

Andrew I Webb

List of Publications by Year in descending order

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84
papers

6,112
citations

87888

38
h-index

76900

74
g-index

94
all docs

94
docs citations

94
times ranked

8897
citing authors

#	ARTICLE	IF	CITATIONS
1	The Pseudokinase MLKL Mediates Necroptosis via a Molecular Switch Mechanism. <i>Immunity</i> , 2013, 39, 443-453.	14.3	958
2	Linear ubiquitination prevents inflammation and regulates immune signalling. <i>Nature</i> , 2011, 471, 591-596.	27.8	805
3	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, 15072-15077.	7.1	484
4	CIS is a potent checkpoint in NK cell-mediated tumor immunity. <i>Nature Immunology</i> , 2016, 17, 816-824.	14.5	289
5	Familial autoinflammation with neutrophilic dermatosis reveals a regulatory mechanism of pyrin activation. <i>Science Translational Medicine</i> , 2016, 8, 332ra45.	12.4	241
6	A type III effector antagonizes death receptor signalling during bacterial gut infection. <i>Nature</i> , 2013, 501, 247-251.	27.8	238
7	Conformational switching of the pseudokinase domain promotes human MLKL tetramerization and cell death by necroptosis. <i>Nature Communications</i> , 2018, 9, 2422.	12.8	154
8	Lack of prominent peptide-major histocompatibility complex features limits repertoire diversity in virus-specific CD8+ T cell populations. <i>Nature Immunology</i> , 2005, 6, 382-389.	14.5	142
9	EspL is a bacterial cysteine protease effector that cleaves RHIM proteins to block necroptosis and inflammation. <i>Nature Microbiology</i> , 2017, 2, 16258.	13.3	141
10	A RIPK2 inhibitor delays NOD signalling events yet prevents inflammatory cytokine production. <i>Nature Communications</i> , 2015, 6, 6442.	12.8	112
11	A class of β T cell receptors recognize the underside of the antigen-presenting molecule MR1. <i>Science</i> , 2019, 366, 1522-1527.	12.6	98
12	Necroptosis signalling is tuned by phosphorylation of MLKL residues outside the pseudokinase domain activation loop. <i>Biochemical Journal</i> , 2015, 471, 255-265.	3.7	91
13	Viral MLKL Homologs Subvert Necroptotic Cell Death by Sequestering Cellular RIPK3. <i>Cell Reports</i> , 2019, 28, 3309-3319.e5.	6.4	83
14	Enrichment of extracellular vesicles from human synovial fluid using size exclusion chromatography. <i>Journal of Extracellular Vesicles</i> , 2018, 7, 1490145.	12.2	78
15	Structure of <i>Plasmodium falciparum</i> Rh5-CyRPA-Ripr invasion complex. <i>Nature</i> , 2019, 565, 118-121.	27.8	74
16	Pathogenic <i>Acinetobacter</i> species have a functional type I secretion system and contact-dependent inhibition systems. <i>Journal of Biological Chemistry</i> , 2017, 292, 9075-9087.	3.4	73
17	Necroptotic signaling is primed in <i>Mycobacterium tuberculosis</i> -infected macrophages, but its pathophysiological consequence in disease is restricted. <i>Cell Death and Differentiation</i> , 2018, 25, 951-965.	11.2	72
18	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, 670-681.	11.0	71

