

Mihnea Bostina

List of Publications by Citations

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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.

45
papers

1,113
citations

19
h-index

33
g-index

50
ext. papers

1,302
ext. citations

5.2
avg, IF

4.2
L-index

#	Paper	IF	Citations
45	Poliovirus RNA is released from the capsid near a twofold symmetry axis. <i>Journal of Virology</i> , 2011 , 85, 776-83	6.6	103
44	Catching a virus in the act of RNA release: a novel poliovirus uncoating intermediate characterized by cryo-electron microscopy. <i>Journal of Virology</i> , 2010 , 84, 4426-41	6.6	90
43	Isolation, characterization and electron microscopic single particle analysis of the NADH:ubiquinone oxidoreductase (complex I) from the hyperthermophilic eubacterium <i>Aquifex aeolicus</i> . <i>Biochemistry</i> , 2003 , 42, 3032-9	3.2	76
42	Functional implications from an unexpected position of the 49-kDa subunit of NADH:ubiquinone oxidoreductase. <i>Journal of Biological Chemistry</i> , 2003 , 278, 29072-8	5.4	74
41	Spacer capture and integration by a type I-F Cas1-Cas2-3 CRISPR adaptation complex. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017 , 114, E5122-E5128	11.5	71
40	Subunit composition of mitochondrial complex I from the yeast <i>Yarrowia lipolytica</i> . <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 2004 , 1658, 148-56	4.6	71
39	RNA transfer from poliovirus 135S particles across membranes is mediated by long umbilical connectors. <i>Journal of Virology</i> , 2013 , 87, 3903-14	6.6	57
38	Altered proliferation and differentiation properties of primary mammary epithelial cells from BRCA1 mutation carriers. <i>Cancer Research</i> , 2009 , 69, 1273-8	10.1	57
37	A nano-fibrillated mesoporous carbon as an effective support for palladium nanoparticles in the aerobic oxidation of alcohols "on pure water". <i>Chemistry - A European Journal</i> , 2012 , 18, 8634-40	4.8	50
36	Atomic model of the <i>E. coli</i> membrane-bound protein translocation complex SecYEG. <i>Journal of Molecular Biology</i> , 2005 , 352, 1035-43	6.5	42
35	Amorphous TiO ₂ coated into periodic mesoporous organosilicate channels as a new binary photocatalyst for regeneration of carbonyl compounds from oximes under sunlight irradiation. <i>Organic and Biomolecular Chemistry</i> , 2013 , 11, 416-9	3.9	32
34	Anthrax toxin receptor 1 is the cellular receptor for Seneca Valley virus. <i>Journal of Clinical Investigation</i> , 2017 , 127, 2957-2967	15.9	31
33	Single particle cryoelectron tomography characterization of the structure and structural variability of poliovirus-receptor-membrane complex at 30 Å resolution. <i>Journal of Structural Biology</i> , 2007 , 160, 200-10	3.4	29
32	Molecular mechanism of DRP1 assembly studied in vitro by cryo-electron microscopy. <i>PLoS ONE</i> , 2017 , 12, e0179397	3.7	27
31	High-yield expression, reconstitution and structure of the recombinant, fully functional glutamate transporter GLT-1 from <i>Rattus norvegicus</i> . <i>Journal of Molecular Biology</i> , 2005 , 351, 598-613	6.5	25
30	An interaction between DNA polymerase and helicase is essential for the high processivity of the bacteriophage T7 replisome. <i>Journal of Biological Chemistry</i> , 2012 , 287, 39050-60	5.4	23
29	Mechanism of action and capsid-stabilizing properties of VHHs with an in vitro antipolioviral activity. <i>Journal of Virology</i> , 2014 , 88, 4403-13	6.6	20

