

Alan T Bull

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/585657/publications.pdf>

Version: 2024-02-01

84
papers

6,132
citations

94433

37
h-index

79698

73
g-index

85
all docs

85
docs citations

85
times ranked

4822
citing authors

#	ARTICLE	IF	CITATIONS
1	Search and Discovery Strategies for Biotechnology: the Paradigm Shift. <i>Microbiology and Molecular Biology Reviews</i> , 2000, 64, 573-606.	6.6	370
2	Marine actinobacteria: new opportunities for natural product search and discovery. <i>Trends in Microbiology</i> , 2007, 15, 491-499.	7.7	349
3	New primers for the class Actinobacteria: application to marine and terrestrial environments. <i>Environmental Microbiology</i> , 2003, 5, 828-841.	3.8	301
4	Abyssomicins, Inhibitors of the para-Aminobenzoic Acid Pathway Produced by the Marine <i>Verrucosipora</i> Strain AB-18-032. <i>Journal of Antibiotics</i> , 2004, 57, 271-279.	2.0	272
5	Abyssomicin C, A Polycyclic Antibiotic from a Marine <i>Verrucosipora</i> Strain as an Inhibitor of the para-Aminobenzoic Acid/Tetrahydrofolate Biosynthesis Pathway. <i>Angewandte Chemie - International Edition</i> , 2004, 43, 2574-2576.	13.8	270
6	Diversity of actinomycetes isolated from Challenger Deep sediment (10,898 m) from the Mariana Trench. <i>Extremophiles</i> , 2006, 10, 181-189.	2.3	232
7	Marine actinomycetes as a source of novel secondary metabolites. <i>Antonie Van Leeuwenhoek</i> , 2005, 87, 37-42.	1.7	218
8	Biodiversity as a Source of Innovation in Biotechnology. <i>Annual Review of Microbiology</i> , 1992, 46, 219-246.	7.3	207
9	Diversity of culturable actinomycetes in hyper-arid soils of the Atacama Desert, Chile. <i>Antonie Van Leeuwenhoek</i> , 2009, 95, 121-133.	1.7	185
10	Diversity of cultivable actinobacteria in geographically widespread marine sediments. <i>Antonie Van Leeuwenhoek</i> , 2005, 87, 11-18.	1.7	172
11	Marine actinobacteria: perspectives, challenges, future directions. <i>Antonie Van Leeuwenhoek</i> , 2005, 87, 65-79.	1.7	170
12	Statistical Approaches for Estimating Actinobacterial Diversity in Marine Sediments. <i>Applied and Environmental Microbiology</i> , 2003, 69, 6189-6200.	3.1	168
13	Caboxamycin, a new antibiotic of the benzoxazole family produced by the deep-sea strain <i>Streptomyces</i> sp. NTK 937. <i>Journal of Antibiotics</i> , 2009, 62, 99-104.	2.0	165
14	Proximicin A, B and C, Novel Aminofuran Antibiotic and Anticancer Compounds Isolated from Marine Strains of the Actinomycete <i>Verrucosipora</i> . <i>Journal of Antibiotics</i> , 2008, 61, 158-163.	2.0	140
15	Diverse Metabolic Profiles of a <i>Streptomyces</i> Strain Isolated from a Hyper-arid Environment. <i>Journal of Natural Products</i> , 2011, 74, 1965-1971.	3.0	129
16	The Atacama Desert: Technical Resources and the Growing Importance of Novel Microbial Diversity. <i>Annual Review of Microbiology</i> , 2016, 70, 215-234.	7.3	127
17	Dermacozines, a new phenazine family from deep-sea dermacocci isolated from a Mariana Trench sediment. <i>Organic and Biomolecular Chemistry</i> , 2010, 8, 2352.	2.8	123
18	Chaxamycins A-D, Bioactive Ansamycins from a Hyper-arid Desert <i>Streptomyces</i> sp.. <i>Journal of Natural Products</i> , 2011, 74, 1491-1499.	3.0	116

