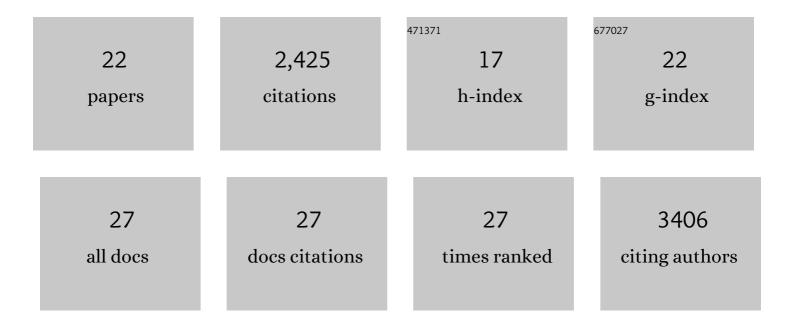
## Sergey V Melnikov

List of Publications by Year in descending order

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#	Article	IF	CITATIONS
1	The Structure of the Eukaryotic Ribosome at 3.0 Ã Resolution. Science, 2011, 334, 1524-1529.	6.0	1,006
2	One core, two shells: bacterial and eukaryotic ribosomes. Nature Structural and Molecular Biology, 2012, 19, 560-567.	3.6	345
3	Structural insights into the role of rRNA modifications in protein synthesis and ribosome assembly. Nature Structural and Molecular Biology, 2015, 22, 342-344.	3.6	224
4	Nuclear Oncoprotein Prothymosin α Is a Partner of Keap1: Implications for Expression of Oxidative Stress-Protecting Genes. Molecular and Cellular Biology, 2005, 25, 1089-1099.	1.1	162
5	Crystal structure of the 80S yeast ribosome. Current Opinion in Structural Biology, 2012, 22, 759-767.	2.6	120
6	Molecular insights into protein synthesis with proline residues. EMBO Reports, 2016, 17, 1776-1784.	2.0	73
7	Insights into RNA binding by the anticancer drug cisplatin from the crystal structure of cisplatin-modified ribosome. Nucleic Acids Research, 2016, 44, 4978-4987.	6.5	69
8	Revising the Structural Diversity of Ribosomal Proteins Across the Three Domains of Life. Molecular Biology and Evolution, 2018, 35, 1588-1598.	3.5	66
9	Crystal Structure of Hypusine-Containing Translation Factor elF5A Bound to a Rotated Eukaryotic Ribosome. Journal of Molecular Biology, 2016, 428, 3570-3576.	2.0	53
10	Structural Insights into the Role of Diphthamide on Elongation Factor 2 in mRNA Reading-Frame Maintenance. Journal of Molecular Biology, 2018, 430, 2677-2687.	2.0	38
11	Mechanistic insights into the slow peptide bond formation with D-amino acids in the ribosomal active site. Nucleic Acids Research, 2019, 47, 2089-2100.	6.5	36
12	Error-prone protein synthesis in parasites with the smallest eukaryotic genome. Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, E6245-E6253.	3.3	30
13	Insights into the origin of the nuclear localization signals in conserved ribosomal proteins. Nature Communications, 2015, 6, 7382.	5.8	26
14	Aminoacyl-tRNA Synthetases and tRNAs for an Expanded Genetic Code: What Makes them Orthogonal?. International Journal of Molecular Sciences, 2019, 20, 1929.	1.8	25
15	Loss of protein synthesis quality control in host-restricted organisms. Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, E11505-E11512.	3.3	24
16	Engineered Aminoacyl-tRNA Synthetases with Improved Selectivity toward Noncanonical Amino Acids. ACS Chemical Biology, 2019, 14, 603-612.	1.6	23
17	Muller's Ratchet and Ribosome Degeneration in the Obligate Intracellular Parasites Microsporidia. International Journal of Molecular Sciences, 2018, 19, 4125.	1.8	22
18	Adaptation to genome decay in the structure of the smallest eukaryotic ribosome. Nature Communications, 2022, 13, 591.	5.8	22

#	Article	IF	CITATIONS
19	Exploiting evolutionary trade-offs for posttreatment management of drug-resistant populations. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 17924-17931.	3.3	19
20	Archaeal Ribosomal Proteins Possess Nuclear Localization Signal-Type Motifs: Implications for the Origin of the Cell Nucleus. Molecular Biology and Evolution, 2020, 37, 124-133.	3.5	17
21	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
22	Structure of the Eukaryotic Ribosome: Tips and Tricks. NATO Science for Peace and Security Series A: Chemistry and Biology, 2013, , 313-320.	0.5	1