Anutthaman Parthasarathy

List of Publications by Year
in descending order

29 papers	889 citations	623188 14 h-index	552369 26 g-index
31 all docs	31 docs citations	31 times ranked	1185 citing authors

#	Article	IF	Citations
1	Exploration of Chemical Biology Approaches to Facilitate the Discovery and Development of Novel Antibiotics. Frontiers in Tropical Diseases, 2022, 3, .	0.5	5
2	Amino acidâ€“derived defense metabolites from plants: AÂpotential source to facilitate novel antimicrobial development. Journal of Biological Chemistry, 2021, 296, 100438.	1.6	31
3	Exiguobacterium sp. is endowed with antibiotic properties against Gram positive and negative bacteria. BMC Research Notes, 2021, 14, 230.	0.6	5
4	Antileishmanial Drug Development: A Review of Modern Molecular Chemical Tools and Research Strategies. Current Medicinal Chemistry, 2021, 28, 6337-6357.	1.2	1
5	Isolation, Whole-Genome Sequencing, and Annotation of Three Unclassified Antibiotic-Producing Bacteria, Enterobacter sp. Strain RIT 637, Pseudomonas sp. Strain RIT 778, and Deinococcus sp. Strain RIT 780. Microbiology Resource Announcements, 2021, 10, e0086321.	0.3	1
6	Detectives and helpers: Natural products as resources for chemical probes and compound libraries. , 2020, 216, 107688.		11
7	Aeromonas hydrophila RIT668 and Citrobacter portucalensis RIT669â€”Potential Zoonotic Pathogens Isolated from Spotted Turtles. Microorganisms, 2020, 8, 1805.	1.6	3
8	Expression of a Shiga-Like Toxin during Plastic Colonization by Two Multidrug-Resistant Bacteria, Aeromonas hydrophila RIT668 and Citrobacter freundii RIT669, Isolated from Endangered Turtles (Clemmys guttata). Microorganisms, 2020, 8, 1172.	1.6	14
9	Isolation and whole-genome sequencing of Pseudomonas sp. RIT 623, a slow-growing bacterium endowed with antibiotic properties. BMC Research Notes, 2020, 13, 370.	0.6	9
10	Whole-Genome Sequencing of Pantoea sp. Strain RIT388, a Potential Oral Opportunistic Pathogen Isolated from a Chewing Stick (Distemonanthus benthamianus). Microbiology Resource Announcements, 2020, 9, .	0.3	1
11	Structureâ€“Function Studies of the Antibiotic Target <scp>l</scp>,<scp>l</scp>-Diaminopimelate Aminotransferase from Verrucomicrobium spinosum Reveal an Unusual Oligomeric Structure. Biochemistry, 2020, 59, 2274-2288.	1.2	0
12	Creation of an electrokinetic characterization library for the detection and identification of biological cells. Analytical and Bioanalytical Chemistry, 2020, 412, 3935-3945.	1.9	26
13	Defeating the trypanosomatid trio: proteomics of the protozoan parasites causing neglected tropical diseases. RSC Medicinal Chemistry, 2020, 11, 625-645.	1.7	18
14	The Synthesis and Role of Î²-Alanine in Plants. Frontiers in Plant Science, 2019, 10, 921.	1.7	112
15	The Quest for Novel Antimicrobial Compounds: Emerging Trends in Research, Development, and Technologies. Antibiotics, 2019, 8, 8.	1.5	67
16	Is Plastic Pollution in Aquatic and Terrestrial Environments a Driver for the Transmission of Pathogens and the Evolution of Antibiotic Resistance?. Environmental Science & Technology, 2019, 53, 1744-1745.	4.6	57
17	Isolation, Whole-Genome Sequencing, and Annotation of Yimella sp. RIT 621, a Strain That Produces Antibiotic Compounds against Escherichia coli ATCC 25922 and Bacillus subtilis BGSC 168. Microbiology Resource Announcements, 2019, 8, .	0.3	0
18	SELfies and CELLfies: Whole Genome Sequencing and Annotation of Five Antibiotic Resistant Bacteria Isolated from the Surfaces of Smartphones, An Inquiry Based Laboratory Exercise in a Genomics Undergraduate Course at the Rochester Institute of Technology. Journal of Genomics, 2019, 7, 26-30.	0.6	5

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19	The Medicinal Chemistry of Therapeutic Peptides: Recent Developments in Synthesis and Design Optimizations. Current Medicinal Chemistry, 2019, 26, 2330-2355.	1.2	12
20	Whole-Genome Sequencing and Annotation of Exiguobacterium sp. RIT 452, an Antibiotic-Producing Strain Isolated from a Pond Located on the Campus of the Rochester Institute of Technology. Microbiology Resource Announcements, 2018, 7, .	0.3	1
21	Isolation and genomic characterization of six endophytic bacteria isolated from Saccharum sp (sugarcane): Insights into antibiotic, secondary metabolite and quorum sensing metabolism. Journal of Genomics, 2018, 6, 117-121.	0.6	8
22	A Three-Ring Circus: Metabolism of the Three Proteogenic Aromatic Amino Acids and Their Role in the Health of Plants and Animals. Frontiers in Molecular Biosciences, 2018, 5, 29.	1.6	214
23	Biochemical and EPR-Spectroscopic Investigation into Heterologously Expressed Vinyl Chloride Reductive Dehalogenase (VcrA) from Dehalococcoides mccartyi Strain VS. Journal of the American Chemical Society, 2015, 137, 3525-3532.	6.6	70
24	An Electron-bifurcating Caffeyl-CoA Reductase. Journal of Biological Chemistry, 2013, 288, 11304-11311.	1.6	86
25	Phenylalanine catabolism in Archaeoglobus fulgidus VC-16. Archives of Microbiology, 2013, 195, 781-797.	1.0	9
26	Caffeate Respiration in the Acetogenic Bacterium Acetobacterium woodii: a Coenzyme A Loop Saves Energy for Caffeate Activation. Applied and Environmental Microbiology, 2013, 79, 1942-1947.	1.4	30
27	Enzyme catalyzed radical dehydrations of hydroxy acids. Biochimica Et Biophysica Acta - Proteins and Proteomics, 2012, 1824, 1278-1290.	1.1	25
28	Substrate Specificity of 2-Hydroxyglutaryl-CoA Dehydratase fromClostridium symbiosum: Toward a Bio-Based Production of Adipic Acid. Biochemistry, 2011, 50, 3540-3550.	1.2	40
29	On the thermodynamic equilibrium between (R)â€2â€hydroxyacylâ€CoA and 2â€enoylâ€CoA. FEBS Journal, 2010, 277, 1738-1746.	2.2	24