Marvin J Miller

List of Publications by Year
in descending order

204	9,289	38660 50	60497 81
papers	citations	h-index	g-index

217	217	217	6139
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Synthesis and antimalarial activity of amide and ester conjugates of siderophores and ozonides. BioMetals, 2022, , 1.	1.8	2
2	Hydride-induced Meisenheimer complex formation reflects activity of nitro aromatic anti-tuberculosis compounds. RSC Medicinal Chemistry, 2021, 12, 62-72.	1.7	4
3	Structure guided generation of thieno[3,2-d]pyrimidin-4-amine Mycobacterium tuberculosis bd oxidase inhibitors. RSC Medicinal Chemistry, 2021, 12, 73-77.	1.7	17
4	Design and Syntheses of New Antibiotics Inspired by Natureâ€™s Quest for Iron in an Oxidative Climate. Accounts of Chemical Research, 2021, 54, 1646-1661.	7.6	31
5	Syntheses and Structureâ€“Activity Relationships of N-Phenethyl-Quinazolin-4-yl-Amines as Potent Inhibitors of Cytochrome bd Oxidase in Mycobacterium tuberculosis. Applied Sciences (Switzerland), 2021, 11, 9092.	1.3	3
6	Dual inhibition of the terminal oxidases eradicates antibioticâ€tolerant Mycobacterium tuberculosis. EMBO Molecular Medicine, 2021, 13, e13207.	3.3	47
7	Conjugation of Aztreonam, a Synthetic Monocyclic Î²-Lactam Antibiotic, to a Siderophore Mimetic Significantly Expands Activity Against Gram-Negative Bacteria. ACS Infectious Diseases, 2021, 7, 2979-2986.	1.8	11
8	Intracellular and in vivo evaluation of imidazo[2,1-b]thiazole-5-carboxamide anti-tuberculosis compounds. PLoS ONE, 2020, 15, e0227224.	1.1	26
9	Antibiotic repurposing: bis-catechol- and mixed ligand (bis-catechol-mono-hydroxamate)-teicoplanin conjugates are active against multidrug resistant Acinetobacter baumannii. Journal of Antibiotics, 2020, 73, 152-157.	1.0	23
10	A Siderophore Analog of Fimsbactin from Acinetobacter Hinders Growth of the Phytopathogen Pseudomonas syringae and Induces Systemic Priming of Immunity in Arabidopsis thaliana. Pathogens, 2020, 9, 806.	1.2	10
11	Crystallographic evidence for unintended benzisothiazolinone 1-oxide formation from benzothiazinones through oxidation. Acta Crystallographica Section C, Structural Chemistry, 2020, 76, 907-913.	0.2	7
12	Deuteration of BTZ043 Extends the Lifetime of Meisenheimer Intermediates to the Antituberculosis Nitroso Oxidation State. ACS Medicinal Chemistry Letters, 2019, 10, 1462-1466.	1.3	12
13	Whole-cell biosensing by siderophore-based molecular recognition and localized surface plasmon resonance. Analytical Methods, 2019, 11, 296-302.	1.3	18
14	Carbon metabolism modulates the efficacy of drugs targeting the cytochrome bc1:aa3 in Mycobacterium tuberculosis. Scientific Reports, 2019, 9, 8608.	1.6	26
15	Synthetic sideromycins (skepticism and optimism): selective generation of either broad or narrow spectrum Gram-negative antibiotics. BioMetals, 2019, 32, 425-451.	1.8	38
16	Imidazopyridine Compounds Inhibit Mycobacterial Growth by Depleting ATP Levels. Antimicrobial Agents and Chemotherapy, 2018, 62, .	1.4	35
17	A Synthetic Dual Drug Sideromycin Induces Gram-Negative Bacteria To Commit Suicide with a Gram-Positive Antibiotic. Journal of Medicinal Chemistry, 2018, 61, 3845-3854.	2.9	98
