

Marija Backovic

List of Publications by Year in descending order

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Version: 2024-02-01

44
papers

1,618
citations

331670

21
h-index

345221

36
g-index

49
all docs

49
docs citations

49
times ranked

2801
citing authors

#	ARTICLE	IF	CITATIONS
1	A comparison of four serological assays for detecting anti-SARS-CoV-2 antibodies in human serum samples from different populations. <i>Science Translational Medicine</i> , 2020, 12, .	12.4	228
2	Structure of a trimeric variant of the Epstein-Barr virus glycoprotein B. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2009, 106, 2880-2885.	7.1	199
3	Class III viral membrane fusion proteins. <i>Current Opinion in Structural Biology</i> , 2009, 19, 189-196.	5.7	123
4	Absence of SARS-CoV-2 infection in cats and dogs in close contact with a cluster of COVID-19 patients in a veterinary campus. <i>One Health</i> , 2020, 10, 100164.	3.4	99
5	Multiplex assays for the identification of serological signatures of SARS-CoV-2 infection: an antibody-based diagnostic and machine learning study. <i>Lancet Microbe</i> , The, 2021, 2, e60-e69.	7.3	78
6	Structure of a core fragment of glycoprotein H from pseudorabies virus in complex with antibody. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2010, 107, 22635-22640.	7.1	76
7	A glycerophospholipid-specific pocket in the RVFV class II fusion protein drives target membrane insertion. <i>Science</i> , 2017, 358, 663-667.	12.6	66
8	Hydrophobic Residues That Form Putative Fusion Loops of Epstein-Barr Virus Glycoprotein B Are Critical for Fusion Activity. <i>Journal of Virology</i> , 2007, 81, 9596-9600.	3.4	55
9	The prefusion structure of herpes simplex virus glycoprotein B. <i>Science Advances</i> , 2020, 6, .	10.3	50
10	Formation of Insoluble Oligomers Correlates with ST6Gal I Stable Localization in the Golgi. <i>Journal of Biological Chemistry</i> , 2000, 275, 13819-13826.	3.4	46
11	Structure-Function Dissection of Pseudorabies Virus Glycoprotein B Fusion Loops. <i>Journal of Virology</i> , 2018, 92, .	3.4	45
12	Class III Viral Membrane Fusion Proteins. <i>Advances in Experimental Medicine and Biology</i> , 2011, 714, 91-101.	1.6	44
13	Characterization of EBV gB indicates properties of both class I and class II viral fusion proteins. <i>Virology</i> , 2007, 368, 102-113.	2.4	34
14	Potent human broadly SARS-CoV-2-neutralizing IgA and IgG antibodies effective against Omicron BA.1 and BA.2. <i>Journal of Experimental Medicine</i> , 2022, 219, .	8.5	34
15	Kinetics of the Severe Acute Respiratory Syndrome Coronavirus 2 Antibody Response and Serological Estimation of Time Since Infection. <i>Journal of Infectious Diseases</i> , 2021, 224, 1489-1499.	4.0	32
16	Prior infection by seasonal coronaviruses, as assessed by serology, does not prevent SARS-CoV-2 infection and disease in children, France, April to June 2020. <i>Eurosurveillance</i> , 2021, 26, .	7.0	29
17	Virus entry: old viruses, new receptors. <i>Current Opinion in Virology</i> , 2012, 2, 4-13.	5.4	28
18	Analysis of Epstein-Barr Virus Glycoprotein B Functional Domains via Linker Insertion Mutagenesis. <i>Journal of Virology</i> , 2009, 83, 734-747.	3.4	27

