

Scott D Rychnovsky

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209
papers

9,438
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52
h-index

85
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257
ext. papers

10,189
ext. citations

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avg, IF

6.29
L-index

#	Paper	IF	Citations
209	Stereochemistry of alternating polyol chains: ¹³ C NMR analysis of 1,3-diol acetonides. <i>Tetrahedron Letters</i> , 1990 , 31, 945-948	2	435
208	Analysis of two carbon-13 NMR correlations for determining the stereochemistry of 1,3-diol acetonides. <i>Journal of Organic Chemistry</i> , 1993 , 58, 3511-3515	4.2	323
207	Oxo Polyene Macrolide Antibiotics. <i>Chemical Reviews</i> , 1995 , 95, 2021-2040	68.1	302
206	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
205	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
204	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
203	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
202	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
201	Predicting NMR spectra by computational methods: structure revision of hexacyclinol. <i>Organic Letters</i> , 2006 , 8, 2895-8	6.2	167
200	Synthesis of (-)-centrolobine by Prins cyclizations that avoid racemization. <i>Organic Letters</i> , 2002 , 4, 3919-22	6.2	156
199	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
198	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
197	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
196	Stereoselectivity and regioselectivity in the segment-coupling Prins cyclization. <i>Journal of Organic Chemistry</i> , 2001 , 66, 4679-86	4.2	133
195	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
194	Racemization in Prins cyclization reactions. <i>Journal of the American Chemical Society</i> , 2006 , 128, 13640-8	16.4	115
193	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

192	Synthesis of the C22-C26 tetrahydropyran segment of phorbaxazole by a stereoselective prins cyclization. <i>Organic Letters</i> , 2000 , 2, 1217-9	6.2	109
191	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
190	Concise total synthesis of (+)-(9S)-dihydroerythronolide A. <i>Journal of the American Chemical Society</i> , 1987 , 109, 1565-1567	16.4	103
189	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
188	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
187	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
186	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
185	A general approach to the asymmetric synthesis of vancomycin-related arylglycines by enolate azidation. <i>Tetrahedron Letters</i> , 1992 , 33, 1189-1192	2	86
184	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
183	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
182	Convergent Synthesis of the Polyene Macrolide (-)-Roxaticin. <i>Journal of the American Chemical Society</i> , 1994 , 116, 1753-1765	16.4	82
181	Total Synthesis of the Polyene Macrolide Roflamycoin. <i>Journal of the American Chemical Society</i> , 1997 , 119, 2058-2059	16.4	79
180	Synthesis and structure revision of calyxin natural products. <i>Journal of Organic Chemistry</i> , 2006 , 71, 3176-3183	4.2	79
179	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
178	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
177	Unified strategy for the synthesis of (-)-elisapterosin B and (-)-colombiasin A. <i>Angewandte Chemie - International Edition</i> , 2003 , 42, 1267-70	16.4	74
176	Role of 2-oxonia Cope rearrangements in Prins cyclization reactions. <i>Organic Letters</i> , 2001 , 3, 3815-8	6.2	74
175	Stereochemistry of the macrolactins. <i>Journal of the American Chemical Society</i> , 1992 , 114, 671-677	16.4	74

174	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
173	Rhenium(VII) catalysis of Prins cyclization reactions. <i>Organic Letters</i> , 2008 , 10, 4839-42	6.2	70
172	Total synthesis of the cyanolide A aglycon. <i>Journal of the American Chemical Society</i> , 2011 , 133, 9727-9	16.4	69
171	Two-directional chain synthesis: an application to the synthesis of (+)-mycoticin A. <i>Journal of the American Chemical Society</i> , 1993 , 115, 3360-3361	16.4	69
170	Synthesis of ent-cholesterol, the unnatural enantiomer. <i>Journal of Organic Chemistry</i> , 1992 , 57, 2732-2736	16.4	69
169	Total synthesis and structure assignment of (+)-hexacyclinol. <i>Angewandte Chemie - International Edition</i> , 2006 , 45, 5790-2	16.4	68
168	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
167	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
166	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
165	Iterative butenolide construction of polypropionate chains. <i>Journal of the American Chemical Society</i> , 1987 , 109, 1564-1565	16.4	64
164	Preparation of 2-lithiotetrahydropyrans: Kinetic and thermodynamic generation of alkyllithium reagents. <i>Tetrahedron Letters</i> , 1989 , 30, 3011-3014	2	62
163	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
162	Conformation and reactivity of anomeric radicals. <i>Journal of the American Chemical Society</i> , 1992 , 114, 8375-8384	16.4	61
161	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
160	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
159	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
158	Rational synthesis of contra-thermodynamic spiroacetals by reductive cyclizations. <i>Journal of the American Chemical Society</i> , 2005 , 127, 528-9	16.4	52
157	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

