Steven M Weinreb

List of Publications by Year
in descending order

84 papers	6,236 citations	71102 41 h-index	69250 77 g-index
106 all docs	106 docs citations	106 times ranked	4282 citing authors

#	Article	IF	Citations
1	N-methoxy-n-methylamides as effective acylating agents. Tetrahedron Letters, 1981, 22, 3815-3818.	1.4	1,697
2	An Alternative Procedure for the Aluminum-Mediated Conversion of Esters to Amides. Synthetic Communications, 1982, 12, 989-993.	2.1	388
3	A Study of the Scope and Regioselectivity of the Ruthenium-Catalyzed [3 + 2]-Cycloaddition of Azides with Internal Alkynes. Journal of Organic Chemistry, 2006, 71, 8680-8683.	3.2	224
4	Some recent advances in the synthesis of polycyclic imidazole-containing marine natural products. Natural Product Reports, 2007, 24, 931.	10.3	164
5	Î²-Trimethylsilylethanesulfonyl chloride (SES-Cl): A new reagent for protection of amines. Tetrahedron Letters, 1986, 27, 2099-2102.	1.4	157
6	N-sulfonyl imines â€" Useful synthons in stereoselective organic synthesis. Topics in Current Chemistry, 1997, , 131-184.	4.0	139
7	tert-Butylsulfonyl (Bus), a New Protecting Group for Amines. Journal of Organic Chemistry, 1997, 62, 8604-8608.	3.2	135
8	Studies on Total Synthesis of the Cylindricine/Fasicularin/Lepadiformine Family of Tricyclic Marine Alkaloids. Chemical Reviews, 2006, 106, 2531-2549.	47.7	126
9	Total Synthesis of the Antitumor Marine Sponge Alkaloid Agelastatin A. Journal of the American Chemical Society, 1999, 121, 9574-9579.	13.7	115
10	In Vitro Hepatotoxicity of the Cyanobacterial Alkaloid Cylindrospermopsin and Related Synthetic Analogues. Toxicological Sciences, 2002, 67, 81-87.	3.1	107
11	Total Synthesis of the Polycyclic Fungal Metabolite (Â±)â€Communesinâ€…F. Angewandte Chemie - International Edition, 2010, 49, 2000-2003.	13.8	103
12	Total Syntheses of theSecurinegaAlkaloids (+)-14,15-Dihydronorsecurinine, (â˜)-Norsecurinine, and Phyllanthineâ€. Journal of Organic Chemistry, 2000, 65, 6293-6306.	3.2	102
13	Heterodienophile Additions to Dienes. , 1991, , 401-449.		97
14	Exploratory Synthetic Studies of the Î±-Methoxylation of AmidesviaCuprous Ion-Promoted Decomposition ofo-Diazobenzamidesâ€. Journal of Organic Chemistry, 1996, 61, 9483-9493.	3.2	89
15	Stereoselective Total Syntheses of the Racemic Form and the Natural Enantiomer of the Marine Alkaloid Lepadiformine via a NovelN-Acyliminium Ion/Allylsilane Spirocyclization Strategy. Journal of Organic Chemistry, 2002, 67, 4337-4345.	3.2	88
16	An Approach to the Total Synthesis of the Marine Ascidian Metabolite Perophoramidine via a Halogen-Selective Tandem Heck/Carbonylation Strategy. Organic Letters, 2003, 5, 1523-1526.	4.6	88
17	Explorations on the Total Synthesis of the Unusual Marine Alkaloid Chartelline A. Journal of Organic Chemistry, 2006, 71, 3159-3166.	3.2	84
18	An Intramolecular Nitroneâ˜'Olefin Dipolar Cycloaddition-Based Approach to Total Synthesis of the Cylindricine and Lepadiformine Marine Alkaloids. Journal of Organic Chemistry, 1999, 64, 4865-4873.	3.2	83