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19	Insight into Residues Critical for Antithrombin Function from Analysis of an Expanded Database of Sequences That Includes Frog, Turtle, and Ostrich Antithrombins. <i>Journal of Proteome Research</i> , 2002, 1, 367-373.	3.7	26
20	Common characteristics and unique features: A comparison of the fusion machinery of the alphaherpesviruses Pseudorabies virus and Herpes simplex virus. <i>Advances in Virus Research</i> , 2019, 104, 225-281.	2.1	25
21	The Therapeutic Antibody LM609 Selectively Inhibits Ligand Binding to Human $\alpha_5\beta_1$ Integrin via Steric Hindrance. <i>Structure</i> , 2017, 25, 1732-1739.e5.	3.3	24
22	Stable Drosophila Cell Lines: An Alternative Approach to Exogenous Protein Expression. <i>Methods in Molecular Biology</i> , 2016, 1350, 349-358.	0.9	24
23	Efficient method for production of high yields of Fab fragments in Drosophila S2 cells. <i>Protein Engineering, Design and Selection</i> , 2010, 23, 169-174.	2.1	20
24	Structure-Based Mutational Analysis of the Highly Conserved Domain IV of Glycoprotein H of Pseudorabies Virus. <i>Journal of Virology</i> , 2012, 86, 8002-8013.	3.4	20
25	Structure-Based Functional Analyses of Domains II and III of Pseudorabies Virus Glycoprotein H. <i>Journal of Virology</i> , 2015, 89, 1364-1376.	3.4	17
26	Repertoire characterization and validation of gB-specific human IgGs directly cloned from humanized mice vaccinated with dendritic cells and protected against HCMV. <i>PLoS Pathogens</i> , 2020, 16, e1008560.	4.7	16
27	Functional Characterization of Glycoprotein H Chimeras Composed of Conserved Domains of the Pseudorabies Virus and Herpes Simplex Virus 1 Homologs. <i>Journal of Virology</i> , 2016, 90, 421-432.	3.4	15
28	Structural similarity of the covalent complexes formed between the serpin plasminogen activator inhibitor-1 and the arginine-specific proteinases trypsin, LMW u-PA, HMW u-PA, and t-PA: Use of site-specific fluorescent probes of local environment. <i>Protein Science</i> , 2002, 11, 1182-1191.	7.6	14
29	<i>In Vitro</i> Viral Evolution Identifies a Critical Residue in the Alphaherpesvirus Fusion Glycoprotein B Ectodomain That Controls gH/gL-Independent Entry. <i>MBio</i> , 2021, 12, .	4.1	14
30	The Highly Conserved Proline at Position 438 in Pseudorabies Virus gH Is Important for Regulation of Membrane Fusion. <i>Journal of Virology</i> , 2014, 88, 13064-13072.	3.4	13
31	Pseudorabies virus glycoprotein B can be used to carry foot and mouth disease antigens in DNA vaccination of pigs. <i>Antiviral Research</i> , 2009, 81, 217-225.	4.1	8
32	Human herpesvirus 8 molecular mimicry of ephrin ligands facilitates cell entry and triggers EphA2 signaling. <i>PLoS Biology</i> , 2021, 19, e3001392.	5.6	7
33	Antibodies Targeting KSHV gH/gL Reveal Distinct Neutralization Mechanisms. <i>Viruses</i> , 2022, 14, 541.	3.3	7
34	Use of NMR to study serpin function. <i>Methods</i> , 2004, 32, 120-129.	3.8	6
35	X-ray Structures of the Post-fusion 6-Helix Bundle of the Human Syncytins and their Functional Implications. <i>Journal of Molecular Biology</i> , 2019, 431, 4922-4940.	4.2	6
36	A replication defect of pseudorabies virus induced by targeted α -helix distortion in the syntaxin-like bundle of glycoprotein H (V275P) is corrected by an adjacent compensatory mutation (V271A). <i>Journal of General Virology</i> , 2015, 96, 2349-2354.	2.9	3

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37	Title is missing!. , 2020, 16, e1008560.		0
38	Title is missing!. , 2020, 16, e1008560.		0
39	Title is missing!. , 2020, 16, e1008560.		0
40	Title is missing!. , 2020, 16, e1008560.		0
41	Title is missing!. , 2020, 16, e1008560.		0
42	Title is missing!. , 2020, 16, e1008560.		0
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44	Title is missing!. , 2020, 16, e1008560.		0