Srujana Samhita Yadavalli

List of Publications by Year
in descending order

20	1,025	567247 15	752679 20
papers	citations	h-index	g-index

23	23	23	1722
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Mitochondrial phenylalanyl-tRNA synthetase mutations underlie fatal infantile Alpers encephalopathy. Human Molecular Genetics, 2012, 21, 4521-4529.	2.9	143
2	Quality control in aminoacyl-tRNA synthesis. Advances in Protein Chemistry and Structural Biology, 2012, 86, 1-43.	2.3	115
3	Selection of tRNA charging quality control mechanisms that increase mistranslation of the genetic code. Nucleic Acids Research, 2013, 41, 1104-1112.	14.5	107
4	Self-Sorting and Coassembly of Fluorinated, Hydrogenated, and Hybrid Janus Dendrimers into Dendrimersomes. Journal of the American Chemical Society, 2016, 138, 12655-12663.	13.7	83
5	Resampling and Editing of Mischarged tRNA Prior to Translation Elongation. Molecular Cell, 2009, 33, 654-660.	9.7	79
6	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.	7.1	69
7	tRNAs: Cellular barcodes for amino acids. FEBS Letters, 2010, 584, 387-395.	2.8	68
8	Phenylalanyl-tRNA synthetase editing defects result in efficient mistranslation of phenylalanine codons as tyrosine. Rna, 2007, 13, 1881-1886.	3.5	61
9	Antimicrobial peptides trigger a division block in Escherichia coli through stimulation of a signalling system. Nature Communications, 2016, 7, 12340.	12.8	52
10	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.	7.1	49
11	tRNA Methylation Is a Global Determinant of Bacterial Multi-drug Resistance. Cell Systems, 2019, 8, 302-314.e8.	6.2	41
12	Functional Determinants of a Small Protein Controlling a Broadly Conserved Bacterial Sensor Kinase. Journal of Bacteriology, 2020, 202, .	2.2	26
13	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.	7.1	25
14	Natural variation of a sensor kinase controlling a conserved stress response pathway in Escherichia coli. PLoS Genetics, 2017, 13, e1007101.	3.5	23
15	Largeâ€scale movement of functional domains facilitates aminoacylation by human mitochondrial phenylalanylâ€tRNA synthetase. FEBS Letters, 2009, 583, 3204-3208.	2.8	22
16	Bacterial Small Membrane Proteins: the Swiss Army Knife of Regulators at the Lipid Bilayer. Journal of Bacteriology, 2022, 204, JB0034421.	2.2	21
17	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.	7.1	11
18	Mitochondrial Aminoacyl-tRNA Synthetase Single-Nucleotide Polymorphisms That Lead to Defects in Refolding but Not Aminoacylation. Journal of Molecular Biology, 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 Multiâ€Drug Resistance. FASEB Journal, 2018, 32, 105.1.	0.5	0