

Andrew I Webb

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

83
papers

4,189
citations

33
h-index

64
g-index

94
ext. papers

5,325
ext. citations

11.5
avg, IF

4.79
L-index

#	Paper	IF	Citations
83	The pseudokinase MLKL mediates necroptosis via a molecular switch mechanism. <i>Immunity</i> , 2013 , 39, 443-53	32.3	717
82	Linear ubiquitination prevents inflammation and regulates immune signalling. <i>Nature</i> , 2011 , 471, 591-6	50.4	654
81	Activation of the pseudokinase MLKL unleashes the four-helix bundle domain to induce membrane localization and necroptotic cell death. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014 , 111, 15072-7	11.5	357
80	A type III effector antagonizes death receptor signalling during bacterial gut infection. <i>Nature</i> , 2013 , 501, 247-51	50.4	200
79	CIS is a potent checkpoint in NK cell-mediated tumor immunity. <i>Nature Immunology</i> , 2016 , 17, 816-24	19.1	185
78	Familial autoinflammation with neutrophilic dermatosis reveals a regulatory mechanism of pyrin activation. <i>Science Translational Medicine</i> , 2016 , 8, 332ra45	17.5	182
77	Lack of prominent peptide-major histocompatibility complex features limits repertoire diversity in virus-specific CD8+ T cell populations. <i>Nature Immunology</i> , 2005 , 6, 382-9	19.1	123
76	EspL is a bacterial cysteine protease effector that cleaves RHIM proteins to block necroptosis and inflammation. <i>Nature Microbiology</i> , 2017 , 2, 16258	26.6	100
75	Conformational switching of the pseudokinase domain promotes human MLKL tetramerization and cell death by necroptosis. <i>Nature Communications</i> , 2018 , 9, 2422	17.4	85
74	Necroptosis signalling is tuned by phosphorylation of MLKL residues outside the pseudokinase domain activation loop. <i>Biochemical Journal</i> , 2015 , 471, 255-65	3.8	76
73	A RIPK2 inhibitor delays NOD signalling events yet prevents inflammatory cytokine production. <i>Nature Communications</i> , 2015 , 6, 6442	17.4	74
72	Constraints within major histocompatibility complex class I restricted peptides: presentation and consequences for T-cell recognition. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2010 , 107, 5534-9	11.5	55
71	Functional and structural characteristics of NY-ESO-1-related HLA A2-restricted epitopes and the design of a novel immunogenic analogue. <i>Journal of Biological Chemistry</i> , 2004 , 279, 23438-46	5.4	55
70	T cell determinants incorporating beta-amino acid residues are protease resistant and remain immunogenic in vivo. <i>Journal of Immunology</i> , 2005 , 175, 3810-8	5.3	54
69	A class of T cell receptors recognize the underside of the antigen-presenting molecule MR1. <i>Science</i> , 2019 , 366, 1522-1527	33.3	53
68	Regulation of Starch Stores by a Ca(2+)-Dependent Protein Kinase Is Essential for Viable Cyst Development in <i>Toxoplasma gondii</i> . <i>Cell Host and Microbe</i> , 2015 , 18, 670-81	23.4	49
67	Viral MLKL Homologs Subvert Necroptotic Cell Death by Sequestering Cellular RIPK3. <i>Cell Reports</i> , 2019 , 28, 3309-3319.e5	10.6	48

