Scott A Snyder

List of Publications by Citations

122 papers	8,262 citations	42 h-index	90 g-index
156 ext. papers	9,041 ext. citations	11.2 avg, IF	6.32 L-index

#	Paper	IF	Citations
122	The Diels--Alder reaction in total synthesis. *Angewandte Chemie - International Edition*, **2002**, 41, 1668-98	16.4	1356
121	Privileged scaffolds for library design and drug discovery. *Current Opinion in Chemical Biology*, **2010**, 14, 347-61	9.7	1022
120	Tandem reactions, cascade sequences, and biomimetic strategies in total synthesis. *Chemical Communications*, **2003**, 551-64	5.8	538
119	Chasing molecules that were never there: misassigned natural products and the role of chemical synthesis in modern structure elucidation. *Angewandte Chemie - International Edition*, **2005**, 44, 1012-1044	16.4	489
118	Die Diels-Alder-Reaktion in der Totalsynthese. *Angewandte Chemie*, **2002**, 114, 1742-1773	3.6	320
117	Total synthesis of diverse carbogenic complexity within the resveratrol class from a common building block. *Journal of the American Chemical Society*, **2009**, 131, 1753-65	16.4	227
116	Simple reagents for direct halonium-induced polyene cyclizations. *Journal of the American Chemical Society*, **2010**, 132, 14303-14	16.4	203
115	Regioselective reactions for programmable resveratrol oligomer synthesis. *Nature*, **2011**, 474, 461-6	50.4	162
114	Chemistry and biology of diazonamide A: first total synthesis and confirmation of the true structure. *Journal of the American Chemical Society*, **2004**, 126, 12888-96	16.4	161
113	The second total synthesis of diazonamide A. *Angewandte Chemie - International Edition*, **2003**, 42, 1753-8	16.4	158
112	Total synthesis of resveratrol-based natural products: a chemoselective solution. *Angewandte Chemie - International Edition*, **2007**, 46, 8186-91	16.4	149
111	Enantioselective total synthesis of (-)-napyradiomycin A1 via asymmetric chlorination of an isolated olefin. *Journal of the American Chemical Society*, **2009**, 131, 5744-5	16.4	145
110	Total synthesis of diazonamide A. *Angewandte Chemie - International Edition*, **2002**, 41, 3495-9	16.4	144
109	Chemistry and biology of diazonamide A: second total synthesis and biological investigations. *Journal of the American Chemical Society*, **2004**, 126, 12897-906	16.4	142
108	Et2SBrSbCl5Br: an effective reagent for direct bromonium-induced polyene cyclizations. *Angewandte Chemie - International Edition*, **2009**, 48, 7899-903	16.4	131
107	Die Jagd auf Molekle, die nie existiert haben: Falsch zugeordnete Naturstoffstrukturen und die Rolle der chemischen Synthese in der modernen Strukturaufklung. *Angewandte Chemie*, **2005**, 117, 1036-1069	3.6	126
106	Structure of papain-like protease from SARS-CoV-2 and its complexes with non-covalent inhibitors. *Nature Communications*, **2021**, 12, 743	17.4	121

