

Stephen F Martin

List of Publications by Year in descending order

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270
papers

15,239
citations

18436

62
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104
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310
all docs

310
docs citations

310
times ranked

8921
citing authors

#	ARTICLE	IF	CITATIONS
1	Synthesis of Oxygen- and Nitrogen-Containing Heterocycles by Ring-Closing Metathesis. <i>Chemical Reviews</i> , 2004, 104, 2199-2238.	23.0	1,275
2	Applications of Multicomponent Reactions to the Synthesis of Diverse Heterocyclic Scaffolds. <i>Chemistry - A European Journal</i> , 2009, 15, 1300-1308.	1.7	665
3	Methodology for the construction of quaternary carbon centers. <i>Tetrahedron</i> , 1980, 36, 419-460.	1.0	380
4	Efficacious modification of the Mitsunobu reaction for inversions of sterically hindered secondary alcohols. <i>Tetrahedron Letters</i> , 1991, 32, 3017-3020.	0.7	355
5	Evolution of the Vinylogous Mannich Reaction as a Key Construction for Alkaloid Synthesis. <i>Accounts of Chemical Research</i> , 2002, 35, 895-904.	7.6	239
6	Identification of the gene that codes for the 5-HT_2 receptor. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017, 114, 7160-7165.	3.3	224
7	Vinylogous Mannich reactions: selectivity and synthetic utility. <i>Tetrahedron</i> , 2001, 57, 3221-3242.	1.0	219
8	Synthesis and Properties of Cyclopropane-Derived Peptidomimetics. <i>Accounts of Chemical Research</i> , 2006, 39, 433-442.	7.6	207
9	Enantioselective Total Syntheses of Manzamine A and Related Alkaloids. <i>Journal of the American Chemical Society</i> , 2002, 124, 8584-8592.	6.6	192
10	High enantioselectivity in the intramolecular cyclopropanation of allyl diazoacetates using a novel rhodium(II) catalyst. <i>Journal of the American Chemical Society</i> , 1991, 113, 1423-1424.	6.6	191
11	Applications of Multicomponent Reactions for the Synthesis of Diverse Heterocyclic Scaffolds. <i>Organic Letters</i> , 2007, 9, 4223-4226.	2.4	171
12	Enantioselective Total Syntheses of Ircinal A and Related Manzamine Alkaloids. <i>Journal of the American Chemical Society</i> , 1999, 121, 866-867.	6.6	168
13	Bifunctional Catalyst Promotes Highly Enantioselective Bromolactonizations To Generate Stereogenic C-Br Bonds. <i>Journal of the American Chemical Society</i> , 2012, 134, 11128-11131.	6.6	164
14	Biogenetically Inspired Approach to the Strychnos Alkaloids. Concise Syntheses of $(\hat{A}\pm)$ -Akuammicine and $(\hat{A}\pm)$ -Strychnine. <i>Journal of the American Chemical Society</i> , 2001, 123, 8003-8010.	6.6	144
15	Recent applications of imines as key intermediates in the synthesis of alkaloids and novel nitrogen heterocycles. <i>Pure and Applied Chemistry</i> , 2009, 81, 195-204.	0.9	129
16	General strategies for the synthesis of indole alkaloids. Total synthesis of $(+/-)$ -reserpine and $(+/-)$ - α -yohimbine. <i>Journal of the American Chemical Society</i> , 1987, 109, 6124-6134.	6.6	121
17	Thermodynamic and Structural Effects of Conformational Constraints in Protein-Ligand Interactions. Entropic Paradoxy Associated with Ligand Preorganization. <i>Journal of the American Chemical Society</i> , 2009, 131, 16758-16770.	6.6	120
18	Biomimetic Entry to the Sarpagan Family of Indole Alkaloids: Total Synthesis of $(+)$ -Geissoschizine and $(+)$ -N-Methylvellosimine. <i>Journal of the American Chemical Society</i> , 2003, 125, 4541-4550.	6.6	118

