

Kyriacos C Nicolaou

List of Publications by Year in descending order

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733
papers

66,730
citations

831

121
h-index

2018

212
g-index

785
all docs

785
docs citations

785
times ranked

31729
citing authors

#	ARTICLE	IF	CITATIONS
1	Palladium-Catalyzed Cross-Coupling Reactions in Total Synthesis. <i>Angewandte Chemie - International Edition</i> , 2005, 44, 4442-4489.	7.2	2,426
2	Cascade Reactions in Total Synthesis. <i>Angewandte Chemie - International Edition</i> , 2006, 45, 7134-7186.	7.2	1,939
3	The Diels-Alder Reaction in Total Synthesis. <i>Angewandte Chemie - International Edition</i> , 2002, 41, 1668-1698.	7.2	1,570
4	Metathesis Reactions in Total Synthesis. <i>Angewandte Chemie - International Edition</i> , 2005, 44, 4490-4527.	7.2	1,101
5	Total synthesis of taxol. <i>Nature</i> , 1994, 367, 630-634.	13.7	1,030
6	Chemistry and Biology of the Eneidyne Anticancer Antibiotics. <i>Angewandte Chemie International Edition in English</i> , 1991, 30, 1387-1416.	4.4	964
7	The art of total synthesis through cascade reactions. <i>Chemical Society Reviews</i> , 2009, 38, 2993.	18.7	669
8	Natural Product-like Combinatorial Libraries Based on Privileged Structures. 1. General Principles and Solid-Phase Synthesis of Benzopyrans. <i>Journal of the American Chemical Society</i> , 2000, 122, 9939-9953.	6.6	668
9	Chemistry, Biology, and Medicine of the Glycopeptide Antibiotics. <i>Angewandte Chemie - International Edition</i> , 1999, 38, 2096-2152.	7.2	664
10	Tandem reactions, cascade sequences, and biomimetic strategies in total synthesis. <i>Chemical Communications</i> , 2003, , 551-564.	2.2	571
11	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.	7.2	556
12	The Art and Science of Total Synthesis at the Dawn of the Twenty-First Century. <i>Angewandte Chemie - International Edition</i> , 2000, 39, 44-122.	7.2	531
13	The Chemistry and Biology of Alkannin, Shikonin, and Related Naphthazarin Natural Products. <i>Angewandte Chemie - International Edition</i> , 1999, 38, 270-301.	7.2	519
14	Efficient and mild lactonization method for the synthesis of macrolides. <i>Journal of the American Chemical Society</i> , 1974, 96, 5614-5616.	6.6	501
15	A common pharmacophore for epothilone and taxanes: Molecular basis for drug resistance conferred by tubulin mutations in human cancer cells. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2000, 97, 2904-2909.	3.3	463
16	Aldehyde Dehydrogenase Inhibitors: a Comprehensive Review of the Pharmacology, Mechanism of Action, Substrate Specificity, and Clinical Application. <i>Pharmacological Reviews</i> , 2012, 64, 520-539.	7.1	445
17	Iodine(V) Reagents in Organic Synthesis. Part 4. <i>o</i> -Iodoxybenzoic Acid as a Chemospecific Tool for Single Electron Transfer-Based Oxidation Processes. <i>Journal of the American Chemical Society</i> , 2002, 124, 2245-2258.	6.6	420
18	Samarium Diodide Mediated Reactions in Total Synthesis. <i>Angewandte Chemie - International Edition</i> , 2009, 48, 7140-7165.	7.2	420