18	Targeting the Mycobacterium ulcerans cytochrome bc1:aa3 for the treatment of Buruli ulcer. Nature Communications, 2018, 9, 5370.	5.8	64

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19	Siderophore Conjugates of Daptomycin are Potent Inhibitors of Carbapenem Resistant Strains of Acinetobacter baumannii. ACS Infectious Diseases, 2018, 4, 1529-1535.	1.8	43
20	Inâ€...Vivo Dearomatization of the Potent Antituberculosis Agent BTZ043 via Meisenheimer Complex Formation. Angewandte Chemie - International Edition, 2017, 56, 2187-2191.	7.2	47
21	Inâ€vivoâ€Dearomatisierung des potenten Antituberkuloseâ€Wirkstoffs BTZ043 durch Bildung eines Meisenheimerâ€Komplexes. Angewandte Chemie, 2017, 129, 2220-2225.	1.6	3
22	Sideromycins as Pathogen-Targeted Antibiotics. Topics in Medicinal Chemistry, 2017, , 151-183.	0.4	44
23	Targeted Antibiotic Delivery: Selective Siderophore Conjugation with Daptomycin Confers Potent Activity against Multidrug Resistant Acinetobacter baumannii Both in Vitro and in Vivo. Journal of Medicinal Chemistry, 2017, 60, 4577-4583.	2.9	100
24	Studies at the ionizable position of cephalosporins and penicillins: hydroxamates as substitutes for the traditional carboxylate group. Journal of Antibiotics, 2017, 70, 292-296.	1.0	3
25	Alternate â€œDrugâ€•Delivery Utilizing Î²-Lactam Cores: Syntheses and Biological Evaluation of Î²-Lactams Bearing Isocyanate Precursors. Journal of Organic Chemistry, 2017, 82, 737-744.	1.7	18
26	Methodology for Monobactam Diversification: Syntheses and Studies of 4-Thiomethyl Substituted Î²-Lactams with Activity against Gram-Negative Bacteria, Including Carbapenemase Producing Acinetobacter baumannii. Journal of Medicinal Chemistry, 2017, 60, 8933-8944.	2.9	23
27	Innentitelbild: Inâ€vivoâ€Dearomatisierung des potenten Antituberkuloseâ€Wirkstoffs BTZ043 durch Bildung eines Meisenheimerâ€Komplexes (Angew. Chem. 8/2017). Angewandte Chemie, 2017, 129, 1960-1960.	1.6	0
28	Preparation and Evaluation of Potent Pentafluorosulfanylâ€Substituted Antiâ€Tuberculosis Compounds. ChemMedChem, 2017, 12, 1108-1115.	1.6	16
29	Stereo- and regioselectivity of the hetero-Dielsâ€“Alder reaction of nitroso derivatives with conjugated dienes. Beilstein Journal of Organic Chemistry, 2016, 12, 1949-1980.	1.3	33
30	Imidazo[1,2- a]Pyridine-3-Carboxamides Are Active Antimicrobial Agents against Mycobacterium avium Infection In Vivo. Antimicrobial Agents and Chemotherapy, 2016, 60, 5018-5022.	1.4	25
31	Design, syntheses, and anti-tuberculosis activities of conjugates of piperazino-1,3-benzothiazin-4-ones (pBTZs) with 2,7-dimethylimidazo [1,2-a]pyridine-3-carboxylic acids and 7-phenylacetyl cephalosporins. Bioorganic and Medicinal Chemistry Letters, 2016, 26, 2068-2071.	1.0	12
32	Arrival of Imidazo[2,1-b]thiazole-5-carboxamides: Potent Anti-tuberculosis Agents That Target QcrB. ACS Infectious Diseases, 2016, 2, 393-398.	1.8	64
33	Design, Syntheses, and Anti-TB Activity of 1,3-Benzothiazinone Azide and Click Chemistry Products Inspired by BTZ043. ACS Medicinal Chemistry Letters, 2016, 7, 266-270.	1.3	54