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19	Synthesis of Aldehydes, Ketones, and Carboxylic Acids from Lower Carbonyl Compounds by C-C Coupling Reactions. <i>Synthesis</i> , 1979, 1979, 633-665.	1.2	117
20	Synthesis of Bridged Azabicyclic Structures via Ring-Closing Olefin Metathesis. <i>Journal of Organic Chemistry</i> , 2003, 68, 8867-8878.	1.7	116
21	Ring-closing olefin meta thesis for the synthesis of fused nitrogen heterocycles. <i>Tetrahedron</i> , 1996, 52, 7251-7264.	1.0	109
22	An Enantioselective Total Synthesis of (+)-Geissoschizine. <i>Organic Letters</i> , 1999, 1, 79-82.	2.4	103
23	Application of Ring-Closing Metathesis to the Formal Total Synthesis of (+)-FR900482. <i>Journal of the American Chemical Society</i> , 2000, 122, 10781-10787.	6.6	102
24	General Strategy for the Syntheses of Corynanthe, Tacaman, and Oxindole Alkaloids. <i>Journal of Organic Chemistry</i> , 2006, 71, 6547-6561.	1.7	102
25	A novel approach to the asymmetric synthesis of manzamine A. Construction of the tetracyclic ABCE ring system. <i>Tetrahedron Letters</i> , 1994, 35, 691-694.	0.7	100
26	Carbonylative Cross-Coupling of <i>ortho</i> -Disubstituted Aryl Iodides. Convenient Synthesis of Sterically Hindered Aryl Ketones. <i>Organic Letters</i> , 2008, 10, 5301-5304.	2.4	99
27	Applications of Vinylogous Mannich Reactions. Concise Enantiospecific Total Syntheses of (+)-Croomine. <i>Journal of the American Chemical Society</i> , 1999, 121, 6990-6997.	6.6	97
28	Synthesis and Diversification of 1,2,3-Triazole-Fused 1,4-Benzodiazepine Scaffolds. <i>Organic Letters</i> , 2011, 13, 852-855.	2.4	96
29	Enantio- and Diastereoselectivity in the Intramolecular Cyclopropanation of Secondary Allylic Diazoacetates. <i>Journal of the American Chemical Society</i> , 1994, 116, 4493-4494.	6.6	95
30	Aspects of the intramolecular Diels-Alder reactions of some 1,3,9-trienic amides, amines, and esters. An approach to the pentacyclic skeleton of the yohimbooid alkaloids. <i>Journal of Organic Chemistry</i> , 1983, 48, 5170-5180.	1.7	94
31	Crystal Structure of Phospholipase C from <i>Bacillus cereus</i> Complexed with a Substrate Analog. <i>Journal of Molecular Biology</i> , 1993, 234, 179-187.	2.0	93
32	General Method for the Synthesis of Phospholipid Derivatives of 1,2-O-Diacyl- <i>sn</i> -Glycerols. <i>Journal of Organic Chemistry</i> , 1994, 59, 4805-4820.	1.7	93
33	Small molecule modulator of sigma 2 receptor is neuroprotective and reduces cognitive deficits and neuroinflammation in experimental models of Alzheimer's disease. <i>Journal of Neurochemistry</i> , 2017, 140, 561-575.	2.1	93
34	1,2,3-Trisubstituted cyclopropanes as conformationally restricted peptide isosteres: application to the design and synthesis of novel renin inhibitors. <i>Journal of Medicinal Chemistry</i> , 1992, 35, 1710-1721.	2.9	91
35	Highly selective enantiomer differentiation in intramolecular cyclopropanation reactions of racemic secondary allylic diazoacetates. <i>Journal of the American Chemical Society</i> , 1995, 117, 11021-11022.	6.6	88
36	Applications of Vinylogous Mannich Reactions. Total Syntheses of the Ergot Alkaloids Rugulovasines A and B and Setoclavine. <i>Journal of the American Chemical Society</i> , 2001, 123, 5918-5924.	6.6	88

