

Kyriacos C Nicolaou

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

751
papers

57,740
citations

115
h-index

198
g-index

785
ext. papers

61,172
ext. citations

11.9
avg, IF

7.61
L-index

#	Paper	IF	Citations
751	Palladium-catalyzed cross-coupling reactions in total synthesis. <i>Angewandte Chemie - International Edition</i> , 2005 , 44, 4442-89	16.4	2195
750	Cascade reactions in total synthesis. <i>Angewandte Chemie - International Edition</i> , 2006 , 45, 7134-86	16.4	1804
749	The Diels-Alder reaction in total synthesis. <i>Angewandte Chemie - International Edition</i> , 2002 , 41, 1668-98	16.4	1356
748	Metathesis reactions in total synthesis. <i>Angewandte Chemie - International Edition</i> , 2005 , 44, 4490-527	16.4	1048
747	Total synthesis of taxol. <i>Nature</i> , 1994 , 367, 630-4	50.4	868
746	Chemistry and Biology of the Enediyne Anticancer Antibiotics. <i>Angewandte Chemie International Edition in English</i> , 1991 , 30, 1387-1416		822
745	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	16.4	606
744	The art of total synthesis through cascade reactions. <i>Chemical Society Reviews</i> , 2009 , 38, 2993-3009	58.5	592
743	Chemistry, Biology, and Medicine of the Glycopeptide Antibiotics. <i>Angewandte Chemie - International Edition</i> , 1999 , 38, 2096-2152	16.4	571
742	Tandem reactions, cascade sequences, and biomimetic strategies in total synthesis. <i>Chemical Communications</i> , 2003 , 551-64	5.8	538
741	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	16.4	489
740	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	16.4	443
739	The Chemistry and Biology of Alkannin, Shikonin, and Related Naphthazarin Natural Products. <i>Angewandte Chemie - International Edition</i> , 1999 , 38, 270-301	16.4	429
738	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, 2904-9	11.5	428
737	Efficient and mild lactonization method for the synthesis of macrolides. <i>Journal of the American Chemical Society</i> , 1974 , 96, 5614-5616	16.4	415
736	Iodine(V) reagents in organic synthesis. Part 4. o-Iodoxybenzoic acid as a chemospecific tool for single electron transfer-based oxidation processes. <i>Journal of the American Chemical Society</i> , 2002 , 124, 2245-58	16.4	384
735	Samarium diiodide mediated reactions in total synthesis. <i>Angewandte Chemie - International Edition</i> , 2009 , 48, 7140-65	16.4	370

734	Synthesis of epothilones A and B in solid and solution phase. <i>Nature</i> , 1997 , 387, 268-72	50.4	366
733	Aldehyde dehydrogenase inhibitors: a comprehensive review of the pharmacology, mechanism of action, substrate specificity, and clinical application. <i>Pharmacological Reviews</i> , 2012 , 64, 520-39	22.5	346
732	The enediyne antibiotics. <i>Journal of Medicinal Chemistry</i> , 1996 , 39, 2103-17	8.3	324
731	Die Diels-Alder-Reaktion in der Totalsynthese. <i>Angewandte Chemie</i> , 2002 , 114, 1742-1773	3.6	320
730	A chemical, genetic, and structural analysis of the nuclear bile acid receptor FXR. <i>Molecular Cell</i> , 2003 , 11, 1079-92	17.6	320
729	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	16.4	301
728	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	16.4	294
727	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 ^{10.1}	290	
726	A mild and selective method for the hydrolysis of esters with trimethyltin hydroxide. <i>Angewandte Chemie - International Edition</i> , 2005 , 44, 1378-82	16.4	279
725	Chemical Biology of Epothilones. <i>Angewandte Chemie - International Edition</i> , 1998 , 37, 2014-2045	16.4	277
724	Natural Product-like Combinatorial Libraries Based on Privileged Structures. 2. Construction of a 10 000-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	16.4	272
723	Practical synthesis of oligosaccharides. Partial synthesis of avermectin B1a. <i>Journal of the American Chemical Society</i> , 1984 , 106, 4189-4192	16.4	270
722	Designed enediynes: a new class of DNA-cleaving molecules with potent and selective anticancer activity. <i>Science</i> , 1992 , 256, 1172-8	33.3	264
721	α -Iodoxybenzoic acid (IBX) as a viable reagent in the manipulation of nitrogen- and sulfur-containing substrates: scope, generality, and mechanism of IBX-mediated amine oxidations and dithiane deprotections. <i>Journal of the American Chemical Society</i> , 2004 , 126, 5192-201	16.4	260
720	De novo design and synthesis of somatostatin non-peptide peptidomimetics utilizing β . β -D-glucose as a novel scaffolding. <i>Journal of the American Chemical Society</i> , 1993 , 115, 12550-12568 ^{16.4}	251	
719	Cyclic conjugated enediynes related to calicheamicins and esperamicins: calculations, synthesis, and properties. <i>Journal of the American Chemical Society</i> , 1988 , 110, 4866-4868	16.4	244
718	A mild and general method for the synthesis of O-glycosides. <i>Journal of the American Chemical Society</i> , 1983 , 105, 2430-2434	16.4	241
717	Radiofrequency Encoded Combinatorial Chemistry. <i>Angewandte Chemie International Edition in English</i> , 1995 , 34, 2289-2291	233	

