George A O'doherty

List of Publications by Year
in descending order

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168 papers	5,937 citations	53751 45 h-index	102432 66 g-index
223 all docs	223 docs citations	223 times ranked	3172 citing authors

#	Article	IF	Citations
1	De Novo Synthesis of Oligosaccharides Using a Palladium-Catalyzed Glycosylation Reaction. Journal of the American Chemical Society, 2004, 126, 3428-3429.	6.6	180
2	A Palladium-Catalyzed Glycosylation Reaction:Â The de Novo Synthesis of Natural and Unnatural Glycosides. Journal of the American Chemical Society, 2003, 125, 12406-12407.	6.6	178
3	Asymmetric synthesis of allylic sulfones useful as asymmetric building blocks.. Journal of the American Chemical Society, 1995, 117, 9662-9670.	6.6	156
4	Synthesis ofd- andl-Deoxymannojirimycin via an Asymmetric Aminohydroxylation of Vinylfuran. Organic Letters, 2001, 3, 401-404.	2.4	141
5	Enantioselective Synthesis of 2-Deoxy- and 2,3-Dideoxyhexoses. Organic Letters, 2002, 4, 1771-1774.	2.4	121
6	De Novo Approach to 2-Deoxy-Î²-glycosides:Â Asymmetric Syntheses of Digoxose and Digitoxin1. Journal of Organic Chemistry, 2007, 72, 2485-2493.	1.7	111
7	Syntheses ofd- andl-Mannose, Gulose, and Talose via Diastereoselective and Enantioselective Dihydroxylation Reactions. Journal of Organic Chemistry, 1999, 64, 2982-2983.	1.7	108
8	Syntheses of four d- and l-hexoses via diastereoselective and enantioselective dihydroxylation reactions. Carbohydrate Research, 2000, 328, 17-36.	1.1	108
9	De Novo Asymmetric Synthesis of the Anthrax Tetrasaccharide by a Palladium-Catalyzed Glycosylation Reaction. Angewandte Chemie - International Edition, 2007, 46, 5206-5208.	7.2	107
10	A Direct Comparison of the Anticancer Activities of Digitoxin MeON-Neoglycosides and O-Glycosides. ACS Medicinal Chemistry Letters, 2010, 1, 326-330.	1.3	104
11	A Stereoselective Synthesis of Digitoxin and Digitoxigen Mono- and Bisdigitoxoside from Digitoxigenin via a Palladium-Catalyzed Glycosylation. Organic Letters, 2006, 8, 4339-4342.	2.4	100
12	De Novo Asymmetric Synthesis ofd- andl-Swainsonine. Organic Letters, 2006, 8, 1609-1612.	2.4	96
13	De Novo Asymmetric Synthesis of All-<scp>d</scp>-, All-<scp>l</scp>-, and <scp>d</scp>-/<scp>l</scp>-Oligosaccharides Using Atom-less Protecting Groups. Journal of the American Chemical Society, 2012, 134, 11952-11955.	6.6	88
14	De Novo Synthesis of the Trisaccharide Subunit of Landomycins A and E. Organic Letters, 2008, 10, 2283-2286.	2.4	82
15	Digitoxin and a synthetic monosaccharide analog inhibit cell viability in lung cancer cells. Toxicology and Applied Pharmacology, 2012, 258, 51-60.	1.3	79
16	Synthesis of 7-oxa-phomopsolide E and its C-4 epimer. Tetrahedron Letters, 2004, 45, 1005-1009.	0.7	78
17	Sharpless Asymmetric Dihydroxylation of 5-Aryl-2-vinylfurans:â€‰ Application to the Synthesis of the Spiroketal Moiety of Papulacandin D. Organic Letters, 2000, 2, 863-866.	2.4	76
18	De Novo Enantioselective Syntheses ofGalacto-Sugars and Deoxy Sugars via the Iterative Dihydroxylation of Dienoate. Organic Letters, 2005, 7, 745-748.	2.4	75

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19	De Novo Asymmetric Synthesis of Anthrax Tetrasaccharide and Related Tetrasaccharide. Journal of Organic Chemistry, 2008, 73, 5211-5220.	1.7	74
20	Denovo asymmetric synthesis of the mezzettiaside family of natural products via the iterative use of a dual B-/Pd-catalyzed glycosylation. Chemical Science, 2014, 5, 2230-2234.	3.7	74
