

Scott D Rychnovsky

List of Publications by Year in Descending Order

Source: <https://exaly.com/author-pdf/5852594/scott-d-rychnovsky-publications-by-year.pdf>

Version: 2024-04-29

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

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

209
papers

9,438
citations

52
h-index

85
g-index

257
ext. papers

10,189
ext. citations

7.4
avg, IF

6.29
L-index

#	Paper	IF	Citations
209	Total Syntheses of Strasseriolide A and B, Antimalarial Macrolide Natural Products.. <i>Organic Letters</i> , 2022 ,	6.2	1
208	Enabling Photoactivated Cross-Linking Mass Spectrometric Analysis of Protein Complexes by Novel MS-Cleavable Cross-Linkers. <i>Molecular and Cellular Proteomics</i> , 2021 , 20, 100084	7.6	4
207	Silacycle-Templated Intramolecular Diels-Alder Cyclizations for the Diastereoselective Construction of Complex Carbon Skeletons. <i>Organic Letters</i> , 2021 , 23, 2183-2188	6.2	2
206	Protein interaction landscapes revealed by advanced in vivo cross-linking-mass spectrometry. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021 , 118,	11.5	11
205	Exploring Spacer Arm Structures for Designs of Asymmetric Sulfoxide-Containing MS-Cleavable Cross-Linkers. <i>Analytical Chemistry</i> , 2020 , 92, 6026-6033	7.8	3
204	Structural dynamics of the human COP9 signalosome revealed by cross-linking mass spectrometry and integrative modeling. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020 , 117, 4088-4098	11.5	28
203	Using the Competing Enantioselective Conversion Method to Assign the Absolute Configuration of Cyclic Amines with Bode's Acylation Reagents. <i>Journal of Organic Chemistry</i> , 2020 , 85, 10750-10759	4.2	1
202	Total Synthesis and Structure Revision of (-)-Illisimonin A, a Neuroprotective Sesquiterpenoid from the Fruits of. <i>Journal of the American Chemical Society</i> , 2019 , 141, 13295-13300	16.4	33
201	Total Synthesis of (-)-Himeradine A. <i>Angewandte Chemie</i> , 2019 , 131, 16339-16343	3.6	3
200	Total Synthesis of (-)-Himeradine A. <i>Angewandte Chemie - International Edition</i> , 2019 , 58, 16193-16197	16.4	10
199	Probing HO-mediated Structural Dynamics of the Human 26S Proteasome Using Quantitative Cross-linking Mass Spectrometry (QXL-MS). <i>Molecular and Cellular Proteomics</i> , 2019 , 18, 954-967	7.6	8
198	Relative and Absolute Structure Assignments of Alkenes Using Crystalline Osmate Derivatives for X-ray Analysis. <i>Organic Letters</i> , 2019 , 21, 10125-10129	6.2	3
197	Heteroatom-Directed Acylation of Secondary Alcohols To Assign Absolute Configuration. <i>Journal of Organic Chemistry</i> , 2018 , 83, 2504-2515	4.2	13
196	Biosynthesis-Inspired Approach to Kujounin A Using a Stereoselective Tsuji-Trost Alkylation. <i>Organic Letters</i> , 2018 , 20, 5849-5852	6.2	7
195	Development of a Novel Sulfoxide-Containing MS-Cleavable Homobifunctional Cysteine-Reactive Cross-Linker for Studying Protein-Protein Interactions. <i>Analytical Chemistry</i> , 2018 , 90, 7600-7607	7.8	23
194	Second-Generation Synthesis of (+)-Fastigiatine Inspired by Conformational Studies. <i>Journal of Organic Chemistry</i> , 2018 , 83, 8914-8925	4.2	8
193	Catalytic Enantioselective Allylations of Acetylenic Aldehydes via 2-Propanol-Mediated Reductive Coupling. <i>Organic Letters</i> , 2018 , 20, 4144-4147	6.2	14

