

Yoshito Kishi

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237 papers	11,209 citations	57 h-index	92 g-index
251 ext. papers	11,966 ext. citations	7.1 avg, IF	5.95 L-index

#	Paper	IF	Citations
237	Highly stereoselective approaches to .alpha.- and .beta.-C-glycopyranosides. <i>Journal of the American Chemical Society</i> , 1982 , 104, 4976-4978	16.4	537
236	Catalytic effect of nickel(II) chloride and palladium(II) acetate on chromium(II)-mediated coupling reaction of iodo olefins with aldehydes. <i>Journal of the American Chemical Society</i> , 1986 , 108, 5644-5646	16.4	447
235	Further synthetic studies on rifamycin s. <i>Tetrahedron</i> , 1981 , 37, 3873-3888	2.4	335
234	Total synthesis of halichondrin B and norhalichondrin B. <i>Journal of the American Chemical Society</i> , 1992 , 114, 3162-3164	16.4	317
233	E5531, a pure endotoxin antagonist of high potency. <i>Science</i> , 1995 , 268, 80-3	33.3	298
232	Dramatic rate enhancement of Suzuki diene synthesis. Its application to palytoxin synthesis. <i>Journal of the American Chemical Society</i> , 1987 , 109, 4756-4758	16.4	254
231	Stereocontrolled synthesis of D-pentitols, 2-amino-2-deoxy-D-pentitols and 2-deoxy-D-pentitols from D-glyceraldehyde acetonide. <i>Journal of the American Chemical Society</i> , 1982 , 104, 1109-1111	16.4	201
230	Reductive ring openings of allyl-alcohol epoxides. <i>Tetrahedron Letters</i> , 1982 , 23, 2719-2722	2	184
229	Total Synthesis of Pinnatoxin A. <i>Journal of the American Chemical Society</i> , 1998 , 120, 7647-7648	16.4	149
228	Complete Relative Stereochemistry of Maitotoxin. <i>Journal of the American Chemical Society</i> , 1996 , 118, 7946-7968	16.4	147
227	An improved procedure for the Blaise reaction: a short, practical route to the key intermediates of the saxitoxin synthesis. <i>Journal of Organic Chemistry</i> , 1983 , 48, 3833-3835	4.2	147
226	Synthesis of mono- and unsymmetrical bis-orthoesters of scyllo-inositol. <i>Journal of Organic Chemistry</i> , 1985 , 50, 4402-4404	4.2	139
225	Macrocyclic ketone analogues of halichondrin B. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2004 , 14, 5551-4	2.9	125
224	Structure of dinoflagellate luciferin and its enzymic and nonenzymic air-oxidation products. <i>Journal of the American Chemical Society</i> , 1989 , 111, 7607-7611	16.4	124
223	Total Synthesis of Altohyrtin A (Spongistatin 1): Part 1. <i>Angewandte Chemie - International Edition</i> , 1998 , 37, 187-190	16.4	114
222	Ni(II)/Cr(II)-mediated coupling reaction: an asymmetric process. <i>Journal of Organic Chemistry</i> , 1995 , 60, 5386-5387	4.2	108
221	A mild preparation of vinyl iodides from vinylsilanes. <i>Tetrahedron Letters</i> , 1996 , 37, 8647-8650	2	107

220	Stereo- and regioselective methods for the synthesis of three consecutive asymmetric units found in many natural products. <i>Tetrahedron Letters</i> , 1979 , 20, 4343-4346	2	106
219	Total synthesis of (+)-ophiobolin C. <i>Journal of the American Chemical Society</i> , 1989 , 111, 2735-2737	16.4	104
218	Total Synthesis of Altohhyrtin A (Spongistatin 1): Part 2. <i>Angewandte Chemie - International Edition</i> , 1998 , 37, 190-196	16.4	97
217	Operationally simple and efficient workup procedure for TBAF-mediated desilylation: application to halichondrin synthesis. <i>Organic Letters</i> , 2007 , 9, 723-6	6.2	90
216	A total synthesis of sporidesmin A. <i>Journal of the American Chemical Society</i> , 1973 , 95, 6493-5	16.4	90
