Joseph B Sweeney

List of Publications by Year
in descending order

61 papers	2,811 citations	257101 24 h-index	174990 52 g-index
66 all docs	66 docs citations	66 times ranked	2109 citing authors

#	Article	IF	Citations
1	Aziridines: epoxidesâ€™ ugly cousins?. Chemical Society Reviews, 2002, 31, 247-258.	18.7	824
2	The asymmetric synthesis of aziridines. Tetrahedron: Asymmetry, 1997, 8, 1693-1715.	1.8	459
3	Sigmatropic rearrangements of â€˜oniumâ€™ ylids. Chemical Society Reviews, 2009, 38, 1027.	18.7	201
4	Amino acid synthesis via ring opening of N-sulphonyl aziridine-2-carboxylate esters with organometallic reagents.. Tetrahedron, 1993, 49, 6309-6330.	1.0	106
5	The ring opening of aziridine-2-carboxylate esters with organometallic reagents. Journal of the Chemical Society Chemical Communications, 1989, , 1852.	2.0	83
6	Aziridine Synthesis via Nucleophilic Attack of Carbene Equivalents on Imines: the Azaâ€Darzens Reaction. European Journal of Organic Chemistry, 2009, 2009, 4911-4919.	1.2	78
7	Asymmetric [2,3]-Rearrangement of Glycine-Derived Allyl Ammonium Ylids. Journal of the American Chemical Society, 2005, 127, 1066-1067.	6.6	75
8	Reactions of a glycidyl radical equivalent with 2-functionalised allyl stannanes. Journal of the Chemical Society Chemical Communications, 1988, , 1030.	2.0	52
9	Preparation and Reactions of 3,4-Bis(tributylstannyl)-2(5H)-furanone. Journal of Organic Chemistry, 1999, 64, 328-329.	1.7	48
10	Preparation and ring-opening reactions of N-Diphenylphosphinyl aziridines. Tetrahedron, 1998, 54, 2181-2208.	1.0	47
11	Bidentates versus Monodentates in Asymmetric Hydrogenation Catalysis: Synergic Effects on Rate and Allosteric Effects on Enantioselectivity. Journal of the American Chemical Society, 2008, 130, 6840-6847.	6.6	45
12	A Robust First-Pass Protocol for the Heckâ€“Mizoroki Reaction. Organic Process Research and Development, 2013, 17, 397-405.	1.3	45
13	An iron-catalysed Câ€“C bond-forming spirocyclization cascade providing sustainable access to new 3D heterocyclic frameworks. Nature Chemistry, 2017, 9, 396-401.	6.6	44
14	A Simple, Broadâ€Scope Nickel(0) Precatalyst System for the Direct Amination of Allyl Alcohols. Angewandte Chemie - International Edition, 2018, 57, 10202-10206.	7.2	37
15	Enantioselective synthesis of monocerin and fusarentin ethers: Antifungal and insecticidal fungal metabolites.. Tetrahedron Letters, 1992, 33, 7569-7572.	0.7	36
16	A New Class of Ammonium Ylid for [2,3]-Sigmatropic Rearrangement Reactions:â€‰ene-endo-Spiro Ylids. Organic Letters, 2005, 7, 2075-2078.	2.4	34
17	Preparation and reactions of 3- and 4-tributylstannyl-2-(5H)-furanones: Preparation of aryl furanones. Tetrahedron Letters, 1992, 33, 7049-7052.	0.7	33
18	First Efficient and General Copper-Catalyzed [2,3]-Rearrangement of Tetrahydropyridinium Ylids. Organic Letters, 2003, 5, 4775-4777.	2.4	33

