

William H Pearson

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/11999673/publications.pdf>

Version: 2024-02-01

93
papers

3,749
citations

81900

39
h-index

161849

54
g-index

116
all docs

116
docs citations

116
times ranked

2287
citing authors

#	ARTICLE	IF	CITATIONS
1	Configurational stability of chiral, nonconjugated nitrogen-substituted organolithium compounds generated by tin-lithium exchange of N-[(1-tri-n-butylstannyl)alkyl]imidazolidin-2-ones and -oxazolidin-2-ones. <i>Journal of the American Chemical Society</i> , 1993, 115, 2622-2636.	13.7	148
2	Stereochemical studies on chiral, nonconjugated, nitrogen-substituted carbanions generated by tin-lithium exchange. <i>Journal of the American Chemical Society</i> , 1991, 113, 8546-8548.	13.7	109
3	Total Synthesis of the Kopsialapidilecta Alkaloid ($\hat{\Delta}$) -Lapidilectine B. <i>Journal of Organic Chemistry</i> , 2004, 69, 9109-9122.	3.2	104
4	Synthesis of Benzo-Fused 1-Azabicyclo[m.n.0]alkanes via the Schmidt Reaction: A Formal Synthesis of Gephyrotoxin. <i>Journal of Organic Chemistry</i> , 2000, 65, 7158-7174.	3.2	101
5	Intramolecular Schmidt reactions of azides with carbocations: synthesis of bridged-bicyclic and fused-bicyclic tertiary amines. <i>Journal of the American Chemical Society</i> , 1993, 115, 10183-10194.	13.7	94
6	Total Synthesis of the Kopsia lapidilecta Alkaloid ($\hat{\Delta}$) -Lapidilectine B. <i>Journal of the American Chemical Society</i> , 2001, 123, 6724-6725.	13.7	93
7	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. <i>Journal of Organic Chemistry</i> , 1990, 55, 5719-5738.	3.2	76
8	Synthesis of Novel Glycosidase-Inhibitory Hydroxymethyl-Substituted Polyhydroxylated Indolizidines: Ring-Expanded Analogs of the Pyrrolizidine Alkaloids Alexine and Australine. <i>Journal of Organic Chemistry</i> , 1996, 61, 5546-5556.	3.2	76
9	Generation of 2-azaallyl anions by the transmetalation of N-(trialkylstannyl)methanimines. Pyrrolidine synthesis by [3 + 2] cycloadditions with alkenes. <i>Journal of the American Chemical Society</i> , 1992, 114, 1329-1345.	13.7	75
10	Cycloadditions of Nonstabilized 2-Azaallyllithiums (2-Azaallyl Anions) and Azomethine Ylides with Alkenes: [3+2] Approaches to Pyrrolidines and Application to Alkaloid Total Synthesis. <i>Synlett</i> , 2003, 2003, 0903-0921.	1.8	75
11	The intramolecular cycloaddition of azides with β -chloroalkenes. A facile route to ($\hat{\Delta}$) -swainsonine and other indolizidine alkaloids. <i>Tetrahedron Letters</i> , 1990, 31, 7571-7574.	1.4	74
12	Azidomethyl phenyl sulfide. A synthon for NH ₂ . <i>Journal of the American Chemical Society</i> , 1981, 103, 2483-2485.	13.7	73
13	Synthesis and mannosidase inhibitory activity of 3-benzyloxymethyl analogs of swainsonine. <i>Tetrahedron Letters</i> , 2001, 42, 8267-8271.	1.4	68
14	Aziridines and Azirines: Monocyclic. , 1996, , 1-60.		67
15	A Practical Synthesis of ($\hat{\Delta}$) -Swainsonine. <i>Journal of Organic Chemistry</i> , 1996, 61, 7217-7221.	3.2	63
16	Total Synthesis of (+)-Cocaine via Desymmetrization of meso-Dialdehyde. <i>Organic Letters</i> , 2004, 6, 3305-3308.	4.6	63
17	Approach to 6a-Epipretazettine and 6a-Epiprecriwelline via an Intramolecular 2-Azaallyl Anion Cycloaddition Reaction. <i>Journal of Organic Chemistry</i> , 1994, 59, 5662-5671.	3.2	62
18	Synthetic Studies on Lepadiformine Using the 2-Azaallyl Anion Method. <i>Journal of Organic Chemistry</i> , 1999, 64, 688-689.	3.2	61