34	Syntheses and biological evaluations of highly functionalized hydroxamate containing and N-methylthio monobactams as anti-tuberculosis and Î²-lactamase inhibitory agents. MedChemComm, 2016, 7, 141-147.	3.5	12
35	Syntheses and evaluation of substituted aromatic hydroxamates and hydroxamic acids that target Mycobacterium tuberculosis. Bioorganic and Medicinal Chemistry Letters, 2015, 25, 4933-4936.	1.0	11
36	Diastereoselective synthesis of a hydroxamate containing bicyclo-[3.2.0] Î²-lactam aminal via ruthenium alkene isomerization and Pd(II)-catalyzed oxidative amidation. Tetrahedron Letters, 2015, 56, 3141-3143.	0.7	2

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37	Putting Tuberculosis (TB) To Rest: Transformation of the Sleep Aid, Ambien, and â€œAnagramsâ€•Generated Potent Antituberculosis Agents. ACS Infectious Diseases, 2015, 1, 85-90.	1.8	38
38	Siderophoreâ€“fluoroquinolone conjugates containing potential reduction-triggered linkers for drug release: synthesis and antibacterial activity. BioMetals, 2015, 28, 541-551.	1.8	44
39	Syntheses and Antibacterial Activity of N-Acylated Ciprofloxacin Derivatives Based on the Trimethyl Lock. ACS Medicinal Chemistry Letters, 2015, 6, 707-710.	1.3	35
40	Syntheses and studies of new forms of N-sulfonyloxy Î²-lactams as potential antibacterial agents and Î²-lactamase inhibitors. Bioorganic and Medicinal Chemistry, 2015, 23, 6138-6147.	1.4	17
41	Syntheses and Antituberculosis Activity of 1,3-Benzothiazinone Sulfoxide and Sulfone Derived from BTZ043. ACS Medicinal Chemistry Letters, 2015, 6, 128-133.	1.3	45
42	Bactericidal Activity of an Imidazo[1, 2-a]pyridine Using a Mouse M. tuberculosis Infection Model. PLoS ONE, 2014, 9, e87483.	1.1	46
43	Design and Syntheses of Anti-Tuberculosis Agents Inspired by BTZ043 Using a Scaffold Simplification Strategy. ACS Medicinal Chemistry Letters, 2014, 5, 587-591.	1.3	33
44	Syntheses of Hydroxamic Acid-Containing Bicyclic Î²-Lactams via Palladium-Catalyzed Oxidative Amidation of Alkenes. Journal of Organic Chemistry, 2014, 79, 1620-1625.	1.7	10
45	Nitroso Dielsâ€“Alder (NDA) reaction as an efficient tool for the functionalization of diene-containing natural products. Organic and Biomolecular Chemistry, 2014, 12, 7445-7468.	1.5	75
46	Scaffold-switching: An exploration of 5,6-fused bicyclic heteroaromatics systems to afford antituberculosis activity akin to the imidazo[1,2-a]pyridine-3-carboxylates. Bioorganic and Medicinal Chemistry Letters, 2014, 24, 3493-3498.	1.0	38
47	Thiolates Chemically Induce Redox Activation of BTZ043 and Related Potent Nitroaromatic Anti-Tuberculosis Agents. Journal of the American Chemical Society, 2013, 135, 3539-3549.	6.6	72
48	Advancement of Imidazo[1,2-a]pyridines with Improved Pharmacokinetics and nM Activity vs. Mycobacterium tuberculosis. ACS Medicinal Chemistry Letters, 2013, 4, 675-679.	1.3	97
49	Trihydroxamate Siderophoreâ€“Fluoroquinolone Conjugates Are Selective Sideromycin Antibiotics that Target Staphylococcus aureus. Bioconjugate Chemistry, 2013, 24, 473-486.	1.8	112
50	Biscatecholateâ€“Monohydroxamate Mixed Ligand Siderophoreâ€“Carbacephalosporin Conjugates are Selective Sideromycin Antibiotics that Target Acinetobacter baumannii. Journal of Medicinal Chemistry, 2013, 56, 4044-4052.	2.9	107