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19	RIPLET, and not TRIM25, is required for endogenous RIG-I-dependent antiviral responses. <i>Immunology and Cell Biology</i> , 2019, 97, 840-852.	2.3	70
20	Protein kinase A negatively regulates Ca ²⁺ signalling in <i>Toxoplasma gondii</i> . <i>PLoS Biology</i> , 2018, 16, e2005642.	5.6	65
21	Therapeutic blockade of activin-A improves NK cell function and antitumor immunity. <i>Science Signaling</i> , 2019, 12, .	3.6	64
22	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.	7.1	64
23	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, 23438-23446.	3.4	61
24	Suppressor of cytokine signaling (SOCS)5 ameliorates influenza infection via inhibition of EGFR signaling. <i>eLife</i> , 2017, 6, .	6.0	61
25	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.	13.3	59
26	Targeting histone acetylation dynamics and oncogenic transcription by catalytic P300/CBP inhibition. <i>Molecular Cell</i> , 2021, 81, 2183-2200.e13.	9.7	59
27	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, 5534-5539.	7.1	58
28	Lectin Switching During Dengue Virus Infection. <i>Journal of Infectious Diseases</i> , 2011, 203, 1775-1783.	4.0	58
29	T Cell Determinants Incorporating β -Amino Acid Residues Are Protease Resistant and Remain Immunogenic In Vivo. <i>Journal of Immunology</i> , 2005, 175, 3810-3818.	0.8	56
30	Conformational interconversion of MLKL and disengagement from RIPK3 precede cell death by necroptosis. <i>Nature Communications</i> , 2021, 12, 2211.	12.8	56
31	Person-Specific Biomolecular Coronas Modulate Nanoparticle Interactions with Immune Cells in Human Blood. <i>ACS Nano</i> , 2020, 14, 15723-15737.	14.6	55
32	The bacterial arginine glycosyltransferase effector NleB preferentially modifies Fas-associated death domain protein (FADD). <i>Journal of Biological Chemistry</i> , 2017, 292, 17337-17350.	3.4	53
33	The Cellular Redox Environment Alters Antigen Presentation. <i>Journal of Biological Chemistry</i> , 2014, 289, 27979-27991.	3.4	52
34	Epitope-specific TCR β 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, 2034-2039.	7.1	50
35	Synthesis of Biotinylated Episilvestrol: Highly Selective Targeting of the Translation Factors eIF4A/II. <i>Organic Letters</i> , 2013, 15, 1406-1409.	4.6	49
36	BAK core dimers bind lipids and can be bridged by them. <i>Nature Structural and Molecular Biology</i> , 2020, 27, 1024-1031.	8.2	49

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37	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.	10.3	47
38	Universal Solid-Phase Protein Preparation (USP ³) for Bottom-up and Top-down Proteomics. <i>Journal of Proteome Research</i> , 2019, 18, 2915-2924.	3.7	43
39	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.	2.5	42
40	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.	12.8	40
41	Oligomerization-driven MLKL ubiquitylation antagonizes necroptosis. <i>EMBO Journal</i> , 2021, 40, e103718.	7.8	39
42	Discovery and Validation of Novel Protein Biomarkers in Ovarian Cancer Patient Urine. <i>Proteomics - Clinical Applications</i> , 2018, 12, e1700135.	1.6	37
43	How IGF-II Binds to the Human Type 1 Insulin-like Growth Factor Receptor. <i>Structure</i> , 2020, 28, 786-798.e6.	3.3	36
44	Progranulin does not inhibit TNF and lymphotoxin β signalling through TNF receptor 1. <i>Immunology and Cell Biology</i> , 2013, 91, 661-664.	2.3	35
45	Ensemble Properties of Bax Determine Its Function. <i>Structure</i> , 2018, 26, 1346-1359.e5.	3.3	34
46	The Structure of H-2Kb and Kbm8 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, 402-409.	0.8	31
47	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.	6.4	31
48	A small molecule interacts with VDAC2 to block mouse BAK-driven apoptosis. <i>Nature Chemical Biology</i> , 2019, 15, 1057-1066.	8.0	30
49	Serum microRNA is a biomarker for post-operative monitoring in glioma. <i>Journal of Neuro-Oncology</i> , 2020, 149, 391-400.	2.9	27
50	Structural and Biological Basis of CTL Escape in Coronavirus-Infected Mice. <i>Journal of Immunology</i> , 2008, 180, 3926-3937.	0.8	23
51	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, 4043-4054.	3.4	22
52	Menstrual fluid factors facilitate tissue repair: identification and functional action in endometrial and skin repair. <i>FASEB Journal</i> , 2019, 33, 584-605.	0.5	22
53	Targeting of RNA Polymerase II by a nuclear <i>Legionella pneumophila</i> Dot/Icm effector SnpL. <i>Cellular Microbiology</i> , 2018, 20, e12852.	2.1	21
54	Proteomic analysis of extracellular vesicles reveals an immunogenic cargo in rheumatoid arthritis synovial fluid. <i>Clinical and Translational Immunology</i> , 2020, 9, e1185.	3.8	21