21	De Novo Asymmetric Synthesis of Daumone via a Palladium-Catalyzed Glycosylation. Organic Letters, 2005, 7, 3921-3924.	2.4	72
22	Stereochemical Survey of Digitoxin Monosaccharides. ACS Medicinal Chemistry Letters, 2011, 2, 73-78.	1.3	67
23	Enantioselective Syntheses of Cryptocarya Triacetate, Cryptocaryolone, and Cryptocaryolone Diacetate. Organic Letters, 2003, 5, 1959-1962.	2.4	63
24	Total Synthesis of Jadomycinâ€...A and a Carbasugar Analogue of Jadomycinâ€...B. Angewandte Chemie - International Edition, 2010, 49, 9492-9495.	7.2	62
25	Synthesis and Evaluation of the Î±-<scp>d</scp>-Î±-<scp>l</scp>-Rhamnosyl and Amicetosyl Digitoxigenin Oligomers as Antitumor Agents. ACS Medicinal Chemistry Letters, 2011, 2, 264-269.	1.3	62
26	An Enantioselective Synthesis of Cryptocarya Diacetate. Organic Letters, 2001, 3, 2777-2780.	2.4	60
27	Enantioselective Synthesis of the Papulacandin Ring System:â€‰ Conversion of the Mannose Diastereoisomer into a Glucose Stereoisomer. Organic Letters, 2000, 2, 4033-4036.	2.4	59
28	De Novo Asymmetric Syntheses of SL0101 and Its Analogues via a Palladium-Catalyzed Glycosylation. Organic Letters, 2006, 8, 5149-5152.	2.4	59
29	An Enantioselective Synthesis of Benzylidene-Protected syn-3,5-Dihydroxy Carboxylate Esters via Osmium, Palladium, and Base Catalysis. Organic Letters, 2001, 3, 1049-1052.	2.4	58
30	C5â€²-Alkyl Substitution Effects on Digitoxigenin Î±-<scp>l</scp>-Glycoside Cancer Cytotoxicity. ACS Medicinal Chemistry Letters, 2011, 2, 259-263.	1.3	58
31	De Novo Formal Synthesis of (â^')-Apicularen A via an Iterative Asymmetric Hydration Sequence. Organic Letters, 2006, 8, 6087-6090.	2.4	57
32	De Novo Asymmetric Synthesis of 8a-epi-Swainsonine. Journal of Organic Chemistry, 2008, 73, 1935-1940.	1.7	56
33	Total Synthesis of Tetrahydrolipstatin and Stereoisomers via a Highly Regio- and Diastereoselective Carbonylation of Epoxyhomoallylic Alcohols. Journal of the American Chemical Society, 2014, 136, 10814-10820.	6.6	55
34	Enantioselective Syntheses of Isoaltholactone, 3-epi-Altholactone, and 5-Hydroxygoniothalamin. Organic Letters, 2000, 2, 2983-2986.	2.4	54
35	The De Novo Synthesis of Oligosaccharides: Application to the Medicinal Chemistry SAR-Study of Digitoxin. Current Topics in Medicinal Chemistry, 2008, 8, 114-125.	1.0	54
36	De Novo Asymmetric Synthesis of an Î±-6-Deoxyaltropyranoside as Well as its 2-/3-Deoxy and 2,3-Dideoxy Congeners. Journal of Organic Chemistry, 2009, 74, 5961-5966.	1.7	53

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37	Palladiumâ€Catalyzed Glycosylation Reaction:Deâ€NovoSynthesis of Trehalose Analogues. Journal of Carbohydrate Chemistry, 2005, 24, 169-177.	0.4	52
38	Development of a RSK Inhibitor as a Novel Therapy for Triple-Negative Breast Cancer. Molecular Cancer Therapeutics, 2016, 15, 2598-2608.	1.9	52
39	An olefination approach to the enantioselective syntheses of several styryllactones. Tetrahedron, 2001, 57, 5161-5171.	1.0	51
40	Modulators of Na/K-ATPase: a patent review. Expert Opinion on Therapeutic Patents, 2012, 22, 587-605.	2.4	49
41	An Enantioselective Synthesis of Tarchonanthuslactone. Journal of Organic Chemistry, 2002, 67, 2682-2685.	1.7	48
42	Synthesisâ€‰ofâ€‰Carbasugarâ€‰C-1â€‰Phosphatesâ€‰via Pd-Catalyzedâ€‰Cyclopropanolâ€‰Ringâ€‰Opening. Org Letters, 2008, 10, 3381-3384.	2.4	48
43	De Novo Asymmetric Synthesis of Cladospolide Bâ€'D: Structural Reassignment of Cladospolide D via the Synthesis of its Enantiomer. Organic Letters, 2009, 11, 1107-1110.	2.4	48