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19	Synthesis of epothilones A and B in solid and solution phase. <i>Nature</i> , 1997, 387, 268-272.	13.7	412
20	The Eneidyne Antibiotics. <i>Journal of Medicinal Chemistry</i> , 1996, 39, 2103-2117.	2.9	369
21	A New Method for the One-Step Synthesis of α,β -Unsaturated Carbonyl Systems from Saturated Alcohols and Carbonyl Compounds. <i>Journal of the American Chemical Society</i> , 2000, 122, 7596-7597.	6.6	363
22	A Chemical, Genetic, and Structural Analysis of the Nuclear Bile Acid Receptor FXR. <i>Molecular Cell</i> , 2003, 11, 1079-1092.	4.5	359
23	Activation of 6-endo over 5-exo hydroxy epoxide openings. Stereoselective and ring selective synthesis of tetrahydrofuran and tetrahydropyran systems. <i>Journal of the American Chemical Society</i> , 1989, 111, 5330-5334.	6.6	342
24	A Mild and Selective Method for the Hydrolysis of Esters with Trimethyltin Hydroxide. <i>Angewandte Chemie - International Edition</i> , 2005, 44, 1378-1382.	7.2	331
25	Protracted low-dose effects on human endothelial cell proliferation and survival in vitro reveal a selective antiangiogenic window for various chemotherapeutic drugs. <i>Cancer Research</i> , 2002, 62, 6938-43.	0.4	330
26	Practical synthesis of oligosaccharides. Partial synthesis of avermectin B1a. <i>Journal of the American Chemical Society</i> , 1984, 106, 4189-4192.	6.6	320
27	Chemical Biology of Epothilones. <i>Angewandte Chemie - International Edition</i> , 1998, 37, 2014-2045.	7.2	320
28	Designed Eneidynes: A New Class of DNA-Cleaving Molecules with Potent and Selective Anticancer Activity. <i>Science</i> , 1992, 256, 1172-1178.	6.0	314
29	Cyclic conjugated eneidynes related to calicheamicins and esperamicins: calculations, synthesis, and properties. <i>Journal of the American Chemical Society</i> , 1988, 110, 4866-4868.	6.6	296
30	Chemie und Biologie von Endiinen - Cytostatica/Antibiotica. <i>Angewandte Chemie</i> , 1991, 103, 1453-1481.	1.6	292
31	Natural Product-like Combinatorial Libraries Based on Privileged Structures. 2. Construction of a 10 ⁴ -Membered Benzopyran Library by Directed Split-and-Pool Chemistry Using NanoKans and Optical Encoding. <i>Journal of the American Chemical Society</i> , 2000, 122, 9954-9967.	6.6	292
32	o-Iodoxybenzoic Acid (IBX) as a Viable Reagent in the Manipulation of Nitrogen- and Sulfur-Containing Substrates: A Scope, Generality, and Mechanism of IBX-Mediated Amine Oxidations and Dithiane Deprotections. <i>Journal of the American Chemical Society</i> , 2004, 126, 5192-5201.	6.6	289
33	Radiofrequency Encoded Combinatorial Chemistry. <i>Angewandte Chemie International Edition in English</i> , 1995, 34, 2289-2291.	4.4	276
34	De novo design and synthesis of somatostatin non-peptide peptidomimetics utilizing β -D-glucose as a novel scaffolding. <i>Journal of the American Chemical Society</i> , 1993, 115, 12550-12568.	6.6	275
35	A mild and general method for the synthesis of O-glycosides. <i>Journal of the American Chemical Society</i> , 1983, 105, 2430-2434.	6.6	270
36	Modulation of the Reactivity Profile of IBX by Ligand Complexation: Ambient Temperature Dehydrogenation of Aldehydes and Ketones to α,β -Unsaturated Carbonyl Compounds. <i>Angewandte Chemie - International Edition</i> , 2002, 41, 993-996.	7.2	258

