Ann C Palmenberg

List of Publications by Year
in descending order

69	3,936	31	60
papers	citations	h-index	g-index

147801

128289

70	70	70	3647
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Sequencing and Analyses of All Known Human Rhinovirus Genomes Reveal Structure and Evolution. Science, 2009, 324, 55-59.	12.6	416
2	Proteolytic Processing of Picornaviral Polyprotein. Annual Review of Microbiology, 1990, 44, 603-623.	7.3	391
3	Cadherin-related family member 3, a childhood asthma susceptibility gene product, mediates rhinovirus C binding and replication. Proceedings of the National Academy of Sciences of the United States of America, 2015, 112, 5485-5490.	7.1	349
4	Molecular modeling, organ culture and reverse genetics for a newly identified human rhinovirus C. Nature Medicine, 2011, 17, 627-632.	30.7	177
5	Conservation of the putative receptor attachment site in picornaviruses. Virology, 1988, 164, 373-382.	2.4	154
6	Attenuation of Mengo virus through genetic engineering of the 5â€² noncoding poly(C) tract. Nature, 1990, 343, 474-476.	27.8	151
7	Translational efficiency of EMCV IRES in bicistronic vectors is dependent upon IRES sequence and gene location. BioTechniques, 2006, 41, 283-292.	1.8	147
8	A picornavirus protein interacts with Ran-GTPase and disrupts nucleocytoplasmic transport. Proceedings of the National Academy of Sciences of the United States of America, 2006, 103, 12417-12422.	7.1	102
9	Avian myeloblastosis virus RNA is terminally redundant: Implications for the mechanism of retrovirus replication. Cell, 1977, 12, 57-72.	28.9	99
10	Rhinovirus C targets ciliated airway epithelial cells. Respiratory Research, 2017, 18, 84.	3.6	97
11	Nucleocytoplasmic Traffic Disorder Induced by Cardioviruses. Journal of Virology, 2006, 80, 2705-2717.	3.4	93
12	Analysis of the complete genome sequences of human rhinovirus. Journal of Allergy and Clinical Immunology, 2010, 125, 1190-1199.	2.9	93
13	Leader-Induced Phosphorylation of Nucleoporins Correlates with Nuclear Trafficking Inhibition by Cardioviruses. Journal of Virology, 2009, 83, 1941-1951.	3.4	82
14	Lethal Respiratory Disease Associated with Human RhinovirusÂC in Wild Chimpanzees, Uganda, 2013. Emerging Infectious Diseases, 2018, 24, 267-274.	4.3	80
15	Simultaneous outbreaks of respiratory disease in wild chimpanzees caused by distinct viruses of human origin. Emerging Microbes and Infections, 2019, 8, 139-149.	6.5	77
16	Differential Processing of Nuclear Pore Complex Proteins by Rhinovirus 2A Proteases from Different Species and Serotypes. Journal of Virology, 2011, 85, 10874-10883.	3.4	73
17	Encephalomyocarditis virus (EMCV) proteins 2A and 3BCD localize to nuclei and inhibit cellular mRNA transcription but not rRNA transcription. Virus Research, 2003, 95, 59-73.	2.2	67
18	Rhinoviruses and Their Receptors. Chest, 2019, 155, 1018-1025.	0.8	67

