Andrew Macdonald

List of Publications by Year in descending order

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#	Article	IF	CITATIONS
1	Hepatitis C virus NS5A: tales of a promiscuous protein. Journal of General Virology, 2004, 85, 2485-2502.	2.9	362
2	Norovirus Regulation of the Innate Immune Response and Apoptosis Occurs via the Product of the Alternative Open Reading Frame 4. PLoS Pathogens, 2011, 7, e1002413.	4.7	200
3	The Hepatitis C Virus Non-structural NS5A Protein Inhibits Activating Protein–1 Function by Perturbing Ras-ERK Pathway Signaling. Journal of Biological Chemistry, 2003, 278, 17775-17784.	3.4	143
4	Hepatitis C Virus NS5A-Mediated Activation of Phosphoinositide 3-Kinase Results in Stabilization of Cellular β-Catenin and Stimulation of β-Catenin-Responsive Transcription. Journal of Virology, 2005, 79, 5006-5016.	3.4	137
5	Optineurin Negatively Regulates the Induction of IFNβ in Response to RNA Virus Infection. PLoS Pathogens, 2010, 6, e1000778.	4.7	112
6	The hepatitis C virus NS5A protein binds to members of the Src family of tyrosine kinases and regulates kinase activity. Journal of General Virology, 2004, 85, 721-729.	2.9	104
7	Autocrine STAT3 activation in HPV positive cervical cancer through a virus-driven Rac1—NFκB—IL-6 signalling axis. PLoS Pathogens, 2019, 15, e1007835.	4.7	97
8	High-Risk Human Papillomavirus E5 Oncoprotein Displays Channel-Forming Activity Sensitive to Small-Molecule Inhibitors. Journal of Virology, 2012, 86, 5341-5351.	3.4	95
9	The human papillomavirus oncoproteins: a review of the host pathways targeted on the road to transformation. Journal of General Virology, 2021, 102, .	2.9	90
10	Selective and Potent Proteomimetic Inhibitors of Intracellular Protein–Protein Interactions. Angewandte Chemie - International Edition, 2015, 54, 2960-2965.	13.8	82
11	Merkel Cell Polyomavirus Small T Antigen Targets the NEMO Adaptor Protein To Disrupt Inflammatory Signaling. Journal of Virology, 2013, 87, 13853-13867.	3.4	78
12	STAT3 activation by E6 is essential for the differentiation-dependent HPV18 life cycle. PLoS Pathogens, 2018, 14, e1006975.	4.7	62
13	Characterization of the cellular action of the MSK inhibitor SB-747651A. Biochemical Journal, 2012, 441, 347-357.	3.7	59
14	Merkel Cell Polyomavirus Small T Antigen Mediates Microtubule Destabilization To Promote Cell Motility and Migration. Journal of Virology, 2015, 89, 35-47.	3.4	56
15	Putting the brakes on the anti-viral response: negative regulators of type I interferon (IFN) production. Microbes and Infection, 2011, 13, 291-302.	1.9	53
16	E6-mediated activation of JNK drives EGFR signalling to promote proliferation and viral oncoprotein expression in cervical cancer. Cell Death and Differentiation, 2021, 28, 1669-1687.	11.2	52
17	Human papillomavirus type 18 E5 oncogene supports cell cycle progression and impairs epithelial differentiation by modulating growth factor receptor signalling during the virus life cycle. Oncotarget, 2017, 8, 103581-103600.	1.8	51
18	New Structural Insights into the Genome and Minor Capsid Proteins of BK Polyomavirus using Cryo-Electron Microscopy. Structure, 2016, 24, 528-536.	3.3	47