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37	Iodine(V) Reagents in Organic Synthesis. Part 3. New Routes to Heterocyclic Compounds via Iodoxybenzoic Acid-Mediated Cyclizations: A Generality, Scope, and Mechanism. <i>Journal of the American Chemical Society</i> , 2002, 124, 2233-2244.	6.6	255
38	Chemistry and biology of natural and designed enediynes.. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1993, 90, 5881-5888.	3.3	248
39	A General and Highly Efficient Solid Phase Synthesis of Oligosaccharides. Total Synthesis of a Heptasaccharide Phytoalexin Elicitor (HPE). <i>Journal of the American Chemical Society</i> , 1997, 119, 449-450.	6.6	246
40	Prostacyclin: a potentially valuable agent for preserving myocardial tissue in acute myocardial ischemia. <i>Science</i> , 1978, 200, 52-54.	6.0	244
41	Nonpeptidal peptidomimetics with .beta.-D-glucose scaffolding. A partial somatostatin agonist bearing a close structural relationship to a potent, selective substance P antagonist. <i>Journal of the American Chemical Society</i> , 1992, 114, 9217-9218.	6.6	242
42	New Reactions of IBX: Oxidation of Nitrogen- and Sulfur-Containing Substrates To Afford Useful Synthetic Intermediates. <i>Angewandte Chemie - International Edition</i> , 2003, 42, 4077-4082.	7.2	238
43	Stereospecific 1,2-migrations in carbohydrates. Stereocontrolled synthesis of .alpha.- and .beta.-2-deoxyglycosides. <i>Journal of the American Chemical Society</i> , 1986, 108, 2466-2467.	6.6	236
44	Molecular design, chemical synthesis, and biological action of enediynes. <i>Accounts of Chemical Research</i> , 1992, 25, 497-503.	7.6	236
45	N-Phenylselenophthalimide (N-PSP) and N-phenylselenosuccinimide (N-PSS). Two versatile carriers of the phenylseleno group. Oxyselenation of olefins and a selenium-based macrolide synthesis. <i>Journal of the American Chemical Society</i> , 1979, 101, 3704-3706.	6.6	227
46	The Wittig and Related Reactions in Natural Product Synthesis. <i>Liebigs Annalen</i> , 1997, 1997, 1283-1301.	0.8	224
47	Oxidation of Silyl Enol Ethers by Using IBX and IBX's N-Oxide Complexes: A Mild and Selective Reaction for the Synthesis of Enones. <i>Angewandte Chemie - International Edition</i> , 2002, 41, 996-1000.	7.2	224
48	Stimulation of renin release from rabbit renal cortex by arachidonic acid and prostaglandin endoperoxides.. <i>Circulation Research</i> , 1976, 39, 868-874.	2.0	221
49	Total Synthesis of Epothilone A: The Olefin Metathesis Approach. <i>Angewandte Chemie International Edition in English</i> , 1997, 36, 166-168.	4.4	220
50	Total Synthesis of taxol. 2. Construction of A and C ring intermediates and initial attempts to construct the ABC ring system. <i>Journal of the American Chemical Society</i> , 1995, 117, 634-644.	6.6	219
51	Natural Product-like Combinatorial Libraries Based on Privileged Structures. 3. The "Libraries from Libraries" Principle for Diversity Enhancement of Benzopyran Libraries. <i>Journal of the American Chemical Society</i> , 2000, 122, 9968-9976.	6.6	215
52	Enantioselective Dichlorination of Allylic Alcohols. <i>Journal of the American Chemical Society</i> , 2011, 133, 8134-8137.	6.6	215
53	Chemical self-replication of palindromic duplex DNA. <i>Nature</i> , 1994, 369, 218-221.	13.7	212
54	Total synthesis of rapamycin. <i>Journal of the American Chemical Society</i> , 1993, 115, 4419-4420.	6.6	211