192	Determination of the Absolute Configuration of EChiral Primary Alcohols Using the Competing Enantioselective Conversion Method. <i>Organic Letters</i> , 2017 , 19, 2953-2956	6.2	14
191	Molecular Details Underlying Dynamic Structures and Regulation of the Human 26S Proteasome. <i>Molecular and Cellular Proteomics</i> , 2017 , 16, 840-854	7.6	67
190	The proteasome-interacting Ecm29 protein disassembles the 26S proteasome in response to oxidative stress. <i>Journal of Biological Chemistry</i> , 2017 , 292, 16310-16320	5.4	60
189	Determination of the Absolute Configuration of Cyclic Amines with Bode's Chiral Hydroxamic Esters Using the Competing Enantioselective Conversion Method. <i>Organic Letters</i> , 2017 , 19, 4195-4198	6.2	8
188	Concise synthesis of (+)-fastigiatine. <i>Chemical Science</i> , 2016 , 7, 188-190	9.4	20
187	Route to Highly Substituted Pyridines. <i>Journal of Organic Chemistry</i> , 2016 , 81, 10376-10382	4.2	24
186	Distinct mechanisms underlying cholesterol protection against alcohol-induced BK channel inhibition and resulting vasoconstriction. <i>Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids</i> , 2016 , 1861, 1756-1766	5	13
185	Developing a Multiplexed Quantitative Cross-Linking Mass Spectrometry Platform for Comparative Structural Analysis of Protein Complexes. <i>Analytical Chemistry</i> , 2016 , 88, 10301-10308	7.8	41
184	Developing an Acidic Residue Reactive and Sulfoxide-Containing MS-Cleavable Homobifunctional Cross-Linker for Probing Protein-Protein Interactions. <i>Analytical Chemistry</i> , 2016 , 88, 8315-22	7.8	42
183	Nanomole-Scale Assignment and One-Use Kits for Determining the Absolute Configuration of Secondary Alcohols. <i>Journal of Organic Chemistry</i> , 2016 , 81, 6253-65	4.2	11
182	Generation, Stability, and Utility of Lithium 4,4TDi-tert-butylbiphenylide (LiDBB). <i>Journal of Organic Chemistry</i> , 2016 , 81, 10707-10714	4.2	13
181	Stereoselection in Intramolecular Diels-Alder Reactions of 2-Cyano-1-azadienes: Indolizidine and Quinolizidine Synthesis. <i>Organic Letters</i> , 2016 , 18, 3050-3	6.2	7
180	Stereochemical Outcomes in Reductive Cyclizations To Form Spirocyclic Heterocycles. <i>Organic Letters</i> , 2015 , 17, 3268-71	6.2	6
179	Synthesis of two new enrichable and MS-cleavable cross-linkers to define protein-protein interactions by mass spectrometry. <i>Organic and Biomolecular Chemistry</i> , 2015 , 13, 5030-7	3.9	29
178	Design of CID-cleavable protein cross-linkers: identical mass modifications for simpler sequence analysis. <i>Organic and Biomolecular Chemistry</i> , 2015 , 13, 9793-807	3.9	11
177	Generation, structure and reactivity of tertiary organolithium reagents. <i>Natural Product Reports</i> , 2015 , 32, 517-33	15.1	21
176	Dissecting Fission Yeast Shelterin Interactions via MICro-MS Links Disruption of Shelterin Bridge to Tumorigenesis. <i>Cell Reports</i> , 2015 , 12, 2169-80	10.6	12
175	Gln40 deamidation blocks structural reconfiguration and activation of SCF ubiquitin ligase complex by Nedd8. <i>Nature Communications</i> , 2015 , 6, 10053	17.4	29

174	Studies toward the synthesis of pahlidine lycopodium alkaloids: a Morita-Baylis-Hillman/intramolecular Diels-Alder approach. <i>Organic Letters</i> , 2014 , 16, 688-91	6.2	26
173	Silyl enol ether Prins cyclization: diastereoselective formation of substituted tetrahydropyran-4-ones. <i>Journal of Organic Chemistry</i> , 2014 , 79, 8733-49	4.2	17
172	Undergraduate Laboratory Experiment To Determine Absolute Configuration Using Thin-Layer Chromatography. <i>Journal of Chemical Education</i> , 2014 , 91, 716-721	2.4	7
171	Developing new isotope-coded mass spectrometry-cleavable cross-linkers for elucidating protein structures. <i>Analytical Chemistry</i> , 2014 , 86, 2099-106	7.8	34
170	A new in vivo cross-linking mass spectrometry platform to define protein-protein interactions in living cells. <i>Molecular and Cellular Proteomics</i> , 2014 , 13, 3533-43	7.6	130
169	Synthesis of Saturated Tetrahydropyrans. <i>Topics in Heterocyclic Chemistry</i> , 2014 , 43-95	0.2	14
168	Discussion Addendum for: Preparation of α -Acetoxy Ethers by the Reductive Acetylation of Esters: endo-1-Bornyloxyethyl Acetate 2014 , 143-158		
167	Formation of highly substituted tetrahydropyranones: application to the total synthesis of cyanolide A. <i>Organic Letters</i> , 2013 , 15, 4536-9	6.2	15
166	Kinetic analysis of the HBTM-catalyzed esterification of an enantiopure secondary alcohol. <i>Organic Letters</i> , 2013 , 15, 5504-7	6.2	20
165	Hedgehog pathway modulation by multiple lipid binding sites on the smoothed effector of signal response. <i>Developmental Cell</i> , 2013 , 26, 346-57	10.2	137
164	Absolute configuration of lactams and oxazolidinones using kinetic resolution catalysts. <i>Organic Letters</i> , 2013 , 15, 472-5	6.2	25
163	Trianion synthon approach to spirocyclic heterocycles. <i>Organic Letters</i> , 2013 , 15, 2226-9	6.2	24
162	Determination of absolute configuration of secondary alcohols using thin-layer chromatography. <i>Journal of Organic Chemistry</i> , 2013 , 78, 4594-8	4.2	23
161	Origins of regio- and stereochemistry in type 2 intramolecular N-acylnitroso Diels-Alder reactions: a computational study of tether length and substituent effects. <i>Journal of Organic Chemistry</i> , 2013 , 78, 4090-8	4.2	9
160	Total synthesis of lepadiformine alkaloids using N-Boc β -amino nitriles as trianion synthons. <i>Journal of Organic Chemistry</i> , 2012 , 77, 3390-400	4.2	33
159	Nanomole-scale assignment of configuration for primary amines using a kinetic resolution strategy. <i>Journal of the American Chemical Society</i> , 2012 , 134, 20318-21	16.4	19
158	Mapping the structural topology of the yeast 19S proteasomal regulatory particle using chemical cross-linking and probabilistic modeling. <i>Molecular and Cellular Proteomics</i> , 2012 , 11, 1566-77	7.6	52
157	Cholesterol through the looking glass: ability of its enantiomer also to elicit homeostatic responses. <i>Journal of Biological Chemistry</i> , 2012 , 287, 33897-904	5.4	23