66	Lectin switching during dengue virus infection. <i>Journal of Infectious Diseases</i> , 2011 , 203, 1775-83	7	47
65	Enrichment of extracellular vesicles from human synovial fluid using size exclusion chromatography. <i>Journal of Extracellular Vesicles</i> , 2018 , 7, 1490145	16.4	46
64	RIPLET, and not TRIM25, is required for endogenous RIG-I-dependent antiviral responses. <i>Immunology and Cell Biology</i> , 2019 , 97, 840-852	5	45
63	Epitope-specific TCRbeta repertoire diversity imparts no functional advantage on the CD8+ T cell response to cognate viral peptides. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2008 , 105, 2034-9	11.5	45
62	Suppressor of cytokine signaling (SOCS)5 ameliorates influenza infection via inhibition of EGFR signaling. <i>ELife</i> , 2017 , 6,	8.9	45
61	Synthesis of biotinylated episilvestrol: highly selective targeting of the translation factors eIF4A1/II. <i>Organic Letters</i> , 2013 , 15, 1406-9	6.2	44
60	Structure of Plasmodium falciparum Rh5-CyRPA-Ripr invasion complex. <i>Nature</i> , 2019 , 565, 118-121	50.4	39
59	Pathogenic species have a functional type I secretion system and contact-dependent inhibition systems. <i>Journal of Biological Chemistry</i> , 2017 , 292, 9075-9087	5.4	36
58	Plasmepsin V cleaves malaria effector proteins in a distinct endoplasmic reticulum translocation interactome for export to the erythrocyte. <i>Nature Microbiology</i> , 2018 , 3, 1010-1022	26.6	36
57	The bacterial arginine glycosyltransferase effector NleB preferentially modifies Fas-associated death domain protein (FADD). <i>Journal of Biological Chemistry</i> , 2017 , 292, 17337-17350	5.4	36
56	Protein kinase A negatively regulates Ca ²⁺ signalling in Toxoplasma gondii. <i>PLoS Biology</i> , 2018 , 16, e2005642	5.4	36
55	Necroptotic signaling is primed in Mycobacterium tuberculosis-infected macrophages, but its pathophysiological consequence in disease is restricted. <i>Cell Death and Differentiation</i> , 2018 , 25, 951-965 ^{12.7}	12.7	35
54	Identification of MLKL membrane translocation as a checkpoint in necroptotic cell death using Monobodies. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020 , 117, 8468-8475	11.5	34
53	Therapeutic blockade of activin-A improves NK cell function and antitumor immunity. <i>Science Signaling</i> , 2019 , 12,	8.8	33
52	The cellular redox environment alters antigen presentation. <i>Journal of Biological Chemistry</i> , 2014 , 289, 27979-91	5.4	33
51	Suppressor of Cytokine Signaling (SOCS) 5 utilises distinct domains for regulation of JAK1 and interaction with the adaptor protein Shc-1. <i>PLoS ONE</i> , 2013 , 8, e70536	3.7	33
50	The structure of H-2K(b) and K(bm8) complexed to a herpes simplex virus determinant: evidence for a conformational switch that governs T cell repertoire selection and viral resistance. <i>Journal of Immunology</i> , 2004 , 173, 402-9	5.3	27
49	Progranulin does not inhibit TNF and lymphotoxin-β signalling through TNF receptor 1. <i>Immunology and Cell Biology</i> , 2013 , 91, 661-4	5	26

