

Nels C Elde

List of Publications by Year in descending order

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Version: 2024-02-01

28
papers

3,634
citations

471509

17
h-index

526287

27
g-index

40
all docs

40
docs citations

40
times ranked

6064
citing authors

#	ARTICLE	IF	CITATIONS
1	Recurrent evolution of an inhibitor of ESCRT-dependent virus budding and LINE-1 retrotransposition in primates. <i>Current Biology</i> , 2022, 32, 1511-1522.e6.	3.9	2
2	Natural rodent model of viral transmission reveals biological features of virus population dynamics. <i>Journal of Experimental Medicine</i> , 2022, 219, .	8.5	18
3	Diarrheal pathogens trigger rapid evolution of the guanylate cyclase-C signaling axis in bats. <i>Cell Host and Microbe</i> , 2021, 29, 1342-1350.e5.	11.0	5
4	RetroCHMP3 blocks budding of enveloped viruses without blocking cytokinesis. <i>Cell</i> , 2021, 184, 5419-5431.e16.	28.9	8
5	Nels Elde. <i>Current Biology</i> , 2021, 31, R1410-R1412.	3.9	0
6	Linking Virus Discovery to Immune Responses Visualized during Zebrafish Infections. <i>Current Biology</i> , 2020, 30, 2092-2103.e5.	3.9	29
7	Exploiting species specificity to understand the tropism of a human-specific toxin. <i>Science Advances</i> , 2020, 6, eaax7515.	10.3	21
8	Signatures of host-pathogen evolutionary conflict reveal MISTR-A conserved Mitochondrial Stress Response network. <i>PLoS Biology</i> , 2020, 18, e3001045.	5.6	20
9	Recurrent Loss-of-Function Mutations Reveal Costs to OAS1 Antiviral Activity in Primates. <i>Cell Host and Microbe</i> , 2019, 25, 336-343.e4.	11.0	37
10	Coevolution of Genome Architecture and Social Behavior. <i>Trends in Ecology and Evolution</i> , 2019, 34, 844-855.	8.7	49
11	Long read sequencing reveals poxvirus evolution through rapid homogenization of gene arrays. <i>ELife</i> , 2018, 7, .	6.0	23
12	Emergence of a Viral RNA Polymerase Variant during Gene Copy Number Amplification Promotes Rapid Evolution of Vaccinia Virus. <i>Journal of Virology</i> , 2017, 91, .	3.4	36
13	Regulatory activities of transposable elements: from conflicts to benefits. <i>Nature Reviews Genetics</i> , 2017, 18, 71-86.	16.3	1,065
14	Rapid Evolution of Primate Type 2 Immune Response Factors Linked to Asthma Susceptibility. <i>Genome Biology and Evolution</i> , 2017, 9, 1757-1765.	2.5	7
15	Antimicrobial Functions of Lactoferrin Promote Genetic Conflicts in Ancient Primates and Modern Humans. <i>PLoS Genetics</i> , 2016, 12, e1006063.	3.5	32
16	Regulatory evolution of innate immunity through co-option of endogenous retroviruses. <i>Science</i> , 2016, 351, 1083-1087.	12.6	760
17	Wham: Identifying Structural Variants of Biological Consequence. <i>PLoS Computational Biology</i> , 2015, 11, e1004572.	3.2	105
18	Buried Treasure: Evolutionary Perspectives on Microbial Iron Piracy. <i>Trends in Genetics</i> , 2015, 31, 627-636.	6.7	111

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19	Determinants for degradation of SAMHD1, Mus81 and induction of G 2 arrest in HIV-1 Vpr and SIVagm Vpr. <i>Virology</i> , 2015, 477, 10-17.	2.4	11
20	Overlapping Patterns of Rapid Evolution in the Nucleic Acid Sensors cGAS and OAS1 Suggest a Common Mechanism of Pathogen Antagonism and Escape. <i>PLoS Genetics</i> , 2015, 11, e1005203.	3.5	82
21	cGAS-mediated stabilization of IFI16 promotes innate signaling during herpes simplex virus infection. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015, 112, E1773-81.	7.1	220
22	Baculovirus protein PK2 subverts eIF2 β kinase function by mimicry of its kinase domain C-lobe. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015, 112, E4364-73.	7.1	14
23	Escape from bacterial iron piracy through rapid evolution of transferrin. <i>Science</i> , 2014, 346, 1362-1366.	12.6	186
24	DisAp-dependent striated fiber elongation is required to organize ciliary arrays. <i>Journal of Cell Biology</i> , 2014, 207, 705-715.	5.2	43
25	Poxviruses Deploy Genomic Accordions to Adapt Rapidly against Host Antiviral Defenses. <i>Cell</i> , 2012, 150, 831-841.	28.9	281
26	Poliovirus Evolution: The Strong, Silent Type. <i>Cell Host and Microbe</i> , 2012, 12, 605-606.	11.0	4
27	Protein kinase R reveals an evolutionary model for defeating viral mimicry. <i>Nature</i> , 2009, 457, 485-489.	27.8	250
28	The evolutionary conundrum of pathogen mimicry. <i>Nature Reviews Microbiology</i> , 2009, 7, 787-797.	28.6	183