156	Determination of absolute configuration using kinetic resolution catalysts. <i>Organic Letters</i> , 2011 , 13, 4470-3	6.2	40
155	Total synthesis of the cyanolide A aglycon. <i>Journal of the American Chemical Society</i> , 2011 , 133, 9727-9	16.4	69
154	Development of a novel cross-linking strategy for fast and accurate identification of cross-linked peptides of protein complexes. <i>Molecular and Cellular Proteomics</i> , 2011 , 10, M110.002212	7.6	231
153	Specificity of cholesterol and analogs to modulate BK channels points to direct sterol-channel protein interactions. <i>Journal of General Physiology</i> , 2011 , 137, 93-110	3.4	74
152	Specificity of cholesterol and analogs to modulate BK channels points to direct sterol-channel protein interactions. <i>Journal of General Physiology</i> , 2011 , 137, 391-391	3.4	78
151	DABO Boronates: Stable Heterocyclic Boronic Acid Complexes for Use in Suzuki-Miyaura Cross-Coupling Reactions. <i>Synlett</i> , 2011 , 2011,	2.2	9
150	Allyl transfer to aldehydes and ketones by Brønsted acid activation of allyl and crotyl 1,3,2-dioxazaborolidines. <i>Organic Letters</i> , 2010 , 12, 4892-5	6.2	16
149	Total synthesis of (-)-lycoperine A. <i>Organic Letters</i> , 2010 , 12, 72-5	6.2	40
148	Fully substituted carbon centers by diastereoselective spirocyclization: stereoselective synthesis of (+)-lepadiformine C. <i>Journal of the American Chemical Society</i> , 2010 , 132, 9591-3	16.4	28
147	Selective enrichment and identification of azide-tagged cross-linked peptides using chemical ligation and mass spectrometry. <i>Journal of the American Society for Mass Spectrometry</i> , 2010 , 21, 1432-43 ⁵	3.5	30
146	Polyol synthesis with beta-oxyanionic alkyl lithium reagents: syntheses of aculeatins A, B, and D. <i>Organic Letters</i> , 2009 , 11, 4220-3	6.2	36
145	Symmetric macrocycles by a Prins dimerization and macrocyclization strategy. <i>Organic Letters</i> , 2009 , 11, 5342-5	6.2	45
144	Formal synthesis of (-)-kendomycin featuring a Prins-cyclization to construct the macrocycle. <i>Journal of the American Chemical Society</i> , 2008 , 130, 13177-81	16.4	110
143	Cyclization via carbolithiation of alpha-amino alkyl lithium reagents. <i>Organic Letters</i> , 2008 , 10, 4017-20	6.2	32
142	Rhenium(VII) catalysis of Prins cyclization reactions. <i>Organic Letters</i> , 2008 , 10, 4839-42	6.2	70
141	A concise synthesis of ent-Cholesterol. <i>Journal of Organic Chemistry</i> , 2008 , 73, 2768-73	4.2	17
140	Assignment of absolute configuration to SCH 351448 via total synthesis. <i>Organic Letters</i> , 2008 , 10, 3101-4	4.2	39
139	Lewis Acid-Promoted Mukaiyama Aldol-Prins (MAP) Cyclizations of Acetals, Ketals, Acetoxy Ethers, and Orthoformates. <i>Synlett</i> , 2008 , 2008, 363-366	2.2	5