716	Modulation of the reactivity profile of IBX by ligand complexation: ambient temperature dehydrogenation of aldehydes and ketones to alpha,beta-unsaturated carbonyl compounds. <i>Angewandte Chemie - International Edition</i> , 2002 , 41, 993-6	16.4	226
715	Iodine(V) reagents in organic synthesis. Part 3. New routes to heterocyclic compounds via α -iodoxybenzoic acid-mediated cyclizations: generality, scope, and mechanism. <i>Journal of the American Chemical Society</i> , 2002 , 124, 2233-44	16.4	225
714	Prostacyclin: a potentially valuable agent for preserving myocardial tissue in acute myocardial ischemia. <i>Science</i> , 1978 , 200, 52-4	33.3	225
713	Nonpeptidal peptidomimetics with β -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	16.4	223
712	Chemie und Biologie von Endiin-Cytostatica/Antibiotica. <i>Angewandte Chemie</i> , 1991 , 103, 1453-1481	3.6	217
711	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, 5881-8	11.5	214
710	New reactions of IBX: oxidation of nitrogen- and sulfur-containing substrates to afford useful synthetic intermediates. <i>Angewandte Chemie - International Edition</i> , 2003 , 42, 4077-82	16.4	213
709	Stereospecific 1,2-migrations in carbohydrates. Stereocontrolled synthesis of α - and β -2-deoxyglycosides. <i>Journal of the American Chemical Society</i> , 1986 , 108, 2466-7	16.4	213
708	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	16.4	207
707	The Wittig and Related Reactions in Natural Product Synthesis. <i>Liebigs Annalen</i> , 1997 , 1997, 1283-1301		205
706	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	16.4	198
705	Molecular design, chemical synthesis, and biological action of enediynes. <i>Accounts of Chemical Research</i> , 1992 , 25, 497-503	24.3	197
704	Oxidation of silyl enol ethers by using IBX and IBX.N-oxide complexes: a mild and selective reaction for the synthesis of enones. <i>Angewandte Chemie - International Edition</i> , 2002 , 41, 996-1000	16.4	195
703	Enantioselective dichlorination of allylic alcohols. <i>Journal of the American Chemical Society</i> , 2011 , 133, 8134-7	16.4	193
702	N-Phenylselenophthalimide (N-PSP) and N-phenylselenosuccinimide (N-PSS). Two versatile carriers of the phenylseleno group. Oxselenation of olefins and a selenium-based macrolide synthesis. <i>Journal of the American Chemical Society</i> , 1979 , 101, 3704-3706	16.4	192
701	Stimulation of renin release from rabbit renal cortex by arachidonic acid and prostaglandin endoperoxides. <i>Circulation Research</i> , 1976 , 39, 868-74	15.7	192
700	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, 9313-23	16.4	188
699	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	16.4	187