51	A Dual Read-Out Assay to Evaluate the Potency of Compounds Active against Mycobacterium tuberculosis. PLoS ONE, 2013, 8, e60531.	1.1	154
52	Siderophore-Mediated Iron Acquisition: Target for the Development of Selective Antibiotics Towards Mycobacterium tuberculosis. Springer Briefs in Molecular Science, 2013, , 65-88.	0.1	0
53	Exploiting bacterial iron acquisition: siderophore conjugates. Future Medicinal Chemistry, 2012, 4, 297-313.	1.1	132
54	Iron Transport-Mediated Drug Delivery: Practical Syntheses and In Vitro Antibacterial Studies of Tris-Catecholate Siderophoreâ€“Aminopenicillin Conjugates Reveals Selectively Potent Antipseudomonal Activity. Journal of the American Chemical Society, 2012, 134, 9898-9901.	6.6	119

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55	Chemical syntheses and in vitro antibacterial activity of two desferrioxamine B-ciprofloxacin conjugates with potential esterase and phosphatase triggered drug release linkers. Bioorganic and Medicinal Chemistry, 2012, 20, 3828-3836.	1.4	71
56	Syntheses of mycobactin analogs as potent and selective inhibitors of Mycobacterium tuberculosis. Organic and Biomolecular Chemistry, 2012, 10, 7584.	1.5	25
57	Syntheses of Siderophoreâ€“Drug Conjugates Using a Convergent Thiolâ€“Maleimide System. ACS Medicinal Chemistry Letters, 2012, 3, 799-803.	1.3	49
58	Generation and exploration of new classes of antitubercular agents: The optimization of oxazolines, oxazoles, thiazolines, thiazoles to imidazo[1,2-a]pyridines and isomeric 5,6-fused scaffolds. Bioorganic and Medicinal Chemistry, 2012, 20, 2214-2220.	1.4	96
59	Syntheses and biological studies of novel spiropiperazinyl oxazolidinone antibacterial agents using a spirocyclic diene derived acylnitroso Dielsâ˜Alder reaction. Bioorganic and Medicinal Chemistry, 2012, 20, 3422-3428.	1.4	8
60	Nâ€“O Chemistry for Antibiotics: Discovery of N-Alkyl-N-(pyridin-2-yl)hydroxylamine Scaffolds as Selective Antibacterial Agents Using Nitroso Dielsâ€“Alder and Ene Chemistry. Journal of Medicinal Chemistry, 2011, 54, 6843-6858.	2.9	38
61	Selective Molecular Sequestration with Concurrent Natural Product Functionalization and Derivatization: From Crude Natural Product Extracts to a Single Natural Product Derivative in One Step. Journal of Organic Chemistry, 2011, 76, 10249-10253.	1.7	16
62	Design, Synthesis, and Study of a Mycobactinâ˜Artemisinin Conjugate That Has Selective and Potent Activity against Tuberculosis and Malaria. Journal of the American Chemical Society, 2011, 133, 2076-2079.	6.6	134
63	Advent of Imidazo[1,2-a]pyridine-3-carboxamides with Potent Multi- and Extended Drug Resistant Antituberculosis Activity. ACS Medicinal Chemistry Letters, 2011, 2, 466-470.	1.3	161
64	Enantioselective syntheses of carbocyclic nucleosides 5â€²-homocarbovir, epi-4â€²-homocarbovir, and their cyclopropylamine analogs using facially selective Pd-mediated allylations. Tetrahedron, 2011, 67, 825-829.	1.0	8
65	The Nitrosocarbonyl Heteroâ€Dielsâ€“Alder Reaction as a Useful Tool for Organic Syntheses. Angewandte Chemie - International Edition, 2011, 50, 5630-5647.	7.2	228