215	Toward Creation of a Universal NMR Database for Stereochemical Assignment: The Case of 1,3,5-Trisubstituted Acyclic Systems. <i>Helvetica Chimica Acta</i> , 2000 , 83, 2562-2571	2	89
214	Toward creation of a universal NMR database for the stereochemical assignment of acyclic compounds: the case of two contiguous propionate units. <i>Organic Letters</i> , 1999 , 1, 2177-80	6.2	89
213	Total synthesis of gliotoxin, dehydrogliotoxin and hyalodendrin. <i>Tetrahedron</i> , 1981 , 37, 2045-2078	2.4	89
212	Toolbox approach to the search for effective ligands for catalytic asymmetric Cr-mediated coupling reactions. <i>Journal of the American Chemical Society</i> , 2009 , 131, 15387-93	16.4	87
211	Fe/Cr- and Co/Cr-mediated catalytic asymmetric 2-haloallylations of aldehydes. <i>Journal of the American Chemical Society</i> , 2004 , 126, 12248-9	16.4	86
210	Synthesis of Palytoxin from Palytoxin Carboxylic Acid. <i>Journal of the American Chemical Society</i> , 1994 , 116, 11205-11206	16.4	86
209	Cooperative effect by a hydroxy and ether oxygen in epoxidation with a peracid. <i>Tetrahedron Letters</i> , 1979 , 20, 4347-4350	2	82
208	Universal NMR databases for contiguous polyols. <i>Journal of the American Chemical Society</i> , 2003 , 125, 14379-93	16.4	80
207	Aldol reaction of allenolates generated via 1,4-addition of iodide anion or its equivalent to β,β -acetylenic ketones. <i>Tetrahedron Letters</i> , 1986 , 27, 4767-4770	2	78
206	Synthetic studies towards halichondrins. <i>Tetrahedron Letters</i> , 1987 , 28, 3463-3466	2	77
205	Toward creation of a universal NMR database for stereochemical assignment: complete structure of the desertomycin/oasomycin class of natural products. <i>Journal of the American Chemical Society</i> , 2001 , 123, 2076-8	16.4	76
204	Complete structure of the mycolactones. <i>Journal of the American Chemical Society</i> , 2001 , 123, 10117-8	16.4	76
203	Stereochemistry of the core structure of the mycolactones. <i>Journal of the American Chemical Society</i> , 2001 , 123, 5128-9	16.4	76

202	New catalytic cycle for couplings of aldehydes with organochromium reagents. <i>Organic Letters</i> , 2004 , 6, 5031-3	6.2	75
201	Preferred conformation of C-glycosides. 8. Synthesis of 1,4-linked carbon disaccharides. <i>Journal of Organic Chemistry</i> , 1992 , 57, 468-481	4.2	75
200	Experimental Support for the Primary Stereoelectronic Effect Governing Baeyer-Villiger Oxidation and Criegee Rearrangement. <i>Journal of the American Chemical Society</i> , 1998 , 120, 9392-9393	16.4	72
199	Preferred Conformation of C-Lactose at the Free and Peanut Lectin Bound States. <i>Journal of the American Chemical Society</i> , 1998 , 120, 11297-11303	16.4	70
198	Synthesis of C-disaccharides. <i>Journal of Organic Chemistry</i> , 1987 , 52, 1370-1372	4.2	70
197	Total synthesis of (+)-gephyrotoxin. <i>Journal of the American Chemical Society</i> , 1980 , 102, 7154-7156	16.4	70
196	Preferred conformation of C-glycosides. 10. Synthesis and conformational analysis of carbon trisaccharides. <i>Journal of Organic Chemistry</i> , 1992 , 57, 490-498	4.2	69
195	Total Synthesis of (±)-Batrachotoxinin A. <i>Journal of the American Chemical Society</i> , 1998 , 120, 6627-6628	16.4	68
194	Biological Evaluation of Rationally Modified Analogs of the H-Type II Blood Group Trisaccharide. A Correlation between Solution Conformation and Binding Affinity. <i>Journal of the American Chemical Society</i> , 1995 , 117, 9432-9436	16.4	68
