

Kapil Tahlan

List of Publications by Year in descending order

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44
papers

2,496
citations

361413

20
h-index

276875

41
g-index

44
all docs

44
docs citations

44
times ranked

4024
citing authors

#	ARTICLE	IF	CITATIONS
1	Minimum Information about a Biosynthetic Gene cluster. <i>Nature Chemical Biology</i> , 2015, 11, 625-631.	8.0	715
2	SQ109 Targets MmpL3, a Membrane Transporter of Trehalose Monomycolate Involved in Mycolic Acid Donation to the Cell Wall Core of <i>Mycobacterium tuberculosis</i> . <i>Antimicrobial Agents and Chemotherapy</i> , 2012, 56, 1797-1809.	3.2	437
3	Uptake of unnatural trehalose analogs as a reporter for <i>Mycobacterium tuberculosis</i> . <i>Nature Chemical Biology</i> , 2011, 7, 228-235.	8.0	202
4	Biosynthesis and Recycling of Nicotinamide Cofactors in <i>Mycobacterium tuberculosis</i> . <i>Journal of Biological Chemistry</i> , 2008, 283, 19329-19341.	3.4	152
5	Initiation of actinorhodin export in <i>Streptomyces coelicolor</i> . <i>Molecular Microbiology</i> , 2007, 63, 951-961.	2.5	116
6	A community resource for paired genomic and metabolomic data mining. <i>Nature Chemical Biology</i> , 2021, 17, 363-368.	8.0	81
7	Origins of the β -lactam rings in natural products. <i>Journal of Antibiotics</i> , 2013, 66, 401-410.	2.0	61
8	Crystal Structures of the <i>Streptomyces coelicolor</i> TetR-Like Protein ActR Alone and in Complex with Actinorhodin or the Actinorhodin Biosynthetic Precursor (S)-DNPA. <i>Journal of Molecular Biology</i> , 2008, 376, 1377-1387.	4.2	59
9	A Two-Step Mechanism for the Activation of Actinorhodin Export and Resistance in <i>Streptomyces coelicolor</i> . <i>MBio</i> , 2012, 3, e00191-12.	4.1	56
10	Expression of <i>ccaR</i> , Encoding the Positive Activator of Cephamycin C and Clavulanic Acid Production in <i>Streptomyces clavuligerus</i> , Is Dependent on <i>bldG</i> . <i>Antimicrobial Agents and Chemotherapy</i> , 2005, 49, 1529-1541.	3.2	52
11	Two Sets of Paralogous Genes Encode the Enzymes Involved in the Early Stages of Clavulanic Acid and Clavam Metabolite Biosynthesis in <i>Streptomyces clavuligerus</i> . <i>Antimicrobial Agents and Chemotherapy</i> , 2004, 48, 930-939.	3.2	49
12	Ligand Recognition by ActR, a TetR-Like Regulator of Actinorhodin Export. <i>Journal of Molecular Biology</i> , 2008, 383, 753-761.	4.2	45
13	<i>Klebsiella</i> Species Associated with Bovine Mastitis in Newfoundland. <i>PLoS ONE</i> , 2014, 9, e106518.	2.5	45
14	The Paralogous Pairs of Genes Involved in Clavulanic Acid and Clavam Metabolite Biosynthesis Are Differently Regulated in <i>Streptomyces clavuligerus</i> . <i>Journal of Bacteriology</i> , 2004, 186, 6286-6297.	2.2	32
15	5S Clavam Biosynthetic Genes Are Located in Both the Clavam and Paralog Gene Clusters in <i>Streptomyces clavuligerus</i> . <i>Chemistry and Biology</i> , 2007, 14, 131-142.	6.0	32
16	Three unlinked gene clusters are involved in clavam metabolite biosynthesis in <i>Streptomyces clavuligerus</i> . <i>Canadian Journal of Microbiology</i> , 2004, 50, 803-810.	1.7	29
17	Genome-Wide Diversity and Phylogeography of <i>Mycobacterium avium</i> subsp. <i>paratuberculosis</i> in Canadian Dairy Cattle. <i>PLoS ONE</i> , 2016, 11, e0149017.	2.5	24
18	Investigation of Transcription Repression and Small-Molecule Responsiveness by TetR-Like Transcription Factors Using a Heterologous <i>Escherichia coli</i> -Based Assay. <i>Journal of Bacteriology</i> , 2007, 189, 6655-6664.	2.2	23

