

# Michael B Smith

## List of Publications by Year in descending order

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104  
papers

770  
citations

516710

16  
h-index

580821

25  
g-index

166  
all docs

166  
docs citations

166  
times ranked

859  
citing authors

#	ARTICLE	IF	CITATIONS
1	Structures and biological activity of phosphorylated dihydroceramides of <i>Porphyromonas gingivalis</i> . <i>Journal of Lipid Research</i> , 2004, 45, 2317-2330.	4.2	56
2	Stereoselective Synthesis of N-Augenyl Lactams. <i>Synthetic Communications</i> , 1987, 17, 729-740.	2.1	46
3	Regioselective One-Pot Bromination of Aromatic Amines <sup>1</sup> . <i>Organic Letters</i> , 2002, 4, 2321-2323.	4.6	42
4	Imaging tumor hypoxia by near-infrared fluorescence tomography. <i>Journal of Biomedical Optics</i> , 2011, 16, 066009.	2.6	35
5	Deposition and hydrolysis of serine dipeptide lipids of <i>Bacteroidetes</i> bacteria in human arteries: relationship to atherosclerosis. <i>Journal of Lipid Research</i> , 2017, 58, 1999-2007.	4.2	35
6	Synthesis and fluorescent characteristics of imidazole- $\pi$ -indocyanine green conjugates. <i>Dyes and Pigments</i> , 2011, 89, 9-15.	3.7	30
7	Targeting tumor hypoxia: a third generation 2-nitroimidazole-indocyanine dye-conjugate with improved fluorescent yield. <i>Organic and Biomolecular Chemistry</i> , 2015, 13, 11220-11227.	2.8	30
8	Targeting tumor hypoxia with 2-nitroimidazole-indocyanine green dye conjugates. <i>Journal of Biomedical Optics</i> , 2013, 18, 066009.	2.6	29
9	Structures and biological activities of novel phosphatidylethanolamine lipids of <i>Porphyromonas gingivalis</i> . <i>Journal of Lipid Research</i> , 2006, 47, 844-853.	4.2	28
10	<i>N</i> -DIENYL AMIDES AND LACTAMS: PREPARATION AND DIELS-ALDER REACTIVITY. <i>Organic Preparations and Procedures International</i> , 1990, 22, 315-397.	1.3	27
11	Enhanced conductivity in sorbitol-treated PEDOT- $\pi$ -PSS. Observation of an in situ cyclodehydration reaction. <i>Synthetic Metals</i> , 2010, 160, 2284-2289.	3.9	27
12	Phagosomal Copper-Promoted Oxidative Attack on Intracellular <i>Mycobacterium tuberculosis</i> . <i>ACS Infectious Diseases</i> , 2018, 4, 1623-1634.	3.8	27
13	A Mild and Facile Route to $\alpha$ -Amino Esters. <i>Synthetic Communications</i> , 1988, 18, 1625-1636.	2.1	24
14	Structurally modified indocyanine green dyes. Modification of the polyene linker. <i>Dyes and Pigments</i> , 2013, 99, 275-283.	3.7	22
15	Structural confirmation of the dihydrosphinganine and fatty acid constituents of the dental pathogen <i>Porphyromonas gingivalis</i> . <i>Organic and Biomolecular Chemistry</i> , 2007, 5, 3826.	2.8	21
16	Preparation and Reactions of 1,1-Di(Phenylthio)Cyclobutane Derivatives from 1-(Phenylthio)-1-Cyclopropane Carbinols. <i>Synthetic Communications</i> , 1992, 22, 2273-2285.	2.1	20
17	An Unexpectedly Facile Cyclization of Polyhydric Alcohols. <i>Organic Letters</i> , 2009, 11, 3722-3725.	4.6	18
18	Glycine Lipids of <i>Porphyromonas gingivalis</i> Are Agonists for Toll-Like Receptor 2. <i>Infection and Immunity</i> , 2020, 88, .	2.2	17

