

Ivan B Lomakin

List of Publications by Year in descending order

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Version: 2024-02-01

20
papers

1,469
citations

566801

15
h-index

752256

20
g-index

21
all docs

21
docs citations

21
times ranked

2112
citing authors

#	ARTICLE	IF	CITATIONS
1	The Crystal Structure of Yeast Fatty Acid Synthase, a Cellular Machine with Eight Active Sites Working Together. <i>Cell</i> , 2007, 129, 319-332.	13.5	212
2	The initiation of mammalian protein synthesis and mRNA scanning mechanism. <i>Nature</i> , 2013, 500, 307-311.	13.7	163
3	Nonstructural Protein 1 of SARS-CoV-2 Is a Potent Pathogenicity Factor Redirecting Host Protein Synthesis Machinery toward Viral RNA. <i>Molecular Cell</i> , 2020, 80, 1055-1066.e6.	4.5	152
4	The mechanism of inhibition of protein synthesis by the proline-rich peptide oncocin. <i>Nature Structural and Molecular Biology</i> , 2015, 22, 466-469.	3.6	144
5	Structures of proline-rich peptides bound to the ribosome reveal a common mechanism of protein synthesis inhibition. <i>Nucleic Acids Research</i> , 2016, 44, 2439-2450.	6.5	132
6	Position of eukaryotic initiation factor eIF1 on the 40S ribosomal subunit determined by directed hydroxyl radical probing. <i>Genes and Development</i> , 2003, 17, 2786-2797.	2.7	127
7	Position of the CrPV IRES on the 40S subunit and factor dependence of IRES/80S ribosome assembly. <i>EMBO Reports</i> , 2004, 5, 906-913.	2.0	114
8	The fidelity of translation initiation: reciprocal activities of eIF1, IF3 and YciH. <i>EMBO Journal</i> , 2006, 25, 196-210.	3.5	105
9	<i>EIF1AX</i> and <i>NRAS</i> Mutations Co-occur and Cooperate in Low-Grade Serous Ovarian Carcinomas. <i>Cancer Research</i> , 2017, 77, 4268-4278.	0.4	56
10	Recent insight into intermediate filament structure. <i>Current Opinion in Cell Biology</i> , 2021, 68, 132-143.	2.6	53
11	Crystal Structure of the Human Ribosome in Complex with DENR-MCT-1. <i>Cell Reports</i> , 2017, 20, 521-528.	2.9	47
12	Coronavirus Nsp1: Immune Response Suppression and Protein Expression Inhibition. <i>Frontiers in Microbiology</i> , 2021, 12, 752214.	1.5	43
13	Human keratin 1/10B tetramer structures reveal a knob-pocket mechanism in intermediate filament assembly. <i>EMBO Journal</i> , 2019, 38, .	3.5	34
14	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> , 2020, 117, 20530-20537.	3.3	30
15	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> , 2019, 116, 528-533.	3.3	19
16	Crystal Structure of the C-terminal Domain of Human eIF2D and Its Implications on Eukaryotic Translation Initiation. <i>Journal of Molecular Biology</i> , 2017, 429, 2765-2771.	2.0	13
17	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> , 2020, 93, 3-17.	0.2	13
18	Crystal structure of the C-terminal domain of DENR. <i>Computational and Structural Biotechnology Journal</i> , 2020, 18, 696-704.	1.9	3

#	ARTICLE	IF	CITATIONS
19	Antimicrobial peptides targeting bacterial ribosome. <i>Oncotarget</i> , 2015, 6, 18744-18745.	0.8	3
20	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> , 2020, 100, 39-49.	1.0	2