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	Nigericin and Geldanamycin Are Phytotoxic Specialized Metabolites Produced by the Plant Pathogen Streptomyces sp. 11-1-2. Microbiology Spectrum, 2022, 10, e0231421.	3.0	11
2	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
3	A community resource for paired genomic and metabolomic data mining. Nature Chemical Biology, 2021, 17, 363-368.	8.0	81
4	Genomic and Metabolomic Analysis of the Potato Common Scab Pathogen Streptomyces scabiei. ACS Omega, 2021, 6, 11474-11487.	3.5	21
5	Specialized Metabolites from Ribosome Engineered Strains of Streptomyces clavuligerus. Metabolites, 2021, 11, 239.	2.9	13
6	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
7	Production of Plant-Associated Volatiles by Select Model and Industrially Important Streptomyces spp.. Microorganisms, 2020, 8, 1767.	3.6	8
8	Methods for Detecting Mycobacterial Mixed Strain Infectionsâ€“A Systematic Review. Frontiers in Genetics, 2020, 11, 600692.	2.3	12
9	Functional Cross-Talk of MbtH-Like Proteins During Thaxtomin Biosynthesis in the Potato Common Scab Pathogen Streptomyces scabiei. Frontiers in Microbiology, 2020, 11, 585456.	3.5	2
10	Drugs against Mycobacterium tuberculosis. , 2020, , 139-170.		1
11	TxtH is a key component of the thaxtomin biosynthetic machinery in the potato common scab pathogen Streptomyces scabies. Molecular Plant Pathology, 2019, 20, 1379-1393.	4.2	23
12	Comparative Genomics and Metabolomics Analyses of Clavulanic Acid-Producing Streptomyces Species Provides Insight Into Specialized Metabolism. Frontiers in Microbiology, 2019, 10, 2550.	3.5	20
13	In vivo functional analysis of a class A Î²-lactamase-related protein essential for clavulanic acid biosynthesis in Streptomyces clavuligerus. PLoS ONE, 2019, 14, e0215960.	2.5	6
14	Mycobacterial Membrane Proteins QcrB and AtpE: Roles in Energetics, Antibiotic Targets, and Associated Mechanisms of Resistance. Journal of Membrane Biology, 2018, 251, 105-117.	2.1	13
15	Î´-(<scp>l</scp>-Î±-aminoadipyl)-<scp>l</scp>-cysteinyl-<scp>d</scp>-valine synthetase (ACVS): discovery and perspectives. Journal of Industrial Microbiology and Biotechnology, 2017, 44, 517-524.	3.0	15
16	Proteomics analysis of global regulatory cascades involved in clavulanic acid production and morphological development in Streptomyces clavuligerus. Journal of Industrial Microbiology and Biotechnology, 2016, 43, 537-555.	3.0	18
17	Genome-Wide Diversity and Phylogeography of Mycobacterium avium subsp. paratuberculosis in Canadian Dairy Cattle. PLoS ONE, 2016, 11, e0149017.	2.5	24
18	Examination ofMycobacterium aviumsubspeciesparatuberculosismixed genotype infections in dairy animals using a whole genome sequencing approach. PeerJ, 2016, 4, e2793.	2.0	14

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19	Genome Sequences of Klebsiella variicola Isolates from Dairy Animals with Bovine Mastitis from Newfoundland, Canada. Genome Announcements, 2015, 3, .	0.8	15
20	Minimum Information about a Biosynthetic Gene cluster. Nature Chemical Biology, 2015, 11, 625-631.	8.0	715
21	Regulation of Coronafacoyl Phytotoxin Production by the PAS-LuxR Family Regulator CfaR in the Common Scab Pathogen Streptomyces scabies. PLoS ONE, 2015, 10, e0122450.	2.5	20
22	Typing of Mycobacterium avium Subspecies paratuberculosis Isolates from Newfoundland Using Fragment Analysis. PLoS ONE, 2015, 10, e0126071.	2.5	10
23	Klebsiella Species Associated with Bovine Mastitis in Newfoundland. PLoS ONE, 2014, 9, e106518.	2.5	45