138	Diastereoselective synthesis of the pectenotoxin 2 non-anomeric AB spiroacetal. <i>Organic Letters</i> , 2007 , 9, 711-4	6.2	42
137	A reductive cyclization approach to attenol A. <i>Journal of Organic Chemistry</i> , 2007 , 72, 2602-11	4.2	33
136	Synthesis and structural reassignment of (+)-epicalyxin F. <i>Organic Letters</i> , 2007 , 9, 4955-8	6.2	33
135	Synthesis of the C1-C52 fragment of amphidinol 3, featuring a beta-alkoxy alkyllithium addition reaction. <i>Organic Letters</i> , 2007 , 9, 4757-60	6.2	47
134	Substrate chirality and specificity of diacylglycerol kinases and the multisubstrate lipid kinase. <i>Biochemistry</i> , 2007 , 46, 14225-31	3.2	18
133	Total synthesis of leucascandrolide a: a new application of the Mukaiyama aldol-Prins reaction. <i>Journal of Organic Chemistry</i> , 2007 , 72, 5784-93	4.2	61
132	Multidrug resistance protein 1 is not associated to detergent-resistant membranes. <i>Biochemical and Biophysical Research Communications</i> , 2007 , 355, 1025-30	3.4	10
131	Synthesis of the C31-C67 fragment of amphidinol 3. <i>Angewandte Chemie - International Edition</i> , 2006 , 45, 7258-62	16.4	42
130	Total synthesis and structure assignment of (+)-hexacyclinol. <i>Angewandte Chemie - International Edition</i> , 2006 , 45, 5790-2	16.4	68
129	Synthesis of the C31-C67 Fragment of Amphidinol 3. <i>Angewandte Chemie</i> , 2006 , 118, 7416-7420	3.6	6
128	Total Synthesis and Structure Assignment of (+)-Hexacyclinol. <i>Angewandte Chemie</i> , 2006 , 118, 5922-5924	3.6	9
127	Racemization in Prins cyclization reactions. <i>Journal of the American Chemical Society</i> , 2006 , 128, 13640-8	16.4	115
126	Rapid stereocontrolled assembly of the fully substituted C-aryl glycoside of kendomycin with a Prins cyclization: a formal synthesis. <i>Chemical Communications</i> , 2006 , 2388-90	5.8	42
125	Stereoselectivity of intramolecular Prins cyclizations of alkyllithium reagents on methoxy alkenes. <i>Journal of Organic Chemistry</i> , 2006 , 71, 1068-73	4.2	11
124	Solvolysis of a tetrahydropyranyl mesylate: mechanistic implications for the Prins cyclization, 2-oxonia-cope rearrangement, and Grob fragmentation. <i>Organic Letters</i> , 2006 , 8, 2175-8	6.2	42
123	Qualitative and quantitative measurements of hydrogen bond mediated scalar couplings in acyclic 1,3-diols. <i>Organic Letters</i> , 2006 , 8, 5321-3	6.2	21
122	Synthesis and structure revision of calyxin natural products. <i>Journal of Organic Chemistry</i> , 2006 , 71, 3176-83	4.8	79
121	Predicting NMR spectra by computational methods: structure revision of hexacyclinol. <i>Organic Letters</i> , 2006 , 8, 2895-8	6.2	167

120	Reductive spiroannulation of nitriles with secondary electrophiles. <i>Organic Letters</i> , 2005 , 7, 2051-3	6.2	16
119	Synthesis of the spirofungin B core by a reductive cyclization strategy. <i>Organic Letters</i> , 2005 , 7, 1873-5	6.2	26
118	Strategies for the generation of molecularly imprinted polymeric nitroxide catalysts. <i>Organic Letters</i> , 2005 , 7, 4879-82	6.2	44
117	Utilization of an oxonia-Cope rearrangement as a mechanistic probe for Prins cyclizations. <i>Journal of the American Chemical Society</i> , 2005 , 127, 9939-45	16.4	98
116	Synthesis of the C3-C19 segment of phorboxazole B. <i>Organic Letters</i> , 2005 , 7, 3255-8	6.2	39
115	Tetrahydropyran rings from a Mukaiyama-Michael cascade reaction. <i>Journal of the American Chemical Society</i> , 2005 , 127, 16044-5	16.4	32
114	Enantioselective synthesis of the C18-C25 segment of lasonolide A by an oxonia-cope prins cascade. <i>Organic Letters</i> , 2005 , 7, 1589-91	6.2	46
113	A C-glycosidation approach to the central core of amphidinol 3: synthesis of the c39-c52 fragment. <i>Organic Letters</i> , 2005 , 7, 1853-6	6.2	46
112	Direct assignment of the relative configuration in acyclic 1,3-diols by ¹ H NMR spectroscopy. <i>Organic Letters</i> , 2005 , 7, 5721-3	6.2	14
111	Rational synthesis of contra-thermodynamic spiroacetals by reductive cyclizations. <i>Journal of the American Chemical Society</i> , 2005 , 127, 528-9	16.4	52
110	Role of chirality in peptide-induced formation of cholesterol-rich domains. <i>Biochemical Journal</i> , 2005 , 390, 541-8	3.8	23
109	C2-Symmetric nitroxides and their potential as enantioselective oxidants. <i>Tetrahedron: Asymmetry</i> , 2005 , 16, 3584-3598		32
108	Stereochemical course of the reductive spiroannulations of N-Boc and N-benzyl 2-cyanopiperidines. <i>Tetrahedron</i> , 2005 , 61, 3371-3381	2.4	18
107	Dual roles for cholesterol in mammalian cells. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2005 , 102, 14551-6	11.5	100
106	A unified approach to polyene macrolides: synthesis of candidin and nystatin polyols. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2004 , 101, 11992-5	11.5	19
105	Oxonia-cope prins cyclizations: a facile method for the synthesis of tetrahydropyranones bearing quaternary centers. <i>Journal of the American Chemical Society</i> , 2004 , 126, 15662-3	16.4	72
104	Synthesis of rimocidinolide methyl ester, the aglycone of (+)-rimocidin. <i>Angewandte Chemie - International Edition</i> , 2004 , 43, 2822-6	16.4	21
103	Synthesis of Rimocidinolide Methyl Ester, the Aglycone of (+)-Rimocidin. <i>Angewandte Chemie</i> , 2004 , 116, 2882-2886	3.6	9

