

# Andrew Macdonald

## List of Publications by Year in descending order

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Version: 2024-02-01

52  
papers

2,733  
citations

186209

28  
h-index

189801

50  
g-index

60  
all docs

60  
docs citations

60  
times ranked

3365  
citing authors

#	ARTICLE	IF	CITATIONS
1	Hepatitis C virus NS5A: tales of a promiscuous protein. <i>Journal of General Virology</i> , 2004, 85, 2485-2502.	1.3	362
2	Norovirus Regulation of the Innate Immune Response and Apoptosis Occurs via the Product of the Alternative Open Reading Frame 4. <i>PLoS Pathogens</i> , 2011, 7, e1002413.	2.1	200
3	The Hepatitis C Virus Non-structural NS5A Protein Inhibits Activating Protein-1 Function by Perturbing Ras-ERK Pathway Signaling. <i>Journal of Biological Chemistry</i> , 2003, 278, 17775-17784.	1.6	143
4	Hepatitis C Virus NS5A-Mediated Activation of Phosphoinositide 3-Kinase Results in Stabilization of Cellular $\beta$ -Catenin and Stimulation of $\beta$ -Catenin-Responsive Transcription. <i>Journal of Virology</i> , 2005, 79, 5006-5016.	1.5	137
5	Optineurin Negatively Regulates the Induction of IFN $\beta$ in Response to RNA Virus Infection. <i>PLoS Pathogens</i> , 2010, 6, e1000778.	2.1	112
6	The hepatitis C virus NS5A protein binds to members of the Src family of tyrosine kinases and regulates kinase activity. <i>Journal of General Virology</i> , 2004, 85, 721-729.	1.3	104
7	Autocrine STAT3 activation in HPV positive cervical cancer through a virus-driven Rac1 $\beta$ -NF $\kappa$ B $\beta$ -IL-6 signalling axis. <i>PLoS Pathogens</i> , 2019, 15, e1007835.	2.1	97
8	High-Risk Human Papillomavirus E5 Oncoprotein Displays Channel-Forming Activity Sensitive to Small-Molecule Inhibitors. <i>Journal of Virology</i> , 2012, 86, 5341-5351.	1.5	95
9	The human papillomavirus oncoproteins: a review of the host pathways targeted on the road to transformation. <i>Journal of General Virology</i> , 2021, 102, .	1.3	90
10	Selective and Potent Proteomimetic Inhibitors of Intracellular Protein-Protein Interactions. <i>Angewandte Chemie - International Edition</i> , 2015, 54, 2960-2965.	7.2	82
11	Merkel Cell Polyomavirus Small T Antigen Targets the NEMO Adaptor Protein To Disrupt Inflammatory Signaling. <i>Journal of Virology</i> , 2013, 87, 13853-13867.	1.5	78
12	STAT3 activation by E6 is essential for the differentiation-dependent HPV18 life cycle. <i>PLoS Pathogens</i> , 2018, 14, e1006975.	2.1	62
13	Characterization of the cellular action of the MSK inhibitor SB-747651A. <i>Biochemical Journal</i> , 2012, 441, 347-357.	1.7	59
14	Merkel Cell Polyomavirus Small T Antigen Mediates Microtubule Destabilization To Promote Cell Motility and Migration. <i>Journal of Virology</i> , 2015, 89, 35-47.	1.5	56
15	Putting the brakes on the anti-viral response: negative regulators of type I interferon (IFN) production. <i>Microbes and Infection</i> , 2011, 13, 291-302.	1.0	53
16	E6-mediated activation of JNK drives EGFR signalling to promote proliferation and viral oncoprotein expression in cervical cancer. <i>Cell Death and Differentiation</i> , 2021, 28, 1669-1687.	5.0	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. <i>Oncotarget</i> , 2017, 8, 103581-103600.	0.8	51
18	New Structural Insights into the Genome and Minor Capsid Proteins of BK Polyomavirus using Cryo-Electron Microscopy. <i>Structure</i> , 2016, 24, 528-536.	1.6	47