#	ARTICLE	IF	CITATIONS
19	Comparative genomics reveals phylogenetic distribution patterns of secondary metabolites in <i>Amycolatopsis</i> species. <i>BMC Genomics</i> , 2018, 19, 426.	2.8	111
20	Estimating and comparing the diversity of marine actinobacteria. <i>Antonie Van Leeuwenhoek</i> , 2005, 87, 3-9.	1.7	109
21	The renaissance of continuous culture in the post-genomics age. <i>Journal of Industrial Microbiology and Biotechnology</i> , 2010, 37, 993-1021.	3.0	105
22	Induction of diverse secondary metabolites in <i>Aspergillus fumigatus</i> by microbial co-culture. <i>RSC Advances</i> , 2013, 3, 14444.	3.6	104
23	Chaxapeptin, a Lasso Peptide from Extremotolerant <i>Streptomyces leeuwenhoekii</i> Strain C58 from the Hyperarid Atacama Desert. <i>Journal of Organic Chemistry</i> , 2015, 80, 10252-10260.	3.2	83
24	Microbiology of hyper-arid environments: recent insights from the Atacama Desert, Chile. <i>Antonie Van Leeuwenhoek</i> , 2013, 103, 1173-1179.	1.7	75
25	Actinobacteria of the Extremobiosphere. , 2011, , 1203-1240.		72
26	Rare taxa and dark microbial matter: novel bioactive actinobacteria abound in Atacama Desert soils. <i>Antonie Van Leeuwenhoek</i> , 2018, 111, 1315-1332.	1.7	70
27	Atacamycins A-C, 22-membered antitumor macrolactones produced by <i>Streptomyces</i> sp. C38. <i>Journal of Antibiotics</i> , 2011, 64, 775-780.	2.0	68
28	Physiology, biochemistry and taxonomy of deep-sea nitrile metabolising <i>Rhodococcus</i> strains. <i>Antonie Van Leeuwenhoek</i> , 2001, 80, 169-183.	1.7	65
29	Actinobacterial Rare Biospheres and Dark Matter Revealed in Habitats of the Chilean Atacama Desert. <i>Scientific Reports</i> , 2017, 7, 8373.	3.3	65
30	<i>Dermacoccus abyssi</i> sp. nov., a piezotolerant actinomycete isolated from the Mariana Trench. <i>International Journal of Systematic and Evolutionary Microbiology</i> , 2006, 56, 1233-1237.	1.7	62
31	<i>Streptomyces leeuwenhoekii</i> sp. nov., the producer of chaxalactins and chaxamycins, forms a distinct branch in <i>Streptomyces</i> gene trees. <i>Antonie Van Leeuwenhoek</i> , 2014, 105, 849-861.	1.7	62
32	<i>Williamsia maris</i> sp. nov., a novel actinomycete isolated from the Sea of Japan. <i>International Journal of Systematic and Evolutionary Microbiology</i> , 2004, 54, 191-194.	1.7	51
33	The physiology of lactate production by <i>Lactobacillus delbreuckii</i> in a chemostat with cell recycle. <i>Biotechnology and Bioengineering</i> , 1989, 34, 592-599.	3.3	50
34	Dermacozines H Isolated from a Deep-Sea Strain of <i>Dermacoccus abyssi</i> from Mariana Trench Sediments. <i>Journal of Natural Products</i> , 2014, 77, 416-420.	3.0	48
35	<i>Modestobacter caceresii</i> sp. nov., novel actinobacteria with an insight into their adaptive mechanisms for survival in extreme hyper-arid Atacama Desert soils. <i>Systematic and Applied Microbiology</i> , 2016, 39, 243-251.	2.8	46
36	<i>Dermacoccus barathri</i> sp. nov. and <i>Dermacoccus profundi</i> sp. nov., novel actinomycetes isolated from deep-sea mud of the Mariana Trench. <i>International Journal of Systematic and Evolutionary Microbiology</i> , 2006, 56, 2303-2307.	1.7	45