102	Differential modulation of the antifungal activity of amphotericin B by natural and ent-cholesterol. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2004 , 14, 115-8	2.9	15
101	Generation and utility of tertiary alpha-aminoorganolithium reagents. <i>Organic Letters</i> , 2004 , 6, 2745-8	6.2	28
100	Axial-selective prins cyclizations by solvolysis of alpha-bromo ethers. <i>Journal of the American Chemical Society</i> , 2004 , 126, 9904-5	16.4	107
99	Memory of chirality in the transannular cyclization of cyclodecenylium radicals. <i>Organic Letters</i> , 2004 , 6, 2713-6	3.6	29
98	Intramolecular S _N 2 cyclization of an alkyllithium species onto a methoxy allyl ether is syn selective. <i>Chemical Communications</i> , 2004 , 168-9	5.8	11
97	Spiroannulation by Alkylation and Reductive Cyclization of Nitriles. <i>Angewandte Chemie</i> , 2003 , 115, 842-844	3.6	4
96	Unified Strategy for the Synthesis of (+)-Elisapterosin B and (+)-Colombiasin A. <i>Angewandte Chemie</i> , 2003 , 115, 1305-1308	3.6	27
95	Spiroannulation by alkylation and reductive cyclization of nitriles. <i>Angewandte Chemie - International Edition</i> , 2003 , 42, 818-20	16.4	38
94	Unified strategy for the synthesis of (-)-elisapterosin B and (-)-colombiasin A. <i>Angewandte Chemie - International Edition</i> , 2003 , 42, 1267-70	16.4	74
93	Formal synthesis of (-)-apicularen A. <i>Organic Letters</i> , 2003 , 5, 3357-60	6.2	32
92	Diastereoselective additions of nucleophiles to alpha-acetoxy ethers using the alpha-(trimethylsilyl)benzyl auxiliary. <i>Organic Letters</i> , 2003 , 5, 2367-70	6.2	17
91	Synthesis of optically pure arylsilylcarbinols and their use as chiral auxiliaries in oxocarbenium ion reactions. <i>Journal of Organic Chemistry</i> , 2003 , 68, 10135-45	4.2	43
90	Titanium(IV)-promoted Mukaiyama aldol-Prins cyclizations. <i>Organic Letters</i> , 2003 , 5, 3163-6	6.2	35
89	Preparation of alpha-Acetoxy Ethers by the Reductive Acetylation of Esters: endo-1-Bornyloxyethyl Acetate 2003 , 177-183		8
88	Total synthesis of the polyene macrolide dermostatin A. <i>Tetrahedron</i> , 2002 , 58, 6561-6576	2.4	28
87	Empirical model for the molar rotations of syn-2,2-dimethyl-1,3-dioxanes. <i>Organic Letters</i> , 2002 , 4, 3075-8	8.2	3
86	Optically pure alpha-(trimethylsilyl)benzyl alcohol: a practical chiral auxiliary for oxocarbenium ion reactions. <i>Organic Letters</i> , 2002 , 4, 147-50	6.2	44
85	Synthesis of (-)-centrolobine by Prins cyclizations that avoid racemization. <i>Organic Letters</i> , 2002 , 4, 3919-22	6.2	156

