

Stephen F Martin

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L-index

#	Paper	IF	Citations
271	Synthesis of oxygen- and nitrogen-containing heterocycles by ring-closing metathesis. <i>Chemical Reviews</i> , 2004 , 104, 2199-238	68.1	1183
270	Applications of multicomponent reactions to the synthesis of diverse heterocyclic scaffolds. <i>Chemistry - A European Journal</i> , 2009 , 15, 1300-8	4.8	601
269	Methodology for the construction of quaternary carbon centers. <i>Tetrahedron</i> , 1980 , 36, 419-460	2.4	323
268	Efficacious modification of the Mitsunobu reaction for inversions of sterically hindered secondary alcohols. <i>Tetrahedron Letters</i> , 1991 , 32, 3017-3020	2	321
267	Evolution of the vinylogous Mannich reaction as a key construction for alkaloid synthesis. <i>Accounts of Chemical Research</i> , 2002 , 35, 895-904	24.3	226
266	Synthesis and properties of cyclopropane-derived peptidomimetics. <i>Accounts of Chemical Research</i> , 2006 , 39, 433-42	24.3	192
265	Vinylogous Mannich reactions: selectivity and synthetic utility. <i>Tetrahedron</i> , 2001 , 57, 3221-3242	2.4	190
264	Enantioselective total syntheses of manzamine A and related alkaloids. <i>Journal of the American Chemical Society</i> , 2002 , 124, 8584-92	16.4	173
263	Identification of the gene that codes for the μ receptor. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017 , 114, 7160-7165	11.5	160
262	Applications of multicomponent reactions for the synthesis of diverse heterocyclic scaffolds. <i>Organic Letters</i> , 2007 , 9, 4223-6	6.2	156
261	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	16.4	155
260	Bifunctional catalyst promotes highly enantioselective bromolactonizations to generate stereogenic C-Br bonds. <i>Journal of the American Chemical Society</i> , 2012 , 134, 11128-31	16.4	151
259	Enantioselective Total Syntheses of Ircinal A and Related Manzamine Alkaloids. <i>Journal of the American Chemical Society</i> , 1999 , 121, 866-867	16.4	145
258	Biogenetically inspired approach to the Strychnos alkaloids. Concise syntheses of (+/-)-akuammicine and (+/-)-strychnine. <i>Journal of the American Chemical Society</i> , 2001 , 123, 8003-10	16.4	121
257	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	16.4	105
256	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, 4541-50	16.4	103
255	Synthesis of bridged azabicyclic structures via ring-closing olefin metathesis. <i>Journal of Organic Chemistry</i> , 2003 , 68, 8867-78	4.2	103

254	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	2.1	100
253	Thermodynamic and structural effects of conformational constraints in protein-ligand interactions. Entropic paradox associated with ligand preorganization. <i>Journal of the American Chemical Society</i> , 2009 , 131, 16758-70	16.4	100
252	Synthesis of Aldehydes, Ketones, and Carboxylic Acids from Lower Carbonyl Compounds by C-C Coupling Reactions. <i>Synthesis</i> , 1979 , 1979, 633-665	2.9	100
251	General strategy for the syntheses of corynanthe, tacaman, and oxindole alkaloids. <i>Journal of Organic Chemistry</i> , 2006 , 71, 6547-61	4.2	95
250	Ring-closing olefin meta thesis for the synthesis of fused nitrogen heterocycles. <i>Tetrahedron</i> , 1996 , 52, 7251-7264	2.4	93
249	Carbonylative cross-coupling of ortho-disubstituted aryl iodides. convenient synthesis of sterically hindered aryl ketones. <i>Organic Letters</i> , 2008 , 10, 5301-4	6.2	92
248	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	4.2	88
247	Application of Ring-Closing Metathesis to the Formal Total Synthesis of (+)BR900482. <i>Journal of the American Chemical Society</i> , 2000 , 122, 10781-10787	16.4	87
246	An enantioselective total synthesis of (+)-geissoschizine. <i>Organic Letters</i> , 1999 , 1, 79-81	6.2	87
245	Synthesis and diversification of 1,2,3-triazole-fused 1,4-benzodiazepine scaffolds. <i>Organic Letters</i> , 2011 , 13, 852-5	6.2	86
244	Applications of Vinylogous Mannich Reactions. Concise Enantiospecific Total Syntheses of (+)-Croomine. <i>Journal of the American Chemical Society</i> , 1999 , 121, 6990-6997	16.4	86
243	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	2	86
242	Crystal structure of phospholipase C from <i>Bacillus cereus</i> complexed with a substrate analog. <i>Journal of Molecular Biology</i> , 1993 , 234, 179-87	6.5	82
241	Enantio- and Diastereoselectivity in the Intramolecular Cyclopropanation of Secondary Allylic Diazoacetates. <i>Journal of the American Chemical Society</i> , 1994 , 116, 4493-4494	16.4	82
240	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, 1710-21	8.3	81
239	Application of intramolecular enyne metathesis to the synthesis of aza[4.2.1]bicyclics: enantiospecific total synthesis of (+)-anatoxin-a. <i>Organic Letters</i> , 2004 , 6, 1329-31	6.2	79
238	Application of a domino intramolecular enyne metathesis/cross metathesis reaction to the total synthesis of (+)-8-epi-xanthatin. <i>Organic Letters</i> , 2005 , 7, 4621-3	6.2	78
237	General Method for the Synthesis of Phospholipid Derivatives of 1,2-O-Diacyl-sn-Glycerols. <i>Journal of Organic Chemistry</i> , 1994 , 59, 4805-4820	4.2	78

