

Mihnea Bostina

List of Publications by Year in descending order

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Version: 2024-02-01

47
papers

1,450
citations

304743

22
h-index

330143

37
g-index

50
all docs

50
docs citations

50
times ranked

1908
citing authors

#	ARTICLE	IF	CITATIONS
1	Poliovirus RNA Is Released from the Capsid near a Twofold Symmetry Axis. <i>Journal of Virology</i> , 2011, 85, 776-783.	3.4	129
2	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, 4426-4441.	3.4	116
3	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.	7.1	89
4	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, 3032-3039.	2.5	86
5	Subunit composition of mitochondrial complex I from the yeast <i>Yarrowia lipolytica</i> . <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 2004, 1658, 148-156.	1.0	78
6	Functional Implications from an Unexpected Position of the 49-kDa Subunit of NADH:Ubiquinone Oxidoreductase. <i>Journal of Biological Chemistry</i> , 2003, 278, 29072-29078.	3.4	77
7	RNA Transfer from Poliovirus 135S Particles across Membranes Is Mediated by Long Umbilical Connectors. <i>Journal of Virology</i> , 2013, 87, 3903-3914.	3.4	73
8	Altered Proliferation and Differentiation Properties of Primary Mammary Epithelial Cells from BRCA1 Mutation Carriers. <i>Cancer Research</i> , 2009, 69, 1273-1278.	0.9	63
9	A Nano-Fibrillated Mesoporous Carbon as an Effective Support for Palladium Nanoparticles in the Aerobic Oxidation of Alcohols in Pure Water. <i>Chemistry - A European Journal</i> , 2012, 18, 8634-8640.	3.3	60
10	Anthrax toxin receptor 1 is the cellular receptor for Seneca Valley virus. <i>Journal of Clinical Investigation</i> , 2017, 127, 2957-2967.	8.2	58
11	Molecular mechanism of DRP1 assembly studied in vitro by cryo-electron microscopy. <i>PLoS ONE</i> , 2017, 12, e0179397.	2.5	44
12	Atomic Model of the E.coli Membrane-bound Protein Translocation Complex SecYEG. <i>Journal of Molecular Biology</i> , 2005, 352, 1035-1043.	4.2	42
13	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.	1.8	38
14	Developing Picornaviruses for Cancer Therapy. <i>Cancers</i> , 2019, 11, 685.	3.7	35
15	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, 416-419.	2.8	33
16	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, 200-210.	2.8	32
17	Cryo-Electron Microscopy Structure of Seneca Valley Virus Procapsid. <i>Journal of Virology</i> , 2018, 92, .	3.4	29
18	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, 39050-39060.	3.4	27

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19	Mechanism of Action and Capsid-Stabilizing Properties of VHHs with an In Vitro Antipolioviral Activity. <i>Journal of Virology</i> , 2014, 88, 4403-4413.	3.4	26
20	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, 3361-3379.	3.3	26
21	<p>Virus"Receptor Interactions: Structural Insights For Oncolytic Virus Development</p>; <i>Oncolytic Virotherapy</i> , 2019, Volume 8, 39-56.	6.0	26
22	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.	4.2	25
23	<p>Virus"Receptor Interactions and Virus Neutralization: Insights for Oncolytic Virus Development</p>. <i>Oncolytic Virotherapy</i> , 2020, Volume 9, 1-15.	6.0	25
24	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.	4.0	24
25	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.	7.1	21
26	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.	0.9	19
27	Coordinated Rearrangements between Cytoplasmic and Periplasmic Domains of the Membrane Protein Complex ExbB-ExbD of <i>Escherichia coli</i> . <i>Structure</i> , 2014, 22, 791-797.	3.3	19
28	Quaternary structure of <sc>W</sc>zzB and <sc>W</sc>zzE polysaccharide copolymerases. <i>Protein Science</i> , 2015, 24, 58-69.	7.6	19
29	Chimeric rabies SADB19-VSVg-pseudotyped lentiviral vectors mediate long-range retrograde transduction from the mouse spinal cord. <i>Gene Therapy</i> , 2015, 22, 357-364.	4.5	16
30	Biochemical and electron microscopic characterization of the F1FOATP Synthase from the hyperthermophilic eubacterium <i>Aquifex aeolicus</i> . <i>FEBS Letters</i> , 2006, 580, 5934-5940.	2.8	15
31	Protein-Protein Interactions in the Î ² -Oxidation Part of the Phenylacetate Utilization Pathway. <i>Journal of Biological Chemistry</i> , 2012, 287, 37986-37996.	3.4	12
32	Monoclonal antibodies point to Achilles" heel in picornavirus capsid. <i>PLoS Biology</i> , 2019, 17, e3000232.	5.6	9
33	Visualizing Nudivirus Assembly and Egress. <i>MBio</i> , 2020, 11, .	4.1	9
34	Helical twist direction in the macrofibrils of keratin fibres is left handed. <i>Journal of Structural Biology</i> , 2019, 206, 345-348.	2.8	8
35	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, 366.	3.3	7
36	N-Linked Glycosylation on Anthrax Toxin Receptor 1 Is Essential for Seneca Valley Virus Infection. <i>Viruses</i> , 2021, 13, 769.	3.3	6

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37	Label-Free Visualization of Ultrastructural Features of Artificial Synapses via Cryo-EM. ACS Chemical Neuroscience, 2011, 2, 700-704.	3.5	5
38	Family of phenylacetyl-CoA monooxygenases differs in subunit organization from other monooxygenases. Journal of Structural Biology, 2013, 184, 147-154.	2.8	5
39	Viral infections alter antennal epithelium ultrastructure in honey bees. Journal of Invertebrate Pathology, 2019, 168, 107252.	3.2	5
40	High-pressure freezing followed by freeze substitution of a complex and variable density miniorgan: the wool follicle. Journal of Microscopy, 2020, 278, 18-28.	1.8	5
41	Processing hair follicles for transmission electron microscopy. Experimental Dermatology, 2022, 31, 110-121.	2.9	2
42	Cell Entry: a Biochemical and Structural Perspective. , 0, , 87-104.		2
43	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). Chemistry - A European Journal, 2012, 18, 8550-8550.	3.3	1
44	Hair-Structure Mystery Solved by Datamining Two Decades of Electron Tomograms. Microscopy and Microanalysis, 2019, 25, 1348-1349.	0.4	1
45	A Correlative Fluorescent and Electron Microscopic Technique for Ultralocalization of Trichocyte Keratins. Springer Proceedings in Materials, 2021, , 243-250.	0.3	1
46	Structural Analysis and Subunit Localization of Complex I from Yarrowia lipolytica.. Microscopy and Microanalysis, 2004, 10, 228-229.	0.4	0
47	Cryo-EM Structure of a Possum Enterovirus. Viruses, 2022, 14, 318.	3.3	0