48	Discovery and Validation of Novel Protein Biomarkers in Ovarian Cancer Patient Urine. <i>Proteomics - Clinical Applications</i> , 2018 , 12, e1700135	3.1	24
47	Universal Solid-Phase Protein Preparation (USP) for Bottom-up and Top-down Proteomics. <i>Journal of Proteome Research</i> , 2019 , 18, 2915-2924	5.6	23
46	ROCK-mediated selective activation of PERK signalling causes fibroblast reprogramming and tumour progression through a CRELD2-dependent mechanism. <i>Nature Cell Biology</i> , 2020 , 22, 882-895	23.4	23
45	BAK core dimers bind lipids and can be bridged by them. <i>Nature Structural and Molecular Biology</i> , 2020 , 27, 1024-1031	17.6	23
44	Ensemble Properties of Bax Determine Its Function. <i>Structure</i> , 2018 , 26, 1346-1359.e5	5.2	22
43	A mechanism for actin filament severing by malaria parasite actin depolymerizing factor 1 via a low affinity binding interface. <i>Journal of Biological Chemistry</i> , 2014 , 289, 4043-54	5.4	21
42	Person-Specific Biomolecular Coronas Modulate Nanoparticle Interactions with Immune Cells in Human Blood. <i>ACS Nano</i> , 2020 , 14, 15723-15737	16.7	20
41	Conformational interconversion of MLKL and disengagement from RIPK3 precede cell death by necroptosis. <i>Nature Communications</i> , 2021 , 12, 2211	17.4	19
40	Structural and biological basis of CTL escape in coronavirus-infected mice. <i>Journal of Immunology</i> , 2008 , 180, 3926-37	5.3	18
39	BAX Activation: Mutations Near Its Proposed Non-canonical BH3 Binding Site Reveal Allosteric Changes Controlling Mitochondrial Association. <i>Cell Reports</i> , 2019 , 27, 359-373.e6	10.6	17
38	A small molecule interacts with VDAC2 to block mouse BAK-driven apoptosis. <i>Nature Chemical Biology</i> , 2019 , 15, 1057-1066	11.7	16
37	Idiopathic infertility in women is associated with distinct changes in proliferative phase uterine fluid proteins. <i>Biology of Reproduction</i> , 2018 , 98, 752-764	3.9	13
36	Menstrual fluid factors facilitate tissue repair: identification and functional action in endometrial and skin repair. <i>FASEB Journal</i> , 2019 , 33, 584-605	0.9	13
35	Serum microRNA is a biomarker for post-operative monitoring in glioma. <i>Journal of Neuro-Oncology</i> , 2020 , 149, 391-400	4.8	13
34	The ubiquitylation of IL-1 β limits its cleavage by caspase-1 and targets it for proteasomal degradation. <i>Nature Communications</i> , 2021 , 12, 2713	17.4	12
33	Targeting histone acetylation dynamics and oncogenic transcription by catalytic P300/CBP inhibition. <i>Molecular Cell</i> , 2021 , 81, 2183-2200.e13	17.6	12
32	Role of salt bridges in the dimer interface of 14-3-3 σ in dimer dynamics, N-terminal β helical order, and molecular chaperone activity. <i>Journal of Biological Chemistry</i> , 2018 , 293, 89-99	5.4	12
31	Targeting of RNA Polymerase II by a nuclear Legionella pneumophila Dot/Icm effector SnpL. <i>Cellular Microbiology</i> , 2018 , 20, e12852	3.9	11