193	Total synthesis of onnamide A. <i>Journal of the American Chemical Society</i> , 1991 , 113, 9693-9694	16.4	68
192	Structural basis of protein kinase C activation by diacylglycerols and tumor promoters. <i>Biochemistry</i> , 1992 , 31, 2211-8	3.2	67
191	Stereospecific total synthesis of dl-austamide. <i>Journal of the American Chemical Society</i> , 1979 , 101, 6786-6788	16.4	67
190	New syntheses of E7389 C14-C35 and halichondrin C14-C38 building blocks: double-inversion approach. <i>Journal of the American Chemical Society</i> , 2009 , 131, 15636-41	16.4	65
189	A total synthesis of gliotoxin. <i>Journal of the American Chemical Society</i> , 1976 , 98, 6723-4	16.4	65
188	Total synthesis of debromoaplysiatoxin and aplysiatoxin. <i>Journal of the American Chemical Society</i> , 1987 , 109, 6205-6207	16.4	63
187	On the absolute configuration of gephyrotoxin. <i>Tetrahedron Letters</i> , 1981 , 22, 4197-4198	2	62
186	New method for the synthesis of epidithiodiketopiperazines. <i>Journal of the American Chemical Society</i> , 1973 , 95, 6490-6492	16.4	62
185	Enantioselective total synthesis of (-)-decarbamoysaxitoxin. <i>Journal of the American Chemical Society</i> , 1992 , 114, 7001-7006	16.4	61

184	A total synthesis of dehydrogliotoxin. <i>Journal of the American Chemical Society</i> , 1973 , 95, 6492-3	16.4	59
183	Cypridina bioluminescence III total synthesis of luciferin. <i>Tetrahedron Letters</i> , 1966 , 7, 3445-3450	2	59
182	The Total Synthesis of Mitomycins. <i>Journal of Natural Products</i> , 1979 , 42, 549-568	4.9	58
181	Total synthesis of the mycolactones. <i>Organic Letters</i> , 2002 , 4, 647-50	6.2	57
180	New syntheses of E7389 C14-C35 and halichondrin C14-C38 building blocks: reductive cyclization and oxy-Michael cyclization approaches. <i>Journal of the American Chemical Society</i> , 2009 , 131, 15642-6	16.4	56
179	The Stereochemical Assignment and Conformational Analysis of the V/W-Ring Junction of Maitotoxin. <i>Journal of the American Chemical Society</i> , 1997 , 119, 7928-7937	16.4	56
178	Preferred Conformations of C-Glycosides. 14. Synthesis and Conformational Analysis of Carbon Analogs of the Blood Group Determinant H-Type II. <i>Journal of Organic Chemistry</i> , 1995 , 60, 2160-2169	4.2	56
177	Total synthesis of mycalamides A and B. <i>Journal of Organic Chemistry</i> , 1990 , 55, 4242-4245	4.2	55
176	Catalytic enantioselective Cr-mediated propargylation: application to halichondrin synthesis. <i>Organic Letters</i> , 2009 , 11, 4520-3	6.2	54
175	New Synthetic Route to the C.14-C38 Segment of Halichondrins. <i>Journal of Organic Chemistry</i> , 1997 , 62, 7552-7553	4.2	54
174	Synthesis and structure of tolyporphin A O,O-diacetate. <i>Organic Letters</i> , 1999 , 1, 1129-32	6.2	54
173	Toward the creation of NMR databases in chiral solvents: bidentate chiral NMR solvents for assignment of the absolute configuration of acyclic secondary alcohols. <i>Organic Letters</i> , 2002 , 4, 411-4	6.2	53
172	Toward creation of a universal NMR database for the stereochemical assignment of acyclic compounds: proof of concept. <i>Organic Letters</i> , 1999 , 1, 2181-4	6.2	53
171	Preferred conformation of C-glycosides. 12. Synthesis and conformational analysis of .alpha.,.alpha.-, .alpha.,.beta.-, and .beta.,.beta.-C-trehaloses. <i>Journal of Organic Chemistry</i> , 1994 , 59, 88-96	4.2	53
170	Chemistry of mycolactones, the causative toxins of Buruli ulcer. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2011 , 108, 6703-8	11.5	52