66	Syntheses and studies of amamistatin B analogs reveals that anticancer activity is relatively independent of stereochemistry, ester or amide linkage and select replacement of one of the metal chelating groups. Bioorganic and Medicinal Chemistry Letters, 2011, 21, 2611-2615.	1.0	16
67	Syntheses and antibacterial activity studies of new oxazolidinones from nitroso Dielsâ€“Alder chemistry. Bioorganic and Medicinal Chemistry Letters, 2010, 20, 1302-1305.	1.0	22
68	Structureâ€“activity relationship of new anti-tuberculosis agents derived from oxazoline and oxazole benzyl esters. European Journal of Medicinal Chemistry, 2010, 45, 1703-1716.	2.6	99
69	Iminonitroso ene reactions: experimental studies on reactivity, regioselectivity, and enantioselectivity. Tetrahedron Letters, 2010, 51, 328-331.	0.7	5
70	Regio- and stereochemically controlled formation of hydroxamic acids from indium triflate-mediated nucleophilic ring-opening reactions with acylnitroso-Dielsâ€“Alder adducts. Tetrahedron Letters, 2010, 51, 889-891.	0.7	11
71	Syntheses of carbocyclic aminonucleosides and (â˜)-epi-4â€²-carbocyclic puromycin: application of palladium(0)/indium iodide-allylations and tethered aminohydroxylations. Tetrahedron Letters, 2010, 51, 3053-3056.	0.7	10
72	Palladium(0)/indium iodide-mediated allylations of electrophiles generated from the hydrolysis of Eschenmoserâ€™s salt: one-pot preparation of diverse carbocyclic scaffolds. Tetrahedron Letters, 2010, 51, 3050-3052.	0.7	6

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73	Cyclopropanation of nitroso Dielsâ€“Alder cycloadducts and application to the synthesis of a 2â€²,3â€²-methano carbocyclic nucleoside. Tetrahedron Letters, 2010, 51, 3789-3791.	0.7	13
74	Syntheses and biological evaluation of ring-C modified colchicine analogs. Bioorganic and Medicinal Chemistry Letters, 2010, 20, 3831-3833.	1.0	29
75	Utilization of the Suzuki Coupling to Enhance the Antituberculosis Activity of Aryloxazoles. Heterocycles, 2010, 80, 977.	0.4	16
76	Syntheses and biological evaluation of new cephalosporin-oxazolidinone conjugates. MedChemComm, 2010, 1, 145.	3.5	27
77	Enzymatic Deprotection of the Cephalosporin 3â€²-Acetoxy Group Using Candida antarctica Lipase B. Journal of Organic Chemistry, 2010, 75, 1289-1292.	1.7	32
78	Preparation and biological evaluation of novel leucomycin analogs derived from nitroso Dielsâ€“Alder reactions. Organic and Biomolecular Chemistry, 2010, 8, 691-697.	1.5	17
79	Retro iminonitroso Dielsâ€“Alder reactions: interconversion of nitroso cycloadducts. Tetrahedron Letters, 2009, 50, 5879-5883.	0.7	9
80	Utilization of microbial iron assimilation processes for the development of new antibiotics and inspiration for the design of new anticancer agents. BioMetals, 2009, 22, 61-75.	1.8	89
81	Novel antisense oligonucleotides containing hydroxamate linkages: targeted iron-triggered chemical nucleases. BioMetals, 2009, 22, 491-510.	1.8	4
82	Is drug release necessary for antimicrobial activity of siderophore-drug conjugates? Syntheses and biological studies of the naturally occurring salmycin â€œTrojan Horseâ€•antibiotics and synthetic desferridanoxamine-antibiotic conjugates. BioMetals, 2009, 22, 633-648.	1.8	110