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19	Fused quinoline heterocycles VI: Synthesis of 5 <i>H</i> -1-thia-3,5,6-triazaaceanthrylenes and 5 <i>H</i> -1-thia-3,4,5,6-tetrazaaceanthrylenes. <i>Journal of Heterocyclic Chemistry</i> , 2005, 42, 567-574.	2.6	15
20	A novel phosphoglycerol serine-glycine lipodipeptide of <i>Porphyromonas gingivalis</i> is a TLR2 ligand. <i>Journal of Lipid Research</i> , 2020, 61, 1645-1657.	4.2	15
21	An Improved, Preparative Route to Phenyl Vinyl Sulfide Via Phase Transfer Catalysis. <i>Synthetic Communications</i> , 1986, 16, 85-90.	2.1	14
22	Polymer-mediated cyclodehydration of alditols and ketohexoses. <i>Carbohydrate Research</i> , 2011, 346, 1662-1670.	2.3	13
23	Structural verification via convergent total synthesis of dipeptide-lipids isolated from <i>Porphyromonas gingivalis</i> . <i>Tetrahedron</i> , 2016, 72, 7557-7569.	1.9	13
24	Preparation of 5-Alkenyl- and 5-Dienyl-2-pyrrolidinone Derivatives. <i>Synthetic Communications</i> , 1992, 22, 2865-2873.	2.1	9
25	Preparation and Epoxidation of Conjugated Lactams: Influence of Ring Size on Epoxidation. <i>Synthetic Communications</i> , 1995, 25, 1265-1275.	2.1	9
26	N-Benzyl-5-hydroxy-2-pyrrolidinone by Hydrogen Peroxide Oxidation of N-Benzyl-3-phenylseleno-2-pyrrolidinone. <i>Synthetic Communications</i> , 2007, 37, 813-819.	2.1	9
27	An Improved Reduction of the Ester Moiety in N-Substituted Pyroglutamates. <i>Synthetic Communications</i> , 1989, 19, 2859-2868.	2.1	8
28	CYCLIZATION OF $\alpha$ -HALONITRILES WITH ORGANOLITHIUMS. <i>Organic Preparations and Procedures International</i> , 1989, 21, 297-301.	1.3	8
29	N-SULFONYL LACTAMS via SULFONATION OF LACTIM ETHERS. <i>Organic Preparations and Procedures International</i> , 1992, 24, 147-157.	1.3	8
30	A General N-Alkylation Procedure for Ethyl Pyroglutamate. <i>Synthetic Communications</i> , 1996, 26, 1827-1838.	2.1	8
31	Synthesis of 5S-(1-Oxoalkyl and Aryl)-2-pyrrolidinone Derivatives. <i>Synthetic Communications</i> , 1998, 28, 1649-1659.	2.1	8
32	Synthesis of a 4-nitroimidazole indocyanine dye-conjugate and imaging of tumor hypoxia in BALB/c tumor-bearing female mice. <i>Dyes and Pigments</i> , 2016, 126, 251-260.	3.7	8
33	Anchimeric Assistance in the N-Alkylation of 5-alkoxymethyl-2-pyrrolidinone Derivatives. <i>Synthetic Communications</i> , 1992, 22, 2935-2940.	2.1	7
34	A Facile One-Step Synthesis of Ethyl 2-(L,L-Dialkyl and Arylmethyl) Malonates. <i>Synthetic Communications</i> , 1999, 29, 343-350.	2.1	7
35	Chemical reactions of the conducting polymer poly(3,4-ethylene dioxythiophene) and alcohols. <i>Journal of Polymer Science Part A</i> , 2007, 45, 2328-2333.	2.3	7
36	2-Dienylphenacyloxazolones and an intramolecular Diels-Alder approach to the A-B-C ring system of phenanthridone alkaloids. <i>Tetrahedron</i> , 2009, 65, 8781-8785.	1.9	7

