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	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
2	The Synthesis and Role of Î²-Alanine in Plants. Frontiers in Plant Science, 2019, 10, 921.	1.7	112
3	An Electron-bifurcating Caffeyl-CoA Reductase. Journal of Biological Chemistry, 2013, 288, 11304-11311.	1.6	86
4	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
5	The Quest for Novel Antimicrobial Compounds: Emerging Trends in Research, Development, and Technologies. Antibiotics, 2019, 8, 8.	1.5	67
6	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
7	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
8	Amino acidâ€“derived defense metabolites from plants: AÂpotential source to facilitate novel antimicrobial development. Journal of Biological Chemistry, 2021, 296, 100438.	1.6	31
9	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
10	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
11	Enzyme catalyzed radical dehydrations of hydroxy acids. Biochimica Et Biophysica Acta - Proteins and Proteomics, 2012, 1824, 1278-1290.	1.1	25
12	On the thermodynamic equilibrium between (R)â€2â€hydroxyacylâ€CoA and 2â€enoylâ€CoA. FEBS Journal, 2010, 277, 1738-1746.	2.2	24
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	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
15	The Medicinal Chemistry of Therapeutic Peptides: Recent Developments in Synthesis and Design Optimizations. Current Medicinal Chemistry, 2019, 26, 2330-2355.	1.2	12
16	Detectives and helpers: Natural products as resources for chemical probes and compound libraries. , 2020, 216, 107688.		11
17	Phenylalanine catabolism in Archaeoglobus fulgidus VC-16. Archives of Microbiology, 2013, 195, 781-797.	1.0	9
18	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

#	Article	IF	Citations
19	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
20	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
21	Exiguobacterium sp. is endowed with antibiotic properties against Gram positive and negative bacteria. BMC Research Notes, 2021, 14, 230.	0.6	5
22	Exploration of Chemical Biology Approaches to Facilitate the Discovery and Development of Novel Antibiotics. Frontiers in Tropical Diseases, 2022, 3, .	0.5	5
23	Aeromonas hydrophila RIT668 and Citrobacter portucalensis RIT669â€"Potential Zoonotic Pathogens Isolated from Spotted Turtles. Microorganisms, 2020, 8, 1805.	1.6	3
24	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
25	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
26	Antileishmanial Drug Development: A Review of Modern Molecular Chemical Tools and Research Strategies. Current Medicinal Chemistry, 2021, 28, 6337-6357.	1.2	1
27	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
28	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
29	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