

# Ivan B Lomakin

## List of Publications by Citations

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**Version:** 2024-04-25

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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.

20  
papers

1,062  
citations

13  
h-index

21  
g-index

21  
ext. papers

1,285  
ext. citations

13.9  
avg, IF

4.62  
L-index

#	Paper	IF	Citations
20	The crystal structure of yeast fatty acid synthase, a cellular machine with eight active sites working together. <i>Cell</i> , <b>2007</b> , 129, 319-32	56.2	187
19	The initiation of mammalian protein synthesis and mRNA scanning mechanism. <i>Nature</i> , <b>2013</b> , 500, 307-11	50.4	128
18	Position of eukaryotic initiation factor eIF1 on the 40S ribosomal subunit determined by directed hydroxyl radical probing. <i>Genes and Development</i> , <b>2003</b> , 17, 2786-97	12.6	122
17	The mechanism of inhibition of protein synthesis by the proline-rich peptide oncocin. <i>Nature Structural and Molecular Biology</i> , <b>2015</b> , 22, 466-9	17.6	114
16	Structures of proline-rich peptides bound to the ribosome reveal a common mechanism of protein synthesis inhibition. <i>Nucleic Acids Research</i> , <b>2016</b> , 44, 2439-50	20.1	99
15	Position of the CrPV IRES on the 40S subunit and factor dependence of IRES/80S ribosome assembly. <i>EMBO Reports</i> , <b>2004</b> , 5, 906-13	6.5	95
14	The fidelity of translation initiation: reciprocal activities of eIF1, IF3 and YciH. <i>EMBO Journal</i> , <b>2006</b> , 25, 196-210	13	92
13	Nonstructural Protein 1 of SARS-CoV-2 Is a Potent Pathogenicity Factor Redirecting Host Protein Synthesis Machinery toward Viral RNA. <i>Molecular Cell</i> , <b>2020</b> , 80, 1055-1066.e6	17.6	65
12	and Mutations Co-occur and Cooperate in Low-Grade Serous Ovarian Carcinomas. <i>Cancer Research</i> , <b>2017</b> , 77, 4268-4278	10.1	32
11	Crystal Structure of the Human Ribosome in Complex with DENR-MCT-1. <i>Cell Reports</i> , <b>2017</b> , 20, 521-528	10.6	29
10	Human keratin 1/10-1B tetramer structures reveal a knob-pocket mechanism in intermediate filament assembly. <i>EMBO Journal</i> , <b>2019</b> , 38,	13	21
9	Recent insight into intermediate filament structure. <i>Current Opinion in Cell Biology</i> , <b>2021</b> , 68, 132-143	9	19
8	Sarecycline interferes with tRNA accommodation and tethers mRNA to the 70S ribosome. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2020</b> , 117, 20530-20537	11.5	17
7	Crystal structure of the DENR-MCT-1 complex revealed zinc-binding site essential for heterodimer formation. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2019</b> , 116, 528-533	11.5	10
6	Crystal Structure of the C-terminal Domain of Human eIF2D and Its Implications on Eukaryotic Translation Initiation. <i>Journal of Molecular Biology</i> , <b>2017</b> , 429, 2765-2771	6.5	9
5	Coronavirus Nsp1: Immune Response Suppression and Protein Expression Inhibition. <i>Frontiers in Microbiology</i> , <b>2021</b> , 12, 752214	5.7	7
4	Crystal Structure of Keratin 1/10(C401A) 2B Heterodimer Demonstrates a Proclivity for the C-Terminus of Helix 2B to Form Higher Order Molecular Contacts. <i>Yale Journal of Biology and Medicine</i> , <b>2020</b> , 93, 3-17	2.4	5

3	Crystal structure of the C-terminal domain of DENR. <i>Computational and Structural Biotechnology Journal</i> , <b>2020</b> , 18, 696-704	6.8	3
2	Nonstructural protein 1 of SARS-CoV-2 is a potent pathogenicity factor redirecting host protein synthesis machinery toward viral RNA		3
1	Structural properties of target binding by profilaggrin A and B domains and other S100 fused-type calcium-binding proteins. <i>Journal of Dermatological Science</i> , <b>2020</b> , 100, 39-49	4.3	2