

# Scott A Snyder

## List of Publications by Year in descending order

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112  
papers

9,852  
citations

53794

45  
h-index

36028

97  
g-index

156  
all docs

156  
docs citations

156  
times ranked

9047  
citing authors

#	ARTICLE	IF	CITATIONS
1	The Diels-Alder Reaction in Total Synthesis. <i>Angewandte Chemie - International Edition</i> , 2002, 41, 1668-1698.	13.8	1,570
2	Privileged scaffolds for library design and drug discovery. <i>Current Opinion in Chemical Biology</i> , 2010, 14, 347-361.	6.1	1,228
3	Tandem reactions, cascade sequences, and biomimetic strategies in total synthesis. <i>Chemical Communications</i> , 2003, , 551-564.	4.1	571
4	Chasing Molecules That Were Never There: Misassigned Natural Products and the Role of Chemical Synthesis in Modern Structure Elucidation. <i>Angewandte Chemie - International Edition</i> , 2005, 44, 1012-1044.	13.8	556
5	Structure of papain-like protease from SARS-CoV-2 and its complexes with non-covalent inhibitors. <i>Nature Communications</i> , 2021, 12, 743.	12.8	297
6	Total Synthesis of Diverse Carbogenic Complexity within the Resveratrol Class from a Common Building Block. <i>Journal of the American Chemical Society</i> , 2009, 131, 1753-1765.	13.7	244
7	Simple Reagents for Direct Halonium-Induced Polyene Cyclizations. <i>Journal of the American Chemical Society</i> , 2010, 132, 14303-14314.	13.7	231
8	Regioselective reactions for programmable resveratrol oligomer synthesis. <i>Nature</i> , 2011, 474, 461-466.	27.8	187
9	Chemistry and Biology of Diazonamide A: First Total Synthesis and Confirmation of the True Structure. <i>Journal of the American Chemical Society</i> , 2004, 126, 12888-12896.	13.7	182
10	The Second Total Synthesis of Diazonamide A. <i>Angewandte Chemie - International Edition</i> , 2003, 42, 1753-1758.	13.8	176
11	Enantioselective Total Synthesis of (âˆ“)-Napyradiomycin A1 via Asymmetric Chlorination of an Isolated Olefin. <i>Journal of the American Chemical Society</i> , 2009, 131, 5744-5745.	13.7	168
12	Total Synthesis of Resveratrol-Based Natural Products: A Chemoselective Solution. <i>Angewandte Chemie - International Edition</i> , 2007, 46, 8186-8191.	13.8	162
13	Chemistry and Biology of Diazonamide A: Second Total Synthesis and Biological Investigations. <i>Journal of the American Chemical Society</i> , 2004, 126, 12897-12906.	13.7	160
14	Total Synthesis of Diazonamide A. <i>Angewandte Chemie - International Edition</i> , 2002, 41, 3495-3499.	13.8	157
15	Et<sub>2</sub>SBrâ€¦SbCl<sub>5</sub>Br: An Effective Reagent for Direct Bromonium-Induced Polyene Cyclizations. <i>Angewandte Chemie - International Edition</i> , 2009, 48, 7899-7903.	13.8	144
16	Die Jagd auf MolekÃ¼le, die nie existiert haben: Falsch zugeordnete Naturstoffstrukturen und die Rolle der chemischen Synthese in der modernen StrukturauflÃ¶sung. <i>Angewandte Chemie</i> , 2005, 117, 1036-1069.	2.0	134
17	A Concise Total Synthesis of (+)-Scholarisine A Empowered by a Unique Câ€“H Arylation. <i>Journal of the American Chemical Society</i> , 2013, 135, 12964-12967.	13.7	128
18	Concise Total Syntheses of Palominol, Dolabellatrienone, Î²-Araneosene, and Isoedunol via an Enantioselective Diels-Alder Macrobicyclization. <i>Journal of the American Chemical Society</i> , 2006, 128, 740-742.	13.7	113

