

# Scott McN Sieburth

## List of Publications by Year in descending order

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50  
papers

1,529  
citations

331670

21  
h-index

315739

38  
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56  
all docs

56  
docs citations

56  
times ranked

886  
citing authors

#	ARTICLE	IF	CITATIONS
1	Silicon-Based Metalloprotease Inhibitors: Synthesis and Evaluation of Silanol and Silanediol Peptide Analogues as Inhibitors of Angiotensin-Converting Enzyme <sup>1</sup> . <i>Journal of the American Chemical Society</i> , 2002, 124, 7363-7375.	13.7	178
2	Silanediol Protease Inhibitors: From Conception to Validation. <i>European Journal of Organic Chemistry</i> , 2006, 2006, 311-322.	2.4	133
3	Silanediols: A New Class of Potent Protease Inhibitors. <i>Angewandte Chemie - International Edition</i> , 1998, 37, 812-814.	13.8	118
4	Drug design with a new transition state analog of the hydrated carbonyl: silicon-based inhibitors of the HIV protease. <i>Chemistry and Biology</i> , 2001, 8, 1161-1166.	6.0	78
5	Silanediol Inhibitors of Angiotensin-Converting Enzyme. Synthesis and Evaluation of Four Diastereomers of Phe[Si]Ala Dipeptide Analogues <sup>1</sup> . <i>Journal of Organic Chemistry</i> , 2005, 70, 5781-5789.	3.2	62
6	Efficient, Enantioselective Assembly of Silanediol Protease Inhibitors. <i>Organic Letters</i> , 2011, 13, 1787-1789.	4.6	50
7	Structural Analysis of Silanediols as Transition-State-Analogue Inhibitors of the Benchmark Metalloprotease Thermolysin. <i>Biochemistry</i> , 2005, 44, 16524-16528.	2.5	49
8	Asymmetric Synthesis of $\hat{\pm}$ -Amino Allyl, Benzyl, and Propargyl Silanes by Metalation and Rearrangement. <i>Organic Letters</i> , 2003, 5, 1859-1861.	4.6	48
9	Serine Protease Inhibition by a Silanediol Peptidomimetic. <i>Organic Letters</i> , 2012, 14, 4422-4425.	4.6	48
10	Enantioselective $\hat{\pm}$ -Silyl Amino Acid Synthesis by Reverse-Aza-Brook Rearrangement. <i>Organic Letters</i> , 2003, 5, 4677-4679.	4.6	46
11	Silanediol-Based inhibitor of thermolysin. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2002, 12, 3625-3627.	2.2	44
12	A Silanediol Inhibitor of the Metalloprotease Thermolysin: Synthesis and Comparison with a Phosphinic Acid Inhibitor <sup>1</sup> . <i>Journal of Organic Chemistry</i> , 2004, 69, 3008-3014.	3.2	43
13	Fusicocin Ring System by [4 + 4] Cycloaddition. Control of Diastereoselectivity through Hydrogen Bonding. <i>Journal of the American Chemical Society</i> , 1998, 120, 587-588.	13.7	39
14	Post-Ugi Cascade Transformations for Accessing Diverse Chromenopyrrole Collections. <i>Organic Letters</i> , 2018, 20, 836-839.	4.6	34
15	Multidirectional desymmetrization of pluripotent building block en route to diastereoselective synthesis of complex nature-inspired scaffolds. <i>Nature Communications</i> , 2018, 9, 4989.	12.8	32
16	Organosilane insecticides. Part I: Biological and physical effects of isosteric replacement of silicon for carbon in etofenprox and MTI-800. <i>Pest Management Science</i> , 1990, 28, 289-307.	0.4	31
17	Synthesis and Properties of a Sterically Unencumbered $\hat{\pm}$ -Silanediol Amino Acid. <i>Journal of Organic Chemistry</i> , 2012, 77, 2901-2906.	3.2	30
18	Photoreactivity of 2-Pyridones with Furan, Benzene, and Naphthalene. Inter- and Intramolecular Photocycloadditions. <i>Journal of Organic Chemistry</i> , 2000, 65, 1972-1977.	3.2	29

