Redmond P Smyth

List of Publications by Year
in descending order

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	Structural maturation of the HIV-1 RNA 5â€™ untranslated region by Pr55 ^{Gag} and its maturation products. RNA Biology, 2022, 19, 191-205.	3.1	6
2	Short- and long-range interactions in the HIV-1 5â€² UTR regulate genome dimerization and packaging. Nature Structural and Molecular Biology, 2022, 29, 306-319.	8.2	14
3	RNA Structures and Their Role in Selective Genome Packaging. Viruses, 2021, 13, 1788.	3.3	6
4	The short isoform of the host antiviral protein ZAP acts as an inhibitor of SARS-CoV-2 programmed ribosomal frameshifting. Nature Communications, 2021, 12, 7193.	12.8	49
5	The evolution of RNA structural probing methods: From gels to nextâ€generation sequencing. Wiley Interdisciplinary Reviews RNA, 2019, 10, e1518.	6.4	33
6	In cell mutational interference mapping experiment (in cell MIME) identifies the 5â€² polyadenylation signal as a dual regulator of HIV-1 genomic RNA production and packaging. Nucleic Acids Research, 2018, 46, e57-e57.	14.5	31
7	RNA Structureâ€”A Neglected Puppet Master for the Evolution of Virus and Host Immunity. Frontiers in Immunology, 2018, 9, 2097.	4.8	41
8	Structural and Functional Motifs in Influenza Virus RNAs. Frontiers in Microbiology, 2018, 9, 559.	3.5	65
9	HIV-1 Pr55^{Gag}binds genomic and spliced RNAs with different affinity and stoichiometry. RNA Biology, 2017, 14, 90-103.	3.1	55
10	HIV-1 Mutation and Recombination Rates Are Different in Macrophages and T-cells. Viruses, 2016, 8, 118.	3.3	9
11	The Life-Cycle of the HIV-1 Gagâ€“RNA Complex. Viruses, 2016, 8, 248.	3.3	80
12	MIMEAnTo: profiling functional RNA in mutational interference mapping experiments. Bioinformatics, 2016, 32, 3369-3370.	4.1	4
13	A step forward understanding HIV-1 diversity. Retrovirology, 2016, 13, 27.	2.0	8
14	Evaluation of Anti-HIV-1 Mutagenic Nucleoside Analogues. Journal of Biological Chemistry, 2015, 290, 371-383.	3.4	8
15	Mutational interference mapping experiment (MIME) for studying RNA structure and function. Nature Methods, 2015, 12, 866-872.	19.0	63
16	Properties of HIV-1 associated cholesterol in addition to raft formation are important for virus infection. Virus Research, 2015, 210, 18-21.	2.2	8
17	Intracellular Dynamics of HIV Infection. Journal of Virology, 2014, 88, 1113-1124.	3.4	18
18	Specific recognition of the HIV-1 genomic RNA by the Gag precursor. Nature Communications, 2014, 5, 4304.	12.8	103

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19	Fifteen to Twenty Percent of HIV Substitution Mutations Are Associated with Recombination. Journal of Virology, 2014, 88, 3837-3849.	3.4	31
20	Identifying Recombination Hot Spots in the HIV-1 Genome. Journal of Virology, 2014, 88, 2891-2902.	3.4	45
21	A functional sequence-specific interaction between influenza A virus genomic RNA segments. Proceedings of the National Academy of Sciences of the United States of America, 2013, 110, 16604-16609.	7.1	116
22	Improved quantification of HIV-1-infected CD4+ T cells using an optimised method of intracellular HIV-1 gag p24 antigen detection. Journal of Immunological Methods, 2013, 391, 174-178.	1.4	26
23	The origin of genetic diversity in HIV-1. Virus Research, 2012, 169, 415-429.	2.2	110
24	Labeling of Multiple HIV-1 Proteins with the Biarsenical-Tetracysteine System. PLoS ONE, 2011, 6, e17016.	2.5	48
25	Early Events of HIV-1 Infection: Can Signaling be the Next Therapeutic Target?. Journal of NeuroImmune Pharmacology, 2011, 6, 269-283.	4.1	9
26	8-Modified-2â€²-Deoxyadenosine Analogues Induce Delayed Polymerization Arrest during HIV-1 Reverse Transcription. PLoS ONE, 2011, 6, e27456.	2.5	8
27	Accurately Measuring Recombination between Closely Related HIV-1 Genomes. PLoS Computational Biology, 2010, 6, e1000766.	3.2	51
28	The A-rich RNA sequences of HIV-1 pol are important for the synthesis of viral cDNA. Nucleic Acids Research, 2009, 37, 945-956.	14.5	31