#	ARTICLE	IF	CITATIONS
19	Azomethine Ylides. Chemistry of Heterocyclic Compounds (New York, 1951): A Series of Monographs, 2003, , 169-252.	0.0	61
20	Nitrile Oxides. Chemistry of Heterocyclic Compounds (New York, 1951): A Series of Monographs, 2003, , 361-472.	0.0	60
21	Alkaloid synthesis via [3+2] cycloadditions. Pure and Applied Chemistry, 2002, 74, 1339-1347.	1.9	58
22	Synthesis of (-)-slafamine and related indolizidines. Journal of Organic Chemistry, 1992, 57, 3977-3987.	3.2	56
23	Total Syntheses of (+)-Australine and (âˆ™)-7-Epialexine. Journal of Organic Chemistry, 2000, 65, 5785-5793.	3.2	55
24	Synthetic studies on the perhydropyrrolo[2,1-j]quinoline marine alkaloids lepadiformine and cylindricine C using a 2-azapentadienyl anion cycloaddition. Synthesis of 2,13-diepilepadiformine (or) Tj ETQq0 0 0 rBT /Overlock 10 Tf		
25	Lithium perchlorate-assisted substitution reactions of allylic acetates and allylic alcohols. Journal of Organic Chemistry, 1992, 57, 2986-2987.	3.2	53
26	A new strategy for the synthesis of spiro ketals. Journal of Organic Chemistry, 1983, 48, 3865-3866.	3.2	50
27	Assembly of 3a-Arylperhydroindoles by the Intramolecular Cycloaddition of 2-Azaallyl Anions with Alkenes. Total Syntheses of (Â±)-Crinine, (Â±)-6-Epicrinine, (âˆ™)-Amabiline, and (âˆ™)-Augustamine. Journal of Organic Chemistry, 1998, 63, 3607-3617.	3.2	50
28	Synthesis of Amines by the Intermolecular Schmidt Reaction of Aliphatic Azides with Carbocations. Journal of Organic Chemistry, 1995, 60, 4960-4961.	3.2	49
29	Generation of synthetic equivalents of RCH(Li)NH ₂ for the synthesis of primary amines. Tin-lithium exchange on carbamate-protected (.alpha.-aminoalkyl)stannanes. Journal of Organic Chemistry, 1989, 54, 5651-5654.	3.2	48
30	A synthesis of (+)-7-Epiaustraline and (âˆ™)-7-Epialexine. Tetrahedron Letters, 1991, 32, 5513-5516.	1.4	48
31	Short, Efficient Syntheses of the Amaryllidaceae Alkaloids (-)-Amabiline and (-)-Augustamine via Intramolecular 2-Azaallyl Anion Cycloadditions. Journal of the American Chemical Society, 1995, 117, 12336-12337.	13.7	46
32	A Three-Component, One-Pot Synthesis of Indolizidines and Related Heterocycles via the [3+2] Cycloaddition of Nonstabilized Azomethine Ylides. Journal of Organic Chemistry, 2004, 69, 1919-1939.	3.2	46
33	Solid-phase synthesis of pyrrolidines via 2-azaallyl anion cycloadditions with alkenes. Tetrahedron Letters, 1997, 38, 7669-7672.	1.4	45
34	Azidomercurations of Alkenes:Â Mercury-Promoted Schmidt Reactions. Journal of Organic Chemistry, 2000, 65, 8326-8332.	3.2	45
35	Synthesis of Tetrahydroxyquinolizidines:Â Ring-Expanded Analogs of the Mannosidase Inhibitor Swainsonine. Journal of Organic Chemistry, 1996, 61, 5537-5545.	3.2	44
36	Nitrones. Chemistry of Heterocyclic Compounds (New York, 1951): A Series of Monographs, 2003, , 1-81.	0.0	44