30	High yield production of a soluble human interleukin-3 variant from E. coli with wild-type bioactivity and improved radiolabeling properties. <i>PLoS ONE</i> , 2013 , 8, e74376	3.7	11
29	Oligomerization-driven MLKL ubiquitylation antagonizes necroptosis. <i>EMBO Journal</i> , 2021 , 40, e103718	13	11
28	How IGF-II Binds to the Human Type 1 Insulin-like Growth Factor Receptor. <i>Structure</i> , 2020 , 28, 786-798.	6.2	10
27	Prevention of cytotoxic T cell escape using a heteroclitic subdominant viral T cell determinant. <i>PLoS Pathogens</i> , 2008 , 4, e1000186	7.6	10
26	Phosphorylation by Aurora B kinase regulates caspase-2 activity and function. <i>Cell Death and Differentiation</i> , 2021 , 28, 349-366	12.7	9
25	Crystal structure of the hinge domain of Smchd1 reveals its dimerization mode and nucleic acid-binding residues. <i>Science Signaling</i> , 2020 , 13,	8.8	8
24	Proprotein convertase 5/6 cleaves platelet-derived growth factor A in the human endometrium in preparation for embryo implantation. <i>Molecular Human Reproduction</i> , 2015 , 21, 262-70	4.4	8
23	Holographic Interface for three-dimensional Visualization of MRI on HoloLens: A Prototype Platform for MRI Guided Neurosurgeries 2017 ,		7
22	Proteomic analysis of extracellular vesicles reveals an immunogenic cargo in rheumatoid arthritis synovial fluid. <i>Clinical and Translational Immunology</i> , 2020 , 9, e1185	6.8	6
21	Arrdc4-dependent extracellular vesicle biogenesis is required for sperm maturation. <i>Journal of Extracellular Vesicles</i> , 2021 , 10, e12113	16.4	6
20	Dynamic reconfiguration of pro-apoptotic BAK on membranes. <i>EMBO Journal</i> , 2021 , 40, e107237	13	6
19	Quantitative proteomic analysis of EZH2 inhibition in acute myeloid leukemia reveals the targets and pathways that precede the induction of cell death. <i>Proteomics - Clinical Applications</i> , 2017 , 11, 17000	3.1	4
18	Loss of Bcl-G, a Bcl-2 family member, augments the development of inflammation-associated colorectal cancer. <i>Cell Death and Differentiation</i> , 2020 , 27, 742-757	12.7	4
17	Granulovirus PK-1 kinase activity relies on a side-to-side dimerization mode centered on the regulatory α helix. <i>Nature Communications</i> , 2021 , 12, 1002	17.4	4
16	Sperm proteins and cancer-testis antigens are released by the seminiferous tubules in mice and men. <i>FASEB Journal</i> , 2021 , 35, e21397	0.9	4
15	Plasma membrane profiling during enterohemorrhagic infection reveals that the metalloprotease StcE cleaves CD55 from host epithelial surfaces. <i>Journal of Biological Chemistry</i> , 2018 , 293, 17188-17199	5.4	4
14	SPATA2 - Keeping the TNF signal short and sweet. <i>EMBO Journal</i> , 2016 , 35, 1848-50	13	3
13	A regulatory region on RIPK2 is required for XIAP binding and NOD signaling activity. <i>EMBO Reports</i> , 2020 , 21, e50400	6.5	3

12	Clinical MDR1 inhibitors enhance Smac-mimetic bioavailability to kill murine LSCs and improve survival in AML models. <i>Blood Advances</i> , 2020 , 4, 5062-5077	7.8	3
11	The search for RNA-binding proteins: a technical and interdisciplinary challenge. <i>Biochemical Society Transactions</i> , 2021 , 49, 393-403	5.1	3
10	Cp1/cathepsin L is required for autolysosomal clearance in. <i>Autophagy</i> , 2021 , 17, 2734-2749	10.2	2
9	Multimodal regulation of encystation in <i>Giardia duodenalis</i> revealed by deep proteomics. <i>International Journal for Parasitology</i> , 2021 , 51, 809-824	4.3	2
8	Generation of novel Id2 and E2-2, E2A and HEB antibodies reveals novel Id2 binding partners and species-specific expression of E-proteins in NK cells. <i>Molecular Immunology</i> , 2019 , 115, 56-63	4.3	1
7	K-29 linked ubiquitination of Arrdc4 regulates its function in extracellular vesicle biogenesis.. <i>Journal of Extracellular Vesicles</i> , 2022 , 11, e12188	16.4	1
6	MSCypher: an integrated database searching and machine learning workflow for multiplexed proteomics		1
5	Tankyrase-mediated ADP-ribosylation is a regulator of TNF-induced death.. <i>Science Advances</i> , 2022 , 8, eabh2332	14.3	1
4	Optimisation of peptide-based cytotoxic T-cell determinants using. <i>International Journal of Peptide Research and Therapeutics</i> , 2003 , 10, 561-569		0
3	Mass Dynamics 1.0: A Streamlined, Web-Based Environment for Analyzing, Sharing, and Integrating Label-Free Data. <i>Journal of Proteome Research</i> , 2021 , 20, 5180-5188	5.6	0
2	Budget Management 2016 , 339-357		
1	Proteomic Profiling of Cell Death: Stable Isotope Labeling and Mass Spectrometry Analysis. <i>Methods in Molecular Biology</i> , 2016 , 1419, 277-86	1.4	