

# Scott D Rychnovsky

## List of Publications by Year in descending order

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211  
papers

10,924  
citations

34016

52  
h-index

43802

91  
g-index

257  
all docs

257  
docs citations

257  
times ranked

6325  
citing authors

#	ARTICLE	IF	CITATIONS
1	Stereochemistry of alternating polyol chains: <sup>13</sup> C NMR analysis of 1,3-diol acetonides. <i>Tetrahedron Letters</i> , 1990, 31, 945-948.	0.7	471
2	Oxo Polyene Macrolide Antibiotics. <i>Chemical Reviews</i> , 1995, 95, 2021-2040.	23.0	342
3	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.	1.7	341
4	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, M110.002170.	2.5	318
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.	6.6	279
6	Configurational Assignment of Polyene Macrolide Antibiotics Using the [ <sup>13</sup> C]Acetonide Analysis. <i>Accounts of Chemical Research</i> , 1998, 31, 9-17.	7.6	231
7	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.	6.6	195
8	Mukaiyama Aldol-Prins Cyclization Cascade Reaction: A Formal Total Synthesis of Leucascandrolide A. <i>Journal of the American Chemical Society</i> , 2001, 123, 8420-8421.	6.6	192
9	Predicting NMR Spectra by Computational Methods: Structure Revision of Hexacyclinol. <i>Organic Letters</i> , 2006, 8, 2895-2898.	2.4	181
10	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, 3533-3543.	2.5	167
11	Hedgehog Pathway Modulation by Multiple Lipid Binding Sites on the Smoothed Effector of Signal Response. <i>Developmental Cell</i> , 2013, 26, 346-357.	3.1	166
12	Synthesis of (±)-Centrolobine by Prins Cyclizations that Avoid Racemization. <i>Organic Letters</i> , 2002, 4, 3919-3922.	2.4	165
13	General Synthesis of ±-Acetoxy Ethers from Esters by DIBALH Reduction and Acetylation. <i>Journal of Organic Chemistry</i> , 1996, 61, 8317-8320.	1.7	163
14	Improved Procedure for the Reductive Acetylation of Acyclic Esters and a New Synthesis of Ethers. <i>Journal of Organic Chemistry</i> , 2000, 65, 191-198.	1.7	155
15	Stereoselectivity and Regioselectivity in the Segment-Coupling Prins Cyclization. <i>Journal of Organic Chemistry</i> , 2001, 66, 4679-4686.	1.7	150
16	Concise total synthesis of (+)-(9S)-dihydroerythronolide A. <i>Journal of the American Chemical Society</i> , 1987, 109, 1565-1567.	6.6	125
17	Synthesis of the C22-C26 Tetrahydropyran Segment of Phorboxazole by a Stereoselective Prins Cyclization. <i>Organic Letters</i> , 2000, 2, 1217-1219.	2.4	121
18	Dual roles for cholesterol in mammalian cells. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2005, 102, 14551-14556.	3.3	120