#	ARTICLE	IF	CITATIONS
37	Synthesis of fused pyrrolines by the intramolecular cycloaddition of azides application to the pyrrolizidine alkaloids.. Tetrahedron Letters, 1985, 26, 3527-3530.	1.4	43
38	Synthesis of (+)-gamma-lycorane by the intramolecular cycloaddition of an azide with an omega-chloroalkene. Journal of Organic Chemistry, 1992, 57, 6783-6789.	3.2	43
39	Sulfur activation of azides toward addition of organometallics. Amination of aliphatic carbanions. Journal of the American Chemical Society, 1983, 105, 1054-1056.	13.7	42
40	Total Synthesis of (±)-Quinolizidine 217A. Journal of Organic Chemistry, 1998, 63, 9910-9918.	3.2	42
41	Intramolecular 2-azaallyl anion cycloadditions. Application to the synthesis of fused bicyclic pyrrolidines. Journal of the American Chemical Society, 1986, 108, 2769-2771.	13.7	40
42	Application of the 2-Azaallyl Anion Cycloaddition Method to an Enantioselective Total Synthesis of (+)-Coccinine. Angewandte Chemie - International Edition, 1998, 37, 1724-1726.	13.8	40
43	Diazoalkanes. Chemistry of Heterocyclic Compounds (New York, 1951): A Series of Monographs, 2003, , 539-621.	0.0	40
44	An efficient synthesis of (±)-crinane using an intramolecular azide-olefin cycloaddition. Tetrahedron, 1996, 52, 3107-3116.	1.9	37
45	An improved method for the preparation of pyrrolidines by the cycloaddition of nonstabilized 2-azaallyl anions with alkenes. Journal of Organic Chemistry, 1992, 57, 6354-6357.	3.2	36
46	Application of the 2-azaallyl anion cycloaddition method to syntheses of (±)-crinine and (±)-6-epicrinine. Tetrahedron Letters, 1994, 35, 9173-9176.	1.4	36
47	The Synthesis of Triazole Analogues of Antitumor Dehydropyrrolizidine Alkaloids. Synthesis, 1990, 1990, 156-159.	2.3	35
48	A synthesis of the naphthalene core of streptovaricin D via A synthon of NH ₂ ⁺ . Tetrahedron Letters, 1983, 24, 269-272.	1.4	34
49	Transmetalation of n-(trialkylstannyl)methylimines. A new method for the generation and cycloaddition of 2-azaallyl anions.. Tetrahedron Letters, 1988, 29, 761-764.	1.4	34
50	An intramolecular, Schmidt reaction of an alkyl azide with a carbocation. The generation and rearrangement of a conformationally restricted secondary aminodiazonium ion.. Tetrahedron Letters, 1992, 33, 5291-5294.	1.4	33
51	Synthesis of the novel mannosidase inhibitors (3R)- and (3S)-3-(hydroxymethyl)swainsonine. Tetrahedron, 1997, 53, 11021-11032.	1.9	33
52	Approach to the Homoerythrina Alkaloids Using a Tandem N-Alkylation/Azomethine Ylide Cycloaddition. Journal of Organic Chemistry, 2007, 72, 4135-4148.	3.2	33
53	Synthesis and mannosidase inhibitory activity of 6- and 7-substituted analogs of swainsonine. Tetrahedron Letters, 2001, 42, 8273-8276.	1.4	32
54	Generation and cycloaddition of heteroatom-substituted 2-azaallyl anions with alkenes and alkynes. Synthesis of 1-pyrrolines and pyrroles. Tetrahedron Letters, 1994, 35, 2641-2644.	1.4	31