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37	Enantioselective Total Synthesis of (â€²)-Citridin A and Revision of Its Stereochemical Structure. <i>Journal of the American Chemical Society</i> , 2013, 135, 10886-10889.	6.6	87
38	Application of Intramolecular Enyne Metathesis to the Synthesis of Aza[4.2.1]bicyclics:â€‰ Enantiospecific Total Synthesis of (+)-Anatoxin-a. <i>Organic Letters</i> , 2004, 6, 1329-1331.	2.4	86
39	Application of a Domino Intramolecular Enyne Metathesis/Cross Metathesis Reaction to the Total Synthesis of (+)-8-epi-Xanthatin. <i>Organic Letters</i> , 2005, 7, 4621-4623.	2.4	86
40	Sigma 2 Receptor/Tmem97 Agonists Produce Long Lasting Antineuropathic Pain Effects in Mice. <i>ACS Chemical Neuroscience</i> , 2017, 8, 1801-1811.	1.7	86
41	Unified strategy for synthesis of indole and 2-oxindole alkaloids. <i>Journal of the American Chemical Society</i> , 1991, 113, 6161-6171.	6.6	85
42	Calorimetric and Structural Studies of 1,2,3-Trisubstituted Cyclopropanes as Conformationally Constrained Peptide Inhibitors of Src SH2 Domain Binding. <i>Journal of the American Chemical Society</i> , 2002, 124, 205-215.	6.6	85
43	Vinylogous Mannich Reactions. The Asymmetric Total Synthesis of (+)-Croomine. <i>Journal of the American Chemical Society</i> , 1996, 118, 3299-3300.	6.6	83
44	Vinylogous Mannich reactions. Catalytic, asymmetric additions of triisopropylsilyloxyfurans to aldimines. <i>Tetrahedron Letters</i> , 1999, 40, 8949-8953.	0.7	81
45	General Strategies for the Synthesis of the Major Classes of C-Aryl Glycosides. <i>Journal of the American Chemical Society</i> , 2001, 123, 6937-6938.	6.6	81
46	C-Aryl Glycosides via Tandem Intramolecular Benzynesâ€²Furan Cycloadditions. Total Synthesis of Vineomycinone B2Methyl Ester. <i>Journal of the American Chemical Society</i> , 2006, 128, 13696-13697.	6.6	81
47	Synthesis of diverse heterocyclic scaffolds via tandem additions to imine derivatives and ring-forming reactions. <i>Tetrahedron</i> , 2009, 65, 6454-6469.	1.0	79
48	Direct, Stereoselective Substitution in [Rh(CO)2Cl]2-Catalyzed Allylic Alkylations of Unsymmetrical Substrates. <i>Organic Letters</i> , 2004, 6, 1321-1324.	2.4	76
49	Cyclopropanes as conformationally restricted peptide isosteres. Design and synthesis of novel collagenase inhibitors. <i>Tetrahedron</i> , 1993, 49, 3521-3532.	1.0	75
50	Thermodynamic and Structural Effects of Macrocyclic Constraints in Proteinâ€²Ligand Interactions. <i>ACS Medicinal Chemistry Letters</i> , 2010, 1, 448-452.	1.3	75
51	Novel route to fused nitrogen heterocycles by olefin metathesis. <i>Tetrahedron Letters</i> , 1994, 35, 6005-6008.	0.7	74
52	Enantioselective synthesis of (+)-anatoxin-a via enyne metathesis. <i>Tetrahedron</i> , 2004, 60, 7301-7314.	1.0	73
53	Total Synthesis of (+)-Ambruticin S. <i>Journal of the American Chemical Society</i> , 2001, 123, 12432-12433.	6.6	70
54	A concise strategy for the syntheses of indole alkaloids of the heteroyohimboïd and corynantheïd families. Total syntheses of (+)-tetrahydroalstonine, (+)-cathenamine and (+)-geissoschizine. <i>Journal of the American Chemical Society</i> , 1988, 110, 5925-5927.	6.6	69