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19	Racemization in Prins Cyclization Reactions. <i>Journal of the American Chemical Society</i> , 2006, 128, 13640-13648.	6.6	119
20	TEMPO-Catalyzed Oxidations of Alcohols Using <i>m</i> -CPBA: The Role of Halide Ions. <i>Journal of Organic Chemistry</i> , 1999, 64, 310-312.	1.7	117
21	Axial-Selective Prins Cyclizations by Solvolysis of $\beta$ -Bromo Ethers. <i>Journal of the American Chemical Society</i> , 2004, 126, 9904-9905.	6.6	116
22	Formal Synthesis of ( $\alpha^*$ )-Kendomycin Featuring a Prins-Cyclization To Construct the Macrocycle. <i>Journal of the American Chemical Society</i> , 2008, 130, 13177-13181.	6.6	115
23	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.	1.7	106
24	Utilization of an Oxonia-Cope Rearrangement as a Mechanistic Probe for Prins Cyclizations. <i>Journal of the American Chemical Society</i> , 2005, 127, 9939-9945.	6.6	106
25	Enantioselective Oxidation of Secondary Alcohols Using a Chiral Nitroxyl (N-Oxoammonium salt) Catalyst. <i>Journal of Organic Chemistry</i> , 1996, 61, 1194-1195.	1.7	104
26	A general approach to the asymmetric synthesis of vancomycin-related arylglycines by enolate azidation. <i>Tetrahedron Letters</i> , 1992, 33, 1189-1192.	0.7	103
27	Total Synthesis of the Polyene Macrolide Roflomycoin. <i>Journal of the American Chemical Society</i> , 1997, 119, 2058-2059.	6.6	103
28	Convergent Synthesis of the Polyene Macrolide (-)-Roxaticin. <i>Journal of the American Chemical Society</i> , 1994, 116, 1753-1765.	6.6	100
29	Molecular Details Underlying Dynamic Structures and Regulation of the Human 26S Proteasome. <i>Molecular and Cellular Proteomics</i> , 2017, 16, 840-854.	2.5	93
30	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.	6.6	89
31	Synthesis and Structure Revision of Calyxin Natural Products. <i>Journal of Organic Chemistry</i> , 2006, 71, 3176-3183.	1.7	87
32	Two-directional chain synthesis: an application to the synthesis of (+)-mycoticin A. <i>Journal of the American Chemical Society</i> , 1993, 115, 3360-3361.	6.6	83
33	The proteasome-interacting Ecm29 protein disassembles the 26S proteasome in response to oxidative stress. <i>Journal of Biological Chemistry</i> , 2017, 292, 16310-16320.	1.6	82
34	Stereochemistry of the macrolactins. <i>Journal of the American Chemical Society</i> , 1992, 114, 671-677.	6.6	81
35	Preparation of 2-lithiotetrahydropyrans: Kinetic and thermodynamic generation of alkyllithium reagents. <i>Tetrahedron Letters</i> , 1989, 30, 3011-3014.	0.7	79
36	Unified Strategy for the Synthesis of ( $\alpha^*$ )-Elisapterosin B and ( $\alpha^*$ )-Colombiasin A. <i>Angewandte Chemie - International Edition</i> , 2003, 42, 1267-1270.	7.2	79

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37	Rhenium(VII) Catalysis of Prins Cyclization Reactions. <i>Organic Letters</i> , 2008, 10, 4839-4842.	2.4	79
38	Iterative butenolide construction of polypropionate chains. <i>Journal of the American Chemical Society</i> , 1987, 109, 1564-1565.	6.6	78
39	Synthesis of ent-cholesterol, the unnatural enantiomer. <i>Journal of Organic Chemistry</i> , 1992, 57, 2732-2736.	1.7	78
40	Role of 2-Oxonia Cope Rearrangements in Prins Cyclization Reactions. <i>Organic Letters</i> , 2001, 3, 3815-3818.	2.4	78
41	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.	0.9	78
42	AM1-SM2 Calculations Model the Redox Potential of Nitroxyl Radicals Such as TEMPO. <i>Journal of Organic Chemistry</i> , 1999, 64, 6745-6749.	1.7	77
43	Oxonias-Cope Prins Cyclizations: A Facile Method for the Synthesis of Tetrahydropyranones Bearing Quaternary Centers. <i>Journal of the American Chemical Society</i> , 2004, 126, 15662-15663.	6.6	77
44	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, .	3.3	77
45	Total Synthesis and Structure Assignment of (+)-Hexacyclinol. <i>Angewandte Chemie - International Edition</i> , 2006, 45, 5790-5792.	7.2	75
46	Total Synthesis of the Cyanolide A Aglycon. <i>Journal of the American Chemical Society</i> , 2011, 133, 9727-9729.	6.6	74
47	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.	0.7	72
48	Conformation and reactivity of anomeric radicals. <i>Journal of the American Chemical Society</i> , 1992, 114, 8375-8384.	6.6	64
49	Triphenylphosphine-Catalyzed Isomerizations of Enynes to (E,E)-Trienes: Phenol as a Cocatalyst. <i>Journal of Organic Chemistry</i> , 1994, 59, 2659-2660.	1.7	64
50	Total Synthesis of Leucascandrolide A: A New Application of the Mukaiyama Aldol-Prins Reaction. <i>Journal of Organic Chemistry</i> , 2007, 72, 5784-5793.	1.7	64
51	Prins Desymmetrization of a C <sub>2</sub> -Symmetric Diol: Application to the Synthesis of 17-Deoxyroflamycoin. <i>Journal of Organic Chemistry</i> , 1997, 62, 3022-3023.	1.7	61
52	Segment-coupling Prins cyclizations. <i>Tetrahedron Letters</i> , 1998, 39, 7271-7274.	0.7	58
53	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.	3.3	58
54	Developing an Acidic Residue Reactive and Sulfoxide-Containing MS-Cleavable Homobifunctional Cross-Linker for Probing Protein-Protein Interactions. <i>Analytical Chemistry</i> , 2016, 88, 8315-8322.	3.2	56