- 236 C-Aryl glycosides via tandem intramolecular benzyne-furan cycloadditions. Total synthesis of vineomycinone B2 methyl ester. *Journal of the American Chemical Society*, **2006**, 128, 13696-7 16.4 77
- 235 Calorimetric and structural studies of 1,2,3-trisubstituted cyclopropanes as conformationally constrained peptide inhibitors of Src SH2 domain binding. *Journal of the American Chemical Society*, **2002**, 124, 205-15 16.4 77
- 234 Applications of vinylogous Mannich reactions. Total syntheses of the Ergot alkaloids rugulovasines A and B and setoclavine. *Journal of the American Chemical Society*, **2001**, 123, 5918-24 16.4 77
- 233 Unified strategy for synthesis of indole and 2-oxindole alkaloids. *Journal of the American Chemical Society*, **1991**, 113, 6161-6171 16.4 77
- 232 Enantioselective total synthesis of (-)-citrinadin A and revision of its stereochemical structure. *Journal of the American Chemical Society*, **2013**, 135, 10886-9 16.4 76
- 231 Highly selective enantiomer differentiation in intramolecular cyclopropanation reactions of racemic secondary allylic diazoacetates.. *Journal of the American Chemical Society*, **1995**, 117, 11021-11022 16.4 76
- 230 General strategies for the synthesis of the major classes of C-aryl glycosides. *Journal of the American Chemical Society*, **2001**, 123, 6937-8 16.4 74
- 229 Vinylogous Mannich Reactions. The Asymmetric Total Synthesis of (+)-Croomine. *Journal of the American Chemical Society*, **1996**, 118, 3299-3300 16.4 73
- 228 Vinylogous Mannich reactions. Catalytic, asymmetric additions of triisopropylsilyloxyfurans to aldimines. *Tetrahedron Letters*, **1999**, 40, 8949-8953 2 72
- 227 Enantioselective synthesis of (+)-anatoxin-a via enyne metathesis. *Tetrahedron*, **2004**, 60, 7301-7314 2.4 69
- 226 Synthesis of Diverse Heterocyclic Scaffolds via Tandem Additions to Imine Derivatives and Ring-Forming Reactions. *Tetrahedron*, **2009**, 65, 6454-6469 2.4 68
- 225 Direct, stereoselective substitution in [Rh(CO)(2)Cl](2)-catalyzed allylic alkylations of unsymmetrical substrates. *Organic Letters*, **2004**, 6, 1321-4 6.2 68
- 224 Small molecule modulator of sigma 2 receptor is neuroprotective and reduces cognitive deficits and neuroinflammation in experimental models of Alzheimer's disease. *Journal of Neurochemistry*, **2017**, 140, 561-575 6 66
- 223 Enantioselective iodolactonization of disubstituted olefinic acids using a bifunctional catalyst. *Organic Letters*, **2012**, 14, 6290-3 6.2 64
- 222 Concise, stereoselective approach to the spirooxindole ring system of citrinadin A. *Organic Letters*, **2007**, 9, 4623-6 6.2 64
- 221 Altering protein specificity: techniques and applications. *Bioorganic and Medicinal Chemistry*, **2005**, 13, 2701-16 3.4 63
- 220 Cyclopropanes as conformationally restricted peptide isosteres. Design and synthesis of novel collagenase inhibitors. *Tetrahedron*, **1993**, 49, 3521-3532 2.4 63
- 219 Thermodynamic and Structural Effects of Macrocyclization as a Constraining Method in Protein-Ligand Interactions. *ACS Medicinal Chemistry Letters*, **2010**, 1, 448-452 4.3 62