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19	Encephalomyocarditis viral protein 2A localizes to nucleoli and inhibits cap-dependent mRNA translation. Virus Research, 2003, 95, 45-57.	2.2	66
20	Atomic structure of a rhinovirus C, a virus species linked to severe childhood asthma. Proceedings of the National Academy of Sciences of the United States of America, 2016, 113, 8997-9002.	7.1	62
21	Leader Protein of Encephalomyocarditis Virus Binds Zinc, Is Phosphorylated during Viral Infection, and Affects the Efficiency of Genome Translation. Virology, 2001, 290, 261-271.	2.4	58
22	The landscape of antibody binding in SARS-CoV-2 infection. PLoS Biology, 2021, 19, e3001265.	5.6	58
23	Nucleoporin Phosphorylation Triggered by the Encephalomyocarditis Virus Leader Protein Is Mediated by Mitogen-Activated Protein Kinases. Journal of Virology, 2010, 84, 12538-12548.	3.4	56
24	Classification and Evolution of Human Rhinoviruses. Methods in Molecular Biology, 2015, 1221, 1-10.	0.9	56
25	<i>CDHR3</i> Asthma-Risk Genotype Affects Susceptibility of Airway Epithelium to Rhinovirus C Infections. American Journal of Respiratory Cell and Molecular Biology, 2019, 61, 450-458.	2.9	56
26	Gender Parity Trends for Invited Speakers at Four Prominent Virology Conference Series. Journal of Virology, 2017, 91, .	3.4	51
27	Prediction of three-dimensional models for foot-and-mouth disease virus and hepatitis a virus. Virology, 1988, 166, 503-514.	2.4	42
28	Rapamycin and Wortmannin Enhance Replication of a Defective Encephalomyocarditis Virus. Journal of Virology, 1998, 72, 5811-5819.	3.4	41
29	Mengovirus and Encephalomyocarditis Virus Poly(C) Tract Lengths Can Affect Virus Growth in Murine Cell Culture. Journal of Virology, 2000, 74, 3074-3081.	3.4	39
30	Cardiovirus 2A Protein Associates with 40S but Not 80S Ribosome Subunits during Infection. Journal of Virology, 2007, 81, 13067-13074.	3.4	39
31	Characterization of Mengo virus neutralization epitopes. Virology, 1991, 181, 1-13.	2.4	37
32	Mutational analysis of the EMCV 2A protein identifies a nuclear localization signal and an eIF4E binding site. Virology, 2011, 410, 257-267.	2.4	33
33	Mutations in VP1 and 3A proteins improve binding and replication of rhinovirus C15 in HeLa-E8 cells. Virology, 2016, 499, 350-360.	2.4	32
34	Protection of non-murine mammals against encephalomyocarditis virus using a genetically engineered Mengo virus. Vaccine, 1996, 14, 155-161.	3.8	31
35	Modeling of the human rhinovirus C capsid suggests a novel topography with insights on receptor preference and immunogenicity. Virology, 2014, 448, 176-184.	2.4	31
36	Differential Disruption of Nucleocytoplasmic Trafficking Pathways by Rhinovirus 2A Proteases. Journal of Virology, 2017, 91, .	3.4	30