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19	TxtH is a key component of the thaxtomin biosynthetic machinery in the potato common scab pathogen <i>Streptomyces scabies</i> . <i>Molecular Plant Pathology</i> , 2019, 20, 1379-1393.	4.2	23
20	Genomic and Metabolomic Analysis of the Potato Common Scab Pathogen <i>Streptomyces scabiei</i> . <i>ACS Omega</i> , 2021, 6, 11474-11487.	3.5	21
21	Transcriptional and translational analysis of the <i>ccaR</i> gene from <i>Streptomyces clavuligerus</i> . <i>Microbiology (United Kingdom)</i> , 2004, 150, 4137-4145.	1.8	20
22	Comparative Genomics and Metabolomics Analyses of Clavulanic Acid-Producing <i>Streptomyces</i> Species Provides Insight Into Specialized Metabolism. <i>Frontiers in Microbiology</i> , 2019, 10, 2550.	3.5	20
23	Regulation of Coronafacoyl Phytotoxin Production by the PAS-LuxR Family Regulator CfaR in the Common Scab Pathogen <i>Streptomyces scabies</i> . <i>PLoS ONE</i> , 2015, 10, e0122450.	2.5	20
24	Proteomics analysis of global regulatory cascades involved in clavulanic acid production and morphological development in <i>Streptomyces clavuligerus</i> . <i>Journal of Industrial Microbiology and Biotechnology</i> , 2016, 43, 537-555.	3.0	18
25	Bacterial Transmembrane Proteins that Lack N-Terminal Signal Sequences. <i>PLoS ONE</i> , 2011, 6, e19421.	2.5	18
26	Genome Sequences of <i>Klebsiella variicola</i> Isolates from Dairy Animals with Bovine Mastitis from Newfoundland, Canada. <i>Genome Announcements</i> , 2015, 3, .	0.8	15
27	Î-(<i>scp</i> I- <i>scp</i> I±-aminoadipyl)- <i>scp</i> I-cysteinyI- <i>scp</i> d-valine synthetase (ACVS): discovery and perspectives. <i>Journal of Industrial Microbiology and Biotechnology</i> , 2017, 44, 517-524.	3.0	15
28	Examination of <i>Mycobacterium avium</i> subspecies <i>paratuberculosis</i> mixed genotype infections in dairy animals using a whole genome sequencing approach. <i>PeerJ</i> , 2016, 4, e2793.	2.0	14
29	Mycobacterial Membrane Proteins QcrB and AtpE: Roles in Energetics, Antibiotic Targets, and Associated Mechanisms of Resistance. <i>Journal of Membrane Biology</i> , 2018, 251, 105-117.	2.1	13
30	Specialized Metabolites from Ribosome Engineered Strains of <i>Streptomyces clavuligerus</i> . <i>Metabolites</i> , 2021, 11, 239.	2.9	13
31	Use of the native <i>flp</i> gene to generate in-frame unmarked mutations in <i>Streptomyces</i> spp.. <i>Gene</i> , 2009, 443, 48-54.	2.2	12
32	Methods for Detecting Mycobacterial Mixed Strain Infectionsâ€“A Systematic Review. <i>Frontiers in Genetics</i> , 2020, 11, 600692.	2.3	12
33	Nigericin and Geldanamycin Are Phytotoxic Specialized Metabolites Produced by the Plant Pathogen <i>Streptomyces</i> sp. 11-1-2. <i>Microbiology Spectrum</i> , 2022, 10, e0231421.	3.0	11
34	Typing of <i>Mycobacterium avium</i> Subspecies <i>paratuberculosis</i> Isolates from Newfoundland Using Fragment Analysis. <i>PLoS ONE</i> , 2015, 10, e0126071.	2.5	10
35	Production of Plant-Associated Volatiles by Select Model and Industrially Important <i>Streptomyces</i> spp.. <i>Microorganisms</i> , 2020, 8, 1767.	3.6	8
36	Carboxyethylarginine Synthase Genes Show Complex Cross-Regulation in <i>Streptomyces clavuligerus</i> . <i>Applied and Environmental Microbiology</i> , 2013, 79, 240-249.	3.1	6

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37	In vivo functional analysis of a class A β -lactamase-related protein essential for clavulanic acid biosynthesis in <i>Streptomyces clavuligerus</i> . PLoS ONE, 2019, 14, e0215960.	2.5	6
38	5S Clavam Biosynthesis Is Controlled by an Atypical Two-Component Regulatory System in <i>Streptomyces clavuligerus</i> . Antimicrobial Agents and Chemotherapy, 2012, 56, 4845-4855.	3.2	4
39	New cell wall biosynthesis inhibitors under active development for tuberculosis. Drugs of the Future, 2009, 34, 739.	0.1	3
40	Functional Cross-Talk of MbtH-Like Proteins During Thaxtomin Biosynthesis in the Potato Common Scab Pathogen <i>Streptomyces scabiei</i> . Frontiers in Microbiology, 2020, 11, 585456.	3.5	2
41	Mechanisms underlying mycobacterial infections. Drug Discovery Today Disease Mechanisms, 2010, 7, e1-e3.	0.8	1
42	Drugs against <i>Mycobacterium tuberculosis</i> . , 2020, , 139-170.		1
43	Canadian Aquaculture: Supporting the need to develop sentinel surveillance programs for antimicrobial resistance among Canadian marine aquaculture facilities. ISEE Conference Abstracts, 2021, 2021, .	0.0	0
44	705 Canadian salmon aquaculture: the absence of antimicrobial resistance from hazard designation in an industry with high reporting of occupational injuries. Safety and Health at Work, 2022, 13, S335.	0.6	0