesis of Meroterpenoids via â€œBorono-sclareolideâ€. Journal of the American Chemical Society, 2012, 134, 8432-8435.	13.7	121
155	An Approach to Mimicking the Sesquiterpene Cyclase Phase by Nickel-Promoted Diene/Alkyne Cooligomerization. Journal of Organic Chemistry, 2012, 77, 825-842.	3.2	22
156	A New Reagent for Direct Difluoromethylation. Journal of the American Chemical Society, 2012, 134, 1494-1497.	13.7	538
157	Intermolecular Ritter-Type Câ€“H Amination of Unactivated sp³ Carbons. Journal of the American Chemical Society, 2012, 134, 2547-2550.	13.7	234
158	Scalable enantioselective total synthesis of taxanes. Nature Chemistry, 2012, 4, 21-25.	13.6	162
159	Innate and Guided Câ€“H Functionalization Logic. Accounts of Chemical Research, 2012, 45, 826-839.	15.6	491
160	Guided desaturation of unactivated aliphatics. Nature Chemistry, 2012, 4, 629-635.	13.6	177
161	Scalable Synthesis of Cortistatin A and Related Structures. Journal of the American Chemical Society, 2011, 133, 8014-8027.	13.7	115
162	Practical Câˆ’H Functionalization of Quinones with Boronic Acids. Journal of the American Chemical Society, 2011, 133, 3292-3295.	13.7	319

#	Article	IF	Citations
163	Enantioselective Total Syntheses of (âˆ’)-Palauâ€™amine, (âˆ’)-Axinellamines, and (âˆ’)-Massadines. Journal of the American Chemical Society, 2011, 133, 14710-14726.	13.7	122
164	Câ€“H functionalization logic in total synthesis. Chemical Society Reviews, 2011, 40, 1976.	38.1	1,217
165	Innate C-H trifluoromethylation of heterocycles. Proceedings of the National Academy of Sciences of the United States of America, 2011, 108, 14411-14415.	7.1	667
166	Practical Radical Cyclizations with Arylboronic Acids and Trifluoroborates. Organic Letters, 2011, 13, 5628-5631.	4.6	175
167	If Cï£¿H Bonds Could Talk: Selective Cï£¿H Bond Oxidation. Angewandte Chemie - International Edition, 2011, 50, 3362-3374.	13.8	1,189
168	Total Synthesis Guided Structure Elucidation of (+)â€Psychotetramine. Angewandte Chemie - International Edition, 2011, 50, 2716-2719.	13.8	115
169	Direct Câˆ'H Arylation of Electron-Deficient Heterocycles with Arylboronic Acids. Journal of the American Chemical Society, 2010, 132, 13194-13196.	13.7	530
170	Aiming for the Ideal Synthesis. Journal of Organic Chemistry, 2010, 75, 4657-4673.	3.2	544
171	Total synthesis of eudesmane terpenes: cyclase phase. Tetrahedron, 2010, 66, 4738-4744.	1.9	55
172	Two-Phase Terpene Total Synthesis: Historical Perspective and Application to the TaxolÂ® Problem. Synlett, 2010, 2010, 1733-1745.	1.8	48
173	Redox Economy in Organic Synthesis. Angewandte Chemie - International Edition, 2009, 48, 2854-2867.	13.8	687
174	Strain Release in Cï£¿H Bond Activation?. Angewandte Chemie - International Edition, 2009, 48, 9705-9708.	13.8	118
175	Total synthesis of eudesmane terpenes by site-selective Câ€“H oxidations. Nature, 2009, 459, 824-828.	27.8	367
176	Protecting-group-free synthesis as an opportunity for invention. Nature Chemistry, 2009, 1, 193-205.	13.6	602
177	The economies of synthesis. Chemical Society Reviews, 2009, 38, 3010.	38.1	714
178	Chemoselectivity: The Mother of Invention in Total Synthesis. Accounts of Chemical Research, 2009, 42, 530-541.	15.6	262
179	Scalable Total Synthesis and Biological Evaluation of Haouamine A and Its Atropisomer. Journal of the American Chemical Society, 2009, 131, 9172-9173.	13.7	92
180	1,3-Diol Synthesis via Controlled, Radical-Mediated Câˆ'H Functionalization. Journal of the American Chemical Society, 2008, 130, 7247-7249.	13.7	206