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19	Silanediol peptidomimetics. Evaluation of four diastereomeric ACE inhibitors. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2004, 14, 2853-2856.	2.2	27
20	Efficient Asymmetric Synthesis of Silanediol Precursors from 1,5-Dihydrosiloles. <i>Organic Letters</i> , 2007, 9, 4963-4965.	4.6	27
21	Enyne [4 + 4] Photocycloaddition: Bridged 1,2,5-Cyclooctatrienes. <i>Organic Letters</i> , 2010, 12, 3296-3299.	4.6	24
22	$\hat{I}\pm$ -Alkyl- $\hat{I}\pm$ -aminosilanes. 1. Metalation and alkylation between silicon and nitrogen. <i>Tetrahedron</i> , 1996, 52, 5669-5682.	1.9	23
23	Sequencing [4 + 1]-Cycloaddition and Aza-Michael Addition Reactions: A Diastereoselective Cascade for the Rapid Access of Pyrido[2,3- <i>b</i> ]Thiazolo[2,3- <i>d</i> ]imidazo[1,5- <i>a</i> ]quinolone Scaffolds as Potential Antibacterial and Anticancer Motifs. <i>Journal of Organic Chemistry</i> , 2019, 84, 14476-14486.	3.2	23
24	Polyquinanes by [4 + 4] Cycloaddition $\rightarrow$ Transannular Cyclization. <i>Organic Letters</i> , 2001, 3, 2165-2167.	4.6	21
25	Intramolecular Pyridone/Enyne Photocycloaddition: Partitioning of the [4 + 4] and [2 + 2] Pathways. <i>Organic Letters</i> , 2011, 13, 2180-2183.	4.6	20
26	Synthesis of $\hat{I}\pm$ -alkyl- $\hat{I}\pm$ -aminosilanes by rhodium-catalyzed hydrosilylation of Boc-protected vinyl amines. <i>Tetrahedron Letters</i> , 2000, 41, 10175-10179.	1.4	19
27	Selective Intermolecular Photo-[4 + 4]-cycloaddition with 2-Pyridone Mixtures. 2. Preparation of (1 $\hat{I}\pm$ ,2 $\hat{I}^2$ ,5 $\hat{I}^2$ ,6 $\hat{I}\pm$ )-3-Butyl-9-methoxy-3,7-diazatricyclo[4.2.2.2,5]dodeca-9,11-diene-4,8-dione. <i>Journal of Organic Chemistry</i> , 1999, 64, 950-953.	3.2	18
28	A [4 + 4] 2-Pyridone Approach to Taxol. 3. Stereocontrol during Elaboration of the Cyclooctane. <i>Journal of Organic Chemistry</i> , 2000, 65, 6676-6681.	3.2	18
29	Isosteric Replacement of Carbon with Silicon in the Design of Safer Chemicals. <i>ACS Symposium Series</i> , 1996, , 74-83.	0.5	17
30	Enyne-2-pyrone [4 + 4]-Photocycloaddition: Sesquiterpene Synthesis and a Low-Temperature Cope Rearrangement. <i>Organic Letters</i> , 2015, 17, 4360-4363.	4.6	16
31	A Practical Synthesis of Difunctional Organosilane Reagents and Their Application to the Diels $\rightarrow$ Alder Reaction. <i>Journal of Organic Chemistry</i> , 1999, 64, 1780-1781.	3.2	15
32	Stereoselective Late-Stage Transformations of Indolo[2,3- <i>a</i> ]quinolizines Skeleta to Nature-Inspired Scaffolds. <i>Journal of Organic Chemistry</i> , 2021, 86, 12872-12885.	3.2	15
33	$\hat{I}\pm$ -Alkyl- $\hat{I}\pm$ -aminosilanes. 2. A2H NMR study of organolithium stabilization by silicon and by phenyl in solution. <i>Tetrahedron</i> , 1996, 52, 5683-5690.	1.9	12
34	$\hat{I}\pm$ -Alkyl- $\hat{I}\pm$ -aminosilanes: Synthesis via Alkylation and Hydrosilylation. <i>Applied Organometallic Chemistry</i> , 1997, 11, 337-343.	3.5	12
35	Fusicoccin Synthesis by Intramolecular [4+4] Photocycloaddition of 2-Pyridones: Stereocontrol of the Cycloaddition and Elaboration of the Pentacyclic Product. <i>Synthesis</i> , 2001, 112, 1185-1196.	2.3	12
36	Enyne [4 + 4] photocycloaddition with polycyclic aromatics. <i>Organic Chemistry Frontiers</i> , 2014, 1, 961-964.	4.5	11