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55	Developing a Multiplexed Quantitative Cross-Linking Mass Spectrometry Platform for Comparative Structural Analysis of Protein Complexes. <i>Analytical Chemistry</i> , 2016, 88, 10301-10308.	3.2	55
56	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, 1566-1577.	2.5	54
57	Total Synthesis and Structure Revision of (âˆ™)-Illicimonin A, a Neuroprotective Sesquiterpenoid from the Fruits of <i>Illicium simonsii</i> . <i>Journal of the American Chemical Society</i> , 2019, 141, 13295-13300.	6.6	54
58	Synthesis of Optically Pure Arylsilylcarbinols and Their Use as Chiral Auxiliaries in Oxocarbenium Ion Reactions. <i>Journal of Organic Chemistry</i> , 2003, 68, 10135-10145.	1.7	53
59	Rational Synthesis of Contra-Thermodynamic Spiroacetals by Reductive Cyclizations. <i>Journal of the American Chemical Society</i> , 2005, 127, 528-529.	6.6	53
60	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.	1.7	52
61	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.	0.7	52
62	Stereoselective synthesis of syn-1,3-diol acetones by reductive decyanation of cyanohydrins. <i>Journal of Organic Chemistry</i> , 1990, 55, 5550-5551.	1.7	51
63	Optically Pure Î±-(Trimethylsilyl)benzyl Alcohol: A Practical Chiral Auxiliary for Oxocarbenium Ion Reactions. <i>Organic Letters</i> , 2002, 4, 147-150.	2.4	51
64	Solvolysis of a Tetrahydropyranyl Mesylate: Mechanistic Implications for the Prins Cyclization, 2-Oxonio-Cope Rearrangement, and Grob Fragmentation. <i>Organic Letters</i> , 2006, 8, 2175-2178.	2.4	51
65	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.	1.7	50
66	A convergent synthesis of polyol chains. <i>Journal of Organic Chemistry</i> , 1989, 54, 4982-4984.	1.7	49
67	Enantiomeric cholesterol as a probe of ion-channel structure. <i>Journal of the American Chemical Society</i> , 1992, 114, 359-360.	6.6	49
68	Synthesis of Chiral Nitroxides and an Unusual Racemization Reaction. <i>Journal of Organic Chemistry</i> , 1998, 63, 6363-6374.	1.7	49
69	AC-Glycosidation Approach to the Central Core of Amphidinol 3: Synthesis of the C39âˆ™C52 Fragment. <i>Organic Letters</i> , 2005, 7, 1853-1856.	2.4	49
70	Strategies for the Generation of Molecularly Imprinted Polymeric Nitroxide Catalysts. <i>Organic Letters</i> , 2005, 7, 4879-4882.	2.4	48
71	Synthesis of the C1âˆ™C52 Fragment of Amphidinol 3, Featuring a Î²-Alkoxy Alkylolithium Addition Reaction. <i>Organic Letters</i> , 2007, 9, 4757-4760.	2.4	48
72	Symmetric Macrocycles by a Prins Dimerization and Macrocyclization Strategy. <i>Organic Letters</i> , 2009, 11, 5342-5345.	2.4	48

