

Martin Bisailon

List of Publications by Year in descending order

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38
papers

1,107
citations

516710

16
h-index

414414

32
g-index

39
all docs

39
docs citations

39
times ranked

1414
citing authors

#	ARTICLE	IF	CITATIONS
1	Reovirus $\sigma 2$ protein modulates host cell alternative splicing by reducing protein levels of U5 snRNP core components. <i>Nucleic Acids Research</i> , 2022, 50, 5263-5281.	14.5	14
2	Cellulosic copper nanoparticles and a hydrogen peroxide-based disinfectant trigger rapid inactivation of pseudoviral particles expressing the Spike protein of SARS-CoV-2, SARS-CoV, and MERS-CoV. <i>Metallomics</i> , 2022, 14, .	2.4	2
3	How Many Mammalian Reovirus Proteins are Involved in the Control of the Interferon Response?. <i>Pathogens</i> , 2019, 8, 83.	2.8	10
4	Viral modulation of cellular RNA alternative splicing: A new key player in virus-host interactions?. <i>Wiley Interdisciplinary Reviews RNA</i> , 2019, 10, e1543.	6.4	56
5	The Epstein-Barr virus EBNA1 protein modulates the alternative splicing of cellular genes. <i>Virology Journal</i> , 2019, 16, 29.	3.4	23
6	2'-O-methylation of the mRNA cap protects RNAs from decapping and degradation by DXO. <i>PLoS ONE</i> , 2018, 13, e0193804.	2.5	42
7	Organization of the <i>Flavivirus</i> RNA replicase complex. <i>Wiley Interdisciplinary Reviews RNA</i> , 2017, 8, e1437.	6.4	45
8	Transcriptome-wide analysis of alternative RNA splicing events in Epstein-Barr virus-associated gastric carcinomas. <i>PLoS ONE</i> , 2017, 12, e0176880.	2.5	24
9	Global Profiling of the Cellular Alternative RNA Splicing Landscape during Virus-Host Interactions. <i>PLoS ONE</i> , 2016, 11, e0161914.	2.5	58
10	Global profiling of alternative RNA splicing events provides insights into molecular differences between various types of hepatocellular carcinoma. <i>BMC Genomics</i> , 2016, 17, 683.	2.8	47
11	Immunofluorescence to Monitor the Cellular Uptake of Human Lactoferrin and its Associated Antiviral Activity Against the Hepatitis C Virus. <i>Journal of Visualized Experiments</i> , 2015, , .	0.3	8
12	The intracellular inhibition of HCV replication represents a novel mechanism of action by the innate immune Lactoferrin protein. <i>Antiviral Research</i> , 2014, 111, 13-22.	4.1	16
13	The Immunosuppressive Agent Mizoribine Monophosphate Is an Inhibitor of the Human RNA Capping Enzyme. <i>PLoS ONE</i> , 2013, 8, e54621.	2.5	7
14	Enzymatic Synthesis of RNAs Capped with Nucleotide Analogues Reveals the Molecular Basis for Substrate Selectivity of RNA Capping Enzyme: Impacts on RNA Metabolism. <i>PLoS ONE</i> , 2013, 8, e75310.	2.5	16
15	A Novel Ribozyme-Based Prophylaxis Inhibits Influenza A Virus Replication and Protects from Severe Disease. <i>PLoS ONE</i> , 2011, 6, e27327.	2.5	17
16	The RNA capping machinery as an anti-infective target. <i>Wiley Interdisciplinary Reviews RNA</i> , 2011, 2, 184-192.	6.4	16
17	Virtual High-Throughput Screening Identifies Mycophenolic Acid as a Novel RNA Capping Inhibitor. <i>PLoS ONE</i> , 2011, 6, e24806.	2.5	6
18	Insights into the molecular determinants involved in cap recognition by the vaccinia virus D10 decapping enzyme. <i>Nucleic Acids Research</i> , 2010, 38, 7599-7610.	14.5	11