44	Total Synthesis of Fostriecin: Via a Regio- and Stereoselective Polyene Hydration, Oxidation, and Hydroboration Sequence. Organic Letters, 2010, 12, 3752-3755.	2.4	48
45	Asymmetric Aminohydroxylation of Vinylfuran. Journal of Organic Chemistry, 1999, 64, 2984-2985.	1.7	47
46	De Novo Asymmetric Synthesis of Homoadenosine via a Palladium-CatalyzedN-Glycosylation. Organic Letters, 2006, 8, 293-296.	2.4	47
47	Cryptocaryols A and B: Total Syntheses, Stereochemical Revision, Structure Elucidation, and Structureâ€“Activity Relationship. Journal of the American Chemical Society, 2013, 135, 9334-9337.	6.6	47
48	An enantioselective synthesis of phomopsolide D. Tetrahedron Letters, 2004, 45, 6407-6411.	0.7	46
49	De novo asymmetric syntheses of d-, l- and 8-epi-d-swainsonine. Tetrahedron, 2008, 64, 304-313.	1.0	46
50	Hydrogen-Bond Networks: Strengths of Different Types of Hydrogen Bonds and An Alternative to the Low Barrier Hydrogen-Bond Proposal. Journal of the American Chemical Society, 2013, 135, 17919-17924.	6.6	46
51	Enantioselective Synthesis ofN-Cbz-Protected 6-Amino-6-deoxymannose, -talose, and -gulose. Organic Letters, 2001, 3, 3899-3902.	2.4	45
52	Synthetic Studies toward Mannopeptimycin-E:â€‰ Synthesis of theO-Linked Tyrosine 1,4-Î±,Î±-manno,manno-Pyranosyl Pyranoside. Organic Letters, 2006, 8, 1605-1608.	2.4	44
53	Synthesis of SL0101 Carbasugar Analogues: Carbasugars via Pd-Catalyzed Cyclitolization and Post-Cyclitolization Transformations. Organic Letters, 2010, 12, 2986-2989.	2.4	44
54	Enantioselective synthesis of 5-substituted Î±,Î²-unsaturated Î´-lactones: application to the synthesis of styryllactones. Tetrahedron Letters, 2000, 41, 183-187.	0.7	43

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55	De Novo Asymmetric Synthesis of Anamarine and Its Analogues. Journal of Organic Chemistry, 2005, 70, 9932-9939.	1.7	43
56	Synthesis of Several Cleistrioside and Cleistetroside Natural Products via a Divergent De Novo Asymmetric Approach. Organic Letters, 2010, 12, 5466-5469.	2.4	42
57	De novo synthesis of a galacto-papulacandin moiety via an iterative dihydroxylation strategy. Tetrahedron Letters, 2005, 46, 4151-4155.	0.7	41
58	Remote steric effect on the regioselectivity of Sharpless asymmetric dihydroxylation. Tetrahedron, 2005, 61, 6337-6351.	1.0	41
59	Enantioselective Synthesis of 10-epi-Anamarine via an Iterative Dihydroxylation Sequence. Organic Letters, 2005, 7, 1069-1072.	2.4	41
60	De Novo Asymmetric Synthesis and Biological Evaluation of the Trisaccharide Portion of PI-080 and Vineomycin B2. Organic Letters, 2008, 10, 4529-4532.	2.4	41
61	Enantioselective Syntheses of Colletodiol, Colletol, and Grahamimycin A. Organic Letters, 2002, 4, 4447-4450.	2.4	40
62	Monosaccharide digitoxin derivative sensitize human non-small cell lung cancer cells to anoikis through Mcl-1 proteasomal degradation. Biochemical Pharmacology, 2014, 88, 23-35.	2.0	40
63	Digitoxin Analogues with Improved Anticytomegalovirus Activity. ACS Medicinal Chemistry Letters, 2014, 5, 395-399.	1.3	40
64	Merremoside D: De Novo Synthesis of the Purported Structure, NMR Analysis, and Comparison of Spectral Data. Organic Letters, 2014, 16, 492-495.	2.4	38
65	De novo asymmetric synthesis of the pyranoses. Advances in Carbohydrate Chemistry and Biochemistry, 2013, 69, 55-123.	0.4	37
66	Formal Total Synthesis of RK-397 via an Asymmetric Hydration and Iterative Allylation Strategy. Organic Letters, 2008, 10, 3149-3152.	2.4	36
67	A De Novo Approach to the Synthesis of Glycosylated Methymycin Analogues with Structural and Stereochemical Diversity. Organic Letters, 2010, 12, 5150-5153.	2.4	36