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19	Novel Reactions Initiated by Titanocene Methylidenes: Deoxygenation of Sulfoxides, N-Oxides, and Selenoxides. <i>Angewandte Chemie - International Edition</i> , 2000, 39, 2529-2533.	13.8	95
20	The essence of total synthesis. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2004, 101, 11929-11936.	7.1	95
21	New Uses for the Burgess Reagent in Chemical Synthesis: Methods for the Facile and Stereoselective Formation of Sulfamidates, Glycosylamines, and Sulfamides. <i>Chemistry - A European Journal</i> , 2004, 10, 5581-5606.	3.3	94
22	Studies toward Diazonamide A: Initial Synthetic Forays Directed toward the Originally Proposed Structure. <i>Journal of the American Chemical Society</i> , 2004, 126, 10162-10173.	13.7	94
23	Quaternary-centre-guided synthesis of complex polycyclic terpenes. <i>Nature</i> , 2019, 569, 703-707.	27.8	91
24	Solution and Solid-Phase Synthesis of Functionalized 3-Arylbenzofurans by a Novel Cyclofragmentation - Release Pathway. <i>Angewandte Chemie - International Edition</i> , 2000, 39, 1093-1096.	13.8	88
25	Total Syntheses of Dalesconol A and B. <i>Angewandte Chemie - International Edition</i> , 2010, 49, 5146-5150.	13.8	85
26	A Novel Regio- and Stereoselective Synthesis of Sulfamidates from 1,2-Diols Using Burgess and Related Reagents: A Facile Entry into $\beta^2$ -Amino Alcohols We thank Professor K. Barry Sharpless for the gracious donation of several of the starting diol substrates. We also thank Drs. D. H. Huang, G. Suizdak, and R. Chadja for NMR spectroscopic, mass spectrometric, and X-ray crystallographic assistance, respectively. Financial support for this work was provided by The Skaggs Institute for Chemical Biology, predoctora. <i>Angewandte Chemie - International Edition</i> , 2002, 41, 834.	13.8	84
27	A General Strategy for the Stereocontrolled Preparation of Diverse 8- and 9-Membered <i>Laurencia</i> -Type Bromoethers. <i>Journal of the American Chemical Society</i> , 2011, 133, 15898-15901.	13.7	81
28	Total Syntheses of Hopeanol and Hopeahainol A Empowered by a Chiral Brønsted Acid Induced Pinacol Rearrangement. <i>Angewandte Chemie - International Edition</i> , 2012, 51, 4080-4084.	13.8	78
29	Construction of the Complete Aromatic Core of Diazonamide A by a Novel Hetero Pinacol Macrocyclization Cascade Reaction. <i>Angewandte Chemie - International Edition</i> , 2001, 40, 4705-4709.	13.8	75
30	Studies toward Diazonamide A: Development of a Hetero-Pinacol Macrocyclization Cascade for the Construction of the Bis-Macrocyclic Framework of the Originally Proposed Structure. <i>Journal of the American Chemical Society</i> , 2004, 126, 10174-10182.	13.7	64
31	Concise Synthetic Approaches for the Laurencia Family: Formal Total Syntheses of ( $\beta^1$ )-Laurefucin and ( $\beta^1$ )-E and ( $\beta^1$ )-Z-Pinnatifidenyne. <i>Journal of the American Chemical Society</i> , 2012, 134, 17714-17721.	13.7	64
32	Pyrone Diels-Alder Routes to Indolines and Hydroindolines: Syntheses of Gracilamine, Mesembrine, and $\beta^7$ -Mesembrenone. <i>Angewandte Chemie - International Edition</i> , 2016, 55, 3625-3630.	13.8	64
33	Enantiospecific Total Synthesis of the Highly Strained ( $\beta^1$ )-Presilphiperfolan-8-ol via a Pd-Catalyzed Tandem Cyclization. <i>Journal of the American Chemical Society</i> , 2017, 139, 5007-5010.	13.7	62
34	A two-step mimic for direct, asymmetric bromonium- and chloronium-induced polyene cyclizations. <i>Tetrahedron</i> , 2010, 66, 4796-4804.	1.9	61
35	A New Method for the Stereoselective Synthesis of $\beta^1$ - and $\beta^2$ -Glycosylamines Using the Burgess Reagent. <i>Journal of the American Chemical Society</i> , 2004, 126, 6234-6235.	13.7	55
36	A 7-Step Formal Asymmetric Total Synthesis of Strictamine via an Asymmetric Propargylation and Metal-Mediated Cyclization. <i>Organic Letters</i> , 2017, 19, 1004-1007.	4.6	55