105	A concise total synthesis of (+)-scholarisine A empowered by a unique C-H arylation. *Journal of the American Chemical Society*, **2013**, 135, 12964-7	16.4	116
104	Concise total syntheses of palominol, dolabellatrienone, beta-araneosene, and isoedunol via an enantioselective Diels-Alder macrobicyclization. *Journal of the American Chemical Society*, **2006**, 128, 740-2	16.4	102
103	The essence of total synthesis. *Proceedings of the National Academy of Sciences of the United States of America*, **2004**, 101, 11929-36	11.5	88
102	Studies toward diazonamide A: initial synthetic forays directed toward the originally proposed structure. *Journal of the American Chemical Society*, **2004**, 126, 10162-73	16.4	87
101	New uses for the Burgess reagent in chemical synthesis: methods for the facile and stereoselective formation of sulfamidates, glycosylamines, and sulfamides. *Chemistry - A European Journal*, **2004**, 10, 5581-606	4.8	84
100	Novel Reactions Initiated by Titanocene Methylidenes: Deoxygenation of Sulfoxides, N-Oxides, and Selenoxides We thank Drs. D. H. Huang and G. Suizdak for NMR spectroscopic and mass spectroscopic assistance, respectively. Financial support for this work was provided by The Skaggs Institute for Chemical Biology, the National Institutes of Health (USA), fellowships from the National Science Foundation (S.A.S.) and the Alfred Benzons Foundation (K.B.S.), and grants from Abbott, Amgen, Boehringer-Ingelheim, Glax. *Angewandte Chemie - International Edition*, **2000**, 39, 2529-2533	16.4	83
99	Total syntheses of dalesconol A and B. *Angewandte Chemie - International Edition*, **2010**, 49, 5146-50	16.4	79
98	Solution and Solid-Phase Synthesis of Functionalized 3-Arylbenzofurans by a Novel Cyclofragmentation Release Pathway. *Angewandte Chemie - International Edition*, **2000**, 39, 1093-1096	16.4	74
97	A general strategy for the stereocontrolled preparation of diverse 8- and 9-membered Laurencia-type bromoethers. *Journal of the American Chemical Society*, **2011**, 133, 15898-901	16.4	73
96	A novel regio- and stereoselective synthesis of sulfamidates from 1,2-diols using Burgess and related reagents: a facile entry into beta-amino alcohols. *Angewandte Chemie - International Edition*, **2002**, 41, 834-8	16.4	70
95	Construction of the Complete Aromatic Core of Diazonamide A by a Novel Hetero Pinacol Macrocyclization Cascade Reaction We thank Drs. D. H. Huang and G. Suizdak for NMR spectroscopic and mass spectrometric assistance, respectively. Financial support for this work was provided by The Skaggs Institute for Chemical Biology, the National Institutes of Health (USA), [illegible] (S.A.S.), a [illegible] *International Edition*, **2001**, 40, 4705-4709	16.4	66
94	Total syntheses of hopeanol and hopeahainol A empowered by a chiral Brønsted acid induced pinacol rearrangement. *Angewandte Chemie - International Edition*, **2012**, 51, 4080-4	16.4	64
93	Concise synthetic approaches for the Laurencia family: formal total syntheses of (–)-laurefucin and (–)-E- and (–)-Z-pinnatifidenyne. *Journal of the American Chemical Society*, **2012**, 134, 17714-21	16.4	58
92	Pyrone Diels-Alder Routes to Indolines and Hydroindolines: Syntheses of Gracilamine, Mesembrine, and (–) -Mesembrenone. *Angewandte Chemie - International Edition*, **2016**, 55, 3625-30	16.4	55
91	Quaternary-centre-guided synthesis of complex polycyclic terpenes. *Nature*, **2019**, 569, 703-707	50.4	52
90	A two-step mimic for direct, asymmetric bromonium- and chloronium-induced polyene cyclizations. *Tetrahedron*, **2010**, 66, 4796-4804	2.4	52
89	Studies toward diazonamide A: development of a hetero-pinacol macrocyclization cascade for the construction of the bis-macrocyclic framework of the originally proposed structure. *Journal of the American Chemical Society*, **2004**, 126, 10174-82	16.4	52
88	Total syntheses of heimiol A, hopeahainol D, and constrained analogues. *Angewandte Chemie - International Edition*, **2011**, 50, 8629-33	16.4	49

87	Explorations into neolignan biosynthesis: concise total syntheses of helicterin B, helisorin, and helisterculin A from a common intermediate. *Journal of the American Chemical Society*, **2009**, 131, 1745-52	16.4	49
86	A new method for the stereoselective synthesis of alpha- and beta-glycosylamines using the Burgess reagent. *Journal of the American Chemical Society*, **2004**, 126, 6234-5	16.4	49
85	An efficient approach to the securinega alkaloids empowered by cooperative N-heterocyclic carbene/Lewis acid catalysis. *Angewandte Chemie - International Edition*, **2013**, 52, 5789-94	16.4	48
84	The Second Total Synthesis of Diazonamide A. *Angewandte Chemie*, **2003**, 115, 1795-1800	3.6	47
83	Intramolecular Hetero Diels□Alder Routes to □Carboline Alkaloids. *Tetrahedron*, **2000**, 56, 5329-5335	2.4	46
82	Structural revision and total synthesis of caraphenol B and C. *Organic Letters*, **2011**, 13, 5524-7	6.2	44
81	Synthetic approaches to oligomeric natural products. *Natural Product Reports*, **2011**, 28, 897-924	15.1	44
80	A 7-Step Formal Asymmetric Total Synthesis of Strictamine via an Asymmetric Propargylation and Metal-Mediated Cyclization. *Organic Letters*, **2017**, 19, 1004-1007	6.2	41
79	Harnessing quinone methides: total synthesis of (−)-vaticanol A. *Angewandte Chemie - International Edition*, **2014**, 53, 6747-51	16.4	39
78	A new method for the synthesis of nonsymmetrical sulfamides using burgess-type reagents. *Angewandte Chemie - International Edition*, **2002**, 41, 3866-70	16.4	39
77	Total Synthesis of Diazonamide A. *Angewandte Chemie*, **2002**, 114, 3645-3649	3.6	38
76	Enantiospecific Total Synthesis of the Highly Strained (-)-Presilphiperfolan-8-ol via a Pd-Catalyzed Tandem Cyclization. *Journal of the American Chemical Society*, **2017**, 139, 5007-5010	16.4	37
75	Total Synthesis of the Caged Indole Alkaloid Arboridinine Enabled by aza-Prins and Metal-Mediated Cyclizations. *Journal of the American Chemical Society*, **2018**, 140, 919-925	16.4	37
74	A concise, stereocontrolled total synthesis of rippertenol. *Journal of the American Chemical Society*, **2011**, 133, 8850-3	16.4	34
73	Synthesis and Applications of Hajos-Parrish Ketone Isomers. *Angewandte Chemie - International Edition*, **2015**, 54, 7842-6	16.4	30
72	9-Membered carbocycle formation: development of distinct Friedel-Crafts cyclizations and application to a scalable total synthesis of (−)-caraphenol A. *Angewandte Chemie - International Edition*, **2014**, 53, 3409-13	16.4	30
71	Mannich-type Reactions of Cyclic Nitrones: Effective Methods for the Enantioselective Synthesis of Piperidine-containing Alkaloids. *Angewandte Chemie - International Edition*, **2018**, 57, 15162-15166	16.4	30
70	Total Synthesis of (+)-Arborisidine. *Journal of the American Chemical Society*, **2019**, 141, 7715-7720	16.4	29