#	Article	IF	Citations
181	Synthesis of (+)-Cortistatin A. Journal of the American Chemical Society, 2008, 130, 7241-7243.	13.7	158
182	Total synthesis of marine natural products without using protecting groups. Nature, 2007, 446, 404-408.	27.8	477
183	Enantioselective Total Synthesis of Avrainvillamide and the Stephacidins. Journal of the American Chemical Society, 2006, 128, 8678-8693.	13.7	187
184	Total Synthesis of (Â±)-Chartelline C. Journal of the American Chemical Society, 2006, 128, 14028-14029.	13.7	82
185	Total Synthesis of (Â±)-Haouamine A. Journal of the American Chemical Society, 2006, 128, 3908-3909.	13.7	127
186	Short, Enantioselective Total Synthesis of Sceptrin and Ageliferin by Programmed Oxaquadricyclane Fragmentation. Angewandte Chemie - International Edition, 2006, 45, 249-252.	13.8	72
187	Intermolecular Oxidative Enolate Heterocoupling. Angewandte Chemie - International Edition, 2006, 45, 7083-7086.	13.8	186
188	Short, Enantioselective Total Synthesis of Stephacidin A. Angewandte Chemie - International Edition, 2005, 44, 606-609.	13.8	157
189	Direct Coupling of Pyrroles with Carbonyl Compounds: Short Enantioselective Synthesis of (S)-Ketorolac. Angewandte Chemie - International Edition, 2005, 44, 609-612.	13.8	159
190	A Remarkable Ring Contraction En Route to the Chartelline Alkaloids. Angewandte Chemie - International Edition, 2005, 44, 3714-3717.	13.8	62
191	Enantioselective Total Syntheses of Welwitindolinone A and Fischerindoles I and G. Journal of the American Chemical Society, 2005, 127, 15394-15396.	13.7	256
192	Sceptrin as a Potential Biosynthetic Precursor to Complex Pyrroleâ€"Imidazole Alkaloids: The Total Synthesis of Ageliferin. Angewandte Chemie - International Edition, 2004, 43, 2674-2677.	13.8	128
193	Direct Coupling of Indoles with Carbonyl Compounds:Â Short, Enantioselective, Gram-Scale Synthetic Entry into the Hapalindole and Fischerindole Alkaloid Families. Journal of the American Chemical Society, 2004, 126, 7450-7451.	13.7	228
194	Short Total Synthesis of (Â±)-Sceptrin. Journal of the American Chemical Society, 2004, 126, 3726-3727.	13.7	112
195	The Art and Science of Total Synthesis at the Dawn of the Twenty-First Century. Angewandte Chemie - International Edition, 2000, 39, 44-122.	13.8	531
196	Studies towards Trichodimerol: Novel Cascade Reactions and Polycyclic Frameworks. Chemistry - A European Journal, 1999, 5, 3651-3665.	3.3	49
197	A Novel Route to the Fused Maleic Anhydride Moiety of CP Molecules. Angewandte Chemie - International Edition, 1999, 38, 549-552.	13.8	32
198	Total Synthesis of the CP Molecules CP-263,114 and CP-225,917â€" Part 1: Synthesis of Key Intermediates and Intelligence Gathering. Angewandte Chemie - International Edition, 1999, 38, 1669-1675.	13.8	104

#	Article	IF	Citations
199	Total Synthesis of the CP Molecules CP-225,917 and CP-263,114â€" Part 2: Evolution of the Final Strategy. Angewandte Chemie - International Edition, 1999, 38, 1676-1678.	13.8	85
200	Biomimetic Explorations Towards the Bisorbicillinoids: Total Synthesis of Bisorbicillinol, Bisorbibutenolide, and Trichodimerol. Angewandte Chemie - International Edition, 1999, 38, 3555-3559.	13.8	87
201	The Charm and Appeal of Organic Chemistry. ChemistryViews, 0, , .	0.0	2
202	Total Synthesis of Kibdelomycin. Angewandte Chemie, 0, , .	2.0	0