#	ARTICLE	IF	CITATIONS
37	<i>Streptomyces asenjonii</i> sp. nov., isolated from hyper-arid Atacama Desert soils and emended description of <i>Streptomyces viridosporus</i> Pridham et al. 1958. <i>Antonie Van Leeuwenhoek</i> , 2017, 110, 1133-1148.	1.7	42
38	High altitude, hyper-arid soils of the Central-Andes harbor mega-diverse communities of actinobacteria. <i>Extremophiles</i> , 2018, 22, 47-57.	2.3	42
39	<i>Antimicrobials</i> , 0, , 336-355.		41
40	Dark, rare and inspirational microbial matter in the extremobiosphere: 16 000 m of bioprospecting campaigns. <i>Microbiology (United Kingdom)</i> , 2019, 165, 1252-1264.	1.8	40
41	Discrimination and taxonomy of geographically diverse strains of nitrile-metabolizing actinomycetes using chemometric and molecular sequencing techniques. <i>Environmental Microbiology</i> , 2002, 4, 262-276.	3.8	38
42	Diversity of Nitrile Hydratase and Amidase Enzyme Genes in <i>Rhodococcus erythropolis</i> Recovered from Geographically Distinct Habitats. <i>Applied and Environmental Microbiology</i> , 2003, 69, 5754-5766.	3.1	37
43	<i>Williamsia marianensis</i> sp. nov., a novel actinomycete isolated from the Mariana Trench. <i>International Journal of Systematic and Evolutionary Microbiology</i> , 2006, 56, 1123-1126.	1.7	37
44	Dereplication for biotechnology screening: PyMS analysis and PCR-RFLP-SSCP (PRS) profiling of 16S rRNA genes of marine and terrestrial actinomycetes. <i>Applied Microbiology and Biotechnology</i> , 2002, 58, 77-83.	3.6	36
45	<i>Lechevaleria atacamensis</i> sp. nov., <i>Lechevaleria deserti</i> sp. nov. and <i>Lechevaleria roselyniae</i> sp. nov., isolated from hyperarid soils. <i>International Journal of Systematic and Evolutionary Microbiology</i> , 2010, 60, 296-300.	1.7	36
46	Asenjonamides A-C, antibacterial metabolites isolated from <i>Streptomyces asenjonii</i> strain KNN 42.f from an extreme-hyper arid Atacama Desert soil. <i>Journal of Antibiotics</i> , 2018, 71, 425-431.	2.0	36
47	Nitrile hydrolysing activities of deep-sea and terrestrial mycolate actinomycetes. <i>Antonie Van Leeuwenhoek</i> , 2003, 84, 89-98.	1.7	35
48	Targeted search for actinomycetes from nearshore and deep-sea marine sediments. <i>FEMS Microbiology Ecology</i> , 2013, 84, 510-518.	2.7	35
49	<i>Microbial Endemism and Biogeography</i> , 0, , 225-231.		35
50	<i>Streptomyces atacamensis</i> sp. nov., isolated from an extreme hyper-arid soil of the Atacama Desert, Chile. <i>International Journal of Systematic and Evolutionary Microbiology</i> , 2012, 62, 2680-2684.	1.7	34
51	Uncovering the potential of novel micromonosporae isolated from an extreme hyper-arid Atacama Desert soil. <i>Scientific Reports</i> , 2019, 9, 4678.	3.3	34
52	<i>Blastococcus atacamensis</i> sp. nov., a novel strain adapted to life in the Yungay core region of the Atacama Desert. <i>International Journal of Systematic and Evolutionary Microbiology</i> , 2018, 68, 2712-2721.	1.7	33
53	Isolation and anti-HIV-1 integrase activity of lentzeosides F from extremotolerant <i>lentzea</i> sp. H45, a strain isolated from a high-altitude Atacama Desert soil. <i>Journal of Antibiotics</i> , 2017, 70, 448-453.	2.0	31
54	Introducing the Atacama Desert. <i>Antonie Van Leeuwenhoek</i> , 2018, 111, 1269-1272.	1.7	31

