

Srujana Samhita Yadavalli

List of Publications by Year
in descending order

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Version: 2024-02-01

20
papers

1,025
citations

567281
15
h-index

752698
20
g-index

23
all docs

23
docs citations

23
times ranked

1722
citing authors

#	ARTICLE	IF	CITATIONS
1	Mitochondrial phenylalanyl-tRNA synthetase mutations underlie fatal infantile Alpers encephalopathy. <i>Human Molecular Genetics</i> , 2012, 21, 4521-4529.	2.9	143
2	Quality control in aminoacyl-tRNA synthesis. <i>Advances in Protein Chemistry and Structural Biology</i> , 2012, 86, 1-43.	2.3	115
3	Selection of tRNA charging quality control mechanisms that increase mistranslation of the genetic code. <i>Nucleic Acids Research</i> , 2013, 41, 1104-1112.	14.5	107
4	Self-Sorting and Coassembly of Fluorinated, Hydrogenated, and Hybrid Janus Dendrimers into Dendrimersomes. <i>Journal of the American Chemical Society</i> , 2016, 138, 12655-12663.	13.7	83
5	Resampling and Editing of Mischarged tRNA Prior to Translation Elongation. <i>Molecular Cell</i> , 2009, 33, 654-660.	9.7	79
6	Bioactive cell-like hybrids coassembled from (glyco)dendrimersomes with bacterial membranes. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016, 113, E1134-41.	7.1	69
7	tRNAs: Cellular barcodes for amino acids. <i>FEBS Letters</i> , 2010, 584, 387-395.	2.8	68
8	Phenylalanyl-tRNA synthetase editing defects result in efficient mistranslation of phenylalanine codons as tyrosine. <i>Rna</i> , 2007, 13, 1881-1886.	3.5	61
9	Antimicrobial peptides trigger a division block in <i>Escherichia coli</i> through stimulation of a signalling system. <i>Nature Communications</i> , 2016, 7, 12340.	12.8	52
10	Bioactive cell-like hybrids from dendrimersomes with a human cell membrane and its components. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019, 116, 744-752.	7.1	49
11	tRNA Methylation Is a Global Determinant of Bacterial Multi-drug Resistance. <i>Cell Systems</i> , 2019, 8, 302-314.e8.	6.2	41
12	Functional Determinants of a Small Protein Controlling a Broadly Conserved Bacterial Sensor Kinase. <i>Journal of Bacteriology</i> , 2020, 202, .	2.2	26
13	Self-interrupted synthesis of sterically hindered aliphatic polyamide dendrimers. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017, 114, E2275-E2284.	7.1	25
14	Natural variation of a sensor kinase controlling a conserved stress response pathway in <i>Escherichia coli</i> . <i>PLoS Genetics</i> , 2017, 13, e1007101.	3.5	23
15	Large-scale movement of functional domains facilitates aminoacylation by human mitochondrial phenylalanyl-tRNA synthetase. <i>FEBS Letters</i> , 2009, 583, 3204-3208.	2.8	22
16	Bacterial Small Membrane Proteins: the Swiss Army Knife of Regulators at the Lipid Bilayer. <i>Journal of Bacteriology</i> , 2022, 204, JB0034421.	2.2	21
17	The return of pretransfer editing in protein synthesis. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2008, 105, 19031-19032.	7.1	11
18	Mitochondrial Aminoacyl-tRNA Synthetase Single-Nucleotide Polymorphisms That Lead to Defects in Refolding but Not Aminoacylation. <i>Journal of Molecular Biology</i> , 2011, 410, 280-293.	4.2	10

#	ARTICLE	IF	CITATIONS
19	Exploring Ribosome-Positioning on Translating Transcripts with Ribosome Profiling. Methods in Molecular Biology, 2022, 2404, 83-110.	0.9	5
20	tRNA Methylation Controls Bacterial Multi-Drug Resistance. FASEB Journal, 2018, 32, 105.1.	0.5	0