Ana Crnkovic

List of Publications by Year
in descending order

17	347	932766 10	887659 17
papers	citations	h-index	g-index

17	17	17	454
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Upgrading aminoacyl-tRNA synthetases for genetic code expansion. Current Opinion in Chemical Biology, 2018, 46, 115-122.	2.8	94
2	Cryo-EM Structure of the Archaeal 50S Ribosomal Subunit in Complex with Initiation Factor 6 and Implications for Ribosome Evolution. Journal of Molecular Biology, 2012, 418, 145-160.	2.0	42
3	Biological Nanopores: Engineering on Demand. Life, 2021, 11, 27.	1.1	33
4	The central role of tRNA in genetic code expansion. Biochimica Et Biophysica Acta - General Subjects, 2017, 1861, 3001-3008.	1.1	27
5	Pyrrolysyl-tRNA Synthetase, an Aminoacyl-tRNA Synthetase for Genetic Code Expansion. Croatica Chemica Acta, 2016, 89, 163-174.	0.1	24
6	RNA-Dependent Cysteine Biosynthesis in Bacteria and Archaea. MBio, 2017, 8, .	1.8	20
7	Engineering aminoacyl-tRNA synthetases for use in synthetic biology. The Enzymes, 2020, 48, 351-395.	0.7	16
8	Plasticity and Constraints of tRNA Aminoacylation Define Directed Evolution of Aminoacyl-tRNA Synthetases. International Journal of Molecular Sciences, 2019, 20, 2294.	1.8	15
9	Bioinformatic Analysis Reveals Archaeal tRNATyr and tRNATrp Identities in Bacteria. Life, 2017, 7, 8.	1.1	13
10	Identification of Amino Acids in the N-terminal Domain of Atypical Methanogenic-type Seryl-tRNA Synthetase Critical for tRNA Recognition. Journal of Biological Chemistry, 2009, 284, 30643-30651.	1.6	11
11	Versatility of Synthetic tRNAs in Genetic Code Expansion. Genes, 2018, 9, 537.	1.0	11
12	Effects of Heterologous tRNA Modifications on the Production of Proteins Containing Noncanonical Amino Acids. Bioengineering, 2018, 5, 11.	1.6	10
13	Intein-based Design Expands Diversity of Selenocysteine Reporters. Journal of Molecular Biology, 2022, 434, 167199.	2.0	9
14	Bacterial translation machinery for deliberate mistranslation of the genetic code. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, .	3.3	9
15	Designing serylâ€•tRNA synthetase for improved serylation of selenocysteine tRNA s. FEBS Letters, 2018, 592, 3759-3768.	1.3	6
16	Indirect Routes to Aminoacyl-tRNA: The Diversity of Prokaryotic Cysteine Encoding Systems. Frontiers in Genetics, 2021, 12, 794509.	1.1	4
17	An archaeal aminoacyl-tRNA synthetase complex for improved substrate quality control. Biochimie, 2018, 147, 36-45.	1.3	3