68	De novo asymmetric syntheses of (+)-goniothalamin, (+)-goniothalamin oxide, and 7,8-bis-epi-goniothalamin using asymmetric allylations. Tetrahedron, 2009, 65, 5051-5055.	1.0	35
69	Biosynthesis and Total Synthesis Studies on the Jadomycin Family of Natural Products. European Journal of Organic Chemistry, 2012, 2012, 2095-2108.	1.2	35
70	De novo synthesis of natural products via the asymmetric hydration of polyenes. Chemical Communications, 2011, 47, 8493.	2.2	33
71	De novo synthesis of deoxy sugar via a Wharton rearrangement. Chemical Communications, 2011, 47, 10251.	2.2	33
72	Efficient synthesis of 5-aryl-2-vinylfurans by palladium catalyzed cross-coupling strategies. Tetrahedron Letters, 1999, 40, 4769-4773.	0.7	32

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73	De Novo Asymmetric Syntheses of Muricatacin and Its Analogues via Dihydroxylation of Dienoates. Journal of Organic Chemistry, 2006, 71, 6686-6689.	1.7	32
74	De Novo Asymmetric Synthesis of Milbemycin Î²3 via an Iterative Asymmetric Hydration Approach. Organic Letters, 2006, 8, 3987-3990.	2.4	32
75	Mechanistic Analysis of Double Hydrogen Dyotropy in syn-Sesquinorbornene Disulfones. A Combined Kinetic and Theoretical Evaluation of Primary Deuterium Isotope Effects. Journal of the American Chemical Society, 1994, 116, 10895-10913.	6.6	31
76	Enzymatic incorporation of orthogonally reactive prenylazide groups into peptides using geranylazide diphosphate via protein farnesyltransferase: Implications for selective protein labeling. Biopolymers, 2005, 80, 164-171.	1.2	31
77	De novo asymmetric syntheses of C-4-substituted sugars via an iterative dihydroxylation strategy. Carbohydrate Research, 2006, 341, 1505-1521.	1.1	31
78	Isodicyclopentadienes and related molecules. 58. Structural analysis of a camphor-derived cyclopentadienyllithium compound by NMR and MNDO. A ternary equilibrium in tetrahydrofuran. Journal of the American Chemical Society, 1991, 113, 7093-7100.	6.6	30
79	De Novo Synthesis of 2-Substitutedsyn-1,3-Diols via an Iterative Asymmetric Hydration Strategy. Journal of Organic Chemistry, 2006, 71, 7741-7746.	1.7	30
80	Synthesis and Structureâ€“Activity Relationship Study of 5a-Carbasugar Analogues of SL0101. ACS Medicinal Chemistry Letters, 2015, 6, 95-99.	1.3	30
81	De Novo Asymmetric Syntheses ofd- andl-Talose via an Iterative Dihydroxylation of Dienoates. Journal of Organic Chemistry, 2005, 70, 10576-10578.	1.7	29
82	De Novo Asymmetric Synthesis of Fridamycin E. Organic Letters, 2011, 13, 6592-6595.	2.4	29
83	Synthesis of Aza-Analogues of the Glycosylated Tyrosine Portion of Mannopeptimycin-E. Journal of Organic Chemistry, 2007, 72, 4966-4969.	1.7	28
84	Nigericin decreases the viability of multidrug-resistant cancer cells and lung tumorspheres and potentiates the effects of cardiac glycosides. Tumor Biology, 2017, 39, 101042831769431.	0.8	28
85	C3â€²/C4â€²â€Stereochemical Effects of Digitoxigenin Î±â€<scp>L</scp>â€Î±â€<scp>D</scp>â€Glycoside in Cancer Cytotoxicity. ChemMedChem, 2013, 8, 63-69.	1.6	27
86	Intramolecular reaction rate is not determined exclusively by the distance separating reaction centers. The kinetic consequences of modulated ground state strain on dyotropic hydrogen migration in systems of very similar geometric disposition. Journal of the American Chemical Society, 1991, 113, 7761-7762.	6.6	26
87	De Novo Asymmetric Synthesis of Phoracantholide J. Organic Letters, 2016, 18, 4970-4973.	2.4	26
