

Chanakha K Navaratnarajah

List of Publications by Year in descending order

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Version: 2024-02-01

24
papers

1,203
citations

394390

19
h-index

642715

23
g-index

25
all docs

25
docs citations

25
times ranked

1060
citing authors

#	ARTICLE	IF	CITATIONS
1	Adherens junction protein nectin-4 is the epithelial receptor for measles virus. <i>Nature</i> , 2011, 480, 530-533.	27.8	504
2	The heads of the measles virus attachment protein move to transmit the fusion-triggering signal. <i>Nature Structural and Molecular Biology</i> , 2011, 18, 128-134.	8.2	90
3	Dynamic Interaction of the Measles Virus Hemagglutinin with Its Receptor Signaling Lymphocytic Activation Molecule (SLAM, CD150). <i>Journal of Biological Chemistry</i> , 2008, 283, 11763-11771.	3.4	60
4	Receptor-mediated cell entry of paramyxoviruses: Mechanisms, and consequences for tropism and pathogenesis. <i>Journal of Biological Chemistry</i> , 2020, 295, 2771-2786.	3.4	54
5	Membrane Fusion Triggering. <i>Journal of Biological Chemistry</i> , 2012, 287, 38543-38551.	3.4	46
6	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.	7.1	39
7	The Measles Virus Hemagglutinin \hat{I}^2 -Propeller Head \hat{I}^24 - \hat{I}^25 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, 9208-9216.	3.4	37
8	Base of the Measles Virus Fusion Trimer Head Receives the Signal That Triggers Membrane Fusion. <i>Journal of Biological Chemistry</i> , 2012, 287, 33026-33035.	3.4	35
9	Structural basis of efficient contagion: measles variations on a theme by parainfluenza viruses. <i>Current Opinion in Virology</i> , 2014, 5, 16-23.	5.4	35
10	Broadly neutralizing antibody cocktails targeting Nipah virus and Hendra virus fusion glycoproteins. <i>Nature Structural and Molecular Biology</i> , 2021, 28, 426-434.	8.2	33
11	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.	3.4	29
12	The Measles Virus Hemagglutinin Stalk: Structures and Functions of the Central Fusion Activation and Membrane-Proximal Segments. <i>Journal of Virology</i> , 2014, 88, 6158-6167.	3.4	27
13	A Heterologous Coiled Coil Can Substitute for Helix I of the Sindbis Virus Capsid Protein. <i>Journal of Virology</i> , 2003, 77, 8345-8353.	3.4	25
14	Trans-endocytosis elicited by nectins transfers cytoplasmic cargo including infectious material between cells. <i>Journal of Cell Science</i> , 2019, 132, .	2.0	25
15	Rescue and characterization of recombinant cedar virus, a non-pathogenic Henipavirus species. <i>Virology Journal</i> , 2018, 15, 56.	3.4	24
16	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, 10401-10404.	3.4	21
17	Functional characterization of the Sindbis virus E2 glycoprotein by transposon linker-insertion mutagenesis. <i>Virology</i> , 2007, 363, 134-147.	2.4	20
18	Targeted entry of enveloped viruses: measles and herpes simplex virus I. <i>Current Opinion in Virology</i> , 2012, 2, 43-49.	5.4	19

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19	Development of measles virus-based shielded oncolytic vectors: suitability of other paramyxovirus glycoproteins. <i>Cancer Gene Therapy</i> , 2013, 20, 109-116.	4.6	19
20	Stronger together: Multi-genome transmission of measles virus. <i>Virus Research</i> , 2019, 265, 74-79.	2.2	19
21	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.	3.4	18
22	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, 14161-14171.	3.4	17
23	A recombinant Cedar virus based high-throughput screening assay for henipavirus antiviral discovery. <i>Antiviral Research</i> , 2021, 193, 105084.	4.1	5
24	B-AB18-03 SARS-COV-2 DIRECT CARDIAC DAMAGE THROUGH SPIKE-MEDIATED CARDIOMYOCYTE FUSION MAY CONTRIBUTE TO INCREASED ARRHYTHMIC RISK IN COVID-19. <i>Heart Rhythm</i> , 2021, 18, S35.	0.7	1