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19	Introduction of replication-competent hepatitis C virus transcripts using a tetracycline-regulable baculovirus delivery system. Journal of General Virology, 2004, 85, 429-439.	2.9	46
20	MicroRNA-18a targeting of the STK4/MST1 tumour suppressor is necessary for transformation in HPV positive cervical cancer. PLoS Pathogens, 2020, 16, e1008624.	4.7	46
21	JAK2 Inhibition Impairs Proliferation and Sensitises Cervical Cancer Cells to Cisplatin-Induced Cell Death. Cancers, 2019, 11, 1934.	3.7	45
22	Further studies on hepatitis C virus NS5A–SH3 domain interactions: identification of residues critical for binding and implications for viral RNA replication and modulation of cell signalling. Journal of General Virology, 2005, 86, 1035-1044.	2.9	39
23	BK virus: Current understanding of pathogenicity and clinical disease in transplantation. Reviews in Medical Virology, 2019, 29, e2044.	8.3	39
24	Merkel Cell Polyomavirus: Molecular Insights into the Most Recently Discovered Human Tumour Virus. Cancers, 2014, 6, 1267-1297.	3.7	37
25	The human papillomavirus (HPV) E7 protein antagonises an Imiquimod-induced inflammatory pathway in primary human keratinocytes. Scientific Reports, 2015, 5, 12922.	3.3	35
26	Manipulation of JAK/STAT Signalling by High-Risk HPVs: Potential Therapeutic Targets for HPV-Associated Malignancies. Viruses, 2020, 12, 977.	3.3	33
27	Human Papillomavirus E7 Oncoprotein Increases Production of the Anti-Inflammatory Interleukin-18 Binding Protein in Keratinocytes. Journal of Virology, 2014, 88, 4173-4179.	3.4	32
28	The PP4R1 sub-unit of protein phosphatase PP4 is essential for inhibition of NF-κB by merkel polyomavirus small tumour antigen. Oncotarget, 2017, 8, 25418-25432.	1.8	32
29	Human papillomavirus E5 oncoprotein: function and potential target for antiviral therapeutics. Future Virology, 2015, 10, 27-39.	1.8	30
30	The Structure of an Infectious Human Polyomavirus and Its Interactions with Cellular Receptors. Structure, 2018, 26, 839-847.e3.	3.3	29
31	Defining the frequency of human papillomavirus and polyomavirus infection in urothelial bladder tumours. Scientific Reports, 2018, 8, 11290.	3.3	28
32	The deubiquitinase (DUB) USP13 promotes Mcl-1 stabilisation in cervical cancer. Oncogene, 2021, 40, 2112-2129.	5.9	28
33	Agnoprotein Is an Essential Egress Factor during BK Polyomavirus Infection. International Journal of Molecular Sciences, 2018, 19, 902.	4.1	27
34	MSK regulate TCRâ€induced CREB phosphorylation but not immediate early gene transcription. European Journal of Immunology, 2007, 37, 2583-2595.	2.9	26
35	Alkyl-imino sugars inhibit the pro-oncogenic ion channel function of human papillomavirus (HPV) E5. Antiviral Research, 2018, 158, 113-121.	4.1	26
36	Selective and Potent Proteomimetic Inhibitors of Intracellular Protein–Protein Interactions. Angewandte Chemie, 2015, 127, 3003-3008.	2.0	24

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37	Cellular sheddases are induced by Merkel cell polyomavirus small tumour antigen to mediate cell dissociation and invasiveness. PLoS Pathogens, 2018, 14, e1007276.	4.7	24
38	Emerging Roles of Viroporins Encoded by DNA Viruses: Novel Targets for Antivirals?. Viruses, 2015, 7, 5375-5387.	3.3	22
39	Merkel Cell Polyomavirus Small T Antigen Drives Cell Motility via Rho-GTPase-Induced Filopodium Formation. Journal of Virology, 2018, 92, .	3.4	22
40	Perturbation of epidermal growth factor receptor complex formation and Ras signalling in cells harbouring the hepatitis C virus subgenomic replicon. Journal of General Virology, 2005, 86, 1027-1033.	2.9	21
41	The cellular chloride channels CLIC1 and CLIC4 contribute to virus-mediated cell motility. Journal of Biological Chemistry, 2018, 293, 4582-4590.	3.4	21
42	Induction of APOBEC3-mediated genomic damage in urothelium implicates BK polyomavirus (BKPyV) as a hit-and-run driver for bladder cancer. Oncogene, 2022, 41, 2139-2151.	5.9	21
43	YIP1 family member 4 (YIPF4) is a novel cellular binding partner of the papillomavirus E5 proteins. Scientific Reports, 2015, 5, 12523.	3.3	18
44	Effect of the Large and Small T-Antigens of Human Polyomaviruses on Signaling Pathways. International Journal of Molecular Sciences, 2019, 20, 3914.	4.1	18
45	Hepatitis C virus NS5A protein blocks epidermal growth factor receptor degradation via a proline motif- dependent interaction. Journal of General Virology, 2015, 96, 2133-2144.	2.9	16
46	Glibenclamide inhibits BK polyomavirus infection in kidney cells through CFTR blockade. Antiviral Research, 2020, 178, 104778.	4.1	15
47	Werner Syndrome Protein (WRN) Regulates Cell Proliferation and the Human Papillomavirus 16 Life Cycle during Epithelial Differentiation. MSphere, 2020, 5, .	2.9	13
48	Merkel cell polyomavirus small tumour antigen activates the p38 MAPK pathway to enhance cellular motility. Biochemical Journal, 2020, 477, 2721-2733.	3.7	10
49	Dysregulation of the miRâ€30c/DLL4 axis by circHIPK3 is essential for KSHV lytic replication. EMBO Reports, 2022, 23, e54117.	4.5	9
50	Probing Protein Surfaces: QSAR Analysis with Helix Mimetics. ChemBioChem, 2016, 17, 768-773.	2.6	5
51	Stathmin drives virus-induced metastasis. Oncotarget, 2015, 6, 32289-32290.	1.8	4
52	Rationally derived inhibitors of hepatitis C virus (HCV) p7 channel activity reveal prospect for bimodal antiviral therapy. ELife, 2020, 9, .	6.0	4