84	Stereoselective recognition of monolayers of cholesterol, ent-cholesterol, and epicholesterol by an antibody. <i>ChemBioChem</i> , 2001 , 2, 265-71	3.8	22
83	Total Synthesis of Dermostatin A. <i>Angewandte Chemie</i> , 2001 , 113, 3324-3327	3.6	1
82	Total Synthesis of Dermostatin A. <i>Angewandte Chemie - International Edition</i> , 2001 , 40, 3224-3227	16.4	31
81	Mukaiyama aldol-Prins cyclization cascade reaction: a formal total synthesis of leucascandrolide A. <i>Journal of the American Chemical Society</i> , 2001 , 123, 8420-1	16.4	170
80	Stereoselectivity and regioselectivity in the segment-coupling Prins cyclization. <i>Journal of Organic Chemistry</i> , 2001 , 66, 4679-86	4.2	133
79	Beta-selective glycosylations with masked D-mycosamine precursors. <i>Organic Letters</i> , 2001 , 3, 3393-6	6.2	34
78	Use of a conformational radical clock for evaluating alkyllithium-mediated cyclization reactions. <i>Organic Letters</i> , 2001 , 3, 807-10	6.2	29
77	Role of 2-oxonia Cope rearrangements in Prins cyclization reactions. <i>Organic Letters</i> , 2001 , 3, 3815-8	6.2	74
76	4-Acetoxy- and 4-Cyano-1,3-Dioxanes in Synthesis. <i>Topics in Current Chemistry</i> , 2001 , 51-92		21
75	Enantioselective reduction of esters: synthesis of optically active β -acetoxy ethers. <i>Tetrahedron Letters</i> , 2000 , 41, 3593-3596	2	9
74	Improved procedure for the reductive acetylation of acyclic esters and a new synthesis of ethers. <i>Journal of Organic Chemistry</i> , 2000 , 65, 191-8	4.2	143
73	Synthesis of the C22-C26 tetrahydropyran segment of phorboxazole by a stereoselective prins cyclization. <i>Organic Letters</i> , 2000 , 2, 1217-9	6.2	109
72	Conformational Memory in Enantioselective Radical Reductions and a New Radical Clock Reaction. <i>Journal of the American Chemical Society</i> , 2000 , 122, 9386-9390	16.4	41
71	Convergent synthesis of a polyol chain with 4-acetoxy-1,3-dioxanes using a 1,1-bis(trimethylsilyl)methyl)ethene linchpin. <i>Tetrahedron Letters</i> , 1999 , 40, 41-44	2	13
70	Total synthesis of filipin III. <i>Tetrahedron</i> , 1999 , 55, 8977-8996	2.4	32
69	TEMPO-Catalyzed Oxidations of Alcohols Using m-CPBA: The Role of Halide Ions. <i>Journal of Organic Chemistry</i> , 1999 , 64, 310-312	4.2	101
68	AM1-SM2 Calculations Model the Redox Potential of Nitroxyl Radicals Such as TEMPO. <i>Journal of Organic Chemistry</i> , 1999 , 64, 6745-6749	4.2	65
67	Anti-1,3-diols by Addition of Dialkylzinc Reagents to 4-Acetoxy-1,3-dioxanes. <i>Journal of Organic Chemistry</i> , 1999 , 64, 2026-2037	4.2	18

66	Synthesis, Equilibration, and Coupling of 4-Lithio-1,3-dioxanes: Synthons for syn- and anti-1,3-Diols. <i>Journal of Organic Chemistry</i> , 1999 , 64, 6849-6860	4.2	39
65	Segment-coupling Prins cyclizations. <i>Tetrahedron Letters</i> , 1998 , 39, 7271-7274	2	47
64	Coupling of alkynyl organometallics with 4-acetoxy-1,3-dioxanes: Synthesis of propargylic and allylic anti-1,3-diols. <i>Tetrahedron Letters</i> , 1998 , 39, 3103-3106	2	14
63	Diastereoselective synthesis of polypropionates: Cationic couplings of 4-acetoxy-1,3-dioxanes with crotyl-metal reagents. <i>Tetrahedron Letters</i> , 1998 , 39, 6811-6814	2	6
62	Configurational Assignment of Polyene Macrolide Antibiotics Using the [¹³ C]Acetonide Analysis. <i>Accounts of Chemical Research</i> , 1998 , 31, 9-17	24.3	205
61	Nonequilibrium Radical Reductions. <i>Journal of the American Chemical Society</i> , 1998 , 120, 5589-5590	16.4	25
60	Synthesis of Chiral Nitroxides and an Unusual Racemization Reaction. <i>Journal of Organic Chemistry</i> , 1998 , 63, 6363-6374	4.2	44
59	Total Synthesis of Filipin III. <i>Journal of the American Chemical Society</i> , 1997 , 119, 12360-12361	16.4	30
58	Total Synthesis of the Polyene Macrolide Roflamycoin. <i>Journal of the American Chemical Society</i> , 1997 , 119, 2058-2059	16.4	79
57	Two-Dimensional NMR Analysis of Acetonide Derivatives in the Stereochemical Assignment of Polyol Chains: The Absolute Configurations of Dermostatins A and B. <i>Journal of Organic Chemistry</i> , 1997 , 62, 2925-2934	4.2	28
56	Prins Desymmetrization of a C(2)-Symmetric Diol: Application to the Synthesis of 17-Deoxyroflamycoin. <i>Journal of Organic Chemistry</i> , 1997 , 62, 3022-3023	4.2	47
55	Approaches to the Synthesis of the Vancomycin Antibiotics. Synthesis of Orienticin C (Bis-dechlorovancomycin) Aglycon. <i>Journal of the American Chemical Society</i> , 1997 , 119, 3419-3420	16.4	83
54	Dialkylzinc Additions to 4-Acetoxy-1,3-dioxanes: A Highly Stereoselective Route to Protected anti-1,3-Diols. <i>Journal of Organic Chemistry</i> , 1997 , 62, 6460-6461	4.2	30
53	Alkylation and Reductive Decyanation of 4-Cyano-2,2-dimethyl-1,3-dioxanes (Cyanohydrin Acetonides). <i>Journal of Organic Chemistry</i> , 1997 , 62, 1333-1340	4.2	20
52	Synthesis and biological evaluation of non-polyene analogs of amphotericin B. <i>Bioorganic and Medicinal Chemistry Letters</i> , 1997 , 7, 3177-3182	2.9	19
51	Tandem radical nitrile transfer-cyclization reactions of 1,3-dioxane-4-nitriles: Synthesis of spirocyclic systems. <i>Tetrahedron</i> , 1997 , 53, 16489-16502	2.4	18
50	Enantioselective Oxidation of Secondary Alcohols Using a Chiral Nitroxyl (N-Oxoammonium salt) Catalyst. <i>Journal of Organic Chemistry</i> , 1996 , 61, 1194-1195	4.2	85
49	General Synthesis of alpha-Acetoxy Ethers from Esters by DIBALH Reduction and Acetylation. <i>Journal of Organic Chemistry</i> , 1996 , 61, 8317-8320	4.2	150