88	Autophagyâ€Induced Apoptosis in Lung Cancer Cells by a Novel Digitoxin Analog. Journal of Cellular Physiology, 2016, 231, 817-828.	2.0	26
89	Stereoselective Synthesis and Evaluation of C6â€³-Substituted 5a-Carbasugar Analogues of SL0101 as Inhibitors of RSK1/2. Organic Letters, 2017, 19, 2410-2413.	2.4	26
90	De novo synthesis of galacto-sugar Î´-lactones via a catalytic osmium/palladium/osmium reaction sequence. Tetrahedron Letters, 2005, 46, 3015-3019.	0.7	25

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91	Structureâ€“Activity Relationship Study of the Cleistriosides and Cleistetrosides for Antibacterial/Anticancer Activity. ACS Medicinal Chemistry Letters, 2012, 3, 1086-1090.	1.3	25
92	Improving the Affinity of SL0101 for RSK Using Structure-Based Design. ACS Medicinal Chemistry Letters, 2013, 4, 175-179.	1.3	25
93	Characterization of Tetrahydrolipstatin and Stereoderivatives on the Inhibition of Essential Mycobacterium tuberculosis Lipid Esterases. Biochemistry, 2018, 57, 2383-2393.	1.2	25
94	Convergent de novo synthesis of vineomycinone B2 methyl ester. Chemical Communications, 2013, 49, 6806.	2.2	24
95	An enantioselective total synthesis of phomopsolide C. Tetrahedron Letters, 2002, 43, 8195-8199.	0.7	23
96	Metabolite Induction of Caenorhabditis elegans Dauer Larvae Arises via Transport in the Pharynx. ACS Chemical Biology, 2008, 3, 294-304.	1.6	23
97	De Novo Synthesis in Carbohydrate Chemistry: From Furans to Monosaccharides and Oligosaccharides. ACS Symposium Series, 2008, , 3-28.	0.5	23
98	Cryptocaryol Structureâ€“Activity Relationship Study of Cancer Cell Cytotoxicity and Ability to Stabilize PDCD4. ACS Medicinal Chemistry Letters, 2014, 5, 522-526.	1.3	23
99	De Novo Formal Synthesis of (â^')-Virginiamycin M2 via the Asymmetric Hydration of Dienoates. Organic Letters, 2007, 9, 3105-3108.	2.4	22
100	De Novo Synthesis and Biological Evaluation of C6â€³-Substituted C4â€³-Amide Analogues of SL0101. Organic Letters, 2014, 16, 5996-5999.	2.4	20
101	Stereochemical Structure Activity Relationship Studies (S-SAR) of Tetrahydrolipstatin. ACS Medicinal Chemistry Letters, 2018, 9, 274-278.	1.3	20
102	Isodicyclopentadienes and related molecules. Part 54. Stereoselective access to the three diisodicyclopentadienyltitanium dichlorides. Organometallics, 1991, 10, 2082-2083.	1.1	19
103	De Novo Asymmetric Approach to 8a-epi-Swainsonine. Heterocycles, 2009, 79, 521.	0.4	19
104	Roles of the Synergistic Reductive O-Methyltransferase GilM and of O-Methyltransferase GilMT in the Gilvocarcin Biosynthetic Pathway. Journal of the American Chemical Society, 2012, 134, 12402-12405.	6.6	18
105	A Novel Use of Gentamicin in the ROS-Mediated Sensitization of NCI-H460 Lung Cancer Cells to Various Anticancer Agents. ACS Chemical Biology, 2013, 8, 2771-2777.	1.6	17
106	The Asymmetric Synthesis of Tetrahydrolipstatin. Asian Journal of Organic Chemistry, 2015, 4, 994-1009.	1.3	17
107	Conformational states of the pig kidney Na+/K+-ATPase differently affect bufadienolides and cardenolides: A directed structure-activity and structure-kinetics study. Biochemical Pharmacology, 2020, 171, 113679.	2.0	17
108	De Novo Asymmetric Synthesis of (+)-Monanchorin. Organic Letters, 2015, 17, 5280-5283.	2.4	16

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109	Consequences of Modulated Precompression along Reaction Coordinates. Synthesis, Crystallographic Structural Studies, and Rate of Intramolecular Dyotropy in an Extended Series of syn-Sesquinorbornene Disulfones. Journal of the American Chemical Society, 1994, 116, 10883-10894.	6.6	15