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55	Altering protein specificity: techniques and applications. <i>Bioorganic and Medicinal Chemistry</i> , 2005, 13, 2701-2716.	1.4	69
56	Concise, Stereoselective Approach to the Spirooxindole Ring System of Citrinadin A. <i>Organic Letters</i> , 2007, 9, 4623-4626.	2.4	69
57	Enantioselective Iodolactonization of Disubstituted Olefinic Acids Using a Bifunctional Catalyst. <i>Organic Letters</i> , 2012, 14, 6290-6293.	2.4	68
58	Application of nitrile oxide cycloadditions to a convergent, asymmetric synthesis of (+)-phyllanthocin. <i>Journal of Organic Chemistry</i> , 1989, 54, 2209-2216.	1.7	67
59	Improved E-Selectivity in the Wittig Reaction of Stabilized Ylides with α -Alkoxyaldehydes and Sugar Lactols. <i>Organic Letters</i> , 2001, 3, 3591-3593.	2.4	67
60	Ligand Preorganization May Be Accompanied by Entropic Penalties in Protein-Ligand Interactions. <i>Angewandte Chemie - International Edition</i> , 2006, 45, 6830-6835.	7.2	67
61	Total Synthesis of Isokidamycin. <i>Journal of the American Chemical Society</i> , 2010, 132, 15528-15530.	6.6	65
62	Enantioselective Total Syntheses of Citrinadins A and B. Stereochemical Revision of Their Assigned Structures. <i>Journal of the American Chemical Society</i> , 2014, 136, 14184-14192.	6.6	65
63	A general method for the synthesis of 1,1-difluoroalkylphosphonates. <i>Tetrahedron Letters</i> , 1992, 33, 1839-1842.	0.7	64
64	Pd-Catalyzed Ring Opening of Oxa- and Azabicyclic Alkenes with Aryl and Vinyl Halides: An Efficient Entry to 2-Substituted 1,2-Dihydro-1-naphthols and 2-Substituted 1-Naphthols. <i>Journal of Organic Chemistry</i> , 2006, 71, 4810-4817.	1.7	64
65	Synthesis of (\pm)-Actinophyllic Acid and Analogs: Applications of Cascade Reactions and Diverted Total Synthesis. <i>Journal of the American Chemical Society</i> , 2013, 135, 12984-12986.	6.6	64
66	Correlating Structure and Energetics in Protein-Ligand Interactions: Paradigms and Paradoxes. <i>Annual Review of Biochemistry</i> , 2013, 82, 267-293.	5.0	64
67	Enantioselective Syntheses of Tremulenediol A and Tremulenolide A. <i>Organic Letters</i> , 2005, 7, 4535-4537.	2.4	63
68	Regioselective Synthesis of Unsymmetrical C-Aryl Glycosides Using Silicon Tethers as Disposable Linkers. <i>Journal of the American Chemical Society</i> , 2003, 125, 12994-12995.	6.6	62
69	Total syntheses of (+)-crinine and (+)-buphanisine. <i>Journal of Organic Chemistry</i> , 1988, 53, 3184-3190.	1.7	61
70	Applications of Vinylogous Mannich Reactions. Asymmetric Synthesis of the Heteroyohimboid Alkaloids (-)-Ajmalicine, (+)-19-epi-Ajmalicine, and (-)-Tetrahydroalstonine. <i>Journal of Organic Chemistry</i> , 1995, 60, 3236-3242.	1.7	61
71	Cyclopropane-Derived Peptidomimetics. Design, Synthesis, and Evaluation of Novel Enkephalin Analogues. <i>Journal of Organic Chemistry</i> , 2000, 65, 1305-1318.	1.7	61
72	Design, Synthesis, and Evaluation of Phospholipid Analogs as Inhibitors of the Bacterial Phospholipase C from <i>Bacillus cereus</i> . <i>Journal of Organic Chemistry</i> , 1994, 59, 4821-4831.	1.7	60

