

Redmond P Smyth

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/3151968/publications.pdf>

Version: 2024-02-01

28
papers

1,076
citations

430874

18
h-index

501196

28
g-index

30
all docs

30
docs citations

30
times ranked

1456
citing authors

#	ARTICLE	IF	CITATIONS
1	A functional sequence-specific interaction between influenza A virus genomic RNA segments. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2013, 110, 16604-16609.	7.1	116
2	The origin of genetic diversity in HIV-1. <i>Virus Research</i> , 2012, 169, 415-429.	2.2	110
3	Specific recognition of the HIV-1 genomic RNA by the Gag precursor. <i>Nature Communications</i> , 2014, 5, 4304.	12.8	103
4	The Life-Cycle of the HIV-1 Gag-RNA Complex. <i>Viruses</i> , 2016, 8, 248.	3.3	80
5	Structural and Functional Motifs in Influenza Virus RNAs. <i>Frontiers in Microbiology</i> , 2018, 9, 559.	3.5	65
6	Mutational interference mapping experiment (MIME) for studying RNA structure and function. <i>Nature Methods</i> , 2015, 12, 866-872.	19.0	63
7	HIV-1 Pr55 ^{Gag} binds genomic and spliced RNAs with different affinity and stoichiometry. <i>RNA Biology</i> , 2017, 14, 90-103.	3.1	55
8	Accurately Measuring Recombination between Closely Related HIV-1 Genomes. <i>PLoS Computational Biology</i> , 2010, 6, e1000766.	3.2	51
9	The short isoform of the host antiviral protein ZAP acts as an inhibitor of SARS-CoV-2 programmed ribosomal frameshifting. <i>Nature Communications</i> , 2021, 12, 7193.	12.8	49
10	Labeling of Multiple HIV-1 Proteins with the Biarsenical-Tetracycline System. <i>PLoS ONE</i> , 2011, 6, e17016.	2.5	48
11	Identifying Recombination Hot Spots in the HIV-1 Genome. <i>Journal of Virology</i> , 2014, 88, 2891-2902.	3.4	45
12	RNA Structure—A Neglected Puppet Master for the Evolution of Virus and Host Immunity. <i>Frontiers in Immunology</i> , 2018, 9, 2097.	4.8	41
13	The evolution of RNA structural probing methods: From gels to next-generation sequencing. <i>Wiley Interdisciplinary Reviews RNA</i> , 2019, 10, e1518.	6.4	33
14	The A-rich RNA sequences of HIV-1 pol are important for the synthesis of viral cDNA. <i>Nucleic Acids Research</i> , 2009, 37, 945-956.	14.5	31
15	Fifteen to Twenty Percent of HIV Substitution Mutations Are Associated with Recombination. <i>Journal of Virology</i> , 2014, 88, 3837-3849.	3.4	31
16	In cell mutational interference mapping experiment (in cell MIME) identifies the 5' polyadenylation signal as a dual regulator of HIV-1 genomic RNA production and packaging. <i>Nucleic Acids Research</i> , 2018, 46, e57-e57.	14.5	31
17	Improved quantification of HIV-1-infected CD4 ⁺ T cells using an optimised method of intracellular HIV-1 gag p24 antigen detection. <i>Journal of Immunological Methods</i> , 2013, 391, 174-178.	1.4	26
18	Intracellular Dynamics of HIV Infection. <i>Journal of Virology</i> , 2014, 88, 1113-1124.	3.4	18

#	ARTICLE	IF	CITATIONS
19	Short- and long-range interactions in the HIV-1 5' UTR regulate genome dimerization and packaging. <i>Nature Structural and Molecular Biology</i> , 2022, 29, 306-319.	8.2	14
20	Early Events of HIV-1 Infection: Can Signaling be the Next Therapeutic Target?. <i>Journal of NeuroImmune Pharmacology</i> , 2011, 6, 269-283.	4.1	9
21	HIV-1 Mutation and Recombination Rates Are Different in Macrophages and T-cells. <i>Viruses</i> , 2016, 8, 118.	3.3	9
22	Evaluation of Anti-HIV-1 Mutagenic Nucleoside Analogues. <i>Journal of Biological Chemistry</i> , 2015, 290, 371-383.	3.4	8
23	Properties of HIV-1 associated cholesterol in addition to raft formation are important for virus infection. <i>Virus Research</i> , 2015, 210, 18-21.	2.2	8
24	A step forward understanding HIV-1 diversity. <i>Retrovirology</i> , 2016, 13, 27.	2.0	8
25	8-Modified-2'-Deoxyadenosine Analogues Induce Delayed Polymerization Arrest during HIV-1 Reverse Transcription. <i>PLoS ONE</i> , 2011, 6, e27456.	2.5	8
26	RNA Structures and Their Role in Selective Genome Packaging. <i>Viruses</i> , 2021, 13, 1788.	3.3	6
27	Structural maturation of the HIV-1 RNA 5' untranslated region by Pr55 ^{Gag} and its maturation products. <i>RNA Biology</i> , 2022, 19, 191-205.	3.1	6
28	MIMEAnTo: profiling functional RNA in mutational interference mapping experiments. <i>Bioinformatics</i> , 2016, 32, 3369-3370.	4.1	4