

Sheo B Singh

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/5455403/publications.pdf>

Version: 2024-02-01

38
papers

3,285
citations

218677

26
h-index

330143

37
g-index

38
all docs

38
docs citations

38
times ranked

2592
citing authors

#	ARTICLE	IF	CITATIONS
1	Platensimycin is a selective FabF inhibitor with potent antibiotic properties. <i>Nature</i> , 2006, 441, 358-361.	27.8	785
2	Discovery of platencin, a dual FabF and FabH inhibitor with in vivo antibiotic properties. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2007, 104, 7612-7616.	7.1	347
3	Isolation, Structure, and Absolute Stereochemistry of Platensimycin, A Broad Spectrum Antibiotic Discovered Using an Antisense Differential Sensitivity Strategy. <i>Journal of the American Chemical Society</i> , 2006, 128, 11916-11920.	13.7	228
4	Empirical antibacterial drug discovery—Foundation in natural products. <i>Biochemical Pharmacology</i> , 2006, 71, 1006-1015.	4.4	209
5	Isolation and Structure of Platencin: A FabH and FabF Dual Inhibitor with Potent Broad-Spectrum Antibiotic Activity. <i>Angewandte Chemie - International Edition</i> , 2007, 46, 4684-4688.	13.8	182
6	Discovery of Kibdelomycin, A Potent New Class of Bacterial Type II Topoisomerase Inhibitor by Chemical-Genetic Profiling in <i>Staphylococcus aureus</i> . <i>Chemistry and Biology</i> , 2011, 18, 955-965.	6.0	160
7	What is an "ideal" antibiotic? Discovery challenges and path forward. <i>Biochemical Pharmacology</i> , 2017, 133, 63-73.	4.4	141
8	Antidiabetic and antisteatotic effects of the selective fatty acid synthase (FAS) inhibitor platensimycin in mouse models of diabetes. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2011, 108, 5378-5383.	7.1	134
9	Structures of Kibdelomycin Bound to <i>Staphylococcus aureus</i> GyrB and ParE Showed a Novel U-Shaped Binding Mode. <i>ACS Chemical Biology</i> , 2014, 9, 2023-2031.	3.4	105
10	Isolation, structure, and HIV-1-integrase inhibitory activity of structurally diverse fungal metabolites. <i>Journal of Industrial Microbiology and Biotechnology</i> , 2003, 30, 721-731.	3.0	91
11	Biosynthetic Studies of Platensimycin. <i>Journal of the American Chemical Society</i> , 2007, 129, 15422-15423.	13.7	72
12	Confronting the challenges of discovery of novel antibacterial agents. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2014, 24, 3683-3689.	2.2	71
13	Isolation, Structure, and Antibacterial Activity of Philipimycin, A Thiazolyl Peptide Discovered from <i>Actinoplanes philippinensis</i> MA7347. <i>Journal of the American Chemical Society</i> , 2008, 130, 12102-12110.	13.7	59
14	Structure and Semisynthesis of Platensimide A, Produced by <i>Streptomyces platensis</i> . <i>Organic Letters</i> , 2008, 10, 1699-1702.	4.6	52
15	Isolation, structure and biological activities of platensimycin B4 from <i>Streptomyces platensis</i> . <i>Journal of Antibiotics</i> , 2009, 62, 699-702.	2.0	49
16	Thiazomycins, Thiazolyl Peptide Antibiotics from <i>Amycolatopsis fastidiosa</i> . <i>Journal of Natural Products</i> , 2009, 72, 841-847.	3.0	48
17	Antibacterial Evaluations of Thiazomycin. <i>Journal of Antibiotics</i> , 2007, 60, 565-571.	2.0	47
18	Structure of homoplatensimide A: a potential key biosynthetic intermediate of platensimycin isolated from <i>Streptomyces platensis</i> . <i>Tetrahedron Letters</i> , 2008, 49, 3648-3651.	1.4	43