83	BrÃ¸nsted acid-mediated opening of nitroso cycloadducts under anhydrous conditions. Tetrahedron Letters, 2009, 50, 796-798.	0.7	14
84	Palladium-Catalyzed Decarboxylative Rearrangements of Allyl 2,2,2-Trifluoroethyl Malonates: Direct Access to Homoallylic Esters. Organic Letters, 2009, 11, 4076-4079.	2.4	19
85	Syntheses of Carbocyclic Uracil Polyoxin C Analogs: Application of Pd(0)/InI-Allylation of 4-Acetoxy-2-azetidinoneâ€We dedicate this paper to Professor Jeremiah P. Freeman on the occasion of his 80th birthday and with thanks for his outstanding service to the profession of organic chemistry through his 25 years as secretary of Organic Syntheses.. Journal of Organic Chemistry, 2009, 74, 5730-5732.	1.7	17
86	Regio- and Stereoselective Indium Triflate-Mediated Nucleophilic Ring-Opening Reactions of 3-Aza-2-oxabicyclo[2.2.1]hept-5-ene and -[2.2.2]oct-5-ene Systems. Journal of Organic Chemistry, 2009, 74, 7990-7993.	1.7	8
87	Pd(0)/InI-Mediated Allylic Additions to 4-Acetoxy-2-azetidinone: New Route to Highly Functionalized Carbocyclic Scaffolds. Organic Letters, 2009, 11, 1293-1295.	2.4	27
88	Titanocene(III) Chloride-Mediated Reductions of Oxazines, Hydroxamic Acids, and N-Hydroxy Carbamates. Journal of Organic Chemistry, 2009, 74, 448-451.	1.7	56
89	Diastereoselective Synthesis of a Spironoraristeromycin Using an Acylnitroso Dielsâ˜Alder Reaction^{â€}â€ We dedicate this paper to Prof. Jeremiah P. Freeman on the occasion of his 80th birthday and with deep gratitude for his 25 years of service to organic chemistry as secretary ofOrganic Syntheses.. Journal of Organic Chemistry, 2009, 74, 5941-5946.	1.7	21
90	Synthesis and Anticancer Activity of New Hydroxamic Acid Containing 1,4-Benzodiazepines. Organic Letters, 2009, 11, 1575-1578.	2.4	47

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91	Syntheses of New Spirocarbocyclic Nucleoside Analogs Using Iminonitroso Dielsâ^'Alder Reactions. Organic Letters, 2009, 11, 449-452.	2.4	31
92	Syntheses and Biological Activity Studies of Novel Sterol Analogs from Nitroso Dielsâ^'Alder Reactions of Ergosterol. Organic Letters, 2009, 11, 2828-2831.	2.4	36
93	Concise syntheses of enantiomerically pure protected 4-hydroxypyroglutamic acid and 4-hydroxyproline from a nitroso-cyclopentadiene cycloadduct. Tetrahedron: Asymmetry, 2008, 19, 2835-2838.	1.8	3
94	Design and synthesis of a siderophore conjugate as a potent PSMA inhibitor and potential diagnostic agent for prostate cancer. Bioorganic and Medicinal Chemistry, 2008, 16, 1648-1657.	1.4	13
95	Design and synthesis of a novel protected mixed ligand siderophore. Tetrahedron Letters, 2008, 49, 2306-2310.	0.7	15
96	Solid-Supported Nitroso Hetero Dielsâ€"Alder Reactions. 1. Acylnitroso Dienophiles: Scope and Limitations. ACS Combinatorial Science, 2008, 10, 94-103.	3.3	27
97	Evolution of Natural Product Scaffolds by Acyl- and Arylnitroso Hetero-Dielsâ^'Alder Reactions: New Chemistry on Piperine. Journal of Organic Chemistry, 2008, 73, 4559-4567.	1.7	40
98	Solid-Supported Nitroso Hetero-Dielsâ€"Alder Reactions. 3. Acid-Mediated Transformation of Cycloadducts by Scission of the Oxazine Câ^'O Bonds. ACS Combinatorial Science, 2008, 10, 112-117.	3.3	19