169	Novel Structure Elucidation of AAL Toxin TA Backbone. <i>Journal of the American Chemical Society</i> , 1994 , 116, 4995-4996	16.4	51
168	Synthetic Studies towards Halichondrins: Synthesis of the C.27-C38 Segment. <i>Tetrahedron Letters</i> , 1992 , 33, 1549-1552	2	51
167	Synthetic studies on ophiobolins. <i>Tetrahedron Letters</i> , 1988 , 29, 4909-4912	2	51

166	Preferred conformation of C-glycosides. 2. Preferred conformation of carbon analogs of isomaltose and gentiobiose. <i>Journal of Organic Chemistry</i> , 1987 , 52, 4823-4825	4.2	50
165	Further studies on stereospecific epoxidation of allylic alcohols Iltifat Hasan. <i>Tetrahedron Letters</i> , 1980 , 21, 4229-4232	2	50
164	The structure confirmation of the light-emitting moiety of bioluminescent jellyfish. <i>Tetrahedron Letters</i> , 1972 , 13, 2747-2748	2	50
163	Total synthesis of halichondrin C. <i>Journal of the American Chemical Society</i> , 2012 , 134, 893-6	16.4	49
162	Catalytic Ni/Cr-mediated macrocyclization without use of high-dilution techniques. <i>Journal of the American Chemical Society</i> , 2005 , 127, 15382-3	16.4	49
161	Application of chiral lanthanide shift reagents for assignment of absolute configuration of alcohols. <i>Organic Letters</i> , 2004 , 6, 4715-8	6.2	49
160	Structure-activity relationships of halichondrin B analogues: modifications at C.30-C.38. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2000 , 10, 1029-32	2.9	49
159	Further studies on chromium(II)-mediated homoallylic alcohol syntheses. <i>Tetrahedron Letters</i> , 1982 , 23, 2343-2346	2	49
158	Letter: Biogenetic-type synthesis of penicillin-cephalosporin antibiotics. I. A stereocontrolled synthesis of the penam- and cephem-ring systems from an acyclic tripeptide equivalent. <i>Journal of the American Chemical Society</i> , 1975 , 97, 5008-10	16.4	49
157	β-Halo vinyl ketones: Synthesis from acetylenic ketones. <i>Tetrahedron Letters</i> , 1986 , 27, 4763-4766	2	48
156	Preferred conformation of C-glycosides. 1. Conformational similarity of glycosides and corresponding C-glycosides. <i>Journal of Organic Chemistry</i> , 1987 , 52, 4819-4823	4.2	48
155	Structure of the light emitter in krill (<i>Euphausia pacifica</i>) bioluminescence. <i>Journal of the American Chemical Society</i> , 1988 , 110, 2683-2685	16.4	48
154	Preferred Conformation of C-Glycosides. 13. A Comparison of the Conformational Behavior of Several C-, N-, and O-Furanosides. <i>Journal of Organic Chemistry</i> , 1994 , 59, 6629-6636	4.2	46
153	Preferred conformation of C-glycosides. 9. Conformational analysis of 1,4-linked carbon disaccharides. <i>Journal of Organic Chemistry</i> , 1992 , 57, 482-489	4.2	46
152	Preferred conformation of C-glycosides. 7. Preferred conformation of carbon analogs of isomaltose and gentiobiose. <i>Journal of Organic Chemistry</i> , 1991 , 56, 6422-6434	4.2	46
151	Total Synthesis of the Proposed Structure of (+)-Tolyporphin A O,O-Diacetate. <i>Angewandte Chemie - International Edition</i> , 1999 , 38, 923-925	16.4	45
150	Further improvement on sulfonamide-based ligand for catalytic asymmetric 2-haloallylation and allylation. <i>Organic Letters</i> , 2008 , 10, 3073-6	6.2	43
149	Palytoxin: an inexhaustible source of inspirationβpersonal perspective. <i>Tetrahedron</i> , 2002 , 58, 6239-6258	2.4	43

148	Complete stereochemistry of tetrafibricin. <i>Organic Letters</i> , 2003 , 5, 93-6	6.2	43