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55	Total Syntheses of Epothilones A and B via a Macrolactonization-Based Strategy. <i>Journal of the American Chemical Society</i> , 1997, 119, 7974-7991.	6.6	205
56	Chemical Synthesis and Biological Evaluation of cis- and trans-12,13-Cyclopropyl and 12,13-Cyclobutyl Epothilones and Related Pyridine Side Chain Analogues. <i>Journal of the American Chemical Society</i> , 2001, 123, 9313-9323.	6.6	205
57	Asymmetric Total Syntheses of Platensimycin. <i>Angewandte Chemie - International Edition</i> , 2007, 46, 3942-3945.	7.2	205
58	The endiandric acid cascade. Electrocyclizations in organic synthesis. I. Stepwise, stereocontrolled total synthesis of endiandric acids A and B. <i>Journal of the American Chemical Society</i> , 1982, 104, 5555-5557.	6.6	201
59	Constructing molecular complexity and diversity: total synthesis of natural products of biological and medicinal importance. <i>Chemical Society Reviews</i> , 2012, 41, 5185.	18.7	199
60	Recent Advances in the Chemistry and Biology of Naturally Occurring Antibiotics. <i>Angewandte Chemie - International Edition</i> , 2009, 48, 660-719.	7.2	198
61	Olefin Metathesis in Cyclic Ether Formation. Direct Conversion of Olefinic Esters to Cyclic Enol Ethers with Tebbe-Type Reagents. <i>Journal of the American Chemical Society</i> , 1996, 118, 1565-1566.	6.6	197
62	Enhanced microtubule-dependent trafficking and p53 nuclear accumulation by suppression of microtubule dynamics. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2002, 99, 10855-10860.	3.3	192
63	Selective Binding Site for [³ H]Prostacyclin on Platelets. <i>Journal of Clinical Investigation</i> , 1979, 63, 215-220.	3.9	189
64	Total Synthesis of Taxol. 1. Retrosynthesis, Degradation, and Reconstitution. <i>Journal of the American Chemical Society</i> , 1995, 117, 624-633.	6.6	182
65	Chemistry and Biology of Diazonamide A: A First Total Synthesis and Confirmation of the True Structure. <i>Journal of the American Chemical Society</i> , 2004, 126, 12888-12896.	6.6	182
66	Enantioselective Intramolecular Friedel-Crafts-Type α -Arylation of Aldehydes. <i>Journal of the American Chemical Society</i> , 2009, 131, 2086-2087.	6.6	181
67	Phenylseleno- and phenylsulfenolactonizations. Two highly efficient and synthetically useful cyclization procedures. <i>Journal of the American Chemical Society</i> , 1979, 101, 3884-3893.	6.6	178
68	Total Synthesis of Platensimycin. <i>Angewandte Chemie - International Edition</i> , 2006, 45, 7086-7090.	7.2	178
69	The Continuing Saga of the Marine Polyether Biotoxins. <i>Angewandte Chemie - International Edition</i> , 2008, 47, 7182-7225.	7.2	178
70	The Olefin Metathesis Approach to Epothilone A and Its Analogues. <i>Journal of the American Chemical Society</i> , 1997, 119, 7960-7973.	6.6	177
71	The Second Total Synthesis of Diazonamide A. <i>Angewandte Chemie - International Edition</i> , 2003, 42, 1753-1758.	7.2	176
72	Total Synthesis of Taxol. 4. The Final Stages and Completion of the Synthesis. <i>Journal of the American Chemical Society</i> , 1995, 117, 653-659.	6.6	174

