

Chanakha K Navaratnarajah

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23
papers

928
citations

15
h-index

25
g-index

25
ext. papers

1,065
ext. citations

8.9
avg, IF

3.89
L-index

#	Paper	IF	Citations
23	Adherens junction protein nectin-4 is the epithelial receptor for measles virus. <i>Nature</i> , 2011 , 480, 530-3	50.4	405
22	The heads of the measles virus attachment protein move to transmit the fusion-triggering signal. <i>Nature Structural and Molecular Biology</i> , 2011 , 18, 128-34	17.6	84
21	Dynamic interaction of the measles virus hemagglutinin with its receptor signaling lymphocytic activation molecule (SLAM, CD150). <i>Journal of Biological Chemistry</i> , 2008 , 283, 11763-71	5.4	57
20	Membrane fusion triggering: three modules with different structure and function in the upper half of the measles virus attachment protein stalk. <i>Journal of Biological Chemistry</i> , 2012 , 287, 38543-51	5.4	43
19	Base of the measles virus fusion trimer head receives the signal that triggers membrane fusion. <i>Journal of Biological Chemistry</i> , 2012 , 287, 33026-35	5.4	34
18	The measles virus hemagglutinin propeller head A-B hydrophobic groove governs functional interactions with nectin-4 and CD46 but not those with the signaling lymphocytic activation molecule. <i>Journal of Virology</i> , 2013 , 87, 9208-16	6.6	32
17	Receptor-mediated cell entry of paramyxoviruses: Mechanisms, and consequences for tropism and pathogenesis. <i>Journal of Biological Chemistry</i> , 2020 , 295, 2771-2786	5.4	29
16	Structural basis of efficient contagion: measles variations on a theme by parainfluenza viruses. <i>Current Opinion in Virology</i> , 2014 , 5, 16-23	7.5	29
15	The measles virus hemagglutinin stalk: structures and functions of the central fusion activation and membrane-proximal segments. <i>Journal of Virology</i> , 2014 , 88, 6158-67	6.6	23
14	A heterologous coiled coil can substitute for helix I of the Sindbis virus capsid protein. <i>Journal of Virology</i> , 2003 , 77, 8345-53	6.6	23
13	Hydrophobic and charged residues in the central segment of the measles virus hemagglutinin stalk mediate transmission of the fusion-triggering signal. <i>Journal of Virology</i> , 2013 , 87, 10401-4	6.6	19
12	Targeted entry of enveloped viruses: measles and herpes simplex virus I. <i>Current Opinion in Virology</i> , 2012 , 2, 43-9	7.5	18
11	Structural and functional analyses reveal promiscuous and species specific use of ephrin receptors by Cedar virus. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019 , 116, 20707-20715	11.5	17
10	Development of measles virus-based shielded oncolytic vectors: suitability of other paramyxovirus glycoproteins. <i>Cancer Gene Therapy</i> , 2013 , 20, 109-16	5.4	16
9	Functional characterization of the Sindbis virus E2 glycoprotein by transposon linker-insertion mutagenesis. <i>Virology</i> , 2007 , 363, 134-47	3.6	16
8	Rescue and characterization of recombinant cedar virus, a non-pathogenic Henipavirus species. <i>Virology Journal</i> , 2018 , 15, 56	6.1	15
7	-endocytosis elicited by nectins transfers cytoplasmic cargo, including infectious material, between cells. <i>Journal of Cell Science</i> , 2019 , 132,	5.3	15

6	Different roles of the three loops forming the adhesive interface of nectin-4 in measles virus binding and cell entry, nectin-4 homodimerization, and heterodimerization with nectin-1. <i>Journal of Virology</i> , 2014 , 88, 14161-71	6.6	15
5	A Structurally Unresolved Head Segment of Defined Length Favors Proper Measles Virus Hemagglutinin Tetramerization and Efficient Membrane Fusion Triggering. <i>Journal of Virology</i> , 2016 , 90, 68-75	6.6	14
4	Stronger together: Multi-genome transmission of measles virus. <i>Virus Research</i> , 2019 , 265, 74-79	6.4	13
3	Broadly neutralizing antibody cocktails targeting Nipah virus and Hendra virus fusion glycoproteins. <i>Nature Structural and Molecular Biology</i> , 2021 , 28, 426-434	17.6	7
2	Highly Efficient SARS-CoV-2 Infection of Human Cardiomyocytes: Spike Protein-Mediated Cell Fusion and Its Inhibition. <i>Journal of Virology</i> , 2021 , 95, e0136821	6.6	3
1	A recombinant Cedar virus based high-throughput screening assay for henipavirus antiviral discovery. <i>Antiviral Research</i> , 2021 , 193, 105084	10.8	