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19	Deciphering the molecular basis for nucleotide selection by the West Nile virus RNA helicase. <i>Nucleic Acids Research</i> , 2010, 38, 5493-5506.	14.5	8
20	Nucleotide analogs and molecular modeling studies reveal key interactions involved in substrate recognition by the yeast RNA triphosphatase. <i>Nucleic Acids Research</i> , 2009, 37, 3714-3722.	14.5	9
21	The flavivirus NS5 protein is a true RNA guanylyltransferase that catalyzes a two-step reaction to form the RNA cap structure. <i>Rna</i> , 2009, 15, 2340-2350.	3.5	208
22	Metal ion-binding studies highlight important differences between flaviviral RNA polymerases. <i>Biochimica Et Biophysica Acta - Proteins and Proteomics</i> , 2009, 1794, 50-60.	2.3	6
23	Characterization of the vaccinia virus D10 decapping enzyme provides evidence for a two-metal-ion mechanism. <i>Biochemical Journal</i> , 2009, 420, 27-35.	3.7	12
24	Kinetic and Thermodynamic Characterization of the RNA Guanylyltransferase Reaction. <i>Biochemistry</i> , 2008, 47, 3863-3874.	2.5	15
25	Magnesium-binding studies reveal fundamental differences between closely related RNA triphosphatases. <i>Nucleic Acids Research</i> , 2008, 36, 451-461.	14.5	3
26	Characterization of the RNA binding energetics of the <i>Candida albicans</i> poly(A) polymerase. <i>Yeast</i> , 2007, 24, 431-446.	1.7	5
27	Energetics of RNA binding by the West Nile virus RNA triphosphatase. <i>FEBS Letters</i> , 2006, 580, 867-877.	2.8	12
28	Inhibition of a metal-dependent viral RNA triphosphatase by decavanadate. <i>Biochemical Journal</i> , 2006, 398, 557-567.	3.7	16
29	Effect of Metal Ion Binding on the Structural Stability of the Hepatitis C Virus RNA Polymerase. <i>Journal of Biological Chemistry</i> , 2004, 279, 49755-49761.	3.4	19
30	The Broad Spectrum Antiviral Nucleoside Ribavirin as a Substrate for a Viral RNA Capping Enzyme. <i>Journal of Biological Chemistry</i> , 2004, 279, 22124-22130.	3.4	63
31	Thermodynamics of ligand binding by the yeast mRNA-capping enzyme reveals different modes of binding. <i>Biochemical Journal</i> , 2004, 384, 411-420.	3.7	13
32	Characterization of the Metal Ion Binding Properties of the Hepatitis C Virus RNA Polymerase. <i>Journal of Biological Chemistry</i> , 2003, 278, 3868-3875.	3.4	42
33	Investigating the Role of Metal Ions in the Catalytic Mechanism of the Yeast RNA Triphosphatase. <i>Journal of Biological Chemistry</i> , 2003, 278, 33963-33971.	3.4	12
34	Functional Groups Required for the Stability of Yeast RNA Triphosphatase in Vitro and in Vivo. <i>Journal of Biological Chemistry</i> , 2001, 276, 30514-30520.	3.4	10
35	Structure-Function Analysis of the Active Site Tunnel of Yeast RNA Triphosphatase. <i>Journal of Biological Chemistry</i> , 2001, 276, 17261-17266.	3.4	42
36	Characterization of the Nucleoside Triphosphate Phosphohydrolase and Helicase Activities of the Reovirus $\sigma 1$ Protein. <i>Journal of Biological Chemistry</i> , 1997, 272, 18298-18303.	3.4	69

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37	Characterization of the Reovirus $\sigma 1$ Protein RNA 5'-Triphosphatase Activity. <i>Journal of Biological Chemistry</i> , 1997, 272, 29954-29957.	3.4	48
38	Viral and Cellular Enzymes Involved in Synthesis of mRNA Cap Structure. <i>Virology</i> , 1997, 236, 1-7.	2.4	72