69	A strategy for complex dimer formation when biomimicry fails: total synthesis of ten coccinellid alkaloids. *Journal of the American Chemical Society*, **2014**, 136, 9743-53	16.4	29
68	Total Syntheses of Scaparvins B, C, and D Enabled by a Key C-H Functionalization. *Journal of the American Chemical Society*, **2017**, 139, 18428-18431	16.4	29
67	Synthetic and theoretical investigations of myrmicarin biosynthesis. *Angewandte Chemie - International Edition*, **2010**, 49, 9693-8	16.4	27
66	Explorations into the Potential of Chiral Sulfonium Reagents to Effect Asymmetric Halonium Additions to Isolated Alkenes. *Synthesis*, **2013**, 45, 1886-1898	2.9	25
65	Asymmetric pyrone Diels-Alder reactions enabled by dienamine catalysis. *Chemical Science*, **2019**, 11, 2175-2180	9.4	25
64	Construction of the Complete Aromatic Core of Diazonamide A by a Novel Hetero Pinacol Macrocyclization Cascade Reaction. *Angewandte Chemie*, **2001**, 113, 4841-4845	3.6	23
63	Pyrone Diels□Alder Routes to Indolines and Hydroindolines: Syntheses of Gracilamine, Mesembrine, and □-Mesembrenone. *Angewandte Chemie*, **2016**, 128, 3689-3694	3.6	22
62	A Concise Total Synthesis of (+)-Waihoensene Guided by Quaternary Center Analysis. *Angewandte Chemie - International Edition*, **2020**, 59, 13521-13525	16.4	21
61	The Enantioselective Total Synthesis of Exochomine. *Angewandte Chemie - International Edition*, **2016**, 55, 10301-6	16.4	20
60	Total Syntheses of Hopeanol and Hopeahainol A Empowered by a Chiral Br□sted Acid Induced Pinacol Rearrangement. *Angewandte Chemie*, **2012**, 124, 4156-4160	3.6	18
59	Strategies for the Total Synthesis of Diverse Bromo-Chamigrenes. *Organic Letters*, **2016**, 18, 5018-5021	6.2	17
58	Resveratrol trimer enhances gene delivery to hematopoietic stem cells by reducing antiviral restriction at endosomes. *Blood*, **2019**, 134, 1298-1311	2.2	16
57	A concise route to isocanthin-6-one. *Tetrahedron Letters*, **1998**, 39, 1111-1112	2	16
56	Regioselective aldol condensations of a cholestanone-derived dialdehyde: new twists on a classic reaction. *Tetrahedron Letters*, **2006**, 47, 2083-2086	2	16
55	General Synthetic Approach for the Laurencia Family of Natural Products Empowered by a Potentially Biomimetic Ring Expansion. *Journal of the American Chemical Society*, **2019**, 141, 7776-7788	16.4	15
54	Harnessing Quinone Methides: Total Synthesis of (–)-Vaticanol A. *Angewandte Chemie*, **2014**, 126, 6865-6869	3.6	15
53	Isolable and Readily Handled Halophosphonium Pre-reagents for Hydro- and Deuteriohalogenation. *Journal of the American Chemical Society*, **2017**, 139, 6329-6337	16.4	14
52	Alkyldisulfanium Salts: Isolable, Electrophilic Sulfur Reagents Competent for Polyene Cyclizations. *Organic Letters*, **2017**, 19, 2-5	6.2	14