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73	Conformational Memory in Enantioselective Radical Reductions and a New Radical Clock Reaction. <i>Journal of the American Chemical Society</i> , 2000, 122, 9386-9390.	6.6	47
74	Enantioselective Synthesis of the C18~C25 Segment of Lasonolide A by an Oxonia-Cope Prins Cascade. <i>Organic Letters</i> , 2005, 7, 1589-1591.	2.4	47
75	Determination of Absolute Configuration Using Kinetic Resolution Catalysts. <i>Organic Letters</i> , 2011, 13, 4470-4473.	2.4	46
76	Synthesis of the C31~C67 Fragment of Amphidinol 3. <i>Angewandte Chemie - International Edition</i> , 2006, 45, 7258-7262.	7.2	45
77	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.	1.7	44
78	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.	2.2	44
79	Total Synthesis of Dermostatin A. <i>Angewandte Chemie - International Edition</i> , 2001, 40, 3224-3227.	7.2	42
80	Synthesis of the C3~C19 Segment of Phorboxazole B. <i>Organic Letters</i> , 2005, 7, 3255-3258.	2.4	42
81	Diastereoselective Synthesis of the Pectenotoxin 2 Non-Anomeric AB Spiroacetal. <i>Organic Letters</i> , 2007, 9, 711-714.	2.4	42
82	Assignment of Absolute Configuration to SCH 351448 via Total Synthesis. <i>Organic Letters</i> , 2008, 10, 3101-3104.	2.4	42
83	Total Synthesis of (~)-Lycoperine A. <i>Organic Letters</i> , 2010, 12, 72-75.	2.4	42
84	An iterative and convergent synthesis of syn polyols. <i>Journal of Organic Chemistry</i> , 1992, 57, 1559-1563.	1.7	41
85	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.	1.7	41
86	Total synthesis of filipin III. <i>Tetrahedron</i> , 1999, 55, 8977-8996.	1.0	41
87	Spiroannulation by Alkylation and Reductive Cyclization of Nitriles. <i>Angewandte Chemie - International Edition</i> , 2003, 42, 818-820.	7.2	41
88	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, 5030-5037.	1.5	41
89	Synthesis of (+,~)-Combretastatin D-1 and Combretastatin D-2. <i>Journal of Organic Chemistry</i> , 1994, 59, 5414-5418.	1.7	40
90	C2-Symmetric nitroxides and their potential as enantioselective oxidants. <i>Tetrahedron: Asymmetry</i> , 2005, 16, 3584-3598.	1.8	40

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91	Titanium(IV)-Promoted Mukaiyama Aldol-Prins Cyclizations. <i>Organic Letters</i> , 2003, 5, 3163-3166.	2.4	39
92	Formal Synthesis of (âˆš)-Apicularen A. <i>Organic Letters</i> , 2003, 5, 3357-3360.	2.4	38
93	Total Synthesis of Filipin III. <i>Journal of the American Chemical Society</i> , 1997, 119, 12360-12361.	6.6	37
94	Î²-Selective Glycosylations with Maskedd-Mycosamine Precursors. <i>Organic Letters</i> , 2001, 3, 3393-3396.	2.4	37
95	Polyol Synthesis with Î²-Oxyanionic Alkylolithium Reagents: Syntheses of Aculeatins A, B, and D. <i>Organic Letters</i> , 2009, 11, 4220-4223.	2.4	37
96	Developing New Isotope-Coded Mass Spectrometry-Cleavable Cross-Linkers for Elucidating Protein Structures. <i>Analytical Chemistry</i> , 2014, 86, 2099-2106.	3.2	36
97	Gln40 deamidation blocks structural reconfiguration and activation of SCF ubiquitin ligase complex by Nedd8. <i>Nature Communications</i> , 2015, 6, 10053.	5.8	36
98	Filipin III:Â Configuration Assignment and Confirmation by Synthetic Correlation. <i>Journal of Organic Chemistry</i> , 1996, 61, 4219-4231.	1.7	35
99	A Reductive Cyclization Approach to Attenol A. <i>Journal of Organic Chemistry</i> , 2007, 72, 2602-2611.	1.7	35
100	Synthesis and Structural Reassignment of (+)-Epicalyxin F. <i>Organic Letters</i> , 2007, 9, 4955-4958.	2.4	35
101	Total Synthesis of Lepadiformine Alkaloids using N-Boc Î±-Amino Nitriles as Trianion Synthons. <i>Journal of Organic Chemistry</i> , 2012, 77, 3390-3400.	1.7	35
102	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.	3.2	35
103	Tetrahydropyran Rings from a Mukaiyama-Michael Cascade Reaction. <i>Journal of the American Chemical Society</i> , 2005, 127, 16044-16045.	6.6	34
104	Cyclization via Carbolithiation of Î±-Amino Alkylolithium Reagents. <i>Organic Letters</i> , 2008, 10, 4017-4020.	2.4	34
105	Rapid Construction of the Roflamycoin System. <i>Journal of the American Chemical Society</i> , 1994, 116, 2621-2622.	6.6	33
106	Stereochemical Determination of Roflamycoin: 13C Acetonide Analysis and Synthetic Correlation. <i>Journal of the American Chemical Society</i> , 1995, 117, 197-210.	6.6	33
107	Use of a Conformational Radical Clock for Evaluating Alkylolithium-Mediated Cyclization Reactions. <i>Organic Letters</i> , 2001, 3, 807-810.	2.4	32
108	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, 1432-1445.	1.2	32