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37	Silicon Mimics of Unstable Carbon. Topics in Medicinal Chemistry, 2014, , 61-85.	0.8	11
38	Asymmetric Synthesis of Silanediol Inhibitors for the Serine Protease Coagulation Cascade Enzyme FXIa. Journal of Organic Chemistry, 2018, 83, 5398-5409.	3.2	11
39	Divergent Strategy for Diastereocontrolled Synthesis of Small- and Medium-Ring Architectures. Journal of Organic Chemistry, 2020, 85, 10695-10708.	3.2	11
40	Formation and isomerization of polycyclic 1,5-enynes. Tetrahedron Letters, 2015, 56, 3567-3570.	1.4	10
41	Carbocyclic Amino Ketones by Bredt's Rule-€Arrested Kulinkovich-€de Meijere Reaction. Angewandte Chemie - International Edition, 2016, 55, 2536-2539.	13.8	10
42	Drug development post COVID-19 pandemic: toward a better system to meet current and future global health challenges. Expert Opinion on Drug Discovery, 2021, 16, 365-371.	5.0	10
43	Enyne [4+4] Cycloaddition/Oxidation: Ring Contraction via Cyclopropanones and Their Anionic Ring-Opening Reactions. Angewandte Chemie - International Edition, 2017, 56, 319-323.	13.8	9
44	Photo-[4+4]-cycloaddition (para) of meta-substituted benzenes with 2-pyridones. Tetrahedron Letters, 2015, 56, 4520-4522.	1.4	8
45	Tandem Asymmetric Alkylation-Dieckmann Condensation. Synlett, 1995, 1995, 928-930.	1.8	7
46	Stabilization, Isomerization and Rearrangement of Enyne [4 + 4]-Cycloadducts. Organic Letters, 2014, 16, 4138-4141.	4.6	7
47	Selective Intermolecular Photo-[4 + 4]-cycloaddition with 2-Pyridone Mixtures. 3. Synthetic Transformations of the Trans Cross-Product (1 $\hat{1}$ $\pm$ ,2 $\hat{1}$ $\hat{2}$ ,5 $\hat{1}$ $\hat{2}$ ,6 $\hat{1}$ $\pm$ )-3-Butyl-9-methoxy-3,7-diazatricyclo[4.2.2.2 $\hat{2}$ ,5]dodeca-9,11-diene-4,8-dione. Journal of Organic Chemistry, 1999, 64, 954-959.	3.2	6
48	Alpha-amino silanes via metalated imines as an approach to the synthesis of silanediol protease inhibitors. Tetrahedron, 2013, 69, 7779-7784.	1.9	3
49	Enyne [4+4] Cycloaddition/Oxidation: Ring Contraction via Cyclopropanones and Their Anionic Ring-Opening Reactions. Angewandte Chemie, 2017, 129, 325-329.	2.0	2
50	Carbocyclic Amino Ketones by Bredt's Rule-€Arrested Kulinkovich-€de Meijere Reaction. Angewandte Chemie, 2016, 128, 2582-2585.	2.0	0