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37	Simultaneous Determination of Absolute Configuration and Quantity of Lipopeptides Using Chiral Liquid Chromatography/Mass Spectrometry and Diastereomeric Internal Standards. <i>Analytical Chemistry</i> , 2017, 89, 3583-3589.	6.5	7
38	An Improved, Preparative Route to 1-Cyclopropyl-1-Haloethanes. <i>Synthetic Communications</i> , 1983, 13, 593-599.	2.1	6
39	5R-Methyl-1-chloromethyl-2-pyrrolidinone: Determining Enantiomeric Excess in Chiral Nonracemic Amines <sup>1</sup> . <i>Synthetic Communications</i> , 1998, 28, 1641-1648.	2.1	6
40	Convergent synthesis of a deuterium- <sup>13</sup> C-labeled serine dipeptide lipid for analysis of biological samples. <i>Journal of Labelled Compounds and Radiopharmaceuticals</i> , 2017, 60, 274-285.	1.0	5
41	Diels-Alder Reactions of N-Alkenyl-Iminium Salts: A Novel Route to Indolizidine Derivatives. <i>Synthetic Communications</i> , 1993, 23, 253-262.	2.1	4
42	Chemical stability of conducting polymers: Friedel-Crafts reactions of alcohols with poly(3,4-ethylenedioxythiophene) (PEDOT). <i>Polymer</i> , 2007, 48, 4328-4336.	3.8	4
43	Synthetic Approaches to 2-Pyrrolidinone-5-carboxaldehyde. <i>Synthetic Communications</i> , 1996, 26, 3137-3150.	2.1	3
44	Synthesis of Octahydro 1H-Pyrrolo[1,2-a]indol-3-ones Via Intramolecular Diels-Alder Reaction of 5-Substituted N-Dienyl Lactams. <i>Synthetic Communications</i> , 1998, 28, 4233-4239.	2.1	3
45	<sup>13</sup> C NMR of organosulfur compounds the <sup>13</sup> C chemical shifts of monocyclic <sup>13</sup> C- and <sup>13</sup> C-sultones. <i>Magnetic Resonance in Chemistry</i> , 1982, 19, 129-133.	0.7	2
46	Electron impact study of cyclic 2-alkylimines <sup>1</sup> . <i>Organic Mass Spectrometry</i> , 1984, 19, 645-646.	1.3	2
47	Electron impact study of N-alkenyl lactams. <i>Organic Mass Spectrometry</i> , 1988, 23, 285-287.	1.3	2
48	Hypoxia targeted carbon nanotubes as a sensitive contrast agent for photoacoustic imaging of tumors. , 2011, , .		2
49	Single wall carbon nanotube/bis carboxylic acid-ICG as a sensitive contrast agent for in vivo tumor imaging in photoacoustic tomography. , 2013, , .		2
50	Electron impact study of 1,1-dithiophenylcyclobutanes. <i>Organic Mass Spectrometry</i> , 1989, 24, 193-194.	1.3	1
51	Preparation of Aldehydes. <i>Compendium of Organic Synthetic Methods</i> , 2006, , 59-71.	0.0	1
52	Preparation of Aldehydes. <i>Compendium of Organic Synthetic Methods</i> , 2006, , 51-66.	0.0	1
53	Tumor hypoxia fluorescence imaging using 2-nitroimidazole bis -carboxylic acid indocyanine dye conjugate. <i>Proceedings of SPIE</i> , 2011, , .	0.8	1
54	Target tumor hypoxia with 2-nitroimidazole-ICG dye conjugates. <i>Proceedings of SPIE</i> , 2013, , .	0.8	1

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55	Biodistribution study of 2-nitroimidazole indocyanine green conjugate dye conjugates. , 2014, , .		1
56	Treasure hunt for peptides with undefined chemical modifications: Proteomics identification of differential albumin adducts of 2-nitroimidazole-indocyanine green in hypoxic tumor. Journal of Mass Spectrometry, 2020, 55, e4376.	1.6	1
57	Preparation of Alkynes. Compendium of Organic Synthetic Methods, 0, , 1-5.	0.0	1
58	The cyclopropylcarbinyl group in mass spectral fragmentations. Organic Mass Spectrometry, 1984, 19, 649-650.	1.3	0
59	Fused Quinoline Heterocycles. Part 6. Synthesis of 5H-1-Thia-3,5,6-triazaaceanthrylenes and 5H-1-Thia-3,4,5,6-tetrazaaceanthrylenes.. ChemInform, 2005, 36, no.	0.0	0
60	Preparation of Amides. Compendium of Organic Synthetic Methods, 2006, , 121-140.	0.0	0
61	Preparation of Nitriles. Compendium of Organic Synthetic Methods, 2006, , 258-263.	0.0	0
62	Preparation of Halides and Sulfonates. Compendium of Organic Synthetic Methods, 2006, , 206-218.	0.0	0
63	Preparation of Amines. Compendium of Organic Synthetic Methods, 2006, , 113-138.	0.0	0
64	Preparation of Ketones. Compendium of Organic Synthetic Methods, 2006, , 230-257.	0.0	0
65	Preparation of Alkynes. Compendium of Organic Synthetic Methods, 2006, , 1-5.	0.0	0
66	Preparation of Hydrides. Compendium of Organic Synthetic Methods, 2006, , 219-229.	0.0	0
67	Preparation of Alkenes. Compendium of Organic Synthetic Methods, 2006, , 264-289.	0.0	0
68	Preparation of Oxides. Compendium of Organic Synthetic Methods, 2006, , 290-297.	0.0	0
69	Preparation of Difunctional Compounds. Compendium of Organic Synthetic Methods, 2006, , 298-485.	0.0	0
70	Preparation of Alkyls, Methylens and Aryls. Compendium of Organic Synthetic Methods, 2006, , 72-120.	0.0	0
71	Preparation of Amines. Compendium of Organic Synthetic Methods, 2006, , 141-164.	0.0	0
72	Preparation of Esters. Compendium of Organic Synthetic Methods, 2006, , 165-187.	0.0	0