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109	Nonequilibrium Radical Reductions. <i>Journal of the American Chemical Society</i> , 1998, 120, 5589-5590.	6.6	31
110	Generation and Utility of Tertiary $\hat{\pm}$ -Aminoorganolithium Reagents. <i>Organic Letters</i> , 2004, 6, 2745-2748.	2.4	31
111	Memory of Chirality in the Transannular Cyclization of Cyclodecenylic Radicals. <i>Organic Letters</i> , 2004, 6, 2713-2716.	2.4	31
112	Route to Highly Substituted Pyridines. <i>Journal of Organic Chemistry</i> , 2016, 81, 10376-10382.	1.7	31
113	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.	6.6	30
114	Carbon $\hat{\sim}$ Carbon Bond Formation from Small- and Medium-Ring Lactol Acetates via Radical and Oxonium Ion Intermediates. Synthesis of ( $\hat{\pm}$ )-Laurenan. <i>Journal of Organic Chemistry</i> , 1996, 61, 7648-7649.	1.7	30
115	Two-Dimensional NMR Analysis of Acetonide Derivatives in the Stereochemical Assignment of Polyol Chains: The Absolute Configurations of Dermostatin A and B. <i>Journal of Organic Chemistry</i> , 1997, 62, 2925-2934.	1.7	30
116	Total synthesis of the polyene macrolide dermostatin A. <i>Tetrahedron</i> , 2002, 58, 6561-6576.	1.0	30
117	Unified Strategy for the Synthesis of ( $\hat{\sim}$ )-Elisapterosin B and ( $\hat{\sim}$ )-Colombiasin A. <i>Angewandte Chemie</i> , 2003, 115, 1305-1308.	1.6	30
118	Synthesis of the Spirofungin B Core by a Reductive Cyclization Strategy. <i>Organic Letters</i> , 2005, 7, 1873-1875.	2.4	29
119	Fully Substituted Carbon Centers by Diastereoselective Spirocyclization: Stereoselective Synthesis of (+)-Lepadiformine C. <i>Journal of the American Chemical Society</i> , 2010, 132, 9591-9593.	6.6	29
120	Determination of Absolute Configuration of Secondary Alcohols Using Thin-Layer Chromatography. <i>Journal of Organic Chemistry</i> , 2013, 78, 4594-4598.	1.7	29
121	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.	1.7	28
122	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, 11992-11995.	3.3	28
123	Absolute Configuration of Lactams and Oxazolidinones Using Kinetic Resolution Catalysts. <i>Organic Letters</i> , 2013, 15, 472-475.	2.4	28
124	Trianion Synthon Approach to Spirocyclic Heterocycles. <i>Organic Letters</i> , 2013, 15, 2226-2229.	2.4	28
125	1-methylcyclopropyl (MCP) ethers as protecting groups. <i>Tetrahedron Letters</i> , 1991, 32, 7219-7222.	0.7	27
126	Studies toward the Synthesis of Palhinine Lycopodium Alkaloids: A Morita $\hat{\sim}$ Baylis $\hat{\sim}$ Hillman/Intramolecular Diels $\hat{\sim}$ Alder Approach. <i>Organic Letters</i> , 2014, 16, 688-691.	2.4	27