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19	Asymmetric aziridine synthesis by aza-Darzens reaction of N-diphenylphosphinylimines with chiral enolates. Part 1: Formation of cis-aziridines. Tetrahedron, 2006, 62, 3681-3693.	1.0	33
20	Oxadiazole isomers: all bioisosteres are not created equal. MedChemComm, 2012, 3, 600.	3.5	33
21	[2,3]-Sigmatropic rearrangements of didehydropiperidinium ylids. Tetrahedron, 2002, 58, 10113-10126.	1.0	31
22	Copper(II)-Catalyzed [2,3]-Sigmatropic Rearrangement of N-Methyltetrahydropyridinium Ylids. Journal of Organic Chemistry, 2003, 68, 4083-4086.	1.7	29
23	A practical alternative to sulfonyl activation of aziridines: Ring-opening of N-diphenylphosphinoyl aziridines by carbon nucleophiles. Tetrahedron Letters, 1994, 35, 2739-2742.	0.7	28
24	Synthesis of Aziridines. , 2006, , 117-144.		28
25	Tandem Aryneâ€Capture/Sigmatropic Rearrangement as a Metalâ€Free Entry to Functionalized Nâ€Aryl Pyrrolidines. Chemistry - A European Journal, 2017, 23, 101-104.	1.7	27
26	Asymmetric aziridine synthesis by aza-Darzens reaction of N-diphenylphosphinylimines with chiral enolates. Part 2: Inversion of diastereoselectivity. Tetrahedron, 2006, 62, 3694-3703.	1.0	26
27	Direct preparation of N-diphenylphosphinoyl aziridines from 1,2-aminoalcohols utilizing nucleofugacity of diphenylphosphinates. Tetrahedron Letters, 1994, 35, 3159-3162.	0.7	25
28	Improved synthesis of Î±-Methylene-Î³-lactones organotin reagents. Tetrahedron Letters, 1986, 27, 5423-5424.	0.7	22
29	Preparation and reactions of 3,4-bisstannyl-2(5H)furanones. Tetrahedron, 2002, 58, 9117-9129.	1.0	22
30	Catalytic Câ^'C Bond Formation Using a Simple Nickel Precatalyst System: Baseâ€•and Activatorâ€Free Direct Câ€Allylation by Alcohols and Amines. Chemistry - A European Journal, 2018, 24, 7354-7357.	1.7	20
31	Preparation and ring-opening reactions of N,O-bis(diphenylphosphinyl) hydroxymethylaziridine (â€˜Di-Dppâ€™). Tetrahedron, 2003, 59, 3677-3690.	1.0	18
32	Riluzoleâ€“Triazole Hybrids as Novel Chemical Probes for Neuroprotection in Amyotrophic Lateral Sclerosis. ACS Medicinal Chemistry Letters, 2018, 9, 552-556.	1.3	17
33	Asymmetric ammonium ylid rearrangements: the effect of nitrogen asymmetry. Tetrahedron, 2006, 62, 11506-11512.	1.0	15
34	Diastereospecific hydroxyiodination of 1-acetoxycyclohex-2-ene via intramolecular delivery of oxygen. Tetrahedron Letters, 1994, 35, 1405-1408.	0.7	12
35	The First Preparation of Î²-Lactones by Radical Cyclization. Organic Letters, 2003, 5, 757-759.	2.4	12
36	Preparation and ring-opening reactions of N-diphenylphosphinyl vinyl aziridines. Beilstein Journal of Organic Chemistry, 2013, 9, 852-859.	1.3	12