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37	Total Syntheses of Heimiolâ€¦A, Hopeahinolâ€¦D, and Constrained Analogues. <i>Angewandte Chemie - International Edition</i> , 2011, 50, 8629-8633.	13.8	54
38	Explorations into Neolignan Biosynthesis: Concise Total Syntheses of Helicterin B, Helisorin, and Helisterculin A from a Common Intermediate. <i>Journal of the American Chemical Society</i> , 2009, 131, 1745-1752.	13.7	53
39	Total Synthesis of the Caged Indole Alkaloid Arboridinine Enabled by <i>aza</i> -Prins and Metal-Mediated Cyclizations. <i>Journal of the American Chemical Society</i> , 2018, 140, 919-925.	13.7	53
40	The Second Total Synthesis of Diazonamide A. <i>Angewandte Chemie</i> , 2003, 115, 1795-1800.	2.0	52
41	Synthetic approaches to oligomeric natural products. <i>Natural Product Reports</i> , 2011, 28, 897.	10.3	52
42	An Efficient Approach to the Securinega Alkaloids Empowered by Cooperative Nâ€¦Heterocyclic Carbene/Lewis Acid Catalysis. <i>Angewandte Chemie - International Edition</i> , 2013, 52, 5789-5794.	13.8	52
43	Intramolecular Hetero Dielsâ€¦Alder Routes to Î³-Carboline Alkaloids. <i>Tetrahedron</i> , 2000, 56, 5329-5335.	1.9	50
44	Total Synthesis of Diazonamide A. <i>Angewandte Chemie</i> , 2002, 114, 3645-3649.	2.0	47
45	Harnessing Quinone Methides: Total Synthesis of (Â±)â€¦Vaticanolâ€¦A. <i>Angewandte Chemie - International Edition</i> , 2014, 53, 6747-6751.	13.8	47
46	Structural Revision and Total Synthesis of Caraphenol B and C. <i>Organic Letters</i> , 2011, 13, 5524-5527.	4.6	45
47	Total Syntheses of Scaparvins B, C, and D Enabled by a Key Câ€¦H Functionalization. <i>Journal of the American Chemical Society</i> , 2017, 139, 18428-18431.	13.7	45
48	Total Synthesis of (+)-Arborisidine. <i>Journal of the American Chemical Society</i> , 2019, 141, 7715-7720.	13.7	45
49	A New Method for the Synthesis of Nonsymmetrical Sulfamides Using Burgess-Type Reagents. <i>Angewandte Chemie - International Edition</i> , 2002, 41, 3866-3870.	13.8	43
50	9â€¦Membered Carbocycle Formation: Development of Distinct Friedelâ€¦Crafts Cyclizations and Application to a Scalable Total Synthesis of (Â±)â€¦Caraphenolâ€¦A. <i>Angewandte Chemie - International Edition</i> , 2014, 53, 3409-3413.	13.8	39
51	Mannichâ€¦Type Reactions of Cyclic Nitrones: Effective Methods for the Enantioselective Synthesis of Piperidineâ€¦containing Alkaloids. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 15162-15166.	13.8	39
52	Synthesis and Applications of Hajosâ€¦Parrish Ketone Isomers. <i>Angewandte Chemie - International Edition</i> , 2015, 54, 7842-7846.	13.8	38
53	A Concise, Stereocontrolled Total Synthesis of Rippertenol. <i>Journal of the American Chemical Society</i> , 2011, 133, 8850-8853.	13.7	36
54	Asymmetric pyrone Dielsâ€¦Alder reactions enabled by dienamine catalysis. <i>Chemical Science</i> , 2020, 11, 2175-2180.	7.4	36