698	Asymmetric total syntheses of platensimycin. <i>Angewandte Chemie - International Edition</i> , 2007 , 46, 3942-56.4	186
697	Recent advances in the chemistry and biology of naturally occurring antibiotics. <i>Angewandte Chemie - International Edition</i> , 2009 , 48, 660-719	16.4 182
696	Total Synthesis of Epothilone A: The Olefin Metathesis Approach. <i>Angewandte Chemie International Edition in English</i> , 1997 , 36, 166-168	178
695	Selective binding site for [3H]prostacyclin on platelets. <i>Journal of Clinical Investigation</i> , 1979 , 63, 215-20	15.9 177
694	Total Syntheses of Epothilones A and B via a Macrolactonization-Based Strategy. <i>Journal of the American Chemical Society</i> , 1997 , 119, 7974-7991	16.4 176
693	Chemical self-replication of palindromic duplex DNA. <i>Nature</i> , 1994 , 369, 218-21	50.4 176
692	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, 10855-60	11.5 174
691	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	16.4 171
690	Total synthesis of platensimycin. <i>Angewandte Chemie - International Edition</i> , 2006 , 45, 7086-90	16.4 170
689	Enantioselective intramolecular Friedel-Crafts-type alpha-arylation of aldehydes. <i>Journal of the American Chemical Society</i> , 2009 , 131, 2086-7	16.4 163
688	Constructing molecular complexity and diversity: total synthesis of natural products of biological and medicinal importance. <i>Chemical Society Reviews</i> , 2012 , 41, 5185-238	58.5 162
687	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, 12888-96	16.4 161
686	The second total synthesis of diazonamide A. <i>Angewandte Chemie - International Edition</i> , 2003 , 42, 1753-86.4	158
685	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	16.4 158
684	The continuing saga of the marine polyether biotoxins. <i>Angewandte Chemie - International Edition</i> , 2008 , 47, 7182-225	16.4 156
683	Total synthesis of rapamycin. <i>Journal of the American Chemical Society</i> , 1993 , 115, 4419-4420	16.4 155
682	Total Synthesis of Taxol. 1. Retrosynthesis, Degradation, and Reconstitution. <i>Journal of the American Chemical Society</i> , 1995 , 117, 624-633	16.4 152
681	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	16.4 151

680	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	16.4	151
679	Designed Epothilones: Combinatorial Synthesis, Tubulin Assembly Properties, abd Cytotoxic Action against Taxol-Resistant Tumor Cells. <i>Angewandte Chemie International Edition in English</i> , 1997 , 36, 2097-2103	149	
678	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, 613-27	16.4	149
677	Chemie, Biologie und medizinische Anwendungen der Glycopeptid-Antibiotika. <i>Angewandte Chemie</i> , 1999 , 111, 2230-2287	3.6	148
676	Total Synthesis of Vancomycin Part 1: Design and Development of Methodology. <i>Chemistry - A European Journal</i> , 1999 , 5, 2584-2601	4.8	148
675	The Olefin Metathesis Approach to Epothilone A and Its Analogues. <i>Journal of the American Chemical Society</i> , 1997 , 119, 7960-7973	16.4	146
674	Phenylseleno- and phenylsulfenolactonizations. Two highly efficient and synthetically useful cyclization procedures. <i>Journal of the American Chemical Society</i> , 1979 , 101, 3884-3893	16.4	145
673	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	16.4	144
672	Total synthesis of diazonamide A. <i>Angewandte Chemie - International Edition</i> , 2002 , 41, 3495-9	16.4	144
671	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	16.4	144
670	Cardiac and renal prostaglandin I2. Biosynthesis and biological effects in isolated perfused rabbit tissues. <i>Journal of Clinical Investigation</i> , 1978 , 61, 839-49	15.9	144
669	Chemistry and biology of diazonamide A: second total synthesis and biological investigations. <i>Journal of the American Chemical Society</i> , 2004 , 126, 12897-906	16.4	142
668	Total Synthesis of Taxol. 3. Formation of Taxol's ABC Ring Skeleton. <i>Journal of the American Chemical Society</i> , 1995 , 117, 645-652	16.4	142
667	Total synthesis of platensimycin and related natural products. <i>Journal of the American Chemical Society</i> , 2009 , 131, 16905-18	16.4	140
666	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, 5490-8	3.2	138
665	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	16.4	137
664	Prostaglandin synthesis by fetal rat bone in vitro: evidence for a role of prostacyclin. <i>Prostaglandins</i> , 1979 , 17, 905-14		135
663	Total synthesis of erythromycins. 4. Total synthesis of erythronolide B. <i>Journal of the American Chemical Society</i> , 1978 , 100, 4620-4622	16.4	134