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73	Total Synthesis of Hamigerans and Analogues Thereof. Photochemical Generation and Diels-Alder Trapping of Hydroxy-o-quinodimethanes. <i>Journal of the American Chemical Society</i> , 2004, 126, 613-627.	6.6	172
74	Cyclizations of hydroxy dithioketals. New synthetic technology for the construction of oxocenes and related medium-ring systems. <i>Journal of the American Chemical Society</i> , 1989, 111, 5321-5330.	6.6	169
75	Activation of 7-endo over 6-exo epoxide openings. Synthesis of oxepane and tetrahydropyran systems. <i>Journal of the American Chemical Society</i> , 1989, 111, 5335-5340.	6.6	164
76	Palladium-Catalyzed Functionalization of Lactones via Their Cyclic Ketene Acetal Phosphates. Efficient New Synthetic Technology for the Construction of Medium and Large Cyclic Ethers. <i>Journal of the American Chemical Society</i> , 1997, 119, 5467-5468.	6.6	164
77	Total Synthesis of Vancomycin Part 1: Design and Development of Methodology. <i>Chemistry - A European Journal</i> , 1999, 5, 2584-2601.	1.7	164
78	Cardiac and Renal Prostaglandin I ₂ . <i>Journal of Clinical Investigation</i> , 1978, 61, 839-849.	3.9	163
79	Total Synthesis of Taxol. 3. Formation of Taxol's ABC Ring Skeleton. <i>Journal of the American Chemical Society</i> , 1995, 117, 645-652.	6.6	162
80	Total synthesis of brevetoxin A. <i>Nature</i> , 1998, 392, 264-269.	13.7	161
81	Designed Epothilones: Combinatorial Synthesis, Tubulin Assembly Properties, and Cytotoxic Action against Taxol-Resistant Tumor Cells. <i>Angewandte Chemie International Edition in English</i> , 1997, 36, 2097-2103.	4.4	160
82	Chemistry and Biology of Diazonamide A: Second Total Synthesis and Biological Investigations. <i>Journal of the American Chemical Society</i> , 2004, 126, 12897-12906.	6.6	160
83	Total synthesis of erythromycins. 4. Total synthesis of erythronolide B. <i>Journal of the American Chemical Society</i> , 1978, 100, 4620-4622.	6.6	157
84	Total Synthesis of Diazonamide A. <i>Angewandte Chemie - International Edition</i> , 2002, 41, 3495-3499.	7.2	157
85	Total Synthesis of Platensimycin and Related Natural Products. <i>Journal of the American Chemical Society</i> , 2009, 131, 16905-16918.	6.6	157
86	Total synthesis of the tumor-associated Lex family of glycosphingolipids. <i>Journal of the American Chemical Society</i> , 1990, 112, 3693-3695.	6.6	155
87	The endiandric acid cascade. Electrocyclizations in organic synthesis. 4. Biomimetic approach to endiandric acids A-G. Total synthesis and thermal studies. <i>Journal of the American Chemical Society</i> , 1982, 104, 5560-5562.	6.6	153
88	Total synthesis of amphotericin B. 3. The final stages. <i>Journal of the American Chemical Society</i> , 1988, 110, 4696-4705.	6.6	153
89	Design, synthesis, and study of simple monocyclic conjugated enediynes. The 10-membered ring enediyne moiety of the enediyne anticancer antibiotics. <i>Journal of the American Chemical Society</i> , 1992, 114, 7360-7371.	6.6	153
90	Total Synthesis of Vancomycin. <i>Angewandte Chemie - International Edition</i> , 1999, 38, 240-244.	7.2	150