#	Article	IF	Citations
19	Total Synthesis of Ageladine A, an Angiogenesis Inhibitor from the Marine SpongeAgelas nakamurai. Organic Letters, 2006, 8, 1443-1446.	4.6	80
20	Lepadiformine:â€‰ A Case Study of the Value of Total Synthesis in Natural Product Structure Elucidation. Accounts of Chemical Research, 2003, 36, 59-65.	15.6	79
21	The First Examples of Ring-Closing Olefin Metathesis of Vinyl Chlorides. Organic Letters, 2003, 5, 2505-2507.	4.6	70
22	Total Synthesis of the Unusual Marine Alkaloid (-)-Papuamine Utilizing a Novel Imino Ene Reaction. Journal of the American Chemical Society, 1995, 117, 10905-10913.	13.7	67
23	Total synthesis of the Securinega alkaloids. Natural Product Reports, 2009, 26, 758.	10.3	67
24	A Convergent Stereoselective Synthesis of the Putative Structure of the Marine Alkaloid Lepadiformine via an Intramolecular Nitrone/1,3-Diene Dipolar Cycloaddition. Journal of Organic Chemistry, 1999, 64, 686-687.	3.2	65
25	BIOMIMETIC AND SYNTHETIC APPROACHES TO MARINE SPONGE ALKALOIDS DERIVED FROMBIS-PYRIDINE MACROCYCLES. A REVIEW. Organic Preparations and Procedures International, 1998, 30, 1-51.	1.3	62
26	Construction of Î²-Haloenamides via Direct Copper-Promoted Coupling of Lactams with 2-Chloro and 2-Bromo Vinyliodides. Organic Letters, 2006, 8, 1779-1781.	4.6	61
27	Synthetic Studies on Perophoramidine and the Communesins:Â Construction of the Vicinal Quaternary Stereocenters. Journal of Organic Chemistry, 2006, 71, 8891-8900.	3.2	60
28	Synthetic methodology based upon N-sulfinyl dienophile [4 + 2]-cycloaddition reactions. Accounts of Chemical Research, 1988, 21, 313-318.	15.6	59
29	A New Method for the Generation and Cyclization of Iminyl Radicals via the Hudson Reaction. Organic Letters, 1999, 1, 637-640.	4.6	58
30	A New Total Synthesis of the Marine Tunicate Alkaloid Lepadiformine. Organic Letters, 2001, 3, 3507-3510.	4.6	55
31	Imino Dielsâ^'Alder-Based Construction of a Piperidine A-Ring Unit for Total Synthesis of the Marine Hepatotoxin Cylindrospermopsinâ€. Journal of Organic Chemistry, 1996, 61, 4594-4599.	3.2	54
32	Total Synthesis of the Securinega Alkaloid (â^')-Secuâ€™amamine A. Journal of the American Chemical Society, 2008, 130, 7562-7563.	13.7	54
33	Further Studies on Total Synthesis of Sarain A. Efforts Toward Annulation of the Macrocyclic Rings. Journal of Organic Chemistry, 1999, 64, 587-595.	3.2	51
34	A mild new procedure for production, cyclization and trapping of amidyl radicals: application to a formal total synthesis of peduncularine. Tetrahedron Letters, 2000, 41, 2333-2337.	1.4	50
35	Î²-Tosylethylazide: a useful synthon for preparation of N-protected 1,2,3-triazoles via click chemistry. Tetrahedron Letters, 2006, 47, 3035-3038.	1.4	50
36	Evolution of a Strategy for Total Synthesis of the Marine Fungal Alkaloid (Â±)-Communesin F. Journal of Organic Chemistry, 2010, 75, 2667-2680.	3.2	47