662	Total synthesis of amphotericin B. 3. The final stages. <i>Journal of the American Chemical Society</i> , 1988 , 110, 4696-4705	16.4	133
661	Total synthesis of brevetoxin A. <i>Nature</i> , 1998 , 392, 264-9	50.4	132
660	Stereocontrolled total synthesis of lipoxins A. <i>Journal of the American Chemical Society</i> , 1985 , 107, 7515-7618	16.4	131
659	Enhanced formation of PGI2, a potent hypotensive substance, by aortic rings and homogenates of the spontaneously hypertensive rat. <i>Prostaglandins</i> , 1978 , 15, 1005-12	16.4	131
658	Total synthesis of the tumor-associated Lex family of glycosphingolipids. <i>Journal of the American Chemical Society</i> , 1990 , 112, 3693-3695	16.4	128
657	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, 4318-24	16.4	127
656	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	16.4	126
655	Solid and Solution Phase Synthesis and Biological Evaluation of Combinatorial Sarcodictyin Libraries. <i>Journal of the American Chemical Society</i> , 1998 , 120, 10814-10826	16.4	126
654	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	16.4	125
653	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	16.4	125
652	Synthesis of imides, N-acyl vinylogous carbamates and ureas, and nitriles by oxidation of amides and amines with Dess-Martin periodinane. <i>Angewandte Chemie - International Edition</i> , 2005 , 44, 5992-7	16.4	124
651	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	16.4	123
650	An expedient procedure for the oxidative cleavage of olefinic bonds with PhI(OAc)2, NMO, and catalytic OsO4. <i>Organic Letters</i> , 2010 , 12, 1552-5	6.2	121
649	Design, synthesis, and biological evaluation of platensimycin analogues with varying degrees of molecular complexity. <i>Journal of the American Chemical Society</i> , 2008 , 130, 13110-9	16.4	120
648	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	16.4	120
647	Identification of lipoxin A4 and its relationship to the sulfidopeptide leukotrienes C4, D4, and E4 in the bronchoalveolar lavage fluids obtained from patients with selected pulmonary diseases. <i>The American Review of Respiratory Disease</i> , 1990 , 141, 1453-8	16.4	120
646	Adamantaplatensimycin: a bioactive analogue of platensimycin. <i>Angewandte Chemie - International Edition</i> , 2007 , 46, 4712-4	16.4	118
645	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	16.4	118