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55	Idiopathic infertility in women is associated with distinct changes in proliferative phase uterine fluid proteins. <i>Biology of Reproduction</i> , 2018, 98, 752-764.	2.7	20
56	Dynamic reconfiguration of proapoptotic BAK on membranes. <i>EMBO Journal</i> , 2021, 40, e107237.	7.8	20
57	Phosphorylation by Aurora B kinase regulates caspase-2 activity and function. <i>Cell Death and Differentiation</i> , 2021, 28, 349-366.	11.2	18
58	Role of salt bridges in the dimer interface of 14-3-3 η in dimer dynamics, N-terminal α -helical order, and molecular chaperone activity. <i>Journal of Biological Chemistry</i> , 2018, 293, 89-99.	3.4	17
59	Prevention of Cytotoxic T Cell Escape Using a Heteroclitic Subdominant Viral T Cell Determinant. <i>PLoS Pathogens</i> , 2008, 4, e1000186.	4.7	14
60	Sperm proteins and cancer testis antigens are released by the seminiferous tubules in mice and men. <i>FASEB Journal</i> , 2021, 35, e21397.	0.5	14
61	Artdc4-dependent extracellular vesicle biogenesis is required for sperm maturation. <i>Journal of Extracellular Vesicles</i> , 2021, 10, e12113.	12.2	14
62	High Yield Production of a Soluble Human Interleukin-3 Variant from <i>E. coli</i> with Wild-Type Bioactivity and Improved Radiolabeling Properties. <i>PLoS ONE</i> , 2013, 8, e74376.	2.5	13
63	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, 262-270.	2.8	13
64	Holographic Interface for three-dimensional Visualization of MRI on HoloLens: A Prototype Platform for MRI Guided Neurosurgeries. , 2017, , .		13
65	Crystal structure of the hinge domain of Smchd1 reveals its dimerization mode and nucleic acid-binding residues. <i>Science Signaling</i> , 2020, 13, .	3.6	12
66	The search for RNA-binding proteins: a technical and interdisciplinary challenge. <i>Biochemical Society Transactions</i> , 2021, 49, 393-403.	3.4	10
67	A regulatory region on RIPK2 is required for XIAP binding and NOD signaling activity. <i>EMBO Reports</i> , 2020, 21, e50400.	4.5	9
68	Cp1/cathepsin L is required for autolysosomal clearance in <i>Drosophila</i> . <i>Autophagy</i> , 2021, 17, 2734-2749.	9.1	9
69	Tankyrase-mediated ADP-ribosylation is a regulator of TNF-induced death. <i>Science Advances</i> , 2022, 8, eabh2332.	10.3	9
70	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.	11.2	8
71	K ϵ 29 linked ubiquitination of Artdc4 regulates its function in extracellular vesicle biogenesis. <i>Journal of Extracellular Vesicles</i> , 2022, 11, e12188.	12.2	8
72	Plasma membrane profiling during enterohemorrhagic <i>E. coli</i> infection reveals that the metalloprotease StcE cleaves CD55 from host epithelial surfaces. <i>Journal of Biological Chemistry</i> , 2018, 293, 17188-17199.	3.4	7

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73	Granulovirus PK-1 kinase activity relies on a side-to-side dimerization mode centered on the regulatory Î±C helix. Nature Communications, 2021, 12, 1002.	12.8	7
74	Multimodal regulation of encystation in Giardia duodenalis revealed by deep proteomics. International Journal for Parasitology, 2021, 51, 809-824.	3.1	7
75	<scp>SPATA</scp> 2 “ Keeping the <scp>TNF</scp> signal short and sweet. EMBO Journal, 2016, 35, 1848-1850.	7.8	6
76	Clinical MDR1 inhibitors enhance Smac-mimetic bioavailability to kill murine LSCs and improve survival in AML models. Blood Advances, 2020, 4, 5062-5077.	5.2	6
77	Quantitative proteomic analysis of EZH2 inhibition in acute myeloid leukemia reveals the targets and pathways that precede the induction of cell death. Proteomics - Clinical Applications, 2017, 11, 1700013.	1.6	5
78	Mass Dynamics 1.0: A Streamlined, Web-Based Environment for Analyzing, Sharing, and Integrating Label-Free Data. Journal of Proteome Research, 2021, 20, 5180-5188.	3.7	4
79	SFPQ-ABL1 and BCR-ABL1 use different signaling networks to drive B-cell acute lymphoblastic leukemia. Blood Advances, 2022, 6, 2373-2387.	5.2	4
80	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. Molecular Immunology, 2019, 115, 56-63.	2.2	3
81	Simplifying MS1 and MS2 spectra to achieve lower mass error, more dynamic range, and higher peptide identification confidence on the Bruker timsTOF Pro. PLoS ONE, 2022, 17, e0271025.	2.5	2
82	Optimisation of peptide-based cytotoxic T-cell determinants using. International Journal of Peptide Research and Therapeutics, 2003, 10, 561-569.	0.1	1
83	Proteomic Profiling of Cell Death: Stable Isotope Labeling and Mass Spectrometry Analysis. Methods in Molecular Biology, 2016, 1419, 277-286.	0.9	0
84	Budget Management. , 2016, , 339-357.		0