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73	A novel approach to FR-900482 via ring forming metathesis. <i>Tetrahedron Letters</i> , 1995, 36, 1169-1170.	0.7	60
74	A Biomimetic Approach to the Strychnos Alkaloids. A Novel, Concise Synthesis of (±)-Akuammicine and a Route to (±)-Strychnine. <i>Journal of the American Chemical Society</i> , 1996, 118, 9804-9805.	6.6	59
75	Determination of the Kinetic Parameters for Phospholipase C (<i>Bacillus cereus</i>) on Different Phospholipid Substrates Using a Chromogenic Assay Based on the Quantitation of Inorganic Phosphate. <i>Analytical Biochemistry</i> , 1997, 251, 45-49.	1.1	59
76	The furan approach to oxygenated natural products. Total synthesis of (+)-KDO. <i>Journal of Organic Chemistry</i> , 1991, 56, 6600-6606.	1.7	58
77	Total Synthesis of Cribrostatin 6. <i>Angewandte Chemie - International Edition</i> , 2009, 48, 2569-2571.	7.2	58
78	Total synthesis of (+)-ambruticin S. <i>Tetrahedron</i> , 2003, 59, 6819-6832.	1.0	56
79	Concise Formal Synthesis of (±)-Peduncularine via Ring-Closing Metathesis. <i>Organic Letters</i> , 2003, 5, 3523-3525.	2.4	56
80	Enantioselective Synthesis of (+)-Isolysergol via Ring-Closing Metathesis. <i>Organic Letters</i> , 2010, 12, 2610-2613.	2.4	56
81	Application of a Sequential Multicomponent Assembly Process/Huisgen Cycloaddition Strategy to the Preparation of Libraries of 1,2,3-Triazole-Fused 1,4-Benzodiazepines. <i>ACS Combinatorial Science</i> , 2012, 14, 135-143.	3.8	56
82	Regiochemistry of the dipolar cycloadditions of nitrile oxides to unactivated olefins. Application to the stereoselective elaboration of β^2 -hydroxycarbonyl compounds. <i>Tetrahedron Letters</i> , 1983, 24, 1337-1340.	0.7	55
83	The Asymmetric Synthesis of Erythromycin B. <i>Journal of the American Chemical Society</i> , 1997, 119, 3193-3194.	6.6	55
84	Synthesis of β^2 -heteroaryl propionates via trapping of carbocations with β^- -nucleophiles. <i>Tetrahedron Letters</i> , 2009, 50, 3253-3257.	0.7	55
85	Multicomponent Assembly Strategies for the Synthesis of Diverse Tetrahydroisoquinoline Scaffolds. <i>Organic Letters</i> , 2011, 13, 4542-4545.	2.4	54
86	The Choline Binding Site of Phospholipase C (<i>Bacillus cereus</i>): Insights into Substrate Specificity. <i>Biochemistry</i> , 2000, 39, 3410-3415.	1.2	53
87	Concise, Enantioselective Total Synthesis of (±)-Alstonerine. <i>Organic Letters</i> , 2007, 9, 1113-1116.	2.4	53
88	Iminium ion cascade reactions: stereoselective synthesis of quinolizidines and indolizidines. <i>Tetrahedron</i> , 2009, 65, 3222-3231.	1.0	53
89	Differentially Substituted Phosphines via Decarbonylation of Acylphosphines. <i>Organic Letters</i> , 2017, 19, 1808-1811.	2.4	53
90	Vinylogous Mannich reactions. Stereoselective formal synthesis of pumiliotoxin 251D. <i>Tetrahedron</i> , 1999, 55, 8905-8914.	1.0	52