48	Carbon-Carbon Bond Formation from Small- and Medium-Ring Lactol Acetates via Radical and Oxonium Ion Intermediates. Synthesis of (+/-)-Laurenan. <i>Journal of Organic Chemistry</i> , 1996 , 61, 7648-7649	4.2	23
47	Filipin III: Configuration Assignment and Confirmation by Synthetic Correlation. <i>Journal of Organic Chemistry</i> , 1996 , 61, 4219-4231	4.2	31
46	Elucidating the Origin of Conformational Energy Differences in Substituted 1,3-Dioxanes: A Combined Theoretical and Experimental Study. <i>Journal of Organic Chemistry</i> , 1996 , 61, 3662-3668	4.2	15
45	Oxepanes from an unusual acetal cleavage of 6,8-dioxabicyclo[3.2.1]octanes. <i>Tetrahedron Letters</i> , 1996 , 37, 339-342	2	15
44	Iodide acceleration in the Pd-catalyzed coupling of aromatic 1,2-ditriflates with alkynes: Synthesis of enediynes. <i>Tetrahedron Letters</i> , 1996 , 37, 7901-7904	2	65
43	Prins cyclization of 4-allyl-1,3-dioxanes prepared from 1,3-diol synthons. A rapid entry into functionalized tetrahydropyrans. <i>Tetrahedron Letters</i> , 1996 , 37, 8679-8682	2	42
42	Stereoselective Radical and Cationic Couplings in 4-Acetoxy-1,3-Dioxane Rings. <i>Synlett</i> , 1995 , 1995, 555-556	5.6	17
41	Cascade Cyclizations of Cyclic Sulfates: An Enantioselective Alternative to Polyepoxide Cyclizations in the Synthesis of Poly(tetrahydrofurans). <i>Journal of the American Chemical Society</i> , 1995 , 117, 12873-12874	16.4	28
40	A Mild, Regioselective Ketal Claisen Rearrangement Promoted by Triisobutylaluminum. <i>Journal of Organic Chemistry</i> , 1995 , 60, 4318-4319	4.2	7
39	Stereochemical Determination of Roflamycoin: ¹³ C Acetonide Analysis and Synthetic Correlation. <i>Journal of the American Chemical Society</i> , 1995 , 117, 197-210	16.4	29
38	Oxo Polyene Macrolide Antibiotics. <i>Chemical Reviews</i> , 1995 , 95, 2021-2040	68.1	302
37	Relative und absolute Konfiguration von Filipin III. <i>Angewandte Chemie</i> , 1995 , 107, 1355-1358	3.6	1
36	Relative and Absolute Configuration of Filipin III. <i>Angewandte Chemie International Edition in English</i> , 1995 , 34, 1227-1230		21
35	Reductive lithiation of alkyl 2-thiopyridyl ethers to generate optically pure alkoxylithium reagents. <i>Tetrahedron Letters</i> , 1994 , 35, 6799-6802	2	12
34	Synthesis and revised configuration of (+)-combretastatin D-1. <i>Tetrahedron Letters</i> , 1994 , 35, 8927-8930	2	12
33	Triphenylphosphine-Catalyzed Isomerizations of Enynes to (E,E,E)-Trienes: Phenol as a Cocatalyst. <i>Journal of Organic Chemistry</i> , 1994 , 59, 2659-2660	4.2	59
32	Crystal and Molecular Studies of Succinimide-Lithium Salt Complexes. <i>Chemistry of Materials</i> , 1994 , 6, 1200-1205	9.6	8
31	Synthesis of (+/-)-Combretastatin D-1 and Combretastatin D-2. <i>Journal of Organic Chemistry</i> , 1994 , 59, 5414-5418	4.2	30