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55	A Concise Total Synthesis of (+)-Waihoensene Guided by Quaternary Center Analysis. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 13521-13525.	13.8	36
56	Synthetic and Theoretical Investigations of Myrmicarin Biosynthesis. <i>Angewandte Chemie - International Edition</i> , 2010, 49, 9693-9698.	13.8	31
57	Explorations into the Potential of Chiral Sulfonium Reagents to Effect Asymmetric Halonium Additions to Isolated Alkenes. <i>Synthesis</i> , 2013, 45, 1886-1898.	2.3	31
58	A Strategy for Complex Dimer Formation When Biomimicry Fails: Total Synthesis of Ten Coccinellid Alkaloids. <i>Journal of the American Chemical Society</i> , 2014, 136, 9743-9753.	13.7	31
59	Highly Selective Hydrogenation of C=C Bonds Catalyzed by a Rhodium Hydride. <i>Journal of the American Chemical Society</i> , 2021, 143, 9657-9663.	13.7	31
60	Resveratrol trimer enhances gene delivery to hematopoietic stem cells by reducing antiviral restriction at endosomes. <i>Blood</i> , 2019, 134, 1298-1311.	1.4	27
61	The Enantioselective Total Synthesis of Exochomine. <i>Angewandte Chemie - International Edition</i> , 2016, 55, 10301-10306.	13.8	26
62	Isolable and Readily Handled Halophosphonium Pre-reagents for Hydro- and Deuteriohalogenation. <i>Journal of the American Chemical Society</i> , 2017, 139, 6329-6337.	13.7	24
63	Alkyldisulfanium Salts: Isolable, Electrophilic Sulfur Reagents Competent for Polyene Cyclizations. <i>Organic Letters</i> , 2017, 19, 2-5.	4.6	24
64	Strategies for the Total Synthesis of Diverse Bromo-Chamigrenes. <i>Organic Letters</i> , 2016, 18, 5018-5021.	4.6	23
65	Pyrene Diels-Alder Routes to Indolines and Hydroindolines: Syntheses of Gracilamine, Mesembrine, and 7-Mesembrenone. <i>Angewandte Chemie</i> , 2016, 128, 3689-3694.	2.0	22
66	General Synthetic Approach for the Laurencia Family of Natural Products Empowered by a Potentially Biomimetic Ring Expansion. <i>Journal of the American Chemical Society</i> , 2019, 141, 7776-7788.	13.7	22
67	The Total Synthesis of Chalcitrin. <i>Journal of the American Chemical Society</i> , 2019, 141, 4515-4520.	13.7	22
68	A concise route to isocanthin-6-one. <i>Tetrahedron Letters</i> , 1998, 39, 1111-1112.	1.4	21
69	Synthesis of aza-quaternary centers via Pictet-Spengler reactions of ketonitriles. <i>Chemical Science</i> , 2021, 12, 6181-6187.	7.4	19
70	Total Synthesis of the Meroterpenoid Manginoidin A as Fueled by a Challenging Pinacol Coupling and Bicycle-forming Etherification. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 11127-11132.	13.8	18
71	Exchange-Mediated Transport in Battery Electrolytes: Ultrafast or Ultraslow?. <i>Journal of the American Chemical Society</i> , 2022, 144, 8591-8604.	13.7	18
72	Regioselective aldol condensations of a cholestanone-derived dialdehyde: new twists on a classic reaction. <i>Tetrahedron Letters</i> , 2006, 47, 2083-2086.	1.4	17