28	Developing Picornaviruses for Cancer Therapy. <i>Cancers</i> , 2019 , 11,	6.6	19
27	CRISPR-Cas gene-editing reveals RsmA and RsmC act through FlhDC to repress the SdhE flavinylation factor and control motility and prodigiosin production in <i>Serratia</i> . <i>Microbiology (United Kingdom)</i> , 2016 , 162, 1047-1058	2.9	19
26	Quaternary structure of WzzB and WzzE polysaccharide copolymerases. <i>Protein Science</i> , 2015 , 24, 58-69	6.3	18
25	Forms of particulate phosphorus in suspension and in bottom sediment in the Danube Delta. <i>Lakes and Reservoirs: Research and Management</i> , 2000 , 5, 105-110	1.2	17
24	Virus-Receptor Interactions: Structural Insights For Oncolytic Virus Development. <i>Oncolytic Virotherapy</i> , 2019 , 8, 39-56	6	17
23	Coordinated rearrangements between cytoplasmic and periplasmic domains of the membrane protein complex ExbB-ExbD of <i>Escherichia coli</i> . <i>Structure</i> , 2014 , 22, 791-7	5.2	16
22	Genome, Proteome and Structure of a T7-Like Bacteriophage of the Kiwifruit Canker Phytopathogen <i>Pseudomonas syringae</i> pv. <i>actinidiae</i> . <i>Viruses</i> , 2015 , 7, 3361-79	6.2	16
21	Chimeric rabies SADB19-VSVg-pseudotyped lentiviral vectors mediate long-range retrograde transduction from the mouse spinal cord. <i>Gene Therapy</i> , 2015 , 22, 357-64	4	14
20	Cryo-Electron Microscopy Structure of Seneca Valley Virus Procapsid. <i>Journal of Virology</i> , 2018 , 92,	6.6	14
19	Biochemical and electron microscopic characterization of the F1F0 ATP synthase from the hyperthermophilic eubacterium <i>Aquifex aeolicus</i> . <i>FEBS Letters</i> , 2006 , 580, 5934-40	3.8	14
18	Different genetic and morphological outcomes for phages targeted by single or multiple CRISPR-Cas spacers. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2019 , 374, 20180090	5.8	12
17	Virus-Receptor Interactions and Virus Neutralization: Insights for Oncolytic Virus Development. <i>Oncolytic Virotherapy</i> , 2020 , 9, 1-15	6	12
16	Structural basis for anthrax toxin receptor 1 recognition by Seneca Valley Virus. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018 , 115, E10934-E10940	11.5	11
15	Protein-protein interactions in the oxidation part of the phenylacetate utilization pathway: crystal structure of the PaaF-PaaG hydratase-isomerase complex. <i>Journal of Biological Chemistry</i> , 2012 , 287, 37986-96	5.4	9
14	Monoclonal antibodies point to Achilles' heel in picornavirus capsid. <i>PLoS Biology</i> , 2019 , 17, e3000232	9.7	5
13	Helical twist direction in the microfibrils of keratin fibres is left handed. <i>Journal of Structural Biology</i> , 2019 , 206, 345-348	3.4	4
12	Family of phenylacetyl-CoA monooxygenases differs in subunit organization from other monooxygenases. <i>Journal of Structural Biology</i> , 2013 , 184, 147-54	3.4	3
11	Label-free visualization of ultrastructural features of artificial synapses via cryo-EM. <i>ACS Chemical Neuroscience</i> , 2011 , 2, 700-4	5.7	3

10	Visualizing Nudivirus Assembly and Egress. <i>MBio</i> , 2020 , 11,	7.8	3
9	N-Linked Glycosylation on Anthrax Toxin Receptor 1 Is Essential for Seneca Valley Virus Infection. <i>Viruses</i> , 2021 , 13,	6.2	3
8	High-pressure freezing followed by freeze substitution of a complex and variable density miniorgan: the wool follicle. <i>Journal of Microscopy</i> , 2020 , 278, 18-28	1.9	2
7	Viral infections alter antennal epithelium ultrastructure in honey bees. <i>Journal of Invertebrate Pathology</i> , 2019 , 168, 107252	2.6	1
6	Hair-Structure Mystery Solved by Datamining Two Decades of Electron Tomograms. <i>Microscopy and Microanalysis</i> , 2019 , 25, 1348-1349	0.5	1
5	Inside Cover: A Nano-Fibrillated Mesoporous Carbon as an Effective Support for Palladium Nanoparticles in the Aerobic Oxidation of Alcohols in Pure Water (Chem. Eur. J. 28/2012). <i>Chemistry - A European Journal</i> , 2012 , 18, 8550-8550	4.8	1
4	Characterization of the First SARS-CoV-2 Isolates from Aotearoa New Zealand as Part of a Rapid Response to the COVID-19 Pandemic.. <i>Viruses</i> , 2022 , 14,	6.2	1
3	Cell Entry: a Biochemical and Structural Perspective 87-104		0
2	A Correlative Fluorescent and Electron Microscopic Technique for Ultralocalization of Trichocyte Keratins. <i>Springer Proceedings in Materials</i> , 2021 , 243-250	0.2	0
1	Structural Analysis and Subunit Localization of Complex I from <i>Yarrowia lipolytica</i> .. <i>Microscopy and Microanalysis</i> , 2004 , 10, 228-229	0.5	