#	Article	IF	Citations
37	Studies on Total Synthesis of the Cytotoxic Marine Alkaloid Agelastatin A. Journal of Organic Chemistry, 1998, 63, 7594-7595.	3.2	46
38	Development of efficient new methodology for generation, cyclization and functional trapping of iminyl and amidyl radicals. Tetrahedron, 2001, 57, 8779-8791.	1.9	46
39	A New Total Synthesis of the Zinc Matrixmetalloproteinase Inhibitor Ageladine A Featuring a Biogenetically Patterned 6Ï€-2-Azatriene Electrocyclization. Organic Letters, 2007, 9, 853-855.	4.6	46
40	Stereoselective Total Synthesis of the Cyanobacterial Hepatotoxin 7-Epicylindrospermopsin:â€‰ Revision of the Stereochemistry of Cylindrospermopsin. Journal of the American Chemical Society, 2001, 123, 8851-8853.	13.7	44
41	Application of a 6Ï€-1-Azatriene Electrocyclization Strategy to the Total Synthesis of the Marine Sponge Metabolite Ageladine A and Biological Evaluation of Synthetic Analogues. Journal of Organic Chemistry, 2007, 72, 4892-4899.	3.2	44
42	An efficacious method for the halogenation of Î²-dicarbonyl compounds under mildly acidic conditions. Tetrahedron Letters, 2005, 46, 4749-4751.	1.4	43
43	A convenient synthetic method for amide oxidation. Tetrahedron Letters, 1994, 35, 5813-5816.	1.4	42
44	A Mild, Convenient, and Inexpensive Procedure for Conversion of Vinyl Halides to Î±-Haloketones. Journal of Organic Chemistry, 2003, 68, 3323-3326.	3.2	41
45	Construction of an Advanced Tetracyclic Intermediate for Total Synthesis of the Marine Alkaloid Sarain A. Journal of Organic Chemistry, 2006, 71, 2078-2089.	3.2	41
46	A New Enantioselective Approach to Total Synthesis of the Securinega Alkaloids: Application to (â^')-Norsecurinine and Phyllanthine. Angewandte Chemie - International Edition, 2000, 39, 237-240.	13.8	39
47	.beta.-Tosylethylamine: A Useful Reagent for Preparation of N-Protected Amides, Carbamates, and Related Compounds. Application to Synthesis of .beta.-Lactams. Journal of Organic Chemistry, 1994, 59, 5856-5857.	3.2	35
48	Synthetic and stereochemical aspects of intramolecular [4 + 2] cycloadditions of N-acyl iminium compounds with alkene and alkyne dienophiles. Journal of Organic Chemistry, 1986, 51, 3248-3250.	3.2	34
49	Methodology for Regioselective Synthesis of Substituted Pyridines via Intramolecular Oximino Malonate Hetero Dielsâ^'Alder Reactions. Organic Letters, 2000, 2, 4007-4009.	4.6	34
50	Construction of Bridged and Fused Ring Systems via Intramolecular Michael Reactions of Vinylnitroso Compounds. Journal of the American Chemical Society, 2007, 129, 10342-10343.	13.7	34
51	Exploratory studies toward a total synthesis of the marine ascidian metabolite perophoramidine. Tetrahedron, 2009, 65, 6712-6719.	1.9	33
52	Studies on the Synthesis of Pinnaic Acid and Halichlorine. Stereoselective Preparation of a (Z)-Î´-Chloro-Î³,Î´-unsaturated-Î²-keto Phosphonate as a Side Chain Synthon. Journal of Organic Chemistry, 1998, 63, 6739-6741.	3.2	31
53	Synthesis of Î²-tosylethylhydrazine and its use in preparation of N-protected pyrazoles and 5-aminopyrazoles. Tetrahedron, 2004, 60, 901-906.	1.9	31
54	Total Syntheses of the Monoterpene Indole Alkaloids (Â±)-Alstilobanine A and E and (Â±)-Angustilodine. Journal of Organic Chemistry, 2014, 79, 7-24.	3.2	29