156	Segment-coupling Prins cyclizations. <i>Tetrahedron Letters</i> , 1998 , 39, 7271-7274	2	47
155	Synthesis of the C1-C52 fragment of amphidinol 3, featuring a beta-alkoxy alkyl lithium addition reaction. <i>Organic Letters</i> , 2007 , 9, 4757-60	6.2	47
154	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
153	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
152	Chair and twist-boat conformations of 1,3-dioxanes: limitations of molecular mechanics force fields. <i>Journal of Organic Chemistry</i> , 1993 , 58, 5251-5255	4.2	46
151	Enantiomeric cholesterol as a probe of ion-channel structure. <i>Journal of the American Chemical Society</i> , 1992 , 114, 359-360	16.4	46
150	Symmetric macrocycles by a Prins dimerization and macrocyclization strategy. <i>Organic Letters</i> , 2009 , 11, 5342-5	6.2	45
149	Strategies for the generation of molecularly imprinted polymeric nitroxide catalysts. <i>Organic Letters</i> , 2005 , 7, 4879-82	6.2	44
148	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
147	Synthesis of Chiral Nitroxides and an Unusual Racemization Reaction. <i>Journal of Organic Chemistry</i> , 1998 , 63, 6363-6374	4.2	44
146	A practical preparation of .alpha.-alkoxylithium reagents: synthesis of syn or anti 1,3-diols. <i>Journal of Organic Chemistry</i> , 1992 , 57, 4336-4339	4.2	44
145	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
144	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
143	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
142	Diastereoselective synthesis of the pectenotoxin 2 non-anomeric AB spiroacetal. <i>Organic Letters</i> , 2007 , 9, 711-4	6.2	42
141	Synthesis of the C31-C67 fragment of amphidinol 3. <i>Angewandte Chemie - International Edition</i> , 2006 , 45, 7258-62	16.4	42
140	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
139	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

138	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
137	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
136	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
135	Determination of absolute configuration using kinetic resolution catalysts. <i>Organic Letters</i> , 2011 , 13, 4470-3	6.2	40
134	Total synthesis of (-)-lycoperine A. <i>Organic Letters</i> , 2010 , 12, 72-5	6.2	40
133	Assignment of absolute configuration to SCH 351448 via total synthesis. <i>Organic Letters</i> , 2008 , 10, 3101-4	4.2	39
132	Synthesis of the C3-C19 segment of phorboxazole B. <i>Organic Letters</i> , 2005 , 7, 3255-8	6.2	39
131	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
130	Spiroannulation by alkylation and reductive cyclization of nitriles. <i>Angewandte Chemie - International Edition</i> , 2003 , 42, 818-20	16.4	38
129	An iterative and convergent synthesis of syn polyols. <i>Journal of Organic Chemistry</i> , 1992 , 57, 1559-1563	4.2	37
128	Polyol synthesis with beta-oxyanionic alkyllithium reagents: syntheses of aculeatins A, B, and D. <i>Organic Letters</i> , 2009 , 11, 4220-3	6.2	36
127	A convergent synthesis of polyol chains. <i>Journal of Organic Chemistry</i> , 1989 , 54, 4982-4984	4.2	36
126	Titanium(IV)-promoted Mukaiyama aldol-Prins cyclizations. <i>Organic Letters</i> , 2003 , 5, 3163-6	6.2	35
125	Developing new isotope-coded mass spectrometry-cleavable cross-linkers for elucidating protein structures. <i>Analytical Chemistry</i> , 2014 , 86, 2099-106	7.8	34
124	Beta-selective glycosylations with masked D-mycosamine precursors. <i>Organic Letters</i> , 2001 , 3, 3393-6	6.2	34
123	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
122	Total synthesis of lepadiformine alkaloids using N-Boc amino nitriles as trianion synthons. <i>Journal of Organic Chemistry</i> , 2012 , 77, 3390-400	4.2	33
121	A reductive cyclization approach to attenol A. <i>Journal of Organic Chemistry</i> , 2007 , 72, 2602-11	4.2	33