147	Ni(II)/Cr(II)-Mediated Coupling Reaction: Beneficial Effects of 4-tert-Butylpyridine as an Additive and Development of New and Improved Workup Procedures. <i>Tetrahedron Letters</i> , 1997 , 38, 6355-6358	2	42
146	Synthetic studies on halichondrins: A practical synthesis of the C.1?C.13 segment. <i>Tetrahedron Letters</i> , 1996 , 37, 8643-8646	2	42
145	A synthesis of the aromatic segment of rifamycin s. <i>Tetrahedron Letters</i> , 1981 , 22, 899-902	2	42
144	Structural Basis of Protein Kinase C Activation by Tumor Promoters. <i>Accounts of Chemical Research</i> , 1998 , 31, 163-172	24.3	41
143	Revised Structure of Tolyporphin A. <i>Angewandte Chemie - International Edition</i> , 1999 , 38, 926-928	16.4	41
142	Synthetic studies on halichondrins: A new practical synthesis of the C.1?C.12 segment. <i>Tetrahedron Letters</i> , 1993 , 34, 7541-7544	2	41
141	Preferred conformation of C-glycosides. 6. Conformational similarity of glycosides and corresponding C-glycosides. <i>Journal of Organic Chemistry</i> , 1991 , 56, 6412-6422	4.2	41
140	Enantioselective Total Synthesis of Fumonisin B2. <i>Journal of Organic Chemistry</i> , 1997 , 62, 5666-5667	4.2	40
139	Preferred conformation of C-glycosides. 3. Preferred conformation of carbon analogs of 1,4-disaccharides. <i>Journal of Organic Chemistry</i> , 1987 , 52, 4825-4827	4.2	40
138	Synthesis of C-sucrose. <i>Journal of Organic Chemistry</i> , 1988 , 53, 3383-3384	4.2	40
137	Total synthesis of halichondrin A, the missing member in the halichondrin class of natural products. <i>Journal of the American Chemical Society</i> , 2014 , 136, 5171-6	16.4	39
136	A total synthesis of polyether antibiotic (J)A23187 (calcimycin). <i>Tetrahedron Letters</i> , 1987 , 28, 1063-1066		39
135	Total Synthesis of d,l-Saxitoxin. <i>Heterocycles</i> , 1980 , 14, 1477	0.8	39
134	Reaction of methylcerium reagent with tertiary amides: Synthesis of saturated and unsaturated ketones from tertiary amides. <i>Tetrahedron Letters</i> , 1998 , 39, 4793-4796	2	38
133	Synthetic studies toward the taxane class of natural products. <i>Tetrahedron Letters</i> , 1993 , 34, 5999-6002	2	38
132	Structure determination of mycolactone C via total synthesis. <i>Organic Letters</i> , 2004 , 6, 4901-4	6.2	36
131	Attempts to assemble a universal NMR database without synthesis of NMR database compounds. <i>Organic Letters</i> , 2006 , 8, 3861-4	6.2	34

130	A practical synthesis of trans-iodoolefins. <i>Tetrahedron Letters</i> , 1986 , 27, 4759-4762	2	34
129	Highly sensitive, operationally simple, cost/time effective detection of the mycolactones from the human pathogen <i>Mycobacterium ulcerans</i> . <i>Chemical Communications</i> , 2010 , 46, 1410-2	5.8	33
128	Total synthesis and stereochemistry of mycolactone F. <i>Journal of the American Chemical Society</i> , 2008 , 130, 1842-4	16.4	32
127	Synthesis of DNA Oligomers Possessing a Covalently Cross-Linked Watson-Crick Base Pair Model. <i>Angewandte Chemie - International Edition</i> , 2001 , 40, 1471-1475	16.4	32
126	Stereochemical Assignment of the C21-C38 Portion of the Desertomycin/Oasomycin Class of Natural Products by Using Universal NMR Databases: Prediction. <i>Angewandte Chemie - International Edition</i> , 2000 , 39, 4279-4281	16.4	32
125	Relative and absolute stereochemistry of the fumonisins B ₂ backbone. <i>Tetrahedron Letters</i> , 1994 , 35, 6819-6822	2	32
124	Extension of the Eschenmoser sulfide contraction/iminoester cyclization method to the synthesis of tolporphin chromophore. <i>Tetrahedron Letters</i> , 1997 , 38, 6811-6814	2	31