24	Carboxyethylarginine Synthase Genes Show Complex Cross-Regulation in Streptomyces clavuligerus. Applied and Environmental Microbiology, 2013, 79, 240-249.	3.1	6
25	Origins of the Î²-lactam rings in natural products. Journal of Antibiotics, 2013, 66, 401-410.	2.0	61
26	A Two-Step Mechanism for the Activation of Actinorhodin Export and Resistance in Streptomyces coelicolor. MBio, 2012, 3, e00191-12.	4.1	56
27	5S Clavam Biosynthesis Is Controlled by an Atypical Two-Component Regulatory System in Streptomyces clavuligerus. Antimicrobial Agents and Chemotherapy, 2012, 56, 4845-4855.	3.2	4
28	SQ109 Targets MmpL3, a Membrane Transporter of Trehalose Monomycolate Involved in Mycolic Acid Donation to the Cell Wall Core of Mycobacterium tuberculosis. Antimicrobial Agents and Chemotherapy, 2012, 56, 1797-1809.	3.2	437
29	Uptake of unnatural trehalose analogs as a reporter for Mycobacterium tuberculosis. Nature Chemical Biology, 2011, 7, 228-235.	8.0	202
30	Bacterial Transmembrane Proteins that Lack N-Terminal Signal Sequences. PLoS ONE, 2011, 6, e19421.	2.5	18
31	Mechanisms underlying mycobacterial infections. Drug Discovery Today Disease Mechanisms, 2010, 7, e1-e3.	0.8	1
32	Use of the native flp gene to generate in-frame unmarked mutations in Streptomyces spp.. Gene, 2009, 443, 48-54.	2.2	12
33	New cell wall biosynthesis inhibitors under active development for tuberculosis. Drugs of the Future, 2009, 34, 739.	0.1	3
34	Crystal Structures of the Streptomyces coelicolor TetR-Like Protein ActR Alone and in Complex with Actinorhodin or the Actinorhodin Biosynthetic Precursor (S)-DNPA. Journal of Molecular Biology, 2008, 376, 1377-1387.	4.2	59
35	Ligand Recognition by ActR, a TetR-Like Regulator of Actinorhodin Export. Journal of Molecular Biology, 2008, 383, 753-761.	4.2	45
36	Biosynthesis and Recycling of Nicotinamide Cofactors in Mycobacterium tuberculosis. Journal of Biological Chemistry, 2008, 283, 19329-19341.	3.4	152

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37	Investigation of Transcription Repression and Small-Molecule Responsiveness by TetR-Like Transcription Factors Using a HeterologousEscherichia coli-Based Assay. Journal of Bacteriology, 2007, 189, 6655-6664.	2.2	23
38	5S Clavam Biosynthetic Genes Are Located in Both the Clavam and Paralog Gene Clusters in Streptomyces clavuligerus. Chemistry and Biology, 2007, 14, 131-142.	6.0	32
39	Initiation of actinorhodin export in Streptomyces coelicolor. Molecular Microbiology, 2007, 63, 951-961.	2.5	116
40	Expression of ccaR , Encoding the Positive Activator of Cephamycin C and Clavulanic Acid Production in Streptomyces clavuligerus , Is Dependent on bldG. Antimicrobial Agents and Chemotherapy, 2005, 49, 1529-1541.	3.2	52
41	The Paralogous Pairs of Genes Involved in Clavulanic Acid and Clavam Metabolite Biosynthesis Are Differently Regulated in Streptomyces clavuligerus. Journal of Bacteriology, 2004, 186, 6286-6297.	2.2	32
42	Two Sets of Paralogous Genes Encode the Enzymes Involved in the Early Stages of Clavulanic Acid and Clavam Metabolite Biosynthesis in Streptomyces clavuligerus. Antimicrobial Agents and Chemotherapy, 2004, 48, 930-939.	3.2	49
43	Transcriptional and translational analysis of the ccaR gene from Streptomyces clavuligerus. Microbiology (United Kingdom), 2004, 150, 4137-4145.	1.8	20
44	Three unlinked gene clusters are involved in clavam metabolite biosynthesis in Streptomyces clavuligerus. Canadian Journal of Microbiology, 2004, 50, 803-810.	1.7	29