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91	The Coral-Derived Natural Products Eleutherobin and Sarcodictyins A and B: Effects on the Assembly of Purified Tubulin with and without Microtubule-Associated Proteins and Binding at the Polymer Taxoid Site. <i>Biochemistry</i> , 1999, 38, 5490-5498.	1.2	150
92	Prostaglandin synthesis by fetal rat bone in vitro: Evidence for a role of prostacyclin. <i>Prostaglandins</i> , 1979, 17, 905-914.	1.2	148
93	Stereocontrolled total synthesis of lipoxins A. <i>Journal of the American Chemical Society</i> , 1985, 107, 7515-7518.	6.6	148
94	An Expedient Procedure for the Oxidative Cleavage of Olefinic Bonds with $\text{PhI}(\text{OAc})_2$, NMO, and Catalytic OsO_4 . <i>Organic Letters</i> , 2010, 12, 1552-1555.	2.4	146
95	Enhanced formation of PGI_2 , a potent hypotensive substance, by aortic rings and homogenates of the spontaneously hypertensive rat. <i>Prostaglandins</i> , 1978, 15, 1005-1012.	1.2	145
96	Total synthesis of elfamycins: aurodox and efrotomycin. 1. Strategy and construction of key intermediates. <i>Journal of the American Chemical Society</i> , 1985, 107, 1691-1694.	6.6	145
97	Total synthesis of calicheamicin .gamma.11. 1. Synthesis of the oligosaccharide fragment. <i>Journal of the American Chemical Society</i> , 1993, 115, 7593-7611.	6.6	143
98	Selenium-Based Solid-Phase Synthesis of Benzopyrans I: Applications to Combinatorial Synthesis of Natural Products. <i>Angewandte Chemie - International Edition</i> , 2000, 39, 734-739.	7.2	143
99	Identification of Lipoxin A ₄ and Its Relationship to the Sulfidopeptide Leukotrienes C ₄ , D ₄ , and E ₄ in the Bronchoalveolar Lavage Fluids Obtained from Patients with Selected Pulmonary Diseases. <i>The American Review of Respiratory Disease</i> , 1990, 141, 1453-1458.	2.9	142
100	Synthesis of Imides, N-Acyl Vinyllogous Carbamates and Ureas, and Nitriles by Oxidation of Amides and Amines with Dess-Martin Periodinane. <i>Angewandte Chemie - International Edition</i> , 2005, 44, 5992-5997.	7.2	141
101	Solid and Solution Phase Synthesis and Biological Evaluation of Combinatorial Sarcodictyin Libraries. <i>Journal of the American Chemical Society</i> , 1998, 120, 10814-10826.	6.6	140
102	DNA-cleavage and antitumor activity of designed molecules with conjugated phosphine oxide-allene-ene-yne functionalities. <i>Journal of the American Chemical Society</i> , 1990, 112, 7825-7826.	6.6	139
103	New Synthetic Technology for the Synthesis of Aryl Ethers: Construction of C-O-D and D-O-E Ring Model Systems of Vancomycin. <i>Journal of the American Chemical Society</i> , 1997, 119, 3421-3422.	6.6	139
104	Total Synthesis of Vancomycin Aglycon Part 1: Synthesis of Amino Acids 4-7 and Construction of the AB-COD Ring Skeleton. <i>Angewandte Chemie - International Edition</i> , 1998, 37, 2708-2714.	7.2	139
105	Chemical synthesis and biological properties of pyridine epothilones**This paper is dedicated to Professor Jos Barluenga on the occasion of his 60th birthday.. <i>Chemistry and Biology</i> , 2000, 7, 593-599.	6.2	137
106	Biomimetic Total Synthesis of Bisorbicillinol, Bisorbibutenolide, Trichodimerol, and Designed Analogues of the Bisorbicillinoids. <i>Journal of the American Chemical Society</i> , 2000, 122, 3071-3079.	6.6	136
107	Structural Revision and Total Synthesis of Azaspiracid-1, Part 2: Definition of the ABCD Domain and Total Synthesis. <i>Angewandte Chemie - International Edition</i> , 2004, 43, 4318-4324.	7.2	136
108	Total synthesis of calicheamicin .gamma.11. 3. The final stages. <i>Journal of the American Chemical Society</i> , 1993, 115, 7625-7635.	6.6	133