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37	Site-Specific Cleavage of the Host Poly(A) Binding Protein by the Encephalomyocarditis Virus 3C Proteinase Stimulates Viral Replication. Journal of Virology, 2012, 86, 10686-10694.	3.4	29
38	Rhinovirus C, Asthma, and Cell Surface Expression of Virus Receptor CDHR3. Journal of Virology, 2017, 91, .	3.4	28
39	Î±1ACT Is Essential for Survival and Early Cerebellar Programming in a Critical Neonatal Window. Neuron, 2019, 102, 770-785.e7.	8.1	25
40	Deletion Mapping of the Encephalomyocarditis Virus Primary Cleavage Site. Journal of Virology, 2001, 75, 7215-7218.	3.4	23
41	NMR structure of the mengovirus Leader protein zincâ€finger domain. FEBS Letters, 2008, 582, 896-900.	2.8	23
42	Three cardiovirus Leader proteins equivalently inhibit four different nucleocytoplasmic trafficking pathways. Virology, 2015, 484, 194-202.	2.4	22
43	Modeling of the human rhinovirus C capsid suggests possible causes for antiviral drug resistance. Virology, 2014, 448, 82-90.	2.4	21
44	CDHR3 extracellular domains EC1-3 mediate rhinovirus C interaction with cells and as recombinant derivatives, are inhibitory to virus infection. PLoS Pathogens, 2018, 14, e1007477.	4.7	20
45	Amber Mutant of Bacteriophage QÎ² Capable of Causing Overproduction of QÎ² Replicase. Journal of Virology, 1973, 11, 603-605.	3.4	20
46	Production, purification, and capsid stability of rhinovirus C types. Journal of Virological Methods, 2015, 217, 18-23.	2.1	18
47	Encephalomyocarditis virus Leader protein hinge domain is responsible for interactions with Ran GTPase. Virology, 2013, 443, 177-185.	2.4	16
48	Genetically Engineered Mengo Virus Vaccination of Multiple Captive Wildlife Species. Journal of Wildlife Diseases, 1999, 35, 384-387.	0.8	15
49	Mengo virus 3C proteinase: Recombinant expression, intergenus substrate cleavage and localizationin vivo. Virus Genes, 1996, 13, 99-110.	1.6	14
50	Encephalomyocarditis Virus Leader Is Phosphorylated by CK2 and Syk as a Requirement for Subsequent Phosphorylation of Cellular Nucleoporins. Journal of Virology, 2014, 88, 2219-2226.	3.4	14
51	Solution structures of Mengovirus Leader protein, its phosphorylated derivatives, and in complex with nuclear transport regulatory protein, RanGTPase. Proceedings of the National Academy of Sciences of the United States of America, 2014, 111, 15792-15797.	7.1	12
52	A vaccine for the common cold?. Nature, 1987, 329, 668-669.	27.8	11
53	Binding Interactions between the Encephalomyocarditis Virus Leader and Protein 2A. Journal of Virology, 2014, 88, 13503-13509.	3.4	11
54	Epitope mapping of monoclonal antibodies raised to recombinant Mengo 3D polymerase. Virus Genes, 1996, 13, 159-168.	1.6	10

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55	Cardiovirus Leader proteins bind exportins: Implications for virus replication and nucleocytoplasmic trafficking inhibition. Virology, 2016, 487, 19-26.	2.4	8
56	Cryo-EM structure of rhinovirus C15a bound to its cadherin-related protein 3 receptor. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 6784-6791.	7.1	8
57	Guanine-Nucleotide Exchange Factor RCC1 Facilitates a Tight Binding between the Encephalomyocarditis Virus Leader and Cellular Ran GTPase. Journal of Virology, 2013, 87, 6517-6520.	3.4	7
58	Solution Structure of the 2A Protease from a Common Cold Agent, Human Rhinovirus C2, Strain W12. PLoS ONE, 2014, 9, e97198.	2.5	7
59	Quantification of Endogenous Viral Polymerase, 3Dpol, in Preparations of Mengo and Encephalomyocarditis Viruses. Virology, 1999, 260, 148-155.	2.4	6
60	AMP-activated protein kinase phosphorylates EMCV, TMEV and SafV leader proteins at different sites. Virology, 2014, 462-463, 236-240.	2.4	5
61	The Language of Life. Annual Review of Virology, 2016, 3, 1-28.	6.7	5
62	Genetic susceptibility to severe childhood asthma and rhinovirus-C maintained by balancing selection in humans for 150â€‰000Âyears. Human Molecular Genetics, 2020, 29, 736-744.	2.9	5
63	Alignments and Comparative Profiles of Picornavirus Genera. , 0, , 149-Pxxiv.		5
64	Genome Sequences of Rhinovirus C Isolates from Wisconsin Pediatric Respiratory Studies. Genome Announcements, 2014, 2, .	0.8	4
65	An Update on Gender Parity Trends for Invited Speakers at Four Prominent Virology Conference Series. Journal of Virology, 2021, 95, .	3.4	4
66	Genome Sequences of Rhinovirus A Isolates from Wisconsin Pediatric Respiratory Studies. Genome Announcements, 2014, 2, .	0.8	3
67	Genome Sequences of Rhinovirus B Isolates from Wisconsin Pediatric Respiratory Studies. Genome Announcements, 2014, 2, .	0.8	1
68	Solution NMR Determination of the CDHR3 Rhinovirus-C Binding Domain, EC1. Viruses, 2021, 13, 159.	3.3	1
69	Genome Organization and Encoded Proteins. , 0, , 1-17.		0