

James Smith

List of Publications by Year in descending order

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33
papers

2,650
citations

430874

18
h-index

414414

32
g-index

34
all docs

34
docs citations

34
times ranked

3022
citing authors

#	ARTICLE	IF	CITATIONS
1	Drug discovery through the isolation of natural products from Burkholderia. Expert Opinion on Drug Discovery, 2021, 16, 807-822.	5.0	9
2	Formulation, Pharmacological Evaluation, and Efficacy Studies of Occidiofungin, a Novel Antifungal. Antimicrobial Agents and Chemotherapy, 2020, 64, .	3.2	6
3	Novel Antiparasitic Activity of the Antifungal Lead Occidiofungin. Antimicrobial Agents and Chemotherapy, 2020, 64, .	3.2	14
4	Evolution of Lantibiotic Salivaricins: New Weapons to Fight Infectious Diseases. Trends in Microbiology, 2020, 28, 578-593.	7.7	36
5	Draft Genome Sequence of the Lantibiotic-Producing Strain Streptococcus salivarius HS0302. Microbiology Resource Announcements, 2019, 8, .	0.6	0
6	A Novel Actin Binding Drug with <i>In Vivo</i> Efficacy. Antimicrobial Agents and Chemotherapy, 2019, 63, .	3.2	27
7	Covalent Structure and Bioactivity of the Type All Lantibiotic Salivaricin A2. Applied and Environmental Microbiology, 2018, 84, .	3.1	21
8	Improving the attrition rate of Lanthipeptide discovery for commercial applications. Expert Opinion on Drug Discovery, 2018, 13, 155-167.	5.0	4
9	Efficacious Analogs of the Lantibiotic Mutacin 1140 against a Systemic Methicillin-Resistant Staphylococcus aureus Infection. Antimicrobial Agents and Chemotherapy, 2018, 62, .	3.2	17
10	Modifying the Lantibiotic Mutacin 1140 for Increased Yield, Activity, and Stability. Applied and Environmental Microbiology, 2018, 84, .	3.1	17
11	The Siderophore Product Ornibactin Is Required for the Bactericidal Activity of Burkholderia contaminans MS14. Applied and Environmental Microbiology, 2017, 83, .	3.1	25
12	Carboxyl Analogue of Mutacin 1140, a Scaffold for Lead Antibacterial Discovery. Applied and Environmental Microbiology, 2017, 83, .	3.1	10
13	Two Flavoenzymes Catalyze the Post-Translational Generation of 5-Chlorotryptophan and 2-Aminovinyl-Cysteine during NAI-107 Biosynthesis. ACS Chemical Biology, 2017, 12, 548-557.	3.4	64
14	Comparative genome-wide analysis reveals that <i>Burkholderia contaminans</i> MS14 possesses multiple antimicrobial biosynthesis genes but not major genetic loci required for pathogenesis. MicrobiologyOpen, 2016, 5, 353-369.	3.0	44
15	Multipronged approach for engineering novel peptide analogues of existing lantibiotics. Expert Opinion on Drug Discovery, 2015, 10, 857-870.	5.0	18
16	Biosynthesis and Transport of the Lantibiotic Mutacin 1140 Produced by Streptococcus mutans. Journal of Bacteriology, 2015, 197, 1173-1184.	2.2	20
17	The leader peptide of mutacin 1140 has distinct structural components compared to related class I lantibiotics. MicrobiologyOpen, 2014, 3, 961-972.	3.0	13
18	Toxicological Evaluation of Occidiofungin against Mice and Human Cancer Cell Lines. Pharmacology & Pharmacy, 2014, 05, 1085-1093.	0.7	13

#	ARTICLE	IF	CITATIONS
19	Ribosomally synthesized and post-translationally modified peptide natural products: overview and recommendations for a universal nomenclature. <i>Natural Product Reports</i> , 2013, 30, 108-160.	10.3	1,692
20	The Presence of Two Cyclase Thioesterases Expands the Conformational Freedom of the Cyclic Peptide Occidiofungin. <i>Journal of Natural Products</i> , 2013, 76, 150-156.	3.0	11
21	The Antifungal Occidiofungin Triggers an Apoptotic Mechanism of Cell Death in Yeast. <i>Journal of Natural Products</i> , 2013, 76, 829-838.	3.0	34
22	The <i>Burkholderia contaminans</i> MS14 <i>ocfC</i> Gene Encodes a Xylosyltransferase for Production of the Antifungal Occidiofungin. <i>Applied and Environmental Microbiology</i> , 2013, 79, 2899-2905.	3.1	20
23	Site-Directed Mutations in the Lanthipeptide Mutacin 1140. <i>Applied and Environmental Microbiology</i> , 2013, 79, 4015-4023.	3.1	47
24	Nonclinical Toxicological Evaluation of Occidiofungin, a Unique Glycolipopeptide Antifungal. <i>International Journal of Toxicology</i> , 2012, 31, 326-336.	1.2	18
25	Occidiofungin's Chemical Stability and <i>In Vitro</i> Potency against <i>Candida</i> Species. <i>Antimicrobial Agents and Chemotherapy</i> , 2012, 56, 765-769.	3.2	33
26	Genetic and Biochemical Map for the Biosynthesis of Occidiofungin, an Antifungal Produced by <i>Burkholderia contaminans</i> Strain MS14. <i>Applied and Environmental Microbiology</i> , 2011, 77, 6189-6198.	3.1	49
27	Optimization of the production of the lantibiotic mutacin 1140 in minimal media. <i>Process Biochemistry</i> , 2010, 45, 1187-1191.	3.7	8
28	Oxidation of Lanthionines Renders the Lantibiotic Nisin Inactive. <i>Applied and Environmental Microbiology</i> , 2009, 75, 1381-1387.	3.1	55
29	Occidiofungin, a Unique Antifungal Glycopeptide Produced by a Strain of <i>Burkholderia contaminans</i> . <i>Biochemistry</i> , 2009, 48, 8312-8321.	2.5	96
30	Therapeutic potential of type A (I) lantibiotics, a group of cationic peptide antibiotics. <i>Current Opinion in Microbiology</i> , 2008, 11, 401-408.	5.1	70
31	Elucidation of the Antimicrobial Mechanism of Mutacin 1140. <i>Biochemistry</i> , 2008, 47, 3308-3314.	2.5	71
32	Structure and Dynamics of the Lantibiotic Mutacin 1140. <i>Biochemistry</i> , 2003, 42, 10372-10384.	2.5	48
33	Covalent structure of mutacin 1140 and a novel method for the rapid identification of lantibiotics. <i>FEBS Journal</i> , 2000, 267, 6810-6816.	0.2	39