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127	Stereoselective Recognition of Monolayers of Cholesterol, ent-Cholesterol, and Epicholesterol by an Antibody. <i>ChemBioChem</i> , 2001, 2, 265-271.	1.3	25
128	Cholesterol through the Looking Glass. <i>Journal of Biological Chemistry</i> , 2012, 287, 33897-33904.	1.6	25
129	4-Acetoxy- and 4-Cyano-1,3-Dioxanes in Synthesis. <i>Topics in Current Chemistry</i> , 2001, , 51-92.	4.0	25
130	Synthesis of the polyol chain of (-)-roxaticin.. <i>Journal of Organic Chemistry</i> , 1992, 57, 4793-4795.	1.7	24
131	Kinetic Analysis of the HBTM-Catalyzed Esterification of an Enantiopure Secondary Alcohol. <i>Organic Letters</i> , 2013, 15, 5504-5507.	2.4	24
132	Generation, structure and reactivity of tertiary organolithium reagents. <i>Natural Product Reports</i> , 2015, 32, 517-533.	5.2	24
133	Relative and Absolute Configuration of Filipin III. <i>Angewandte Chemie International Edition in English</i> , 1995, 34, 1227-1230.	4.4	23
134	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.	1.7	23
135	Synthesis of Rimocidinolide Methyl Ester, the Aglycone of (+)-Rimocidin. <i>Angewandte Chemie - International Edition</i> , 2004, 43, 2822-2826.	7.2	23
136	Role of chirality in peptide-induced formation of cholesterol-rich domains. <i>Biochemical Journal</i> , 2005, 390, 541-548.	1.7	23
137	Synthesis and biological evaluation of non-polyene analogs of amphotericin B. <i>Bioorganic and Medicinal Chemistry Letters</i> , 1997, 7, 3177-3182.	1.0	22
138	Qualitative and Quantitative Measurements of Hydrogen Bond Mediated Scalar Couplings in Acyclic 1,3-Diols. <i>Organic Letters</i> , 2006, 8, 5321-5323.	2.4	22
139	Nanomole-Scale Assignment of Configuration for Primary Amines Using a Kinetic Resolution Strategy. <i>Journal of the American Chemical Society</i> , 2012, 134, 20318-20321.	6.6	22
140	Reductive lithiation of alkyl 2-thiopyridyl ethers to generate optically pure $\hat{\pm}$ -alkoxylithium reagents. <i>Tetrahedron Letters</i> , 1994, 35, 6799-6802.	0.7	21
141	Generation, Stability, and Utility of Lithium 4,4- $\hat{\epsilon}^2$ -Di- <i>tert</i> -butylbiphenylide (LiDBB). <i>Journal of Organic Chemistry</i> , 2016, 81, 10707-10714.	1.7	21
142	Concise synthesis of (+)-fastigiatine. <i>Chemical Science</i> , 2016, 7, 188-190.	3.7	21
143	Synthesis and revised configuration of (+)-combretastatin D-1. <i>Tetrahedron Letters</i> , 1994, 35, 8927-8930.	0.7	20
144	Oxepanes from an unusual acetal cleavage of 6,8-dioxabicyclo[3.2.1]octanes. <i>Tetrahedron Letters</i> , 1996, 37, 339-342.	0.7	20

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145	Substrate Chirality and Specificity of Diacylglycerol Kinases and the Multisubstrate Lipid Kinase. <i>Biochemistry</i> , 2007, 46, 14225-14231.	1.2	20
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