123	Selective C-glycosidations: Lewis-acid mediated reactions of carbohydrates with silyl ketene acetals. <i>Tetrahedron Letters</i> , 1997 , 38, 6815-6818	2	31
122	Total Synthesis of Mycolactones A and B. <i>Tetrahedron</i> , 2007 , 63, 5739-5753	2.4	31
121	The potencies of synthetic analogues of saxitoxin and the absolute stereoselectivity of decarbamoyl saxitoxin. <i>Toxicon</i> , 1995 , 33, 723-37	2.8	31
120	Chiral analogs of enterobactin with hydrophilic or lipophilic properties. <i>Journal of the American Chemical Society</i> , 1993 , 115, 7892-7893	16.4	31
119	Synthetic studies towards batrachotoxin 1. A furan-based intramolecular Diels-Alder route to construct the A-D ring system. <i>Tetrahedron Letters</i> , 1994 , 35, 8333-8336	2	31
118	Accelerated detection of mycolactone production and response to antibiotic treatment in a mouse model of <i>Mycobacterium ulcerans</i> disease. <i>PLoS Neglected Tropical Diseases</i> , 2014 , 8, e2618	4.8	30
117	Attempts to improve the overall stereoselectivity of the Ireland-Claisen rearrangement. <i>Organic Letters</i> , 2009 , 11, 409-12	6.2	30
116	Structure of the functional part of photoprotein aequorin. <i>Journal of the Chemical Society Chemical Communications</i> , 1986 , 1566		30
115	Case History. <i>Annual Reports in Medicinal Chemistry</i> , 2011 , 227-241	1.6	29
114	Conformationally Rigid Tricyclic Tripods: Synthesis and Application to Preparation of Enterobactin Analogs. <i>Journal of Organic Chemistry</i> , 1994 , 59, 7807-7814	4.2	29
113	Preferred conformation of C-glycosides. 4. Importance of 1,3-diaxial-like interactions around the nonglycosidic bond: prediction and experimental proof. <i>Journal of Organic Chemistry</i> , 1988 , 53, 4151-4153	4.2	29

112	Zirconium/Nickel-Mediated One-Pot Ketone Synthesis. <i>Angewandte Chemie - International Edition</i> , 2017 , 56, 10791-10795	16.4	28
111	Toward the creation of NMR databases in chiral solvents for assignments of relative and absolute stereochemistry: scope and limitation. <i>Organic Letters</i> , 2001 , 3, 2249-52	6.2	27
110	Toward the creation of NMR databases in chiral solvents for assignments of relative and absolute stereochemistry: proof of concept. <i>Organic Letters</i> , 2001 , 3, 2245-8	6.2	27
109	Synthesis and structure of mycolactone E isolated from frog mycobacterium. <i>Organic Letters</i> , 2008 , 10, 5385-8	6.2	26
108	Toward the creation of NMR databases in chiral solvents for assignments of relative and absolute stereochemistry: NMR desymmetrization of meso compounds. <i>Organic Letters</i> , 2001 , 3, 2253-5	6.2	26
107	A Novel Example for Optical Resolution of Racemic Ketones Originating from Batrachotoxin Synthesis. <i>Journal of Organic Chemistry</i> , 1998 , 63, 6100-6101	4.2	26
106	Synthetic Studies Towards Halichondrins: Synthesis of the Left Half of Halichondrins. <i>Tetrahedron Letters</i> , 1992 , 33, 1553-1556	2	26
105	Investigations of the intramolecular Ni(II)/Cr(II)-mediated coupling reaction: Application to the taxane ring system. <i>Tetrahedron Letters</i> , 1993 , 34, 6003-6006	2	25
104	Letter: Biogenetic-type synthesis of penicillin-cephalosporin antibiotics. II. An oxidative cyclization route to beta-lactam thiazoline derivatives. <i>Journal of the American Chemical Society</i> , 1975 , 97, 5010-2	16.4	25
103	On Ni catalysts for catalytic, asymmetric Ni/Cr-mediated coupling reactions. <i>Journal of the American Chemical Society</i> , 2012 , 134, 6136-9	16.4	24