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91	A ring-closing olefin metathesis approach to bridged azabicyclic structures. <i>Tetrahedron Letters</i> , 2002, 43, 1779-1782.	0.7	52
92	Formal Syntheses of (±)-Pinaic Acid and (±)-Halichlorine. <i>Organic Letters</i> , 2005, 7, 5733-5735.	2.4	52
93	Domino intramolecular enyne metathesis/cross metathesis approach to the xanthanolides. Enantioselective synthesis of (+)-8-epi-xanthatin. <i>Tetrahedron</i> , 2006, 62, 11437-11449.	1.0	52
94	Cyclopropane-Derived Peptidomimetics. Design, Synthesis, Evaluation, and Structure of Novel HIV-1 Protease Inhibitors. <i>Journal of Medicinal Chemistry</i> , 1998, 41, 1581-1597.	2.9	51
95	Facile asymmetric syntheses of 1-deoxycastanospermine and 1-deoxy-8a-epi-castanospermine. <i>Journal of Organic Chemistry</i> , 1993, 58, 2867-2873.	1.7	50
96	Stereoselective Total Synthesis of Dihydrocorynantheol. <i>Organic Letters</i> , 2002, 4, 3243-3245.	2.4	50
97	General methods for alkaloid synthesis via intramolecular [4 + 2] cycloaddition reactions of enamides. A new approach to the synthesis of <i>Aspidosperma</i> alkaloids. <i>Journal of the American Chemical Society</i> , 1980, 102, 3294-3296.	6.6	49
98	Enantioselective, rhodium catalyzed intramolecular cyclopropanations of homoallylic diazoacetates. <i>Tetrahedron Letters</i> , 1992, 33, 6727-6730.	0.7	49
99	Novel applications of vinylogous Mannich reactions. Total synthesis of rugulovasines A and B. <i>Journal of the American Chemical Society</i> , 1993, 115, 10450-10451.	6.6	49
100	A Novel Class of Zinc-Binding Inhibitors for the Phosphatidylcholine-Preferring Phospholipase C from <i>Bacillus cereus</i> . <i>Journal of Organic Chemistry</i> , 2000, 65, 4509-4514.	1.7	49
101	Formal Syntheses of Naturally Occurring Welwitindolinones. <i>Organic Letters</i> , 2012, 14, 3834-3837.	2.4	49
102	Intramolecular [4+2] cycloadditions as a general strategy for alkaloid synthesis. A novel formal synthesis of lycorine. <i>Journal of Organic Chemistry</i> , 1982, 47, 3634-3643.	1.7	48
103	Stereoselective synthesis of (+)-Prelog-Djerassi lactone from furanoid intermediates. <i>Journal of Organic Chemistry</i> , 1987, 52, 5588-5593.	1.7	48
104	Construction of the tricyclic ABC ring subunit of manzamine A via a novel intramolecular Diels-Alder reaction. <i>Tetrahedron Letters</i> , 1991, 32, 6481-6484.	0.7	48
105	The Stereochemical Course of Nucleophilic Additions of 2-Trialkylsiloxyfurans to Cyclic N-Acyliminium Ions. <i>Synthesis</i> , 1992, 1992, 55-57.	1.2	48
106	Neuroprotective Efficacy of a Sigma 2 Receptor/TMEM97 Modulator (DKR-1677) after Traumatic Brain Injury. <i>ACS Chemical Neuroscience</i> , 2019, 10, 1595-1602.	1.7	48
107	New methods for alkaloid synthesis. Facile total syntheses of (+)-O-methyljoubertamine and (+)-mesembrine. <i>Journal of Organic Chemistry</i> , 1979, 44, 3391-3396.	1.7	47
108	Cascade Iminium Ion Reactions for the Facile Synthesis of Quinolizidines. Concise Syntheses of (±)-Epilupinine and (±)-Epimyrtine. <i>Organic Letters</i> , 2005, 7, 2031-2033.	2.4	46

