Srujana Samhita Yadavalli

List of Publications by Year
in descending order

20	1,025	643344 15	843174 20
papers	citations	h-index	g-index

23	23	23	1914
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Bacterial Small Membrane Proteins: the Swiss Army Knife of Regulators at the Lipid Bilayer. Journal of Bacteriology, 2022, 204, JB0034421.	1.0	21
2	Exploring Ribosome-Positioning on Translating Transcripts with Ribosome Profiling. Methods in Molecular Biology, 2022, 2404, 83-110.	0.4	5
3	Functional Determinants of a Small Protein Controlling a Broadly Conserved Bacterial Sensor Kinase. Journal of Bacteriology, 2020, 202, .	1.0	26
4	tRNA Methylation Is a Global Determinant of Bacterial Multi-drug Resistance. Cell Systems, 2019, 8, 302-314.e8.	2.9	41
5	Bioactive cell-like hybrids from dendrimersomes with a human cell membrane and its components. Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 744-752.	3.3	49
6	tRNA Methylation Controls Bacterial Multiâ€Ðrug Resistance. FASEB Journal, 2018, 32, 105.1.	0.2	0
7	Self-interrupted synthesis of sterically hindered aliphatic polyamide dendrimers. Proceedings of the National Academy of Sciences of the United States of America, 2017, 114, E2275-E2284.	3.3	25
8	Natural variation of a sensor kinase controlling a conserved stress response pathway in Escherichia coli. PLoS Genetics, 2017, 13, e1007101.	1.5	23
9	Self-Sorting and Coassembly of Fluorinated, Hydrogenated, and Hybrid Janus Dendrimers into Dendrimersomes. Journal of the American Chemical Society, 2016, 138, 12655-12663.	6.6	83
10	Antimicrobial peptides trigger a division block in Escherichia coli through stimulation of a signalling system. Nature Communications, 2016, 7, 12340.	5.8	52
11	Bioactive cell-like hybrids coassembled from (glyco)dendrimersomes with bacterial membranes. Proceedings of the National Academy of Sciences of the United States of America, 2016, 113, E1134-41.	3.3	69
12	Selection of tRNA charging quality control mechanisms that increase mistranslation of the genetic code. Nucleic Acids Research, 2013, 41, 1104-1112.	6.5	107
13	Mitochondrial phenylalanyl-tRNA synthetase mutations underlie fatal infantile Alpers encephalopathy. Human Molecular Genetics, 2012, 21, 4521-4529.	1.4	143
14	Quality control in aminoacyl-tRNA synthesis. Advances in Protein Chemistry and Structural Biology, 2012, 86, 1-43.	1.0	115
15	Mitochondrial Aminoacyl-tRNA Synthetase Single-Nucleotide Polymorphisms That Lead to Defects in Refolding but Not Aminoacylation. Journal of Molecular Biology, 2011, 410, 280-293.	2.0	10
16	tRNAs: Cellular barcodes for amino acids. FEBS Letters, 2010, 584, 387-395.	1.3	68
17	Largeâ€scale movement of functional domains facilitates aminoacylation by human mitochondrial phenylalanylâ€tRNA synthetase. FEBS Letters, 2009, 583, 3204-3208.	1.3	22
18	Resampling and Editing of Mischarged tRNA Prior to Translation Elongation. Molecular Cell, 2009, 33, 654-660.	4.5	79

#	Article	IF	Citations
19	The return of pretransfer editing in protein synthesis. Proceedings of the National Academy of Sciences of the United States of America, 2008, 105, 19031-19032.	3.3	11
20	Phenylalanyl-tRNA synthetase editing defects result in efficient mistranslation of phenylalanine codons as tyrosine. Rna, 2007, 13, 1881-1886.	1.6	61