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73	A New Method for the Synthesis of Nonsymmetrical Sulfamides Using Burgess-Type Reagents. <i>Angewandte Chemie</i> , 2002, 114, 4022-4026.	2.0	15
74	Development and Elucidation of a Pd-Based Cyclization/Oxygenation Sequence for Natural Product Synthesis. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 2674-2678.	13.8	15
75	Characterization of Acetonitrile Isotopologues as Vibrational Probes of Electrolytes. <i>Journal of Physical Chemistry B</i> , 2022, 126, 278-291.	2.6	15
76	Chasing Molecules That Were Never There: Misassigned Natural Products and the Role of Chemical Synthesis in Modern Structure Elucidation. <i>Angewandte Chemie - International Edition</i> , 2005, 44, 2050-2050.	13.8	14
77	Total syntheses of spiroviolene and spirograterpene A: a structural reassignment with biosynthetic implications. <i>Chemical Science</i> , 2020, 11, 10939-10944.	7.4	14
78	Symmetrizing the unsymmetrical. <i>Nature</i> , 2010, 465, 560-561.	27.8	13
79	Syntheses of Cyclotrimeratrylene Analogues and Their Long Elusive Triketone Congeners. <i>Organic Letters</i> , 2014, 16, 3644-3647.	4.6	13
80	Mannich-Type Reactions of Cyclic Nitrones: Effective Methods for the Enantioselective Synthesis of Piperidine-Containing Alkaloids. <i>Angewandte Chemie</i> , 2018, 130, 15382-15386.	2.0	13
81	The changing landscape of cancer drug discovery: a challenge to the medicinal chemist of tomorrow. <i>Drug Discovery Today</i> , 2009, 14, 1045-1050.	6.4	11
82	Total synthesis, reactivity, and structural clarification of lindenatriene. <i>Tetrahedron</i> , 2019, 75, 3145-3153.	1.9	11
83	Concise and Stereoselective Total Syntheses of Annotinolides C, D, and E. <i>Journal of the American Chemical Society</i> , 2021, 143, 11951-11956.	13.7	11
84	A Concise, Enantiospecific Total Synthesis of Chilocorine C Fueled by a Reductive Cyclization/Mannich Reaction Cascade. <i>Journal of the American Chemical Society</i> , 2020, 142, 12027-12033.	13.7	10
85	Heterologous Catalysis of the Final Steps of Tetracycline Biosynthesis by <i>Saccharomyces cerevisiae</i> . <i>ACS Chemical Biology</i> , 2021, 16, 1425-1434.	3.4	10
86	Evaluation of HIV-1 inhibition by stereoisomers and analogues of the sesquiterpenoid hydroquinone peyssonol A. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2013, 23, 2192-2196.	2.2	9
87	Explorations of Caffeic Acid Derivatives: Total Syntheses of Rufescenolide, Yunnaneic Acids C and D, and Studies toward Yunnaneic Acids A and B. <i>Journal of Organic Chemistry</i> , 2014, 79, 88-105.	3.2	9
88	Synthesis and Applications of Hajos-Parrish Ketone Isomers. <i>Angewandte Chemie</i> , 2015, 127, 7953-7957.	2.0	9
89	The enantioselective total synthesis of laurendecumallene B. <i>Chemical Science</i> , 2020, 11, 3036-3041.	7.4	9
90	Synthesis of Enhanced, Isolable Disulfanium Salts and their Application to Thiiranium-Promoted Polyene Cyclizations. <i>Synthesis</i> , 2018, 50, 4351-4358.	2.3	8

