Stepehen C Bergmeier

List of Publications by Citations

95 papers	3,261 citations	28 h-index	55 g-index
124 ext. papers	3,622 ext. citations	3.1 avg, IF	5.28 L-index

#	Paper	IF	Citations
95	The Synthesis of Vicinal Amino Alcohols. *Tetrahedron*, **2000**, 56, 2561-2576	2.4	736
94	A small-molecule inhibitor of glucose transporter 1 downregulates glycolysis, induces cell-cycle arrest, and inhibits cancer cell growth in vitro and in vivo. *Molecular Cancer Therapeutics*, **2012**, 11, 1672-82	6.1	327
93	4-(1,2,5,6-Tetrahydro-1-alkyl-3-pyridinyl)-2-thiazolamines: a novel class of compounds with central dopamine agonist properties. *Journal of Medicinal Chemistry*, **1990**, 33, 311-7	8.3	210
92	Crystal structure of a conformation-selective casein kinase-1 inhibitor. *Journal of Biological Chemistry*, **2000**, 275, 20052-60	5.4	113
91	Selective Removal of an N-BOC Protecting Group in the Presence of a tert-Butyl Ester and Other Acid-Sensitive Groups. *Journal of Organic Chemistry*, **1994**, 59, 3216-3218	4.2	109
90	Acylnitrene Route to Vicinal Amino Alcohols. Application to the Synthesis of (-)-Bestatin and Analogues. *Journal of Organic Chemistry*, **1999**, 64, 2852-2859	4.2	99
89	Inter- and intramolecular reactions of epoxides and aziridines with N-nucleophiles. *Tetrahedron*, **2010**, 66, 7337-7360	2.4	85
88	Aziridines and Azirines: Monocyclic **1996**, 1-60		61
87	Synthesis of Vicinal Amino Alcohols via a Tandem Acylnitrene Aziridination-Aziridine Ring Opening. *Journal of Organic Chemistry*, **1997**, 62, 4449-4456	4.2	60
86	A general method for deprotection of N-toluenesulfonyl aziridines using sodium naphthalenide. *Tetrahedron Letters*, **1999**, 40, 6181-6184	2	59
85	The synthesis of pyrrolizidines and indolizidines by the intramolecular cycloaddition of azides with electron-rich 1,3-dienes. A synthetic equivalent of a nitrene-diene cycloaddition. *Journal of Organic Chemistry*, **1990**, 55, 5719-5738	4.2	59
84	Chirospecific synthesis of (1S,3R)-1-amino-3-(hydroxymethyl)cyclopentane, precursor for carbocyclic nucleoside synthesis. Dieckmann cyclization with an .alpha.-amino acid. *Journal of Organic Chemistry*, **1993**, 58, 2369-2376	4.2	58
83	Small compound inhibitors of basal glucose transport inhibit cell proliferation and induce apoptosis in cancer cells via glucose-deprivation-like mechanisms. *Cancer Letters*, **2010**, 298, 176-85	9.9	55
82	Impact of fermentation, drying, roasting and Dutch processing on flavan-3-ol stereochemistry in cacao beans and cocoa ingredients. *Chemistry Central Journal*, **2011**, 5, 53		54
81	Synthesis of bicyclic proline analogs using a formal [3 + 2] intramolecular aziridine-allylsilane cycloaddition reaction. *Tetrahedron*, **1999**, 55, 8025-8038	2.4	51
80	Novel inhibitors of basal glucose transport as potential anticancer agents. *Bioorganic and Medicinal Chemistry Letters*, **2010**, 20, 2191-4	2.9	46
79	Synthesis of (-)-slaframine and related indolizidines. *Journal of Organic Chemistry*, **1992**, 57, 3977-3987	4.2	45