644	Chemical synthesis and biological properties of pyridine epothilones. <i>Chemistry and Biology</i> , 2000 , 7, 593-9	16.4	118
643	Total Synthesis of Vancomycin. <i>Angewandte Chemie - International Edition</i> , 1999 , 38, 240-244	16.4	118
642	Total synthesis of thiostrepton. Retrosynthetic analysis and construction of key building blocks. <i>Journal of the American Chemical Society</i> , 2005 , 127, 11159-75	16.4	117
641	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, 3633-44	16.4	116
640	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	16.4	116
639	Design, synthesis and biological activity of protaxols. <i>Nature</i> , 1993 , 364, 464-6	50.4	116
638	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	16.4	116
637	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, 3824-43	4.8	115
636	Lipoxin A. Stereochemistry and biosynthesis. <i>Journal of Biological Chemistry</i> , 1986 , 261, 16340-5	5.4	115
635	Total synthesis of englerin A. <i>Journal of the American Chemical Society</i> , 2010 , 132, 8219-22	16.4	114
634	The chemistry and biology of epothilones--the wheel keeps turning. <i>ChemMedChem</i> , 2007 , 2, 396-423	3.7	114
633	Total synthesis of platencin. <i>Angewandte Chemie - International Edition</i> , 2008 , 47, 1780-3	16.4	114
632	Total synthesis of calicheamicin .gamma.1I. 1. Synthesis of the oligosaccharide fragment. <i>Journal of the American Chemical Society</i> , 1993 , 115, 7593-7611	16.4	114
631	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, 7540-8	16.4	113
630	Stereocontrolled Total Synthesis of Lipoxins B. <i>Synthesis</i> , 1986 , 1986, 453-461	2.9	112
629	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	16.4	111
628	Addressing the stereochemistry of complex organic molecules by density functional theory-NMR: vannusal B in retrospective. <i>Journal of the American Chemical Society</i> , 2011 , 133, 6072-7	16.4	109
627	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	16.4	109

626	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	16.4	109
625	Sulfated blood group Lewis(a). A superior oligosaccharide ligand for human E-selectin. <i>Journal of Biological Chemistry</i> , 1994 , 269, 1595-8	5.4	109
624	Identification of a novel small-molecule inhibitor of the hypoxia-inducible factor 1 pathway. <i>Cancer Research</i> , 2005 , 65, 605-12	10.1	109
623	Stereocontrolled total synthesis of apicularen A and its delta(17,18) Z isomer. <i>Angewandte Chemie - International Edition</i> , 2002 , 41, 3701-4; 3523	16.4	108
622	Synergistic effects of peloruside A and laulimalide with taxoid site drugs, but not with each other, on tubulin assembly. <i>Molecular Pharmacology</i> , 2006 , 70, 1555-64	4.3	107
621	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	4.8	107
620	Bridging of macrodithionolactones to bicyclic systems. Synthesis and modeling of oxapolycyclic frameworks. <i>Journal of the American Chemical Society</i> , 1990 , 112, 3040-3054	16.4	106
619	Molecular basis for the inhibition of human alpha-thrombin by the macrocyclic peptide cyclotheonamide A. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1993 , 90, 8048-52	11.5	104
618	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	16.4	104
617	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	16.4	104
616	Total syntheses of anominine and tubingensin A. <i>Journal of the American Chemical Society</i> , 2012 , 134, 8078-81	16.4	103
615	Total synthesis of apoptolidin: construction of enantiomerically pure fragments. <i>Journal of the American Chemical Society</i> , 2003 , 125, 15433-42	16.4	103
614	Total Synthesis of Brevetoxin B. 1. First Generation Strategies and New Approaches to Oxepane Systems. <i>Journal of the American Chemical Society</i> , 1995 , 117, 10227-10238	16.4	103
613	Total synthesis of calicheamicin .gamma.1I. 3. The final stages. <i>Journal of the American Chemical Society</i> , 1993 , 115, 7625-7635	16.4	102
612	Total synthesis of sialyl dimeric Lex. <i>Journal of the American Chemical Society</i> , 1992 , 114, 3126-3128	16.4	102
611	Synthesis of medium-sized ring ethers from thionolactones. Applications to polyether synthesis. <i>Journal of the American Chemical Society</i> , 1990 , 112, 6263-6276	16.4	102
610	Synthesis and biological evaluation of epidithio-, epitetrathio-, and bis-(methylthio)diketopiperazines: synthetic methodology, enantioselective total synthesis of epicoccin G, 8,8'-epi-ent-rostratin B, gliotoxin, gliotoxin G, emethallicin E, and haematocin and discovery of new antiviral and antimalarial agents. <i>Journal of the American Chemical Society</i> , 2012 , 134, 1320-32	16.4	101
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