218	Ligand preorganization may be accompanied by entropic penalties in protein-ligand interactions. <i>Angewandte Chemie - International Edition</i> , 2006 , 45, 6830-5	16.4	62
217	Improved E-selectivity in the Wittig reaction of stabilized ylides with alpha-alkoxyaldehydes and sugar lactols. <i>Organic Letters</i> , 2001 , 3, 3591-3	6.2	62
216	Enantioselective syntheses of tremulenediol A and tremulenolide A. <i>Organic Letters</i> , 2005 , 7, 4535-7	6.2	61
215	Novel route to fused nitrogen heterocycles by olefin metathesis. <i>Tetrahedron Letters</i> , 1994 , 35, 6005-6008		61
214	A concise strategy for the syntheses of indole alkaloids of the heteroyohimboid and corynantheoid families. Total syntheses of (+-)-tetrahydroalstonine, (+-)-cathenamine and (+-)-geissoschizine. <i>Journal of the American Chemical Society</i> , 1988 , 110, 5925-5927	16.4	60
213	Total synthesis of (+)-ambruticin S. <i>Journal of the American Chemical Society</i> , 2001 , 123, 12432-3	16.4	59
212	Synthesis of (±)-actinophyllic acid and analogs: applications of cascade reactions and diverted total synthesis. <i>Journal of the American Chemical Society</i> , 2013 , 135, 12984-6	16.4	58
211	Correlating structure and energetics in protein-ligand interactions: paradigms and paradoxes. <i>Annual Review of Biochemistry</i> , 2013 , 82, 267-93	29.1	58
210	Pd-catalyzed ring opening of oxa- and azabicyclic alkenes with aryl and vinyl halides: efficient entry to 2-substituted 1,2-dihydro-1-naphthols and 2-substituted 1-naphthols. <i>Journal of Organic Chemistry</i> , 2006 , 71, 4810-7	4.2	58
209	Total synthesis of isokidamycin. <i>Journal of the American Chemical Society</i> , 2010 , 132, 15528-30	16.4	57
208	Regioselective synthesis of unsymmetrical C-aryl glycosides using silicon tethers as disposable linkers. <i>Journal of the American Chemical Society</i> , 2003 , 125, 12994-5	16.4	56
207	Application of nitrile oxide cycloadditions to a convergent, asymmetric synthesis of (+)-phyllanthocin. <i>Journal of Organic Chemistry</i> , 1989 , 54, 2209-2216	4.2	55
206	Total synthesis of cribrostatin 6. <i>Angewandte Chemie - International Edition</i> , 2009 , 48, 2569-71	16.4	54
205	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, 45-9	3.1	54
204	Total synthesis of (+)-ambruticin S. <i>Tetrahedron</i> , 2003 , 59, 6819-6832	2.4	54
203	Total syntheses of (+-)-crinine and (+-)-buphanisine. <i>Journal of Organic Chemistry</i> , 1988 , 53, 3184-3190	4.2	54
202	Sigma 2 Receptor/Tmem97 Agonists Produce Long Lasting Antineuropathic Pain Effects in Mice. <i>ACS Chemical Neuroscience</i> , 2017 , 8, 1801-1811	5.7	53
201	Iminium Ion Cascade Reactions: Stereoselective Synthesis of Quinolizidines and Indolizidines. <i>Tetrahedron</i> , 2009 , 65, 3222-3231	2.4	52