51	9-Membered Carbocycle Formation: Development of Distinct Friedel□Crafts Cyclizations and Application to a Scalable Total Synthesis of (–)-Caraphenol A. *Angewandte Chemie*, **2014**, 126, 3477-3481	3.6	14
50	A New Method for the Synthesis of Nonsymmetrical Sulfamides Using Burgess-Type Reagents. *Angewandte Chemie*, **2002**, 114, 4022-4026	3.6	14
49	Total Syntheses of Heimiol A, Hopeahainol D, and Constrained Analogues. *Angewandte Chemie*, **2011**, 123, 8788-8792	3.6	13
48	Chasing Molecules That Were Never There: Misassigned Natural Products and the Role of Chemical Synthesis in Modern Structure Elucidation. *Angewandte Chemie - International Edition*, **2005**, 44, 2050-2050	16.4	13
47	The Total Synthesis of Chalcitrin. *Journal of the American Chemical Society*, **2019**, 141, 4515-4520	16.4	13
46	Syntheses of cyclotriveratrylene analogues and their long elusive triketone congeners. *Organic Letters*, **2014**, 16, 3644-7	6.2	12
45	Synthetic Approaches to the Resveratrol-Based Family of Oligomeric Natural Products **2011**, 695-721		11
44	Mannich-type Reactions of Cyclic Nitrones: Effective Methods for the Enantioselective Synthesis of Piperidine-containing Alkaloids. *Angewandte Chemie*, **2018**, 130, 15382-15386	3.6	11
43	Total syntheses of spiroviolene and spirograterpene A: a structural reassignment with biosynthetic implications. *Chemical Science*, **2020**, 11, 10939-10944	9.4	10
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41	The changing landscape of cancer drug discovery: a challenge to the medicinal chemist of tomorrow. *Drug Discovery Today*, **2009**, 14, 1045-50	8.8	8
40	A Novel Regio- and Stereoselective Synthesis of Sulfamidates from 1,2-Diols Using Burgess and Related Reagents: A Facile Entry into □Amino Alcohols. *Angewandte Chemie*, **2002**, 114, 862-866	3.6	8
39	Development and Elucidation of a Pd-Based Cyclization-Oxygenation Sequence for Natural Product Synthesis. *Angewandte Chemie - International Edition*, **2020**, 59, 2674-2678	16.4	8
38	A Concise, Enantiospecific Total Synthesis of Chilocorine C Fueled by a Reductive Cyclization/Mannich Reaction Cascade. *Journal of the American Chemical Society*, **2020**, 142, 12027-12033	16.4	7
37	Explorations of caffeic acid derivatives: total syntheses of rufescenolide, yunnaneic acids C and D, and studies toward yunnaneic acids A and B. *Journal of Organic Chemistry*, **2014**, 79, 88-105	4.2	7
36	Evaluation of HIV-1 inhibition by stereoisomers and analogues of the sesquiterpenoid hydroquinone peyssonol A. *Bioorganic and Medicinal Chemistry Letters*, **2013**, 23, 2192-6	2.9	7
35	A Concise Total Synthesis of (+)-Waihoensene Guided by Quaternary Center Analysis. *Angewandte Chemie*, **2020**, 132, 13623-13627	3.6	6
34	Total Synthesis of the Meroterpenoid Manginoid A as Fueled by a Challenging Pinacol Coupling and Bicycle-forming Etherification. *Angewandte Chemie - International Edition*, **2021**, 60, 11127-11132	16.4	6