78	Structure-activity studies of oxazolidinone analogs as RNA-binding agents. *Bioorganic and Medicinal Chemistry Letters*, **2006**, 16, 3600-4	2.9	42
77	Convenient methods for the hydrolysis of oxazolidinones to vicinal aminoalcohols. *Tetrahedron Letters*, **2002**, 43, 557-559	2	39
76	Structure-activity studies with ring E analogues of methyllycaconitine on bovine adrenal alpha3beta4* nicotinic receptors. *Neuroscience Research*, **2002**, 42, 57-63	2.9	38
75	4,5-Disubstituted oxazolidinones: High affinity molecular effectors of RNA function. *Bioorganic and Medicinal Chemistry Letters*, **2008**, 18, 3541-4	2.9	37
74	Intramolecular cyclization reactions of aziridines with □nucleophiles. *Tetrahedron Letters*, **2004**, 45, 5011-5014	2	37
73	Ring E analogs of methyllycaconitine (MLA) as novel nicotinic antagonists. *Bioorganic and Medicinal Chemistry Letters*, **1999**, 9, 2263-6	2.9	37
72	Synthesis and stereospecificity of 4,5-disubstituted oxazolidinone ligands binding to T-box riboswitch RNA. *Journal of Medicinal Chemistry*, **2011**, 54, 6786-95	8.3	35
71	Formation of Scalemic Aziridines via the Nucleophilic Opening of Aziridines. *Journal of Organic Chemistry*, **1997**, 62, 2671-2674	4.2	33
70	Library of 1,4-disubstituted 1,2,3-triazole analogs of oxazolidinone RNA-binding agents. *ACS Combinatorial Science*, **2010**, 12, 491-6		32
69	Aziridine-Allylsilane-Mediated Total Synthesis of (-)-Yohimbane. *Journal of Organic Chemistry*, **1999**, 64, 3237-3243	4.2	30
68	The Synthesis of Triazole Analogues of Antitumor Dehydropyrrolizidine Alkaloids. *Synthesis*, **1990**, 1990, 156-159	2.9	29
67	Structure activity studies of ring E analogues of methyllycaconitine. Part 2: Synthesis of antagonists to the alpha3beta4* nicotinic acetylcholine receptors through modifications to the ester. *Bioorganic and Medicinal Chemistry Letters*, **2004**, 14, 3739-42	2.9	27
66	Negative allosteric modulators that target human alpha4beta2 neuronal nicotinic receptors. *Journal of Pharmacology and Experimental Therapeutics*, **2010**, 334, 761-74	4.7	26
65	Structure-activity studies of RNA-binding oxazolidinone derivatives. *Bioorganic and Medicinal Chemistry Letters*, **2011**, 21, 4524-7	2.9	26
64	Aziridine□llylsilane-mediated synthesis of exocyclic □amino olefins and azabicyclo[x.y.1]-systems. *Tetrahedron*, **2002**, 58, 7109-7117	2.4	26
63	Chirospecific synthesis of (1S,3R)-1-amino-3-(hydroxymethyl)cyclopentane, a precursor for carbocyclic nucleoside synthesis. Intramolecular aziridine cyclizations. *Journal of Organic Chemistry*, **1993**, 58, 5019-5022	4.2	26
62	A method for the parallel synthesis of multiply substituted oxazolidinones. *ACS Combinatorial Science*, **2002**, 4, 162-6		22
61	Analogs of methyllycaconitine as novel noncompetitive inhibitors of nicotinic receptors: pharmacological characterization, computational modeling, and pharmacophore development. *Molecular Pharmacology*, **2007**, 71, 1288-97	4.3	21

60	A synthesis of 6-azabicyclo[3.2.1]octanes. The role of N-substitution. *Journal of Organic Chemistry*, **2008**, 73, 1462-7	4.2	20
59	Synthesis of indolidines by the 1,3-dipolar cycloaddition of azides with methylenecyclopropanes followed by cyclopropyumine rearrangement. *Tetrahedron Letters*, **1990**, 31, 5441-5444	2	20
58	A synthesis of (-)-slaframine and (-)-1,8a-diepislaframine. *Journal of Organic Chemistry*, **1991**, 56, 1976-1978	4.2	20
57	Fused ring aziridines as a facile entry into triazole fused tricyclic and bicyclic heterocycles. *Organic and Biomolecular Chemistry*, **2012**, 10, 3080-91	3.9	18
56	A directed amidohalogenation reaction an unusual reaction of azidoformates. *Tetrahedron Letters*, **1995**, 36, 4533-4536	2	18
55	Effect of novel negative allosteric modulators of neuronal nicotinic receptors on cells expressing native and recombinant nicotinic receptors: implications for drug discovery. *Journal of Pharmacology and Experimental Therapeutics*, **2009**, 328, 504-15	4.7	17
54	The synthesis of β-amino olefins. A novel intramolecular aziridine β-allylsilane reaction. *Tetrahedron Letters*, **1995**, 36, 3793-3796	2	17
53	THE SYNTHESIS OF SUCCINIC ACIDS AND DERIVATIVES. A REVIEW. *Organic Preparations and Procedures International*, **2002**, 34, 337-366	1.1	16
52	A Suzuki cross-coupling route to substituted aziridines. *Tetrahedron Letters*, **2001**, 42, 8583-8586	2	15
51	Synthesis of Monosubstituted Succinic Acids from tert-Butylsuccinate. *Synthesis*, **2000**, 2000, 1369-1371	2.9	15
50	Diastereoselective Synthesis of a Highly Substituted cis-Decahydroquinoline via a Knoevenagel Condensation. *Tetrahedron*, **2008**, 64, 6434-6439	2.4	14
49	Resolution of methyl nonactate by Rhodococcus erythropolis under aerobic and anaerobic conditions. *Organic Letters*, **2006**, 8, 443-5	6.2	14
48	A convenient one-step method for the deprotection and esterification of triphenylmethyl ethers. *Tetrahedron Letters*, **2000**, 41, 5799-5802	2	14
47	Synthesis of (1R,3R,5S)-1-Amino-3-(hydroxymethyl)bicyclo[3.1.0]hexane as a Precursor for the Synthesis of Carbocyclic Nucleosides. *Journal of Organic Chemistry*, **1994**, 59, 5336-5342	4.2	14
46	Synthesis and cytotoxic activity of MOM-ether analogs of isosteviol. *Bioorganic and Medicinal Chemistry Letters*, **2014**, 24, 1184-7	2.9	12
45	The synthesis of 5-substituted ring E analogs of methyllycaconitine via the Suzuki-Miyaura cross-coupling reaction. *Bioorganic and Medicinal Chemistry*, **2008**, 16, 3816-24	3.4	12
44	Natural products in parallel synthesis: triazole libraries of nonactic acid. *Bioorganic and Medicinal Chemistry Letters*, **2008**, 18, 3946-9	2.9	12
43	Identification of a novel selective and potent inhibitor of glycogen synthase kinase-3. *American Journal of Physiology - Cell Physiology*, **2019**, 317, C1289-C1303	5.4	11