#	ARTICLE	IF	CITATIONS
19	Structure of the Bacterial Deacetylase LpxC Bound to the Nucleotide Reaction Product Reveals Mechanisms of Oxyanion Stabilization and Proton Transfer. <i>Journal of Biological Chemistry</i> , 2013, 288, 34073-34080.	3.4	43
20	Isolation, structure, and antibacterial activity of thiazomycin A, a potent thiazolyl peptide antibiotic from <i>Amycolatopsis fastidiosa</i> . <i>Bioorganic and Medicinal Chemistry</i> , 2008, 16, 8818-8823.	3.0	42
21	Platensimycin and Platencin Congeners from <i>Streptomyces platensis</i> . <i>Journal of Natural Products</i> , 2011, 74, 329-340.	3.0	40
22	Isolation and Structure Elucidation of Thiazomycin. <i>Journal of Antibiotics</i> , 2007, 60, 554-564.	2.0	39
23	Isolation, structure and fatty acid synthesis inhibitory activities of platensimycin B1-B3 from <i>Streptomyces platensis</i> . <i>Chemical Communications</i> , 2008, , 5034.	4.1	39
24	Isolation, enzyme-bound structure and antibacterial activity of platencin A1 from <i>Streptomyces platensis</i> . <i>Bioorganic and Medicinal Chemistry Letters</i> , 2009, 19, 4756-4759.	2.2	39
25	Biosynthetic studies of platencin. <i>Tetrahedron Letters</i> , 2008, 49, 5755-5758.	1.4	30
26	Isolation, enzyme-bound structure, and activity of platensimycin A1 from <i>Streptomyces platensis</i> . <i>Tetrahedron Letters</i> , 2009, 50, 5182-5185.	1.4	29
27	Isolation, structure and biological activities of platencin A2-A4 from <i>Streptomyces platensis</i> . <i>Bioorganic and Medicinal Chemistry</i> , 2010, 18, 2602-2610.	3.0	24
28	Discovery and development of kibelomycin, a new class of broad-spectrum antibiotics targeting the clinically proven bacterial type II topoisomerase. <i>Bioorganic and Medicinal Chemistry</i> , 2016, 24, 6291-6297.	3.0	22
29	Discovery and Development of Dolastatin 10-Derived Antibody Drug Conjugate Anticancer Drugs. <i>Journal of Natural Products</i> , 2022, 85, 666-687.	3.0	22
30	Direct mass spectrometric screening of antibiotics from bacterial surfaces using liquid extraction surface analysis. <i>Rapid Communications in Mass Spectrometry</i> , 2012, 26, 2477-2482.	1.5	21
31	Kibelomycin Is a Potent and Selective Agent against Toxigenic <i>Clostridium difficile</i> . <i>Antimicrobial Agents and Chemotherapy</i> , 2014, 58, 2387-2392.	3.2	19
32	The Fatty Acid Synthase Inhibitor Platensimycin Improves Insulin Resistance without Inducing Liver Steatosis in Mice and Monkeys. <i>PLoS ONE</i> , 2016, 11, e0164133.	2.5	18
33	Occurrence, distribution, dereplication and efficient discovery of thiazolyl peptides by sensitive-resistant pair screening. <i>Journal of Antibiotics</i> , 2013, 66, 599-607.	2.0	13
34	Thiazomycin, nocathiacin and analogs show strong activity against clinical strains of drug-resistant <i>Mycobacterium tuberculosis</i> . <i>Journal of Antibiotics</i> , 2017, 70, 671-674.	2.0	10
35	The Dolastatins 16. Synthesis of Dolaphenine. <i>Heterocycles</i> , 1994, 39, 81.	0.7	9
36	Nocathiacin, Thiazomycin, and Polar Analogs Are Highly Effective Agents against Toxigenic <i>Clostridioides difficile</i> . <i>Journal of Natural Products</i> , 2022, 85, 1141-1146.	3.0	2

#	ARTICLE	IF	CITATIONS
37	Struthiolanone: A Flavanone-Resveratrol Adduct from <i>Struthiola Argentea</i> . <i>Natural Product Communications</i> , 2008, 3, 1934578X0800300.	0.5	1
38	Rapid, Selective, and Sensitive Method for Semitargeted Discovery of Congeneric Natural Products by Liquid Chromatography Tandem Mass Spectrometry. <i>Journal of Natural Products</i> , 2021, 84, 814-823.	3.0	0