

Sergey V Melnikov

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

22
papers

1,781
citations

15
h-index

27
g-index

27
ext. papers

2,176
ext. citations

11.3
avg, IF

4.63
L-index

#	Paper	IF	Citations
22	Adaptation to genome decay in the structure of the smallest eukaryotic ribosome.. <i>Nature Communications</i> , 2022 , 13, 591	17.4	1
21	Exploiting evolutionary trade-offs for posttreatment management of drug-resistant populations. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020 , 117, 17924-17931	11.5	7
20	Archaeal Ribosomal Proteins Possess Nuclear Localization Signal-Type Motifs: Implications for the Origin of the Cell Nucleus. <i>Molecular Biology and Evolution</i> , 2020 , 37, 124-133	8.3	7
19	Aminoacyl-tRNA Synthetases and tRNAs for an Expanded Genetic Code: What Makes them Orthogonal?. <i>International Journal of Molecular Sciences</i> , 2019 , 20,	6.3	15
18	Mechanistic insights into the slow peptide bond formation with D-amino acids in the ribosomal active site. <i>Nucleic Acids Research</i> , 2019 , 47, 2089-2100	20.1	18
17	Engineered Aminoacyl-tRNA Synthetases with Improved Selectivity toward Noncanonical Amino Acids. <i>ACS Chemical Biology</i> , 2019 , 14, 603-612	4.9	11
16	Revising the Structural Diversity of Ribosomal Proteins Across the Three Domains of Life. <i>Molecular Biology and Evolution</i> , 2018 , 35, 1588-1598	8.3	40
15	Structural Insights into the Role of Diphthamide on Elongation Factor 2 in mRNA Reading-Frame Maintenance. <i>Journal of Molecular Biology</i> , 2018 , 430, 2677-2687	6.5	18
14	Error-prone protein synthesis in parasites with the smallest eukaryotic genome. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018 , 115, E6245-E6253	11.5	20
13	Loss of protein synthesis quality control in host-restricted organisms. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018 , 115, E11505-E11512	11.5	17
12	Muller's Ratchet and Ribosome Degeneration in the Obligate Intracellular Parasites. <i>International Journal of Molecular Sciences</i> , 2018 , 19,	6.3	12
11	Insights into RNA binding by the anticancer drug cisplatin from the crystal structure of cisplatin-modified ribosome. <i>Nucleic Acids Research</i> , 2016 , 44, 4978-87	20.1	50
10	Molecular insights into protein synthesis with proline residues. <i>EMBO Reports</i> , 2016 , 17, 1776-1784	6.5	43
9	Crystal Structure of Hypusine-Containing Translation Factor eIF5A Bound to a Rotated Eukaryotic Ribosome. <i>Journal of Molecular Biology</i> , 2016 , 428, 3570-3576	6.5	36
8	Insights into the origin of the nuclear localization signals in conserved ribosomal proteins. <i>Nature Communications</i> , 2015 , 6, 7382	17.4	21
7	Structural insights into the role of rRNA modifications in protein synthesis and ribosome assembly. <i>Nature Structural and Molecular Biology</i> , 2015 , 22, 342-344	17.6	148
6	Structure of the Eukaryotic Ribosome: Tips and Tricks. <i>NATO Science for Peace and Security Series A: Chemistry and Biology</i> , 2013 , 313-320	0.1	1

5	Crystal structure of the 80S yeast ribosome. <i>Current Opinion in Structural Biology</i> , 2012 , 22, 759-67	8.1	100
4	One core, two shells: bacterial and eukaryotic ribosomes. <i>Nature Structural and Molecular Biology</i> , 2012 , 19, 560-7	17.6	267
3	The structure of the eukaryotic ribosome at 3.0 Å resolution. <i>Science</i> , 2011 , 334, 1524-9	33.3	802
2	Nuclear oncoprotein prothymosin alpha is a partner of Keap1: implications for expression of oxidative stress-protecting genes. <i>Molecular and Cellular Biology</i> , 2005 , 25, 1089-99	4.8	144
1	Archaeal ribosomal proteins possess nuclear localization signal-type motifs: implications for the origin of the cell nucleus		1