102	Assignment of the relative and absolute configurations of acyclic secondary 1,2-diols. <i>Tetrahedron</i> , 2004 , 60, 11977-11982	2.4	24
101	Application of chiral bidentate NMR solvents for assignment of the absolute configuration of alcohols: scope and limitation. <i>Tetrahedron Letters</i> , 2003 , 44, 7489-7491	2	24
100	Preferred conformation of C-glycosides. 11. C-Sucrose: new practical synthesis, structural reassignment, and solid-state and solution conformation of its octaacetate. <i>Journal of Organic Chemistry</i> , 1993 , 58, 304-306	4.2	24
99	Synthetic studies on palytoxin. Stereocontrolled, practical synthesis of the C.101-115 segment. <i>Tetrahedron Letters</i> , 1982 , 23, 4415-4418	2	24
98	Scalable and efficient synthesis of the mycolactone core. <i>Tetrahedron</i> , 2010 , 66, 2263-2272	2.4	23
97	Totalsynthese von Althohyrin A (Spongistatin 1): Teil 1. <i>Angewandte Chemie</i> , 1998 , 110, 198-202	3.6	23
96	Suppression of murine endotoxin response by E5531, a novel synthetic lipid A antagonist. <i>Antimicrobial Agents and Chemotherapy</i> , 1998 , 42, 2824-9	5.9	23
95	Covalently Cross-Linked Watson-Crick Base Pair Models. <i>Angewandte Chemie - International Edition</i> , 1999 , 38, 928-931	16.4	23

94	Absolute configuration at the tricarballic acid moieties of fumonisins B ₁ and B ₂ . <i>Tetrahedron Letters</i> , 1995 , 36, 4579-4582	2	23
93	Preferred conformation of C-glycosides. 5. Experimental support for the conformational similarity between C- and O-disaccharides. <i>Journal of Organic Chemistry</i> , 1988 , 53, 5580-5582	4.2	23
92	Practical asymmetric synthesis of aklavinone. <i>Tetrahedron</i> , 1984 , 40, 4685-4691	2.4	23
91	Synthetic 3-O-methylmannose-containing polysaccharides (sMMPs): design and synthesis. <i>Journal of Organic Chemistry</i> , 2007 , 72, 1931-40	4.2	22
90	Stereochemical Assignment of the C ₂₁ -C ₃₈ Portion of the Desertomycin/Oasomycin Class of Natural Products by Using Universal NMR Databases: Proof. <i>Angewandte Chemie - International Edition</i> , 2000 , 39, 4282-4284	16.4	22
89	Total Synthesis and Stereochemistry of Cytoblastin. <i>Journal of the American Chemical Society</i> , 1996 , 118, 8180-8181	16.4	22
88	Cypridina bioluminescence II structural studies of luciferin by means of a high resolution mass spectrometer and an amino acid analyzer. <i>Tetrahedron Letters</i> , 1966 , 7, 3437-3444	2	22
87	One-Pot Ketone Synthesis with Alkylzinc Halides Prepared from Alkyl Halides via a Single Electron Transfer (SET) Process: New Extension of Fukuyama Ketone Synthesis. <i>Journal of the American Chemical Society</i> , 2016 , 138, 7178-86	16.4	22
86	Simple, Rapid Mycobacterium ulcerans Disease Diagnosis from Clinical Samples by Fluorescence of Mycolactone on Thin Layer Chromatography. <i>PLoS Neglected Tropical Diseases</i> , 2015 , 9, e0004247	4.8	21
85	Chlorophyll Catabolism Leading to the Skeleton of Dinoflagellate and Krill Luciferins: Hypothesis and Model Studies. <i>Angewandte Chemie - International Edition</i> , 2001 , 40, 3892-3894	16.4	21
84	Synthetic Studies Towards Halichondrins: Synthesis of the Left Halves of Norhalichondrins and Homohalichondrins. <i>Tetrahedron Letters</i> , 1992 , 33, 1557-1560	2	21
83	Synthetic study on echinulin and related compounds. Part I. acid-catalyzed amino claisen rearrangement of allyl- and 3,3-dimethylallyl-aniline derivatives. <i>Tetrahedron Letters</i> , 1971 , 12, 4661-4664	2	20
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