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109	Application of reductive, single electron transfer processes to the generation and cyclization of β -unsaturated α -amino radicals. <i>Tetrahedron Letters</i> , 1988, 29, 6685-6687.	0.7	45
110	[Rh(CO)2Cl]2-Catalyzed Domino Reactions Involving Allylic Substitution and Subsequent Carbocyclization Reactions. <i>Organic Letters</i> , 2005, 7, 1661-1663.	2.4	45
111	Applications of intramolecular Diels-Alder reactions to alkaloid synthesis. A formal total synthesis of (+,-)-dendrobine. <i>Journal of Organic Chemistry</i> , 1991, 56, 642-650.	1.7	44
112	A convergent method for the stereoselective synthesis of trisubstituted alkenes. <i>Journal of Organic Chemistry</i> , 1992, 57, 2523-2525.	1.7	44
113	A formal total synthesis of (+)-macbecin I. <i>Journal of Organic Chemistry</i> , 1992, 57, 1070-1072.	1.7	44
114	Novel approach to the ansamycin antibiotics macbecin I and herbimycin A. A formal total synthesis of (+)-macbecin I. <i>Tetrahedron</i> , 1996, 52, 3229-3246.	1.0	44
115	Design, Synthesis, and Evaluation of Matrix Metalloprotease Inhibitors Bearing Cyclopropane-Derived Peptidomimetics as P1 α and P2 α Replacements. <i>Journal of Organic Chemistry</i> , 2002, 67, 4062-4075.	1.7	44
116	The furan approach to higher monosaccharides. A concise total synthesis of (+)-KDO. <i>Journal of the American Chemical Society</i> , 1989, 111, 2311-2313.	6.6	43
117	Enantioselective Synthesis and Structure Revision of Solandelactone E. <i>Journal of the American Chemical Society</i> , 2007, 129, 510-511.	6.6	43
118	Concise Total Synthesis of (\pm)-Pseudotabersonine via Double Ring-Closing Metathesis Strategy. <i>Organic Letters</i> , 2010, 12, 3622-3625.	2.4	43
119	Approaches to <i>N</i> -Methylwelwitindolinone C Isothiocyanate: Facile Synthesis of the Tetracyclic Core. <i>Organic Letters</i> , 2010, 12, 2492-2495.	2.4	43
120	Strategies for Macrolide Synthesis. A Concise Approach to Protected Seco-Acids of Erythronolides A and B. <i>Journal of the American Chemical Society</i> , 1994, 116, 4674-4688.	6.6	42
121	Constraining Binding Hot Spots: NMR and Molecular Dynamics Simulations Provide a Structural Explanation for Enthalpy \sim Entropy Compensation in SH2 \sim Ligand Binding. <i>Journal of the American Chemical Society</i> , 2010, 132, 11058-11070.	6.6	42
122	Facile access to sterically hindered aryl ketones via carbonylative cross-coupling: application to the total synthesis of luteolin. <i>Tetrahedron</i> , 2011, 67, 4344-4351.	1.0	42
123	Probing the Effect of Conformational Constraint on Phosphorylated Ligand Binding to an SH2 Domain Using Polarizable Force Field Simulations. <i>Journal of Physical Chemistry B</i> , 2012, 116, 1716-1727.	1.2	42
124	Evolution of a strategy for preparing bioactive small molecules by sequential multicomponent assembly processes, cyclizations, and diversification. <i>Organic and Biomolecular Chemistry</i> , 2014, 12, 7659-7672.	1.5	42
125	Stereoselective total synthesis of racemic acorone. <i>Journal of Organic Chemistry</i> , 1978, 43, 1027-1031.	1.7	41
126	Novel Approach to the Zaragozaic Acids. Enantioselective Total Synthesis of 6,7-Dideoxysqualestatin H5. <i>Journal of Organic Chemistry</i> , 2002, 67, 4200-4208.	1.7	41

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127	Features and Applications of [Rh(CO) ₂ Cl] ₂ -Catalyzed Alkylations of Unsymmetrical Allylic Substrates. <i>Journal of Organic Chemistry</i> , 2007, 72, 9018-9031.	1.7	41
128	Facile method for the transformation of ketones into .alpha.-substituted aldehydes. <i>Journal of Organic Chemistry</i> , 1974, 39, 2814-2815.	1.7	40
129	The Pauson-Khand reaction as a new entry to the synthesis of bridged bicyclic heterocycles: application to the enantioselective total synthesis of (â)-alstonerine. <i>Tetrahedron</i> , 2008, 64, 6884-6900.	1.0	40
130	New methods for the synthesis of oxindole alkaloids. Total syntheses of isopteropodine and pteropodine.. <i>Tetrahedron Letters</i> , 1990, 31, 4557-4560.	0.7	39
131	Vinylogous Mannich Reactions: Some Theoretical Studies on the Origins of Diastereoselectivity. <i>Organic Letters</i> , 2000, 2, 3445-3447.	2.4	39
132	Facile Synthesis of 2-Substituted 1,2-Dihydro-1-naphthols and 2-Substituted 1-Naphthols. <i>Organic Letters</i> , 2004, 6, 3581-3584.	2.4	39
133	Enantioselective Formal Total Syntheses of Didehydrostemofoline and Isodidehydrostemofoline through a Catalytic Dipolar Cycloaddition Cascade. <i>Angewandte Chemie - International Edition</i> , 2012, 51, 10596-10599.	7.2	39
134	Furans as intermediates for the synthesis of oxygenated natural products. A formal asymmetric synthesis of (+)-tirandamycic acid. <i>Journal of Organic Chemistry</i> , 1984, 49, 2512-2513.	1.7	38
135	General entries to C-aryl glycosides. Formal synthesis of galtamycinone. <i>Tetrahedron Letters</i> , 2003, 44, 1075-1077.	0.7	38
136	Total synthesis of erythromycin B. <i>Tetrahedron</i> , 2007, 63, 5709-5729.	1.0	38
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