200	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	4.2	52
199	Multicomponent assembly strategies for the synthesis of diverse tetrahydroisoquinoline scaffolds. <i>Organic Letters</i> , 2011 , 13, 4542-5	6.2	51
198	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	4.2	51
197	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, 135-43	3.9	50
196	A novel approach to FR-900482 via ring forming metathesis. <i>Tetrahedron Letters</i> , 1995 , 36, 1169-1170	2	50
195	The furan approach to oxygenated natural products. Total synthesis of (+)-KDO. <i>Journal of Organic Chemistry</i> , 1991 , 56, 6600-6606	4.2	50
194	Enantioselective total syntheses of citrinadins A and B. Stereochemical revision of their assigned structures. <i>Journal of the American Chemical Society</i> , 2014 , 136, 14184-92	16.4	49
193	Cyclopropane-derived peptidomimetics. Design, synthesis, and evaluation of novel enkephalin analogues. <i>Journal of Organic Chemistry</i> , 2000 , 65, 1305-18	4.2	49
192	Formal syntheses of (+/-)-pinnaic acid and (+/-)-halichlorine. <i>Organic Letters</i> , 2005 , 7, 5733-5	6.2	48
191	The choline binding site of phospholipase C (<i>Bacillus cereus</i>): insights into substrate specificity. <i>Biochemistry</i> , 2000 , 39, 3410-5	3.2	48
190	Cyclopropane-derived peptidomimetics. Design, synthesis, evaluation, and structure of novel HIV-1 protease inhibitors. <i>Journal of Medicinal Chemistry</i> , 1998 , 41, 1581-97	8.3	48
189	A general method for the synthesis of 1,1-difluoroalkylphosphonates. <i>Tetrahedron Letters</i> , 1992 , 33, 1839-1842	2	48
188	Enantioselective synthesis of (+)-isolysergol via ring-closing metathesis. <i>Organic Letters</i> , 2010 , 12, 2610-3	6.2	47
187	Concise formal synthesis of (-)-peduncularine via ring-closing metathesis. <i>Organic Letters</i> , 2003 , 5, 3523-5	6.2	47
186	Regiochemistry of the dipolar cycloadditions of nitrile oxides to unactivated olefins. Application to the stereoselective elaboration of hydroxycarbonyl compounds. <i>Tetrahedron Letters</i> , 1983 , 24, 1337-1340	2	47
185	The Asymmetric Synthesis of Erythromycin B. <i>Journal of the American Chemical Society</i> , 1997 , 119, 3193-3194	3.6	46
184	Domino intramolecular enyne metathesis/cross metathesis approach to the xanthanolides. Enantioselective synthesis of (+)-8-epi-xanthatin. <i>Tetrahedron</i> , 2006 , 62, 11437-11449	2.4	46
183	Stereoselective total synthesis of dihydrocorynantheol. <i>Organic Letters</i> , 2002 , 4, 3243-5	6.2	46

182	Synthesis of β -Heteroaryl Propionates via Trapping of Carbocations with β -Nucleophiles. <i>Tetrahedron Letters</i> , 2009 , 50, 3253-3257	2	45
181	Concise, enantioselective total synthesis of (-)-alstonerine. <i>Organic Letters</i> , 2007 , 9, 1113-6	6.2	45
180	Cascade iminium ion reactions for the facile synthesis of quinolizidines. Concise syntheses of (+/-)-epilupinine and (-)-epimyrtine. <i>Organic Letters</i> , 2005 , 7, 2031-3	6.2	45
179	A Biomimetic Approach to the Strychnos Alkaloids. A Novel, Concise Synthesis of (β)-Akuammicine and a Route to (β)-Strychnine. <i>Journal of the American Chemical Society</i> , 1996 , 118, 9804-9805	16.4	45
178	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	2	45
177	Formal syntheses of naturally occurring welwitindolinones. <i>Organic Letters</i> , 2012 , 14, 3834-7	6.2	43
176	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, 4509-14	4.2	43
175	Vinylogous Mannich reactions. Stereoselective formal synthesis of pumiliotoxin 251D. <i>Tetrahedron</i> , 1999 , 55, 8905-8914	2.4	43
174	The Stereochemical Course of Nucleophilic Additions of 2-Trialkylsiloxyfurans to Cyclic N-Acyliminium Ions. <i>Synthesis</i> , 1992 , 1992, 55-57	2.9	43
173	A ring-closing olefin metathesis approach to bridged azabicyclic structures. <i>Tetrahedron Letters</i> , 2002 , 43, 1779-1782	2	42
172	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	16.4	42
171	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	4.2	42
170	Concise total synthesis of (+/-)-pseudotabersonine via double ring-closing metathesis strategy. <i>Organic Letters</i> , 2010 , 12, 3622-5	6.2	41
169	Approaches to N-methylwelwitindolinone C isothiocyanate: facile synthesis of the tetracyclic core. <i>Organic Letters</i> , 2010 , 12, 2492-5	6.2	41
168	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	4.2	41
167	Stereoselective synthesis of (+)-Prelog-Djerassi lactone from furanoid intermediates. <i>Journal of Organic Chemistry</i> , 1987 , 52, 5588-5593	4.2	41
166	[Rh(CO) ₂ Cl] ₂ -catalyzed domino reactions involving allylic substitution and subsequent carbocyclization reactions. <i>Organic Letters</i> , 2005 , 7, 1661-3	6.2	40
165	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	2.4	40