99	Solid-Supported Nitroso Hetero Dielsâ€"Alder Reactions. 2. Arylnitroso Dienophiles: Scope and Limitations. ACS Combinatorial Science, 2008, 10, 104-111.	3.3	31
100	Syntheses and Biological Activity of Amamistatin B and Analogs. Journal of Organic Chemistry, 2008, 73, 1018-1024.	1.7	43
101	Iminonitroso Dielsâ^'Alder Reactions for Efficient Derivatization and Functionalization of Complex Diene-Containing Natural Products. Organic Letters, 2007, 9, 2923-2926.	2.4	44
102	Design, synthesis and pharmacological activity of novel enantiomerically pure phosphonic acid-based NAALADase inhibitors. Organic and Biomolecular Chemistry, 2007, 5, 826.	1.5	17
103	Reactions of Nitroso Hetero-Dielsâ^'Alder Cycloadducts with Azides:Â Stereoselective Formation of Triazolines and Aziridines. Journal of Organic Chemistry, 2007, 72, 3929-3932.	1.7	43
104	Î²-Lactams in synthesis: short syntheses of cobactin analogs. Tetrahedron Letters, 2007, 48, 5103-5105.	0.7	16
105	Syntheses of Amamistatin Fragments and Determination of Their HDAC and Antitumor Activity. Organic Letters, 2007, 9, 1683-1685.	2.4	44
106	Substrate-Dependent Dihydroxylation of Substituted Cyclopentenes:Â Toward the Syntheses of Carbocyclic Sinefungin and Noraristeromycin. Journal of Organic Chemistry, 2006, 71, 4164-4169.	1.7	26
107	Stereoselective Total Synthesis of (+)-Streptazolin by Using a Temporary Silicon-Tethered RCM Strategy. Journal of Organic Chemistry, 2006, 71, 5221-5227.	1.7	34
108	Syntheses and studies of quinolone-cephalosporins as potential anti-tuberculosis agents. Bioorganic and Medicinal Chemistry Letters, 2006, 16, 5534-5537.	1.0	29

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109	New C-3â€² hydroxamate-substituted and more lipophilic cyclic hydroxamate cephalosporin derivatives as a potential new generation of selective antimicrobial agents. Organic and Biomolecular Chemistry, 2006, 4, 4178-4185.	1.5	17
110	The synthesis and in vitro testing of structurally novel antibiotics derived from acylnitroso Dielsâ€“Alder adducts. Bioorganic and Medicinal Chemistry Letters, 2006, 16, 3966-3970.	1.0	28
111	Desketoneoenactin-Siderophore Conjugates for Candida : Evidence of Iron Transport-Dependent Species Selectivity. Antimicrobial Agents and Chemotherapy, 2005, 49, 241-248.	1.4	37
112	Molecular Mechanism of Lipopeptide Presentation by CD1a. Immunity, 2005, 22, 209-219.	6.6	122
113	Chemoenzymatic Asymmetric Total Synthesis of Phosphodiesterase Inhibitors:â€‰ Preparation of a Polycyclic Pyrazolo[3,4-d]pyrimidine from an Acylnitroso Dielsâ˜Alder Cycloadduct-Derived Aminocyclopentenol. Journal of Organic Chemistry, 2005, 70, 2824-2827.	1.7	34
114	T Cell Activation by Lipopeptide Antigens. Science, 2004, 303, 527-531.	6.0	255
115	Microbial growth promotion studies of exochelin MN and analogues thereof. BioMetals, 2004, 17, 99-104.	1.8	4
116	Concise Synthesis of 4-Acylamino Analogues of 2-Aminobicyclo[3.1.0]hexane-2,6-dicarboxylic Acids (LY354740) from an Acylnitroso Dielsâ˜Alder Cycloadduct. Journal of Organic Chemistry, 2004, 69, 4516-4519.	1.7	29