33	Synthesis of aza-quaternary centers Pictet-Spengler reactions of ketonitrones. *Chemical Science*, **2021**, 12, 6181-6187	9.4	6
32	The enantioselective total synthesis of laurendecumallene B. *Chemical Science*, **2020**, 11, 3036-3041	9.4	5
31	Hopeahainol A binds reversibly at the acetylcholinesterase (AChE) peripheral site and inhibits enzyme activity with a novel higher order concentration dependence. *Chemico-Biological Interactions*, **2016**, 259, 78-84	5	5
30	Pinacol and Semipinacol Rearrangements in Total Synthesis **2015**, 1-34		5
29	Die Jagd auf Molekle, die nie existiert haben: Falsch zugeordnete Naturstoffstrukturen und die Rolle der chemischen Synthese in der modernen Strukturaufklung. *Angewandte Chemie*, **2005**, 117, 2086-2086	3.6	5
28	Highly Selective Hydrogenation of C?C Bonds Catalyzed by a Rhodium Hydride. *Journal of the American Chemical Society*, **2021**, 143, 9657-9663	16.4	5
27	Studies in selective 6-membered bromoether formation via bromonium and thiiranium-induced cyclizations. *Tetrahedron Letters*, **2015**, 56, 3553-3556	2	4
26	Strategies for the Controlled Synthesis of Oligomeric Polyphenols **2012**, 311-351		4
25	Synthetic Studies of Biomimetic DielsAlder Processes toward the Helicterin Family of Natural Products. *Israel Journal of Chemistry*, **2011**, 51, 378-390	3.4	4
24	Development and Elucidation of a Pd-Based CyclizationOxygenation Sequence for Natural Product Synthesis. *Angewandte Chemie*, **2020**, 132, 2696-2700	3.6	4
23	The Enantioselective Total Synthesis of Exochomine. *Angewandte Chemie*, **2016**, 128, 10457-10462	3.6	4
22	Synthesis of Et2SBrSbCl5Br and Its Use in Biomimetic Brominative Polyene Cyclizations **2011**, 54-69		4
21	Synthesis of Enhanced, Isolable Disulfanium Salts and their Application to Thiiranium-Promoted Polyene Cyclizations. *Synthesis*, **2018**, 50, 4351-4358	2.9	3
20	Mechanistic Investigations of the Cyclocondensation Step of the Knorr Pyrrole Synthesis. *Heterocycles*, **2012**, 84, 265	0.8	3
19	Synthetic and Theoretical Investigations of Myrmicarin Biosynthesis. *Angewandte Chemie*, **2010**, 122, 9887-9892	3.6	3
18	Total Synthesis of the Meroterpenoid Manginoid A as Fueled by a Challenging Pinacol Coupling and Bicycle-forming Etherification. *Angewandte Chemie*, **2021**, 133, 11227-11232	3.6	3
17	Concise and Stereoselective Total Syntheses of Annotinolides C, D, and E. *Journal of the American Chemical Society*, **2021**, 143, 11951-11956	16.4	3
16	Asymmetric Halonium Addition to Olefins **2013**, 147-155		2

15	Diversity-Oriented Syntheses of Natural Products and Natural Product-Like Compounds **2012**, 1-31		2
14	Strained Heterocyclic Systems. Part 21.1 the Menschutkin Reaction. *Journal of Chemical Research*, **2000**, 2000, 561-563	0.6	2
13	Heterologous Catalysis of the Final Steps of Tetracycline Biosynthesis by. *ACS Chemical Biology*, **2021**, 16, 1425-1434	4.9	2
12	Total synthesis, reactivity, and structural clarification of lindenatriene. *Tetrahedron*, **2019**, 75, 3145-3153	2.4	1
11	Strategies and Tactics for the Synthesis of Complex Alkaloids. *Chimia*, **2017**, 71, 802-809	1.3	1
10	Natural product synthesis: making nematodes nervous. *Nature Chemistry*, **2011**, 3, 422-3	17.6	1
9	The Development of Reaction Cascades to Synthesize Dimeric Coccinellid Alkaloids. *Accounts of Chemical Research*, **2021**, 54, 1610-1622	24.3	1
8	Generation of -Boryl Radicals by H Transfer and their Use in Cycloisomerizations. *Angewandte Chemie - International Edition*, **2021**, 60, 22678-22682	16.4	1
7	Essential Reagents for Organic Synthesis. Herausgegeben von Philip L. Fuchs, Andr B. Charette, Tomislav Rovis und Jeffrey W. Bode.. *Angewandte Chemie*, **2017**, 129, 8157-8157	3.6	0
6	Bromodiethylsulfonium Bromopentachloroantimonate **2015**, 1-3		0
5	The synthesis of diverse terpene architectures from phenols **2022**, 1, 313-321		0
4	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	3.6	
3	From Abyssomicin to Zaragozic Acid: Chemical Synthesis and Drug Innovation. *Angewandte Chemie - International Edition*, **2006**, 45, 4714-4714	16.4	
2	Synthesis of Complex Carbohydrates: Everninomicin **2005**, 215-252		
1	Generation of -Boryl Radicals by H. Transfer and their Use in Cycloisomerizations. *Angewandte Chemie*, **2021**, 133, 22860	3.6	