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91	Development and Elucidation of a Pd-Based Cyclization-Oxygenation Sequence for Natural Product Synthesis. <i>Angewandte Chemie</i> , 2020, 132, 2696-2700.	2.0	7
92	A Concise Total Synthesis of (+)-Waihoensene Guided by Quaternary Center Analysis. <i>Angewandte Chemie</i> , 2020, 132, 13623-13627.	2.0	7
93	Generation of $\dot{\text{I}}^{\pm}$ -Boryl Radicals by H <sup>+</sup> Transfer and their Use in Cycloisomerizations. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 22678-22682.	13.8	7
94	The synthesis of diverse terpene architectures from phenols. , 2022, 1, 313-321.		7
95	Synthetic Studies of Biomimetic Diels-Alder Processes toward the Helicterin Family of Natural Products. <i>Israel Journal of Chemistry</i> , 2011, 51, 378-390.	2.3	5
96	Studies in selective 6-membered bromoether formation via bromonium and thiiranium-induced cyclizations. <i>Tetrahedron Letters</i> , 2015, 56, 3553-3556.	1.4	5
97	Hopeahainol A binds reversibly at the acetylcholinesterase (AChE) peripheral site and inhibits enzyme activity with a novel higher order concentration dependence. <i>Chemico-Biological Interactions</i> , 2016, 259, 78-84.	4.0	5
98	Strained Heterocyclic Systems. Part 21. <sup>1</sup> the Menschutkin Reaction. <i>Journal of Chemical Research</i> , 2000, 2000, 561-563.	1.3	4
99	The Enantioselective Total Synthesis of Exochomine. <i>Angewandte Chemie</i> , 2016, 128, 10457-10462.	2.0	4
100	Total Synthesis of the Meroterpenoid Manginoidin A as Fueled by a Challenging Pinacol Coupling and Bicycle-forming Etherification. <i>Angewandte Chemie</i> , 2021, 133, 11227-11232.	2.0	4
101	Mechanistic Investigations of the Cyclocondensation Step of the Knorr Pyrrole Synthesis. <i>Heterocycles</i> , 2012, 84, 265.	0.7	3
102	The Development of Reaction Cascades to Synthesize Dimeric Coccinellid Alkaloids. <i>Accounts of Chemical Research</i> , 2021, 54, 1610-1622.	15.6	3
103	Synthesis of Complex Carbohydrates: Everninomicin. , 2005, , 215-252.		1
104	Making nematodes nervous. <i>Nature Chemistry</i> , 2011, 3, 422-423.	13.6	1
105	Essential Reagents for Organic Synthesis. Herausgegeben von Philip L. Fuchs, Andr�� B. Charette, Tomislav Rovis und Jeffrey W. Bode.. <i>Angewandte Chemie</i> , 2017, 129, 8157-8157.	2.0	1
106	Strategies and Tactics for the Synthesis of Complex Alkaloids. <i>Chimia</i> , 2017, 71, 802-809.	0.6	1
107	Generation of $\dot{\text{I}}^{\pm}$ -Boryl Radicals by H <sup>+</sup> Transfer and their Use in Cycloisomerizations. <i>Angewandte Chemie</i> , 2021, 133, 22860-22864.	2.0	1
108	Tandem Reactions, Cascade Sequences, and Biomimetic Strategies in Total Synthesis. <i>ChemInform</i> , 2003, 34, no.	0.0	0

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109	The Essence of Total Synthesis. ChemInform, 2005, 36, no.	0.0	0
110	From Abyssomicin to Zaragozic Acid: Chemical Synthesis and Drug Innovation. Angewandte Chemie - International Edition, 2006, 45, 4714-4714.	13.8	0
111	Asymmetric Alkene Halogenation. Chirality, 2014, 26, 327-327.	2.6	0
112	Design and Strategy in Organic Synthesis. From the Chiron Approach to Catalysis. Herausgegeben von Stephen Hanessian, Simon Giroux und Bradley Merner.. Angewandte Chemie, 2014, 126, 3617-3617.	2.0	0