117	Syntheses of Conformationally Constricted Molecules as Potential NAALADase/PSMA Inhibitors. Organic Letters, 2004, 6, 1805-1808.	2.4	36
118	Synthetic Application of Acylnitroso Dielsâ˜Alder Derived Aminocyclopentenols:â€‰ Total Synthesis of (+)-Streptazolin. Journal of Organic Chemistry, 2004, 69, 8836-8841.	1.7	36
119	Chemoenzymatic Synthesis and Synthetic Application of Enantiopure Aminocyclopentenols:Â Total Synthesis of Carbocyclic (+)-Uracil Polyoxin C and Its Î±-Epimer. Journal of Organic Chemistry, 2004, 69, 4538-4540.	1.7	60
120	An enantioselective synthesis of the cyclopentene fragment of nucleoside Q. Tetrahedron Letters, 2003, 44, 4571-4573.	0.7	31
121	Conformational and SAR analysis of NAALADase and PSMA inhibitors. Bioorganic and Medicinal Chemistry, 2003, 11, 4455-4461.	1.4	19
122	Stereoselective Total Synthesis of Racemic BCX-1812 (RWJ-270201) for the Development of Neuraminidase Inhibitors as Anti-influenza Agents. Journal of Organic Chemistry, 2003, 68, 6591-6596.	1.7	69
123	Stereo- and Regioselectivity of Pd0/InI-Mediated Allylic Additions to Aldehydes and Ketones.In SituGeneration of Allylindium(III) Intermediates fromN-Acylnitroso Dielsâ˜Alder Cycloadducts and 1-Amino-4-acetoxycyclopentenes. Journal of Organic Chemistry, 2003, 68, 139-149.	1.7	39
124	Iron Chelation Properties of an Extracellular Siderophore Exochelin MN. Journal of the American Chemical Society, 2003, 125, 7654-7663.	6.6	40
125	Total Synthesis of Exochelin MN and Analogues. Journal of Organic Chemistry, 2002, 67, 4759-4770.	1.7	49
126	Regio- and Stereoselective Ring Openings of 3-Aza-2-oxabicyclo[2.2.1]hept-5-ene Systems with Copper Catalyst-Modified Grignard Reagents:Â Application to the Synthesis of an Inhibitor of 5-Lipoxygenase. Journal of Organic Chemistry, 2002, 67, 4115-4121.	1.7	54

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127	Total Synthesis of Desferrisalmycin B. Journal of the American Chemical Society, 2002, 124, 15001-15005.	6.6	47
128	Synthesis and Biological Activity of Hydroxamic Acid-Derived Vasopeptidase Inhibitor Analogues. Organic Letters, 2002, 4, 2047-2050.	2.4	20
129	Novel 1,4-Benzodiazepines from Acylnitroso-Derived Hetero-Dielsâ^'Alder Cycloadducts. Organic Letters, 2002, 4, 139-141.	2.4	50
130	Novel Î±-substituted Î²-amino diesters from acylnitroso-derived hetero-Dielsâ€“Alder cycloadducts. Tetrahedron Letters, 2002, 43, 1131-1134.	0.7	26
131	Regio- and Stereochemically Controlled Formation of Hydroxamic Acid Containinganti-orsyn-1,4-Cycloalkenols from Acylnitroso-Derived Dielsâ^'Alder Adducts. Journal of Organic Chemistry, 2001, 66, 2466-2469.	1.7	44
132	Synthesis of a Conformationally Restricted Substrate Analogue of Siderophore Biosynthetases. Organic Letters, 2001, 3, 519-521.	2.4	34
133	Oxidation of Primary Amines to Oxaziridines Using Molecular Oxygen (O2) as the Ultimate Oxidant. Journal of Organic Chemistry, 2001, 66, 8282-8285.	1.7	29
134	Synthesis of Enantiomerically and Diastereomerically Pure 2(S)-Amino-6(R)-hydroxy-1,7-heptanedioic Acid Dimethyl Ester Hydrochloride from Cycloheptadiene. Journal of Organic Chemistry, 2001, 66, 4809-4813.	1.7	21
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