110	Digitoxin and its synthetic analog MonoD have potent antiproliferative effects on lung cancer cells and potentiate the effects of hydroxyurea and paclitaxel. Oncology Reports, 2016, 35, 878-886.	1.2	15
111	De novo asymmetric synthesis and biological analysis of the daumone pheromones in Caenorhabditis elegans and in the soybean cyst nematode Heterodera glycines. Tetrahedron, 2016, 72, 2280-2286.	1.0	15
112	Chapter 8 Achmatowicz approach to 5,6-dihydro-2H-pyran-2-one containing natural products. Strategies and Tactics in Organic Synthesis, 2004, 5, 221-253.	0.1	14
113	Anti-tumorigenic effects of a novel digitoxin derivative on both estrogen receptorâ€“positive and triple-negative breast cancer cells. Tumor Biology, 2017, 39, 101042831770533.	0.8	14
114	A General Approach to Anionic Acid-Labile Surfactants with Tunable Properties. Journal of Organic Chemistry, 2010, 75, 6149-6153.	1.7	13
115	De novo asymmetric synthesis of rhamno di- and tri-saccharides related to the anthrax tetrasaccharide. Tetrahedron, 2013, 69, 3432-3436.	1.0	13
116	Structure activity relationship study of mezzettiasides natural products and their four new disaccharide analogues for anticancer/antibacterial activity. MedChemComm, 2014, 5, 1138-1142.	3.5	13
117	RSK2 Maintains Adult Estrogen Homeostasis by Inhibiting ERK1/2-Mediated Degradation of Estrogen Receptor Alpha. Cell Reports, 2020, 32, 107931.	2.9	13
118	New strategies and structural considerations in development of therapeutics for carbapenem-resistant Enterobacteriaceae. Translational Research, 2020, 220, 14-32.	2.2	13
119	Isodicyclopentadienes and related molecules. 48. Stereochemically uniform mode of iron carbonyl complexation to spirocyclic isodicyclopentadienes. Organometallics, 1989, 8, 2167-2172.	1.1	12
120	Flexible Acyclic Polyol-Chloride Anion Complexes and Their Characterization by Photoelectron Spectroscopy and Variable Temperature Binding Constant Determinations. Journal of Physical Chemistry A, 2016, 120, 1661-1668.	1.1	12
121	Regioselective Synthesis of a C-4â€²â€² Carbamate,C-6â€²â€² n-Pr Substituted Cyclitol Analogue of SL0101. Organic Letters, 2020, 22, 1448-1452.	2.4	12
122	De Novo Asymmetric Approach to the Disaccharide Portion of SCH-47554. Heterocycles, 2010, 82, 1577.	0.4	12
123	Application of the Wharton Rearrangement for the de novo Synthesis of Pyranosides with ido, manno, and colito Stereochemistry. European Journal of Organic Chemistry, 2013, 2013, 3067-3075.	1.2	11
124	Site-Specific Reversible Protein and Peptide Modification: Transglutaminase-Catalyzed Glutamine Conjugation and Bioorthogonal Light-Mediated Removal. Bioconjugate Chemistry, 2019, 30, 1617-1621.	1.8	11
125	De Novo Asymmetric Approaches to 2-Amino-N-(benzyloxycarbonyl)-1-(2â€™-furyl)ethanol and 2-Amino-N-(tert-butoxycarbonyl)-1-(2â€™-furyl)ethanol. Heterocycles, 2008, 76, 1549.	0.4	11
126	Synthesis of Cyclitols via Cyclopropanation/Palladium-Catalyzed Ring Opening. Synthesis, 2008, 2008, 3171-3179.	1.2	10

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127	Gold- and Silver-Catalyzed Glycosylation with Pyranone Glycosyl Donors: An Efficient and Diastereoselective Synthesis of Î±-Anomers. Synlett, 2015, 26, 1683-1686.	1.0	10
128	De NovoAsymmetric Synthesis of Avocadyne, Avocadene, and Avocadane Stereoisomers. Journal of Organic Chemistry, 2019, 84, 15718-15725.	1.7	10
129	Synthesis and Biological Evaluation of 4â€²-Substituted Kaempfer-3-ols. Journal of Organic Chemistry, 2020, 85, 4279-4288.	1.7	10