#	Article	IF	Citations
55	A convergent total synthesis of the marine sponge alkaloid ageladine A via a strategic 6Ï€-2-azatriene electrocyclization. Tetrahedron, 2007, 63, 9112-9119.	1.9	28
56	Total Synthesis of the Tetracyclic Antimalarial Alkaloid (Â±)â€Myrioneurinol. Angewandte Chemie - International Edition, 2014, 53, 14162-14165.	13.8	28
57	Total Synthesis of the Unusual Monoterpenoid Indole Alkaloid (Â±)â€Alstilobanineâ€…A. Angewandte Chemie - International Edition, 2012, 51, 12846-12849.	13.8	26
58	Efficient methodology for alkylation of vinylnitroso compounds with carbon nucleophiles. Tetrahedron Letters, 2010, 51, 2032-2035.	1.4	25
59	Construction of the Myrioneuron Alkaloids: A Total Synthesis of (Â±)-Myrioneurinol. Journal of Organic Chemistry, 2015, 80, 1116-1129.	3.2	23
60	Radical-based methodology for efficient generation of acyclic N-acylimines. Tetrahedron Letters, 2000, 41, 9199-9204.	1.4	22
61	Studies on total synthesis of cylindrospermopsin: new constructions of uracils from Î±,Î²-unsaturated esters. Tetrahedron Letters, 2000, 41, 4307-4310.	1.4	22
62	An approach to total synthesis of the cylindricine B pyridoquinoline subclass of tricyclic marine ascidian alkaloids. Tetrahedron Letters, 2006, 47, 3815-3818.	1.4	22
63	Investigation of the Stereochemistry of Intermolecular Conjugate Additions of Nucleophiles to Acyclic Nitrosoalkenes. Organic Letters, 2011, 13, 1258-1260.	4.6	22
64	Further Studies of Intramolecular Michael Reactions of Nitrosoalkenes for Construction of Functionalized Bridged Ring Systems. Journal of Organic Chemistry, 2011, 76, 2094-2101.	3.2	22
65	Total Syntheses of the Monoterpenoid Indole Alkaloids (Â±)â€Alstoscholarisineâ€…B and C. Angewandte Chemie - International Edition, 2017, 56, 16674-16676.	13.8	22
66	Catalytic Antibodies in Synthesis:Â Design and Synthesis of a Hapten for Application to the Preparation of a Scalemic Pyrrolidine Ring Synthon for Ptilomycalin A. Journal of Organic Chemistry, 1996, 61, 125-132.	3.2	20
67	Stereochemical investigation of conjugate additions of carbon- and heteronucleophiles to ring-substituted nitrosocyclohexenes. Tetrahedron, 2011, 67, 8229-8234.	1.9	16
68	A Î²-Hydroxyethyl Carbanion Equivalent. Journal of Organic Chemistry, 1997, 62, 3758-3761.	3.2	15
69	Synthesis of Alstoscholarisines Aâ€“E, Monoterpene Indole Alkaloids with Modulating Effects on Neural Stem Cells. Journal of Organic Chemistry, 2018, 83, 5877-5896.	3.2	15
70	Allylation of N-Sulfonyl Imines Produced In Situ from Aldehydes and N-Sulfinyl-p-toluenesulfonamide. Synthetic Communications, 1990, 20, 573-579.	2.1	14
71	Synthetic lessons from quinine. Nature, 2001, 411, 429-431.	27.8	14
72	Convergent Approach to the Tetracyclic Core of the Apparicine Class of Indole Alkaloids via a Key Intermolecular Nitrosoalkene Conjugate Addition. Journal of Organic Chemistry, 2014, 79, 6389-6393.	3.2	12

#	Article	IF	Citations
73	Synthetic applications of a novel pericyclic imino ene reaction of allenyl silanes. Journal of Heterocyclic Chemistry, 1996, 33, 1429-1436.	2.6	11
74	Development of methodology for amide oxidation and its application to total synthesis of securinega alkaloids. Journal of Heterocyclic Chemistry, 1996, 33, 1437-1443.	2.6	9
75	A Synthetic Equivalent for Ortho-Lithio-N-Methylaniline. Synthetic Communications, 1988, 18, 1035-1041.	2.1	7
76	Applications of Nâ€Sulfinyl Dienophile Dielsâ€Alder Cycloadditions to Synthesis of Unusual Amino Sugars. Bulletin Des SociÃ©tÃ©s Chimiques Belges, 1986, 95, 1021-1031.	0.0	6
77	Regioselective Î±-Monochlorination of N-Protected-3-piperidones. Heterocycles, 2012, 84, 577.	0.7	6
78	Studies of Intramolecular Cyclizations of N-Acyliminium Ions Derived from Acyclic Ketones:â€‰ Unanticipated Stereochemical and Structural Results. Organic Letters, 2003, 5, 2915-2918.	4.6	5
79	Synthetic Applications of Nâ€Sulfonyl Imines. Bulletin Des SociÃ©tÃ©s Chimiques Belges, 1992, 101, 381-392.	0.0	5
80	The Alstoscholarisine Alkaloids: Isolation, Structure Determination, Biogenesis, Biological Evaluation, and Synthesis. The Alkaloids Chemistry and Biology, 2019, 81, 115-150.	2.0	5
81	Total Syntheses of the Monoterpenoid Indole Alkaloids (Â±)â€Alstoscholarisineâ€…B and C. Angewandte Chemie, 2017, 129, 16901-16903.	2.0	4
82	Chemistry of the chippiine/dippinine/tronocarpine class of indole alkaloids. The Alkaloids Chemistry and Biology, 2021, 85, 177-222.	2.0	3
83	A Mild, Convenient, and Inexpensive Procedure for Conversion of Vinyl Halides to Î±-Haloketones.. ChemInform, 2003, 34, no.	0.0	0
84	Synthesis of Î²-Tosylethylhydrazine and Its Use in Preparation of N-Protected Pyrazoles and 5-Aminopyrazoles.. ChemInform, 2004, 35, no.	0.0	0