120	Synthesis and structural reassignment of (+)-epicalyxin F. <i>Organic Letters</i> , 2007 , 9, 4955-8	6.2	33
119	Cyclization via carbolithiation of alpha-amino alkyllithium reagents. <i>Organic Letters</i> , 2008 , 10, 4017-20	6.2	32
118	Tetrahydropyran rings from a Mukaiyama-Michael cascade reaction. <i>Journal of the American Chemical Society</i> , 2005 , 127, 16044-5	16.4	32
117	Formal synthesis of (-)-apicularen A. <i>Organic Letters</i> , 2003 , 5, 3357-60	6.2	32
116	C2-Symmetric nitroxides and their potential as enantioselective oxidants. <i>Tetrahedron: Asymmetry</i> , 2005 , 16, 3584-3598		32
115	Total synthesis of filipin III. <i>Tetrahedron</i> , 1999 , 55, 8977-8996	2.4	32
114	Total Synthesis of Dermostatin A. <i>Angewandte Chemie - International Edition</i> , 2001 , 40, 3224-3227	16.4	31
113	Filipin III: Configuration Assignment and Confirmation by Synthetic Correlation. <i>Journal of Organic Chemistry</i> , 1996 , 61, 4219-4231	4.2	31
112	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, 1432-435	3.5	30
111	Total Synthesis of Filipin III. <i>Journal of the American Chemical Society</i> , 1997 , 119, 12360-12361	16.4	30
110	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
109	Synthesis of (+/-)-Combretastatin D-1 and Combretastatin D-2. <i>Journal of Organic Chemistry</i> , 1994 , 59, 5414-5418	4.2	30
108	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
107	Gln40 deamidation blocks structural reconfiguration and activation of SCF ubiquitin ligase complex by Nedd8. <i>Nature Communications</i> , 2015 , 6, 10053	17.4	29
106	Memory of chirality in the transannular cyclization of cyclodecenylyl radicals. <i>Organic Letters</i> , 2004 , 6, 2713-6	3.6	29
105	Use of a conformational radical clock for evaluating alkyllithium-mediated cyclization reactions. <i>Organic Letters</i> , 2001 , 3, 807-10	6.2	29
104	Stereochemical Determination of Roflamycoïn: 13C Acetonide Analysis and Synthetic Correlation. <i>Journal of the American Chemical Society</i> , 1995 , 117, 197-210	16.4	29
103	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

102	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
101	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
100	Generation and utility of tertiary alpha-aminoorganolithium reagents. <i>Organic Letters</i> , 2004 , 6, 2745-8	6.2	28
99	Total synthesis of the polyene macrolide dermostatin A. <i>Tetrahedron</i> , 2002 , 58, 6561-6576	2.4	28
98	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
97	Unified Strategy for the Synthesis of (1R)-Elisapterosin B and (1R)-Colombiasin A. <i>Angewandte Chemie</i> , 2003 , 115, 1305-1308	3.6	27
96	Studies toward the synthesis of palhinine lycopodium alkaloids: a Morita-Baylis-Hillman/intramolecular Diels-Alder approach. <i>Organic Letters</i> , 2014 , 16, 688-91	6.2	26
95	Synthesis of the spirofungin B core by a reductive cyclization strategy. <i>Organic Letters</i> , 2005 , 7, 1873-5	6.2	26
94	Absolute configuration of lactams and oxazolidinones using kinetic resolution catalysts. <i>Organic Letters</i> , 2013 , 15, 472-5	6.2	25
93	Nonequilibrium Radical Reductions. <i>Journal of the American Chemical Society</i> , 1998 , 120, 5589-5590	16.4	25
92	Rapid Construction of the Roflomycoin System. <i>Journal of the American Chemical Society</i> , 1994 , 116, 2621-2622	16.4	25
91	Route to Highly Substituted Pyridines. <i>Journal of Organic Chemistry</i> , 2016 , 81, 10376-10382	4.2	24
90	Trianion synthon approach to spirocyclic heterocycles. <i>Organic Letters</i> , 2013 , 15, 2226-9	6.2	24
89	Determination of absolute configuration of secondary alcohols using thin-layer chromatography. <i>Journal of Organic Chemistry</i> , 2013 , 78, 4594-8	4.2	23
88	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
87	Role of chirality in peptide-induced formation of cholesterol-rich domains. <i>Biochemical Journal</i> , 2005 , 390, 541-8	3.8	23
86	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
85	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