- 30 Stereochemical Assignment of Roflamycoin by ¹³C Acetonide Analysis. *Journal of the American Chemical Society*, **1994**, 116, 2623-2624 16.4 7
- 29 Rapid Construction of the Roflamycoin System. *Journal of the American Chemical Society*, **1994**, 116, 2621-2625 16.4 25
- 28 Convergent Synthesis of the Polyene Macrolide (-)-Roxaticin. *Journal of the American Chemical Society*, **1994**, 116, 1753-1765 16.4 82
- 27 Two-directional chain synthesis: an application to the synthesis of (+)-mycoticin A. *Journal of the American Chemical Society*, **1993**, 115, 3360-3361 16.4 69
- 26 Convergent synthesis of the spiroacetal fragment of milbemycin **1**. *Journal of the Chemical Society Chemical Communications*, **1993**, 291-292 3
- 25 Chair and twist-boat conformations of 1,3-dioxanes: limitations of molecular mechanics force fields. *Journal of Organic Chemistry*, **1993**, 58, 5251-5255 4.2 46
- 24 Analysis of two carbon-13 NMR correlations for determining the stereochemistry of 1,3-diol acetonides. *Journal of Organic Chemistry*, **1993**, 58, 3511-3515 4.2 323
- 23 Synthesis of ent-cholesterol, the unnatural enantiomer. *Journal of Organic Chemistry*, **1992**, 57, 2732-2736 4.2 69
- 22 Enantiomeric cholesterol as a probe of ion-channel structure. *Journal of the American Chemical Society*, **1992**, 114, 359-360 16.4 46
- 21 An iterative and convergent synthesis of syn polyols. *Journal of Organic Chemistry*, **1992**, 57, 1559-1563 4.2 37
- 20 Conformation and reactivity of anomeric radicals. *Journal of the American Chemical Society*, **1992**, 114, 8375-8384 16.4 61
- 19 A practical preparation of α -alkoxylithium reagents: synthesis of syn or anti 1,3-diols. *Journal of Organic Chemistry*, **1992**, 57, 4336-4339 4.2 44
- 18 Synthesis of the polyol chain of (-)-roxaticin. *Journal of Organic Chemistry*, **1992**, 57, 4793-4795 4.2 20
- 17 Stereochemistry of the macrolactins. *Journal of the American Chemical Society*, **1992**, 114, 671-677 16.4 74
- 16 A general approach to the asymmetric synthesis of vancomycin-related arylglycines by enolate azidation. *Tetrahedron Letters*, **1992**, 33, 1189-1192 2 86
- 15 A reverse-phase HPLC assay for measuring the interaction of polyene macrolide antifungal agents with sterols. *Analytical Biochemistry*, **1992**, 205, 96-9 3.1 8
- 14 1-methylcyclopropyl (MCP) ethers as protecting groups. *Tetrahedron Letters*, **1991**, 32, 7219-7222 2 20
- 13 Regiospecificity of acetal cleavage to an enol ether using a carbon-13 labeled acetonide. *Tetrahedron Letters*, **1991**, 32, 7223-7224 2 6

12	Optically pure 1,3-diols from (2R,4R)- and (2S,4S)-1,2:4,5-diepoxy pentane. <i>Journal of Organic Chemistry</i> , 1991 , 56, 5161-5169	4.2	86
11	Stereochemistry of alternating polyol chains: ¹³ C NMR analysis of 1,3-diol acetonides. <i>Tetrahedron Letters</i> , 1990 , 31, 945-948	2	435
10	Stereoselective synthesis of syn-1,3-diol acetonides by reductive decyanation of cyanohydrins. <i>Journal of Organic Chemistry</i> , 1990 , 55, 5550-5551	4.2	44
9	Preparation of 2-lithiotetrahydropyrans: Kinetic and thermodynamic generation of alkyllithium reagents. <i>Tetrahedron Letters</i> , 1989 , 30, 3011-3014	2	62
8	A convergent synthesis of polyol chains. <i>Journal of Organic Chemistry</i> , 1989 , 54, 4982-4984	4.2	36
7	Iterative butenolide construction of polypropionate chains. <i>Journal of the American Chemical Society</i> , 1987 , 109, 1564-1565	16.4	64
6	Concise total synthesis of (+)-(9S)-dihydroerythronolide A. <i>Journal of the American Chemical Society</i> , 1987 , 109, 1565-1567	16.4	103
5	Free-radical cyclization of bromo acetals. Use in the construction of bicyclic acetals and lactones. <i>Journal of the American Chemical Society</i> , 1983 , 105, 3741-3742	16.4	242
4	Stereocontrolled synthesis of cis-2,5-disubstituted tetrahydrofurans and cis- and trans-linalyl oxides. <i>Journal of the American Chemical Society</i> , 1981 , 103, 3963-3964	16.4	170
3	Utilization of Oxygenated Radicals in Synthesis		334-349 1
2	Preparation of (R,R)-1,2:4,5-Diepoxy pentane		1-1
1	Discussion Addendum for: Preparation of (R,R)-1,2:4,5-Diepoxy pentane		1-21