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73	Preparation of Ethers, Epoxides and Thioethers. Compendium of Organic Synthetic Methods, 2006, , 188-205.	0.0	0
74	Preparation of Amides. Compendium of Organic Synthetic Methods, 2006, , 98-112.	0.0	0
75	Preparation of Alcohols. Compendium of Organic Synthetic Methods, 2006, , 15-58.	0.0	0
76	Preparation of Acid Derivatives. Compendium of Organic Synthetic Methods, 2006, , 6-14.	0.0	0
77	Preparation of Ketones. Compendium of Organic Synthetic Methods, 2006, , 205-238.	0.0	0
78	Preparation of Ethers, Epoxides, and Thioethers. Compendium of Organic Synthetic Methods, 2006, , 164-180.	0.0	0
79	Preparation of Oxides. Compendium of Organic Synthetic Methods, 2006, , 272-279.	0.0	0
80	Preparation of Acetylenes. Compendium of Organic Synthetic Methods, 2006, , 1-7.	0.0	0
81	Preparation of Alkyls, Methylens, and Aryls. Compendium of Organic Synthetic Methods, 2006, , 67-97.	0.0	0
82	Preparation of Halides and Sulfonates. Compendium of Organic Synthetic Methods, 2006, , 181-193.	0.0	0
83	Preparation of Hydrides. Compendium of Organic Synthetic Methods, 2006, , 194-204.	0.0	0
84	Preparation of Olefins. Compendium of Organic Synthetic Methods, 2006, , 248-271.	0.0	0
85	Preparation of Difunctional Compounds. Compendium of Organic Synthetic Methods, 2006, , 280-492.	0.0	0
86	Preparation of Carboxylic Acids, Acid Halides, and Anhydrides. Compendium of Organic Synthetic Methods, 2006, , 8-18.	0.0	0
87	Preparation of Esters. Compendium of Organic Synthetic Methods, 2006, , 139-163.	0.0	0
88	Preparation of Alcohols, Phenols, and Thiols. Compendium of Organic Synthetic Methods, 2006, , 19-50.	0.0	0
89	Preparation of Nitriles. Compendium of Organic Synthetic Methods, 2006, , 239-247.	0.0	0
90	Preparation of Ketones. Compendium of Organic Synthetic Methods, 0, , 220-241.	0.0	0

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91	Preparation of Difunctional Compounds. Compendium of Organic Synthetic Methods, 0, , 276-559.	0.0	0
92	Preparation of Halides and Sulfonates. Compendium of Organic Synthetic Methods, 0, , 200-209.	0.0	0
93	Preparation of Alcohols. Compendium of Organic Synthetic Methods, 0, , 16-53.	0.0	0
94	Preparation of Oxides. Compendium of Organic Synthetic Methods, 0, , 267-275.	0.0	0
95	Preparation of Hydrides. Compendium of Organic Synthetic Methods, 0, , 210-219.	0.0	0
96	Preparation of Nitriles. Compendium of Organic Synthetic Methods, 0, , 242-246.	0.0	0
97	Preparation of Acid Derivatives. Compendium of Organic Synthetic Methods, 0, , 6-15.	0.0	0
98	Preparation of Amides. Compendium of Organic Synthetic Methods, 0, , 117-138.	0.0	0
99	Preparation of Aldehydes. Compendium of Organic Synthetic Methods, 0, , 54-65.	0.0	0
100	Preparation of Amines. Compendium of Organic Synthetic Methods, 0, , 139-165.	0.0	0
101	Preparation of Esters. Compendium of Organic Synthetic Methods, 0, , 166-183.	0.0	0
102	Preparation of Alkenes. Compendium of Organic Synthetic Methods, 0, , 247-266.	0.0	0
103	Preparation of Ethers, Epoxides and Thioethers. Compendium of Organic Synthetic Methods, 0, , 184-199.	0.0	0
104	Imaging of Tumor Hypoxia using 4-Nitroimidazole Indocyanine Green Dyeâ€“Conjugate in BALB/c Tumor-Bearing Female Mice. , 2016, , .		0