- 164 Facile asymmetric syntheses of 1-deoxycastanospermine and 1-deoxy-8a-epi-castanospermine. *Journal of Organic Chemistry*, **1993**, 58, 2867-2873 4.2 40
- 163 Enantioselective synthesis and structure revision of solandelactone E. *Journal of the American Chemical Society*, **2007**, 129, 510-1 16.4 39
- 162 Design, synthesis, and evaluation of matrix metalloprotease inhibitors bearing cyclopropane-derived peptidomimetics as P1 and P2 replacements. *Journal of Organic Chemistry*, **2002**, 67, 4062-75 4.2 38
- 161 Novel applications of vinylogous Mannich reactions. Total synthesis of rugulovasines A and B. *Journal of the American Chemical Society*, **1993**, 115, 10450-10451 16.4 38
- 160 Application of reductive, single electron transfer processes to the generation and cyclization of π -unsaturated β -amino radicals. *Tetrahedron Letters*, **1988**, 29, 6685-6687 2 38
- 159 Evolution of a strategy for preparing bioactive small molecules by sequential multicomponent assembly processes, cyclizations, and diversification. *Organic and Biomolecular Chemistry*, **2014**, 12, 7659-7672 3.9 37
- 158 Constraining binding hot spots: NMR and molecular dynamics simulations provide a structural explanation for enthalpy-entropy compensation in SH2-ligand binding. *Journal of the American Chemical Society*, **2010**, 132, 11058-70 16.4 37
- 157 Facile Access to Sterically Hindered Aryl Ketones via Carbonylative Cross-Coupling: Application to the Total Synthesis of Luteolin. *Tetrahedron*, **2011**, 67, 4344-4351 2.4 37
- 156 Features and applications of $[\text{Rh}(\text{CO})_2\text{Cl}]_2$ -catalyzed alkylations of unsymmetrical allylic substrates. *Journal of Organic Chemistry*, **2007**, 72, 9018-31 4.2 37
- 155 Facile synthesis of 2-substituted 1,2-dihydro-1-naphthols and 2-substituted 1-naphthols. *Organic Letters*, **2004**, 6, 3581-4 6.2 37
- 154 General entries to C-aryl glycosides. Formal synthesis of galtamycinone. *Tetrahedron Letters*, **2003**, 44, 1075-1077 2 37
- 153 Vinylogous Mannich reactions: some theoretical studies on the origins of diastereoselectivity. *Organic Letters*, **2000**, 2, 3445-7 6.2 37
- 152 A convergent method for the stereoselective synthesis of trisubstituted alkenes. *Journal of Organic Chemistry*, **1992**, 57, 2523-2525 4.2 37
- 151 A formal total synthesis of (+)-macbecin I. *Journal of Organic Chemistry*, **1992**, 57, 1070-1072 4.2 37
- 150 New methods for alkaloid synthesis. Facile total syntheses of (+)-O-methyljoubertiamine and (+)-mesembrine. *Journal of Organic Chemistry*, **1979**, 44, 3391-3396 4.2 37
- 149 Differentially Substituted Phosphines via Decarbonylation of Acylphosphines. *Organic Letters*, **2017**, 19, 1808-1811 6.2 36
- 148 Novel approach to the zaragozic acids. Enantioselective total synthesis of 6,7-dideoxysqualestatin H5. *Journal of Organic Chemistry*, **2002**, 67, 4200-8 4.2 36
- 147 Facile method for the transformation of ketones into α -substituted aldehydes. *Journal of Organic Chemistry*, **1974**, 39, 2814-2815 4.2 36