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19	Introduction of replication-competent hepatitis C virus transcripts using a tetracycline-regulable baculovirus delivery system. <i>Journal of General Virology</i> , 2004, 85, 429-439.	1.3	46
20	MicroRNA-18a targeting of the STK4/MST1 tumour suppressor is necessary for transformation in HPV positive cervical cancer. <i>PLoS Pathogens</i> , 2020, 16, e1008624.	2.1	46
21	JAK2 Inhibition Impairs Proliferation and Sensitises Cervical Cancer Cells to Cisplatin-Induced Cell Death. <i>Cancers</i> , 2019, 11, 1934.	1.7	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. <i>Journal of General Virology</i> , 2005, 86, 1035-1044.	1.3	39
23	BK virus: Current understanding of pathogenicity and clinical disease in transplantation. <i>Reviews in Medical Virology</i> , 2019, 29, e2044.	3.9	39
24	Merkel Cell Polyomavirus: Molecular Insights into the Most Recently Discovered Human Tumour Virus. <i>Cancers</i> , 2014, 6, 1267-1297.	1.7	37
25	The human papillomavirus (HPV) E7 protein antagonises an Imiquimod-induced inflammatory pathway in primary human keratinocytes. <i>Scientific Reports</i> , 2015, 5, 12922.	1.6	35
26	Manipulation of JAK/STAT Signalling by High-Risk HPVs: Potential Therapeutic Targets for HPV-Associated Malignancies. <i>Viruses</i> , 2020, 12, 977.	1.5	33
27	Human Papillomavirus E7 Oncoprotein Increases Production of the Anti-Inflammatory Interleukin-18 Binding Protein in Keratinocytes. <i>Journal of Virology</i> , 2014, 88, 4173-4179.	1.5	32
28	The PP4R1 sub-unit of protein phosphatase PP4 is essential for inhibition of NF- $\kappa$ B by merkel polyomavirus small tumour antigen. <i>Oncotarget</i> , 2017, 8, 25418-25432.	0.8	32
29	Human papillomavirus E5 oncoprotein: function and potential target for antiviral therapeutics. <i>Future Virology</i> , 2015, 10, 27-39.	0.9	30
30	The Structure of an Infectious Human Polyomavirus and Its Interactions with Cellular Receptors. <i>Structure</i> , 2018, 26, 839-847.e3.	1.6	29
31	Defining the frequency of human papillomavirus and polyomavirus infection in urothelial bladder tumours. <i>Scientific Reports</i> , 2018, 8, 11290.	1.6	28
32	The deubiquitinase (DUB) USP13 promotes Mcl-1 stabilisation in cervical cancer. <i>Oncogene</i> , 2021, 40, 2112-2129.	2.6	28
33	Agnoprotein Is an Essential Egress Factor during BK Polyomavirus Infection. <i>International Journal of Molecular Sciences</i> , 2018, 19, 902.	1.8	27
34	MSK regulate TCR-induced CREB phosphorylation but not immediate early gene transcription. <i>European Journal of Immunology</i> , 2007, 37, 2583-2595.	1.6	26
35	Alkyl-imino sugars inhibit the pro-oncogenic ion channel function of human papillomavirus (HPV) E5. <i>Antiviral Research</i> , 2018, 158, 113-121.	1.9	26
36	Selective and Potent Proteomimetic Inhibitors of Intracellular Protein-Protein Interactions. <i>Angewandte Chemie</i> , 2015, 127, 3003-3008.	1.6	24

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37	Cellular sheddases are induced by Merkel cell polyomavirus small tumour antigen to mediate cell dissociation and invasiveness. <i>PLoS Pathogens</i> , 2018, 14, e1007276.	2.1	24
38	Emerging Roles of Viroporins Encoded by DNA Viruses: Novel Targets for Antivirals?. <i>Viruses</i> , 2015, 7, 5375-5387.	1.5	22
39	Merkel Cell Polyomavirus Small T Antigen Drives Cell Motility via Rho-GTPase-Induced Filopodium Formation. <i>Journal of Virology</i> , 2018, 92, .	1.5	22
40	Perturbation of epidermal growth factor receptor complex formation and Ras signalling in cells harbouring the hepatitis C virus subgenomic replicon. <i>Journal of General Virology</i> , 2005, 86, 1027-1033.	1.3	21
41	The cellular chloride channels CLIC1 and CLIC4 contribute to virus-mediated cell motility. <i>Journal of Biological Chemistry</i> , 2018, 293, 4582-4590.	1.6	21
42	Induction of APOBEC3-mediated genomic damage in urothelium implicates BK polyomavirus (BKPyV) as a hit-and-run driver for bladder cancer. <i>Oncogene</i> , 2022, 41, 2139-2151.	2.6	21
43	YIP1 family member 4 (YIPF4) is a novel cellular binding partner of the papillomavirus E5 proteins. <i>Scientific Reports</i> , 2015, 5, 12523.	1.6	18
44	Effect of the Large and Small T-Antigens of Human Polyomaviruses on Signaling Pathways. <i>International Journal of Molecular Sciences</i> , 2019, 20, 3914.	1.8	18
45	Hepatitis C virus NS5A protein blocks epidermal growth factor receptor degradation via a proline motif- dependent interaction. <i>Journal of General Virology</i> , 2015, 96, 2133-2144.	1.3	16
46	Glibenclamide inhibits BK polyomavirus infection in kidney cells through CFTR blockade. <i>Antiviral Research</i> , 2020, 178, 104778.	1.9	15
47	Werner Syndrome Protein (WRN) Regulates Cell Proliferation and the Human Papillomavirus 16 Life Cycle during Epithelial Differentiation. <i>MSphere</i> , 2020, 5, .	1.3	13
48	Merkel cell polyomavirus small tumour antigen activates the p38 MAPK pathway to enhance cellular motility. <i>Biochemical Journal</i> , 2020, 477, 2721-2733.	1.7	10
49	Dysregulation of the miR-30c/DLL4 axis by cirHIPK3 is essential for KSHV lytic replication. <i>EMBO Reports</i> , 2022, 23, e54117.	2.0	9
50	Probing Protein Surfaces: QSAR Analysis with Helix Mimetics. <i>ChemBioChem</i> , 2016, 17, 768-773.	1.3	5
51	Stathmin drives virus-induced metastasis. <i>Oncotarget</i> , 2015, 6, 32289-32290.	0.8	4
52	Rationally derived inhibitors of hepatitis C virus (HCV) p7 channel activity reveal prospect for bimodal antiviral therapy. <i>ELife</i> , 2020, 9, .	2.8	4