42	Three-Membered Ring Systems. *Progress in Heterocyclic Chemistry*, **2013**, 25, 47-69	0.8	10
41	Ligand-induced changes in T box antiterminator RNA stability. *Chemical Biology and Drug Design*, **2012**, 79, 202-8	2.9	10
40	Effects of methyllycaconitine and related analogues on bovine adrenal alpha3beta4* nicotinic acetylcholine receptors. *Annals of the New York Academy of Sciences*, **2002**, 971, 139-41	6.5	10
39	Cholinergic agents: effect of methyl substitution in a series of arecoline derivatives on binding to muscarinic acetylcholine receptors. *Journal of Pharmaceutical Sciences*, **1992**, 81, 1015-9	3.9	10
38	A formal [3+2] cycloaddition for the synthesis of bicyclo[3.2.1]octanes. *Tetrahedron Letters*, **2009**, 50, 1261-1263	2	9
37	Synthesis of oligo(5-aminopentanoic acid)-nucleobases (APN): potential antisense agents. *Bioorganic and Medicinal Chemistry Letters*, **1997**, 7, 3135-3138	2.9	9
36	Phenylmethimazole and a thiazole derivative of phenylmethimazole inhibit IL-6 expression by triple negative breast cancer cells. *European Journal of Pharmacology*, **2017**, 803, 130-137	5.3	8
35	Defining the putative inhibitory site for a selective negative allosteric modulator of human □□ neuronal nicotinic receptors. *ACS Chemical Neuroscience*, **2012**, 3, 682-92	5.7	8
34	Chapter 3: Three-Membered Ring Systems. *Progress in Heterocyclic Chemistry*, **2009**, 69-93	0.8	8
33	Antitumor Activities of the Novel Isosteviol Derivative 10C Against Liver Cancer. *Anticancer Research*, **2017**, 37, 1591-1601	2.3	8
32	Modulation of LPS-induced inflammatory cytokine production by a novel glycogen synthase kinase-3 inhibitor. *European Journal of Pharmacology*, **2020**, 883, 173340	5.3	7
31	A facile synthesis of a polyhydroxylated 2-azabicyclo[3.2.1]octane. *Journal of Organic Chemistry*, **2007**, 72, 1024-6	4.2	7
30	Synthesis and antiviral activity of novel aza-acyclonucleosides. *Nucleosides & Nucleotides*, **1999**, 18, 227-38		7
29	Simple modifications to methimazole that enhance its inhibitory effect on tumor necrosis factor-□nduced vascular cell adhesion molecule-1 expression by human endothelial cells. *European Journal of Pharmacology*, **2015**, 751, 59-66	5.3	6
28	Chapter 3: Three-membered ring systems. *Progress in Heterocyclic Chemistry*, **2009**, 20, 47-73	0.8	6
27	Alkyl substituted 3-PPP derivatives. Synthesis and biological investigation. *Journal of Heterocyclic Chemistry*, **1989**, 26, 1125-1128	1.9	6
26	3D-QSAR and 3D-QSSR models of negative allosteric modulators facilitate the design of a novel selective antagonist of human □□ neuronal nicotinic acetylcholine receptors. *Bioorganic and Medicinal Chemistry Letters*, **2012**, 22, 1797-813	2.9	5
25	Studies on the ring opening reactions of 3-oxa-1-azabicyclo[3.1.0]hexan-2-ones. Synthesis of aminomethyl oxazolidinones and aziridinyl ureas. *Tetrahedron*, **2012**, 68, 3980-3987	2.4	5