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145	Total synthesis of erythromycin B. <i>Tetrahedron</i> , 2007 , 63, 5709-5729	2.4	35
144	The Pauson-Khand Reaction as a New Entry to the Synthesis of Bridged Bicyclic Heterocycles: Application to the Enantioselective Total Synthesis of (-)-Alstonerine. <i>Tetrahedron</i> , 2008 , 64, 6884-6900	2.4	35
143	Studies Toward the Syntheses of Pluramycin Natural Products. The First Total Synthesis of Isokidamycin. <i>Tetrahedron</i> , 2011 , 67, 6524-6538	2.4	34
142	Enantioselective syntheses of tremulenediol A and tremulenolide A. <i>Tetrahedron</i> , 2006 , 62, 10497-10506	2.4	34
141	Toward the total synthesis of FR901483: concise synthesis of the azatricyclic skeleton. <i>Journal of Organic Chemistry</i> , 2007 , 72, 5342-9	4.2	33
140	Altering substrate specificity of phosphatidylcholine-preferring phospholipase C of <i>Bacillus cereus</i> by random mutagenesis of the headgroup binding site. <i>Biochemistry</i> , 2003 , 42, 1603-10	3.2	33
139	The furan approach to higher monosaccharides. A concise total synthesis of (+)-KDO. <i>Journal of the American Chemical Society</i> , 1989 , 111, 2311-2313	16.4	33
138	Furans as intermediates for the synthesis of oxygenated natural products. A formal asymmetric synthesis of (+)-tirandamycin acid. <i>Journal of Organic Chemistry</i> , 1984 , 49, 2512-2513	4.2	33
137	Enantioselective formal total syntheses of dihydrostemofoline and isodihydrostemofoline through a catalytic dipolar cycloaddition cascade. <i>Angewandte Chemie - International Edition</i> , 2012 , 51, 10596-9	16.4	32
136	Protein-ligand interactions: thermodynamic effects associated with increasing nonpolar surface area. <i>Journal of the American Chemical Society</i> , 2011 , 133, 18518-21	16.4	32
135	Multicomponent assembly and diversification of novel heterocyclic scaffolds derived from 2-arylpiperidines. <i>Organic Letters</i> , 2011 , 13, 3102-5	6.2	32
134	Studies toward the enantioselective syntheses of oxylipins: total synthesis and structure revision of solandelactone E. <i>Journal of Organic Chemistry</i> , 2008 , 73, 391-402	4.2	32
133	Facile and unified approach to skeletally diverse, privileged scaffolds. <i>Organic Letters</i> , 2011 , 13, 2590-3	6.2	31
132	Preorganization in biological systems: Are conformational constraints worth the energy?. <i>Pure and Applied Chemistry</i> , 2007 , 79, 193-200	2.1	31
131	Structural and energetic aspects of Grb2-SH2 domain-swapping. <i>Archives of Biochemistry and Biophysics</i> , 2007 , 462, 47-53	4.1	31
130	Synthesis of cis-2,5-disubstituted pyrrolidines via diastereoselective reduction of N-acyl iminium ions. <i>Tetrahedron Letters</i> , 2004 , 45, 4895-4898	2	31
129	Expression and site-directed mutagenesis of the phosphatidylcholine-preferring phospholipase C of <i>Bacillus cereus</i> : probing the role of the active site Glu146. <i>Biochemistry</i> , 1996 , 35, 12970-7	3.2	31

128	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	16.4	31
127	Enantioselective, rhodium catalyzed intramolecular cyclopropanations of homoallylic diazoacetates.. <i>Tetrahedron Letters</i> , 1992 , 33, 6727-6730	2	30
126	New methods for the synthesis of oxindole alkaloids. Total syntheses of isopteropodine and pteropodine.. <i>Tetrahedron Letters</i> , 1990 , 31, 4557-4560	2	30
125	A concise route to a key intermediate in the total syntheses of (+)-tirandamycic acid and (-)-tirandamycin a □ <i>Tetrahedron</i> , 1988 , 44, 3171-3180	2.4	30
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2 Geminal Acylation-Alkylation at a Carbonyl Center Using Diethyl
N-Benzylideneaminomethylphosphonate: 2-Methyl-2-Phenyl-4-Pentenal 119-119

1 Tandem vinylogous Mannich and hetero Diels-Alder reactions: Concise total synthesis of
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2.4