#	ARTICLE	IF	CITATIONS
55	[3 + 2] and [3 + 3] Cycloadditions of Azides with Allylic Carbocations. <i>Journal of Organic Chemistry</i> , 1994, 59, 2682-2684.	3.2	31
56	Intramolecular azide-diene cycloadditions. An approach to fused bicyclic 3-pyrrolines based on a one-pot nitrene-diene cycloaddition equivalent.. <i>Tetrahedron Letters</i> , 1986, 27, 6301-6304.	1.4	30
57	Nonstabilized N-Unsubstituted Azomethine Ylides: A Synthesis of Indolizidine 239CD. <i>Organic Letters</i> , 1999, 1, 349-352.	4.6	30
58	Formal Synthesis of Aspidosperma Alkaloids via the Intramolecular [3 + 2] Cycloaddition of 2-Azapentadienyllithiums. <i>Organic Letters</i> , 2006, 8, 1661-1664.	4.6	30
59	Synthesis of (±)tylophorine by the intramolecular cycloaddition of an azide with an α -chloroalkene. <i>Tetrahedron</i> , 1994, 50, 12293-12304.	1.9	29
60	The intramolecular Schmidt reaction of azides with tertiary alcohols: Synthesis of 5-(1-naphthyl)- and 5-(2-naphthyl)indolizidines as potential dopamine analogs and non-opiate antinociceptive agents. <i>Tetrahedron</i> , 1996, 52, 12039-12048.	1.9	29
61	The generation and cycloaddition of 2-azaallyl anions and azomethine ylides from a common precursor. A novel synthesis of indolizidines and other heterocycles. <i>Tetrahedron Letters</i> , 1997, 38, 5441-5444.	1.4	29
62	Cycloaddition of Heteroatom-Substituted 2-Azaallyl Anions with Alkenes. Synthesis of 1-Pyrrolines and Bridged Azabicyclic Compounds. <i>Journal of Organic Chemistry</i> , 1998, 63, 9812-9827.	3.2	29
63	A synthesis of (-)-sflaframine and (-)-1,8a-diepisflaframine. <i>Journal of Organic Chemistry</i> , 1991, 56, 1976-1978.	3.2	28
64	Reactions of Azides with Electrophiles: New Methods for the Generation of Cationic 2-Azabutadienes. Synthesis of 1,2,3,4-tetrahydroquinolines and 1,2-dihydroquinolines via a Hetero Diels-Alder Reaction. <i>Israel Journal of Chemistry</i> , 1997, 37, 39-46.	2.3	28
65	Synthesis of novel polyhydroxylated quinolizidines: Ring expanded analogs of glycosidase inhibitory indolizidines. <i>Tetrahedron Letters</i> , 1993, 34, 8221-8224.	1.4	25
66	A Schmidt route to 1-azabicyclo[x.y.0]alkanes: a comparison of carbocation stabilizing groups. <i>Tetrahedron</i> , 2001, 57, 5081-5089.	1.9	24
67	Thiocarbonyl Ylides. <i>Chemistry of Heterocyclic Compounds (New York, 1951): A Series of Monographs</i> , 2003, , 315-360.	0.0	23
68	Azides. <i>Chemistry of Heterocyclic Compounds (New York, 1951): A Series of Monographs</i> , 2003, , 623-679.	0.0	23
69	Mesoionic Ring Systems. <i>Chemistry of Heterocyclic Compounds (New York, 1951): A Series of Monographs</i> , 2003, , 681-753.	0.0	22
70	The design and synthesis of YC-1 analogues as probes for soluble guanylate cyclase. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2006, 16, 618-621.	2.2	22
71	Generation of 2-azapentadienyl anions and their cycloaddition with alkenes. Synthesis of 2-alkenylpyrrolidines. <i>Tetrahedron Letters</i> , 1994, 35, 7001-7004.	1.4	21
72	Aliphatic azides as Lewis bases. Application to the synthesis of heterocyclic compounds. <i>Journal of Heterocyclic Chemistry</i> , 1996, 33, 1489-1496.	2.6	21