#	ARTICLE	IF	CITATIONS
55	<i>Streptomyces deserti</i> sp. nov., isolated from hyper-arid Atacama Desert soil. <i>Antonie Van Leeuwenhoek</i> , 2012, 101, 575-581.	1.7	30
56	Rapid characterisation of deep-sea actinomycetes for biotechnology screening programmes. <i>Antonie Van Leeuwenhoek</i> , 2000, 77, 359-367.	1.7	27
57	<i>Streptomyces aridus</i> sp. nov., isolated from a high altitude Atacama Desert soil and emended description of <i>Streptomyces noboritoensis</i> Isono et al. 1957. <i>Antonie Van Leeuwenhoek</i> , 2017, 110, 705-717.	1.7	26
58	Classification of thermophilic actinobacteria isolated from arid desert soils, including the description of <i>Amycolatopsis deserti</i> sp. nov.. <i>Antonie Van Leeuwenhoek</i> , 2016, 109, 319-334.	1.7	25
59	<i>Geodermatophilus chilensis</i> sp. nov., from soil of the Yungay core-region of the Atacama Desert, Chile. <i>Systematic and Applied Microbiology</i> , 2018, 41, 427-436.	2.8	25
60	Genome Sequence of the Abyssomicin- and Proximicin-Producing Marine Actinomycete <i>Verrucosispora maris</i> AB-18-032. <i>Journal of Bacteriology</i> , 2011, 193, 3391-3392.	2.2	24
61	<i>Lentzea chajnantorensis</i> sp. nov., an actinobacterium from a very high altitude Cerro Chajnantor gravel soil in northern Chile. <i>Antonie Van Leeuwenhoek</i> , 2017, 110, 795-802.	1.7	23
62	<i>Pseudonocardia nigra</i> sp. nov., isolated from Atacama Desert rock. <i>International Journal of Systematic and Evolutionary Microbiology</i> , 2017, 67, 2980-2985.	1.7	23
63	Marine actinobacteria: perspectives, challenges, future directions. <i>Antonie Van Leeuwenhoek</i> , 2005, 87, 65-79.	1.7	22
64	<i>Modestobacter excelsi</i> sp. nov., a novel actinobacterium isolated from a high altitude Atacama Desert soil. <i>Systematic and Applied Microbiology</i> , 2020, 43, 126051.	2.8	21
65	Vancomycin production is enhanced in chemostat culture with biomass-recycle. , 1999, 62, 576-582.		19
66	Prologue: Definition, Categories, Distribution, Origin and Evolution, Pioneering Studies, and Emerging Fields of Extremophiles. , 2011, , 3-15.		19
67	A new 20-membered macrolide produced by a marine-derived <i>Micromonospora</i> strain. <i>Natural Product Research</i> , 2013, 27, 1366-1371.	1.8	18
68	Phylogeny and Functionality: Taxonomy as a Roadmap to Genes. , 0, , 288-313.		17
69	<i>Amycolatopsis vastitatis</i> sp. nov., an isolate from a high altitude subsurface soil on Cerro Chajnantor, northern Chile. <i>Antonie Van Leeuwenhoek</i> , 2018, 111, 1523-1533.	1.7	16
70	<i>Micromonospora acroterricola</i> sp. nov., a novel actinobacterium isolated from a high altitude Atacama Desert soil. <i>International Journal of Systematic and Evolutionary Microbiology</i> , 2019, 69, 3426-3436.	1.7	16
71	Deep Biospheres. , 0, , 120-129.		16
72	<i>Nocardiopsis deserti</i> sp. nov., isolated from a high altitude Atacama Desert soil. <i>International Journal of Systematic and Evolutionary Microbiology</i> , 2020, 70, 3210-3218.	1.7	15

#	ARTICLE	IF	CITATIONS
73	Hunting for cultivable Micromonospora strains in soils of the Atacama Desert. Antonie Van Leeuwenhoek, 2018, 111, 1375-1387.	1.7	14
74	Selective Isolation of Actinobacteria. , 2014, , 13-27.		13
75	Speciation and Bacterial Phylopecies. , 2014, , 40-48.		11
76	Modestobacter altitudinis sp. nov., a novel actinobacterium isolated from Atacama Desert soil. International Journal of Systematic and Evolutionary Microbiology, 2020, 70, 3513-3527.	1.7	11
77	New genus-specific primers for PCR identification of Rubrobacter strains. Antonie Van Leeuwenhoek, 2019, 112, 1863-1874.	1.7	7
78	Generation of environmentally enhanced products: clean technology for paper chemicals. Journal of Chemical Technology and Biotechnology, 1997, 70, 60-66.	3.2	5
79	Continuous Culture for Production. , 1983, , 405-437.		5
80	Draft Genome Sequence of Marine Actinomycete Streptomyces sp. Strain NTK 937, Producer of the Benzoxazole Antibiotic Caboxamycin. Genome Announcements, 2014, 2, .	0.8	4
81	The Paradigm Shift in Microbial Prospecting. , 0, , 241-249.		4
82	How To Look, Where To Look. , 0, , 71-79.		4
83	Preface. Antonie Van Leeuwenhoek, 2018, 111, 1267-1267.	1.7	3
84	Ivan Májlek [1909-1994]: a tribute. Journal of Chemical Technology and Biotechnology, 2011, 86, 621-624.	3.2	1