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37	An Improved Method for Difluorocyclopropanation of Alkenes. Synlett, 2014, 25, 1756-1758.	1.0	11
38	The synthesis of isotopically labelled N-acetylcysteamine thioesters utilising a baker's yeast reduction in D2O. Bioorganic and Medicinal Chemistry Letters, 1991, 1, 223-226.	1.0	10
39	Hydroxyselenation of acetoxycyclohex-2-ene. Tetrahedron Letters, 1994, 35, 1781-1784.	0.7	10
40	Reaction Workup Planning: A Structured Flowchart Approach, Exemplified in Difficult Aqueous Workup of Hydrophilic Products. Journal of Chemical Education, 2015, 92, 488-496.	1.1	10
41	The creation and characterisation of a National Compound Collection: the Royal Society of Chemistry pilot. Chemical Science, 2016, 7, 3869-3878.	3.7	8
42	Catalytic sp³â€“sp³ Functionalisation of Sulfonamides: Lateâ€Stage Modification of Drugâ€Like Molecules. Chemistry - A European Journal, 2017, 23, 1494-1497.	1.7	7
43	A Simple, Broadâ€Scope Nickel(0) Precatalyst System for the Direct Amination of Allyl Alcohols. Angewandte Chemie, 2018, 130, 10359-10363.	1.6	7
44	Hydroxyselanylation of acyloxycyclohex-3-enes. Tetrahedron, 2007, 63, 2729-2737.	1.0	6
45	Diastereospecific hydroxyselenation of cyclohex-2-enyl phenylglycinates. Tetrahedron: Asymmetry, 1994, 5, 177-180.	1.8	5
46	Substituent effects in hydroxyiodination of 1,2-diacyloxycyclohex-3-enes. Tetrahedron, 2006, 62, 11565-11571.	1.0	5
47	Probing the Effect of Allylic Substitution on Cyclic Ammonium Ylid Rearrangements. Synlett, 2010, 2010, 664-666.	1.0	5
48	An Efficient Method for Reductive Amination of Carbonyl Compounds under Nonacidic Conditions. Synlett, 2012, 23, 2176-2178.	1.0	5
49	Synthesis of 3-Substituted Pyrrolidines via Palladium-Catalyzed Hydroarylation. IScience, 2018, 9, 328-336.	1.9	5
50	Parallel Kinetic Resolution of Intramolecular Furan Dielsâ€Alder Cycloadducts via Asymmetric Hydroboration. European Journal of Organic Chemistry, 2019, 2019, 7223-7227.	1.2	5
51	Factors influencing the regiochemistry of hydroxyiodination of 1,2-diacycloxycyclohex-3-enes. Tetrahedron Letters, 1998, 39, 8703-8706.	0.7	4
52	Preparation of a highly functionalized allylsilane for use in three-bond cascade reactions. Tetrahedron Letters, 1992, 33, 5591-5592.	0.7	3
53	Optimizing the Mizorokiâ€“Heck reaction of cyclic allyl amines: Gram-scale synthesis of preclamol without protecting groups. Journal of Catalysis, 2018, 360, 97-101.	3.1	3
54	Synthesis of a Protected keto-Lysidine Analogue via Improved Preparation of Arabino-isoCytosine Nucleosides. Organic Letters, 2019, 21, 2004-2007.	2.4	3

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55	Further hydroxyiodination of 1-acetoxycyclohex-2-enes: Preparation of tetraacetyl conduritol D. Tetrahedron Letters, 1996, 37, 6579-6582.	0.7	2
56	Double Coupling Reactions of 3,4-Bis(stannyl)furanone: Facile Preparation of Diaryl- and Dibenzylfuranones. Synlett, 2006, 2006, 1747-1749.	1.0	2
57	A Low-Temperature Ammonium Ylid Rearrangement: Enhanced Reactivity Engendered by Rigidity. Synlett, 2008, 2008, 2213-2214.	1.0	2
58	Alcohols, phenols, and ethers. Contemporary Organic Synthesis, 1994, 1, 243.	1.5	1
59	Stille Reactions of 2,3-Bis(stannyl)butenoates: An Unexpected Regioselectivity. Synlett, 2006, 2006, 1577-1579.	1.0	1
60	Catalytic Synthesis of Riboside-Amino Acid Hybrids. Synlett, 2013, 24, 2170-2172.	1.0	1
61	First Efficient and General Copper-Catalyzed [2,3]-Rearrangement of Tetrahydropyridinium Ylids.. ChemInform, 2004, 35, no.	0.1	0