24	Three-Membered Ring Systems. *Progress in Heterocyclic Chemistry*, **2012**, 89-113	0.8	4
23	Synthesis of a functionalized oxabicyclo[2.2.1]-heptene-based chemical library. *Combinatorial Chemistry and High Throughput Screening*, **2012**, 15, 81-9	1.3	4
22	Synthesis of Hexahydro-1H-benzo[c]chromen-1-amines via the Intramolecular Ring-Opening Reactions of Aziridines by Nucleophiles. *Synthesis*, **2008**, 2008, 1420-1430	2.9	4
21	Ring expansion of substituted norbornadienes for the synthesis of mono- and disubstituted 2-azabicyclo[3.2.1]octadienes. *Tetrahedron Letters*, **2008**, 49, 5363-5365	2	4
20	Structure-activity studies of quinuclidinone analogs as anti-proliferative agents in lung cancer cell lines. *Bioorganic and Medicinal Chemistry Letters*, **2006**, 16, 1156-9	2.9	4
19	A small-molecule pan-class I glucose transporter inhibitor reduces cancer cell proliferation in vitro and tumor growth in vivo by targeting glucose-based metabolism. *Cancer & Metabolism*, **2021**, 9, 14	5.4	4
18	Development of a Method for the Synthesis of 4-Aryl-Functionalized 2-Azabicyclo[3.2.1]octanes. *Synthesis*, **2017**, 49, 2733-2742	2.9	3
17	Substitution effects in intramolecular aziridine allylsilane cyclizations. *Tetrahedron*, **2009**, 65, 741-747	2.4	3
16	Natural product derivatives with bactericidal activity against Gram-positive pathogens including methicillin-resistant Staphylococcus aureus and vancomycin-resistant Enterococcus faecalis. *Bioorganic and Medicinal Chemistry Letters*, **2010**, 20, 5936-8	2.9	3
15	Chapter 3 Three-membered ring systems. *Progress in Heterocyclic Chemistry*, **2008**, 19, 70-91	0.8	3
14	Three-membered ring systems (2005). *Progress in Heterocyclic Chemistry*, **2007**, 81-105	0.8	3
13	A novel GSK-3 inhibitor binds to GSK-3 via a reversible, time and Cys-199-dependent mechanism. *Bioorganic and Medicinal Chemistry*, **2021**, 40, 116179	3.4	3
12	An Improved Synthesis of Functionalized cis-Decahydroquinolines Using a Baylis-Hillman-Type Adduct. *Heterocycles*, **2012**, 84, 1289	0.8	2
11	Three-Membered Ring Systems. *Progress in Heterocyclic Chemistry*, **2011**, 75-100	0.8	2
10	Three-Membered Ring Systems. *Progress in Heterocyclic Chemistry*, **2011**, 59-83	0.8	2
9	Synthesis and hybridization studies of a 5-aminopentanoic acid nucleobase (APN) dimer. *Nucleosides, Nucleotides and Nucleic Acids*, **2002**, 21, 111-23	1.4	2
8	Routes to N-glycinamide oxazolidinone derivatives: The reaction of 4-trityloxymethyl-3-oxa-1-azabicyclo[3.1.0]hexan-2-one with active halides. *Arkivoc*, **2020**, 2019, 40-52	0.9	1
7	Isosteres of ester derived glucose uptake inhibitors. *Bioorganic and Medicinal Chemistry Letters*, **2020**, 30, 127406	2.9	1

6	RNA drug discovery: Conformational restriction enhances specific modulation of the T-box riboswitch function. *Bioorganic and Medicinal Chemistry*, **2020**, 28, 115696	3.4	0
5	Evidence for investigating GSK-3 inhibitors as potential therapeutics for severe COVID-19.. *Biochemical and Biophysical Research Communications*, **2022**, 605, 171-176	3.4	0
4	Structure activity studies of ring E analogues of methyllycaconitine. Part 2: Synthesis of antagonists to the ▯▯* nicotinic acetylcholine receptors through modifications to the ester. *Bioorganic and Medicinal Chemistry Letters*, **2004**, 14, 3739-3739	2.9	
3	Small Molecule Inhibition of IFN-▯nduced Major Histocompatibility Complex Class II Expression by Thyroid Cells. *FASEB Journal*, **2018**, 32, 842.9	0.9	
2	A Novel Potent and Selective Inhibitor of Glycogen Synthase Kinase-3 (GSK-3). *FASEB Journal*, **2018**, 32, 842.8	0.9	
1	A Synthesis of Hexahydro-H-oxazolo[3,4-a]pyrazin-3-ones from Fused Aziridines. *Heterocycles*, **2016** , 93, 422	0.8	