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109	The endiandric acid cascade. Electrocyclizations in organic synthesis. 3. "Biomimetic" approach to endiandric acids A-G. Synthesis of precursors. <i>Journal of the American Chemical Society</i> , 1982, 104, 5558-5560.	6.6	132
110	Synthesis and Biological Evaluation of Vancomycin Dimers with Potent Activity against Vancomycin-Resistant Bacteria: Target-Accelerated Combinatorial Synthesis. <i>Chemistry - A European Journal</i> , 2001, 7, 3824-3843.	1.7	131
111	Total Synthesis of Englerin A. <i>Journal of the American Chemical Society</i> , 2010, 132, 8219-8222.	6.6	131
112	Target-Accelerated Combinatorial Synthesis and Discovery of Highly Potent Antibiotics Effective Against Vancomycin-Resistant Bacteria. <i>Angewandte Chemie - International Edition</i> , 2000, 39, 3823-3828.	7.2	130
113	Total Synthesis and Biological Evaluation of the Resveratrol-Derived Polyphenol Natural Products Hopeanol and Hopeahainol A. <i>Journal of the American Chemical Society</i> , 2010, 132, 7540-7548.	6.6	130
114	Lipoxin A. Stereochemistry and biosynthesis. <i>Journal of Biological Chemistry</i> , 1986, 261, 16340-5.	1.6	130
115	Adamantaplatensimycin: A Bioactive Analogue of Platensimycin. <i>Angewandte Chemie - International Edition</i> , 2007, 46, 4712-4714.	7.2	127
116	Design, Synthesis, and Biological Evaluation of Platensimycin Analogues with Varying Degrees of Molecular Complexity. <i>Journal of the American Chemical Society</i> , 2008, 130, 13110-13119.	6.6	127
117	Phenylselenoetherification. A highly efficient cyclization process for the synthesis of oxygen- and sulfur-heterocycles. <i>Journal of the American Chemical Society</i> , 1980, 102, 3784-3793.	6.6	126
118	Bridging of macrodithionolactones to bicyclic systems. Synthesis and modeling of oxapolycyclic frameworks. <i>Journal of the American Chemical Society</i> , 1990, 112, 3040-3054.	6.6	126
119	Total Synthesis of the Originally Proposed and Revised Structures of Palmerolide A and Isomers Thereof. <i>Journal of the American Chemical Society</i> , 2008, 130, 3633-3644.	6.6	126
120	DNA cleavage by a synthetic mimic of the calicheamicin-esperamicin class of antibiotics. <i>Journal of the American Chemical Society</i> , 1988, 110, 7247-7248.	6.6	125
121	Total Synthesis of Platencin. <i>Angewandte Chemie - International Edition</i> , 2008, 47, 1780-1783.	7.2	125
122	Total synthesis of amphoteronolide B and amphotericin B. 1. Strategy and stereocontrolled construction of key building blocks. <i>Journal of the American Chemical Society</i> , 1988, 110, 4672-4685.	6.6	124
123	A practical and enantioselective synthesis of glycosphingolipids and related compounds. Total synthesis of globotriaosylceramide (Gb3). <i>Journal of the American Chemical Society</i> , 1988, 110, 7910-7912.	6.6	124
124	Total Synthesis of Vancomycin—Part 2: Retrosynthetic Analysis, Synthesis of Amino Acid Building Blocks and Strategy Evaluations. <i>Chemistry - A European Journal</i> , 1999, 5, 2602-2621.	1.7	124
125	Total Synthesis of Thiostrepton. Retrosynthetic Analysis and Construction of Key Building Blocks. <i>Journal of the American Chemical Society</i> , 2005, 127, 11159-11175.	6.6	124
126	Design, synthesis and biological activity of protaxols. <i>Nature</i> , 1993, 364, 464-466.	13.7	123

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127	Stereocontrolled Total Synthesis of Lipoxins B. <i>Synthesis</i> , 1986, 1986, 453-461.	1.2	122
128	Iodine(V) Reagents in Organic Synthesis. Part 1. Synthesis of Polycyclic Heterocycles via Dess-Martin Periodinane-Mediated Cascade Cyclization: A Generality, Scope, and Mechanism of the Reaction. <i>Journal of the American Chemical Society</i> , 2002, 124, 2212-2220.	6.6	122
129	Synthesis of medium-sized ring ethers from thionolactones. Applications to polyether synthesis. <i>Journal of the American Chemical Society</i> , 1990, 112, 6263-6276.	6.6	121
130	Total Synthesis of Brevetoxin B. 2. Completion. <i>Journal of the American Chemical Society</i> , 1995, 117, 1173-1174.	6.6	121
131	Total Synthesis of Brevetoxin B. 3. Final Strategy and Completion. <i>Journal of the American Chemical Society</i> , 1995, 117, 10252-10263.	6.6	121
132	New Synthetic Technology for the Rapid Construction of Novel Heterocycles Part 2. The Reaction of IBX with Anilides and Related Compounds. <i>Angewandte Chemie - International Edition</i> , 2000, 39, 625-628.	7.2	121
133	A brief history of antibiotics and select advances in their synthesis. <i>Journal of Antibiotics</i> , 2018, 71, 153-184.	1.0	121
134	Total synthesis of erythromycins. 3. Stereoselective routes to intermediates corresponding to C(1) to C(9) and C(10) to C(13) fragments of erythronolide B. <i>Journal of the American Chemical Society</i> , 1978, 100, 4618-4620.	6.6	120
135	Dissociation of vasoconstrictor and platelet aggregatory activities of thromboxane by carbocyclic thromboxane A ₂ , a stable analog of thromboxane A ₂ . <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1980, 77, 1706-1710.	3.3	120
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