

# Ana Crnkovic

## List of Publications by Year in descending order

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17  
papers

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932766

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887659

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citing authors

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