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	Generation, structure and reactivity of tertiary organolithium reagents. <i>Natural Product Reports</i> , 2015 , 32, 517-33	15.1	21
82	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
81	Synthesis of rimocidinolide methyl ester, the aglycone of (+)-rimocidin. <i>Angewandte Chemie - International Edition</i> , 2004 , 43, 2822-6	16.4	21
80	Relative and Absolute Configuration of Filipin III. <i>Angewandte Chemie International Edition in English</i> , 1995 , 34, 1227-1230		21
79	4-Acetoxy- and 4-Cyano-1,3-Dioxanes in Synthesis. <i>Topics in Current Chemistry</i> , 2001 , 51-92		21
78	Concise synthesis of (+)-fastigiatine. <i>Chemical Science</i> , 2016 , 7, 188-190	9.4	20
77	Kinetic analysis of the HBTM-catalyzed esterification of an enantiopure secondary alcohol. <i>Organic Letters</i> , 2013 , 15, 5504-7	6.2	20
76	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
75	1-methylcyclopropyl (MCP) ethers as protecting groups. <i>Tetrahedron Letters</i> , 1991 , 32, 7219-7222	2	20
74	Synthesis of the polyol chain of (-)-roxaticin.. <i>Journal of Organic Chemistry</i> , 1992 , 57, 4793-4795	4.2	20
73	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
72	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
71	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
70	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
69	Substrate chirality and specificity of diacylglycerol kinases and the multisubstrate lipid kinase. <i>Biochemistry</i> , 2007 , 46, 14225-31	3.2	18
68	Stereochemical course of the reductive spiroannulations of N-Boc and N-benzyl 2-cyanopiperidines. <i>Tetrahedron</i> , 2005 , 61, 3371-3381	2.4	18
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 Silyl enol ether Prins cyclization: diastereoselective formation of substituted tetrahydropyran-4-ones. *Journal of Organic Chemistry*, **2014**, 79, 8733-49 4.2 17
- 65 A concise synthesis of ent-Cholesterol. *Journal of Organic Chemistry*, **2008**, 73, 2768-73 4.2 17
- 64 Diastereoselective additions of nucleophiles to alpha-acetoxy ethers using the alpha-(trimethylsilyl)benzyl auxiliary. *Organic Letters*, **2003**, 5, 2367-70 6.2 17
- 63 Stereoselective Radical and Cationic Couplings in 4-Acetoxy-1,3-Dioxane Rings. *Synlett*, **1995**, 1995, 555-556 17
- 62 Allyl transfer to aldehydes and ketones by Brønsted acid activation of allyl and crotyl 1,3,2-dioxazaborolidines. *Organic Letters*, **2010**, 12, 4892-5 6.2 16
- 61 Reductive spiroannulation of nitriles with secondary electrophiles. *Organic Letters*, **2005**, 7, 2051-3 6.2 16
- 60 Formation of highly substituted tetrahydropyranones: application to the total synthesis of cyanolide A. *Organic Letters*, **2013**, 15, 4536-9 6.2 15
- 59 Differential modulation of the antifungal activity of amphotericin B by natural and ent-cholesterol. *Bioorganic and Medicinal Chemistry Letters*, **2004**, 14, 115-8 2.9 15
- 58 Elucidating the Origin of Conformational Energy Differences in Substituted 1,3-Dioxanes: A Combined Theoretical and Experimental Study. *Journal of Organic Chemistry*, **1996**, 61, 3662-3668 4.2 15
- 57 Oxepanes from an unusual acetal cleavage of 6,8-dioxabicyclo[3.2.1]octanes. *Tetrahedron Letters*, **1996**, 37, 339-342 2 15
- 56 Determination of the Absolute Configuration of Chiral Primary Alcohols Using the Competing Enantioselective Conversion Method. *Organic Letters*, **2017**, 19, 2953-2956 6.2 14
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3	Preparation of (R,R)-1,2:4,5-Diepoxy pentane 1-1	
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1	Discussion Addendum for: Preparation of β Acetoxy Ethers by the Reductive Acetylation of Esters: endo-1-Bornyloxyethyl Acetate 2014 , 143-158	