

Robin Antrobus

List of Publications by Year in descending order

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Version: 2024-02-01

54
papers

3,154
citations

147801
31
h-index

175258
52
g-index

64
all docs

64
docs citations

64
times ranked

6207
citing authors

#	ARTICLE	IF	CITATIONS
1	NOTCH1 mediates a switch between two distinct secretomes during senescence. <i>Nature Cell Biology</i> , 2016, 18, 979-992.	10.3	365
2	Cell Surface Proteomic Map of HIV Infection Reveals Antagonism of Amino Acid Metabolism by Vpu and Nef. <i>Cell Host and Microbe</i> , 2015, 18, 409-423.	11.0	158
3	Latency-Associated Degradation of the MRP1 Drug Transporter During Latent Human Cytomegalovirus Infection. <i>Science</i> , 2013, 340, 199-202.	12.6	129
4	An Interferon-Driven Oxysterol-Based Defense against Tumor-Derived Extracellular Vesicles. <i>Cancer Cell</i> , 2019, 35, 33-45.e6.	16.8	125
5	Characterization of TSET, an ancient and widespread membrane trafficking complex. <i>ELife</i> , 2014, 3, e02866.	6.0	114
6	A Mass Spectrometry-Based Approach for Mapping Protein Subcellular Localization Reveals the Spatial Proteome of Mouse Primary Neurons. <i>Cell Reports</i> , 2017, 20, 2706-2718.	6.4	105
7	AMPylation matches BiP activity to client protein load in the endoplasmic reticulum. <i>ELife</i> , 2015, 4, e12621.	6.0	101
8	Role of the AP-5 adaptor protein complex in late endosome-to-Golgi retrieval. <i>PLoS Biology</i> , 2018, 16, e2004411.	5.6	100
9	ATF7IP-Mediated Stabilization of the Histone Methyltransferase SETDB1 Is Essential for Heterochromatin Formation by the HUSH Complex. <i>Cell Reports</i> , 2016, 17, 653-659.	6.4	94
10	High-Definition Analysis of Host Protein Stability during Human Cytomegalovirus Infection Reveals Antiviral Factors and Viral Evasion Mechanisms. <i>Cell Host and Microbe</i> , 2018, 24, 447-460.e11.	11.0	93
11	Human cytomegalovirus interactome analysis identifies degradation hubs, domain associations and viral protein functions. <i>ELife</i> , 2019, 8, .	6.0	84
12	Temporal proteomic analysis of HIV infection reveals remodelling of the host phosphoproteome by lentiviral Vif variants. <i>ELife</i> , 2016, 5, .	6.0	76
13	Cleavage by signal peptide peptidase is required for the degradation of selected tail-anchored proteins. <i>Journal of Cell Biology</i> , 2014, 205, 847-862.	5.2	73
14	Plasma Membrane Profiling Defines an Expanded Class of Cell Surface Proteins Selectively Targeted for Degradation by HCMV US2 in Cooperation with UL141. <i>PLoS Pathogens</i> , 2015, 11, e1004811.	4.7	73
15	Improved Elution Conditions for Native Co-Immunoprecipitation. <i>PLoS ONE</i> , 2011, 6, e18218.	2.5	70
16	A Spaetzle-like role for nerve growth factor β in vertebrate immunity to <i>Staphylococcus aureus</i> . <i>Science</i> , 2014, 346, 641-646.	12.6	68
17	The Proteasome Distinguishes between Heterotypic and Homotypic Lysine-11-Linked Polyubiquitin Chains. <i>Cell Reports</i> , 2015, 12, 545-553.	6.4	68
18	HCMV pUL135 Remodels the Actin Cytoskeleton to Impair Immune Recognition of Infected Cells. <i>Cell Host and Microbe</i> , 2014, 16, 201-214.	11.0	67