#	ARTICLE	IF	CITATIONS
73	Double Allylation Reactions of (2-Azaallyl)stannanes: Synthesis of N,N-Bis(3-butenyl)amines and Their Conversion to 2,3,6,7-Tetrahydroazepines via Ring-Closing Metathesis. <i>Organic Letters</i> , 2001, 3, 1327-1330.	4.6	21
74	Formation and cycloaddition of nonstabilized N-unsubstituted azomethine ylides from (2-azaallyl)stannanes and (2-azaallyl)silanes. <i>Tetrahedron Letters</i> , 1999, 40, 4467-4471.	1.4	19
75	Synthesis of N,N-Bis(3-butenyl)amines from 2-Azaallyl Dication Synthetic Equivalents and Conversion to 2,3,6,7-Tetrahydroazepines by Ring-Closing Metathesis. <i>Journal of Organic Chemistry</i> , 2006, 71, 3533-3539.	3.2	17
76	Carbonyl Ylides. <i>Chemistry of Heterocyclic Compounds (New York, 1951): A Series of Monographs</i> , 2003, , 253-314.	0.0	16
77	Assembly of the gephyrotoxin ring system via a [4+1] approach to 3-pyrrolines. <i>Tetrahedron Letters</i> , 1989, 30, 6661-6664.	1.4	15
78	Nitrile Ylides and Nitrile Imines. <i>Chemistry of Heterocyclic Compounds (New York, 1951): A Series of Monographs</i> , 2003, , 473-537.	0.0	15
79	Azomethine Ylides from Tin-Substituted Cyclic Carbinol Amides: A New Route to Highly Substituted Pyrrolizidines. <i>Organic Letters</i> , 2004, 6, 1005-1008.	4.6	15
80	Studies on the asymmetric cycloaddition of 2-azaallyl anions with alkenes. <i>Tetrahedron Letters</i> , 2001, 42, 7361-7365.	1.4	13
81	Preparation of immobilized swainsonine analogs on solid support. <i>Tetrahedron Letters</i> , 2002, 43, 2175-2178.	1.4	12
82	Novel Kumada Coupling Reaction to Access Cyclic (2-Azaallyl)stannanes. Cycloadditions of Cyclic Nonstabilized 2-Azaallyllithium Species Derived from Cyclic (2-Azaallyl)stannanes. <i>Journal of Organic Chemistry</i> , 2004, 69, 6419-6426.	3.2	12
83	Cycloadditions of Nonstabilized 2-Azaallyllithiums with Cycloheptatriene. <i>Organic Letters</i> , 2002, 4, 3099-3102.	4.6	11
84	Cycloadditions of 2-Azaallyllithium Species with Conjugated Polyenes. <i>Journal of Organic Chemistry</i> , 2004, 69, 1235-1247.	3.2	11
85	Nitronates. <i>Chemistry of Heterocyclic Compounds (New York, 1951): A Series of Monographs</i> , 2003, , 83-167.	0.0	10
86	2-(3-Pyrrolin-1-yl)-1,4-naphthoquinones: Photoactivated Alkylating Agents. <i>European Journal of Organic Chemistry</i> , 2008, 2008, 4264-4276.	2.4	8
87	Asymmetric Reactions. <i>Chemistry of Heterocyclic Compounds (New York, 1951): A Series of Monographs</i> , 2003, , 817-899.	0.0	7
88	Effect of External Reagents. <i>Chemistry of Heterocyclic Compounds (New York, 1951): A Series of Monographs</i> , 2003, , 755-815.	0.0	4
89	The Synthesis of 9,10-Dihydro-10-(Methaniminomethano)Anthracene and N-Protected Derivatives Via Double Reductive Amination. <i>Synthetic Communications</i> , 2004, 34, 3481-3489.	2.1	3
90	Alkaloid Synthesis via [3 + 2] Cycloadditions. <i>ChemInform</i> , 2003, 34, no.	0.0	1

#	ARTICLE	IF	CITATIONS
91	Azomethine Ylides from Tin-Substituted Cyclic Carbinol Amides: A New Route to Highly Substituted Pyrrolizidines.. ChemInform, 2004, 35, no.	0.0	0
92	A Three-Component, One-Pot Synthesis of Indolizidines and Related Heterocycles via the [3 + 2] Cycloaddition of Nonstabilized Azomethine Ylides.. ChemInform, 2004, 35, no.	0.0	0
93	Novel Kumada Coupling Reaction to Access Cyclic (2-Azaallyl)stannanes. Cycloadditions of Cyclic Nonstabilized 2-Azaallyllithium Species Derived from Cyclic (2-Azaallyl)stannanes.. ChemInform, 2005, 36, no.	0.0	0