130	De Novo Asymmetric Synthesis of a 6-O-Methyl-<scp>d</scp>-glycero-<scp>l</scp>-gluco-heptopyranose-Derived Thioglycoside for the Preparation of Campylobacter jejuni NCTC11168 Capsular Polysaccharide Fragments. Journal of Organic Chemistry, 2016, 81, 3058-3063.	1.7	9
131	Regioselective Bromination: An Approach to the D-Ring of the Gilvocarcins. Heterocycles, 2014, 88, 1275.	0.4	8
132	The asymmetric syntheses of cryptocaryols A and B. Chemical Communications, 2018, 54, 3428-3435.	2.2	8
133	Asymmetric Iterative Hydration of Polyene Strategy to Cryptocaryols A and B. Synthesis, 2016, 48, 1700-1710.	1.2	7
134	De novo asymmetric synthesis of (â^')-nanaomycin A. Tetrahedron, 2018, 74, 4994-4999.	1.0	7
135	The affinity of RSK for cylitol analogues of SL0101 is critically dependent on the B-ring C-4â€²-hydroxy. Chemical Communications, 2020, 56, 3058-3060.	2.2	7
136	Silylated organometals: a family of recyclable homogeneous catalysts. Green Chemistry, 2015, 17, 1473-1478.	4.6	6
137	Asymmetric synthesis of 7-aza-phomopsolide E and its C-4 epimer. Tetrahedron, 2018, 74, 7121-7126.	1.0	6
138	Synthesis and biological study of the phomopsolide and phomopsolidone natural products. Chemical Communications, 2020, 56, 12885-12896.	2.2	6
139	Functional Characterization of Structural Genomics Proteins in the Crotonase Superfamily. ACS Chemical Biology, 2022, 17, 395-403.	1.6	6
140	A De Novo Asymmetric Approach to Achiral Deoxy-Melodorinol Analogues. Heterocycles, 2006, 70, 223.	0.4	5
141	Approach to the synthesis of the C1â€“C11 and C14â€“C18 portion of Leucascandrolide A. Organic Chemistry Frontiers, 2016, 3, 1120-1125.	2.3	5
142	Synthesis of Dehydro-Dephospho-Fostriecin and Formal Total Synthesis of Fostriecin. Organic Letters, 2019, 21, 8334-8338.	2.4	5
143	Potential antitumor activity of digitoxin and user-designed analog administered to human lung cancer cells. Biochimica Et Biophysica Acta - General Subjects, 2020, 1864, 129683.	1.1	5
144	Structureâ€“activity relationship of avocadyne. Food and Function, 2021, 12, 6323-6333.	2.1	5

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145	A De Novo Asymmetric Synthesis of Phomopsolide E: A Practical Conversion from Phomopsolide D. Heterocycles, 2019, 99, 1217.	0.4	5
146	Identifying requirements for RSK2 specific inhibitors. Journal of Enzyme Inhibition and Medicinal Chemistry, 2021, 36, 1798-1809.	2.5	4
147	Facial Selectivity of the Sharpless Bromine Catalyzed Aziridination. Heterocycles, 2004, 62, 635.	0.4	4
148	Structure Investigations of (ent)-Cladospolide D by De Novo Synthesis and Kinetic and Thermodynamic Isomerization. Synthesis, 2009, 2009, 2847-2854.	1.2	3
149	Polyfluoroalkylation of Carbonyl Compounds by Polyfluoroalkyl Anions Generated from Polyfluorcarboxamides. Heterocycles, 2014, 88, 1201.	0.4	3
150	Total and formal syntheses of fostriecin. Organic Chemistry Frontiers, 2020, 7, 3608-3615.	2.3	3
151	Cytotoxic effect of carbohydrate derivatives of digitoxigenin involves modulation of plasma membrane Ca 2+ â€ATPase. Journal of Cellular Biochemistry, 2021, 122, 1903-1914.	1.2	3
152	A Diastereoselective Silver(I) Promoted gem-Dibromocyclopropane Ring Opening Reaction via an Anchimeric Assisted Transannular Benzoate Migration. Heterocycles, 2006, 67, 721.	0.4	3
153	A Stereoselective Synthesis of Digitoxin and Digitoxigen Mono- and Bisdigitoxoside from Digitoxigenin via a Palladium-Catalyzed Glycosylation. Organic Letters, 2006, 8, 5677-5677.	2.4	2
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