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19	Control of immune ligands by members of a cytomegalovirus gene expansion suppresses natural killer cell activation. <i>ELife</i> , 2017, 6, .	6.0	67
20	TAPBPR bridges UDP-glucose:glycoprotein glucosyltransferase 1 onto MHC class I to provide quality control in the antigen presentation pathway. <i>ELife</i> , 2017, 6, .	6.0	66
21	Genetic dissection of mammalian ERAD through comparative haploid and CRISPR forward genetic screens. <i>Nature Communications</i> , 2016, 7, 11786.	12.8	64
22	Fat mass and obesity-related (FTO) shuttles between the nucleus and cytoplasm. <i>Bioscience Reports</i> , 2014, 34, .	2.4	61
23	Suppression of costimulation by human cytomegalovirus promotes evasion of cellular immune defenses. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018, 115, 4998-5003.	7.1	61
24	Integrative functional genomics decodes herpes simplex virus 1. <i>Nature Communications</i> , 2020, 11, 2038.	12.8	61
25	Contributions of epsinR and gadkin to clathrin-mediated intracellular trafficking. <i>Molecular Biology of the Cell</i> , 2015, 26, 3085-3103.	2.1	58
26	Obesity-associated gene <i>TMEM18</i> has a role in the central control of appetite and body weight regulation. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017, 114, 9421-9426.	7.1	57
27	Mutations in mitochondrial DNA causing tubulointerstitial kidney disease. <i>PLoS Genetics</i> , 2017, 13, e1006620.	3.5	52
28	Eros is a novel transmembrane protein that controls the phagocyte respiratory burst and is essential for innate immunity. <i>Journal of Experimental Medicine</i> , 2017, 214, 1111-1128.	8.5	50
29	Quantitative Temporal Proteomic Analysis of Vaccinia Virus Infection Reveals Regulation of Histone Deacetylases by an Interferon Antagonist. <i>Cell Reports</i> , 2019, 27, 1920-1933.e7.	6.4	50
30	Haploid Genetic Screens Identify an Essential Role for PLP2 in the Downregulation of Novel Plasma Membrane Targets by Viral E3 Ubiquitin Ligases. <i>PLoS Pathogens</i> , 2013, 9, e1003772.	4.7	42
31	Human cytomegalovirus protein pUL36: A dual cell death pathway inhibitor. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020, 117, 18771-18779.	7.1	42
32	VAMP3/Syb and YKT6 are required for the fusion of constitutive secretory carriers with the plasma membrane. <i>PLoS Genetics</i> , 2017, 13, e1006698.	3.5	37
33	Contribution of the clathrin adaptor AP-1 subunit $\mu 1$ to acidic cluster protein sorting. <i>Journal of Cell Biology</i> , 2017, 216, 2927-2943.	5.2	35
34	The WDR11 complex facilitates the tethering of AP-1-derived vesicles. <i>Nature Communications</i> , 2018, 9, 596.	12.8	30
35	The homophilic receptor PTPRK selectively dephosphorylates multiple junctional regulators to promote cell-cell adhesion. <i>ELife</i> , 2019, 8, .	6.0	30
36	Temporal Proteomic Analysis of Herpes Simplex Virus 1 Infection Reveals Cell-Surface Remodeling via pUL56-Mediated GOPC Degradation. <i>Cell Reports</i> , 2020, 33, 108235.	6.4	29

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37	ABHD11 maintains 2-oxoglutarate metabolism by preserving functional lipoylation of the 2-oxoglutarate dehydrogenase complex. <i>Nature Communications</i> , 2020, 11, 4046.	12.8	28
38	Comprehensive cell surface proteomics defines markers of classical, intermediate and non-classical monocytes. <i>Scientific Reports</i> , 2020, 10, 4560.	3.3	28
39	Insights into herpesvirus assembly from the structure of the pUL7:pUL51 complex. <i>ELife</i> , 2020, 9, .	6.0	27
40	NBEAL2 is required for neutrophil and NK cell function and pathogen defense. <i>Journal of Clinical Investigation</i> , 2017, 127, 3521-3526.	8.2	25
41	Human cytomegalovirus protein RL1 degrades the antiviral factor SLFN11 via recruitment of the CRL4 E3 ubiquitin ligase complex. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2022, 119, .	7.1	24
42	Clathrin heavy chain 22 contributes to the control of neuropeptide degradation and secretion during neuronal development. <i>Scientific Reports</i> , 2018, 8, 2340.	3.3	19
43	Quantitative comparative analysis of human erythrocyte surface proteins between individuals from two genetically distinct populations. <i>Communications Biology</i> , 2019, 2, 350.	4.4	19
44	MX2-mediated innate immunity against HIV-1 is regulated by serine phosphorylation. <i>Nature Microbiology</i> , 2021, 6, 1031-1042.	13.3	18
45	Plasma Membrane Profiling Reveals Upregulation of ABCA1 by Infected Macrophages Leading to Restriction of Mycobacterial Growth. <i>Frontiers in Microbiology</i> , 2016, 7, 1086.	3.5	17
46	CHCHD4 confers metabolic vulnerabilities to tumour cells through its control of the mitochondrial respiratory chain. <i>Cancer & Metabolism</i> , 2019, 7, 2.	5.0	15
47	Maternal obesity during pregnancy leads to adipose tissue ER stress in mice via miR-126-mediated reduction in Lunapark. <i>Diabetologia</i> , 2021, 64, 890-902.	6.3	15
48	Human Cytomegalovirus Long Non-coding RNA1.2 Suppresses Extracellular Release of the Pro-inflammatory Cytokine IL-6 by Blocking NF- κ B Activation. <i>Frontiers in Cellular and Infection Microbiology</i> , 2020, 10, 361.	3.9	12
49	Role of clathrin in dense core vesicle biogenesis. <i>Molecular Biology of the Cell</i> , 2017, 28, 2676-2685.	2.1	9
50	Nucleotide-binding sites can enhance N-acylation of nearby protein lysine residues. <i>Scientific Reports</i> , 2020, 10, 20254.	3.3	8
51	Auxiliary-assisted chemical ubiquitylation of NEMO and linear extension by HOIP. <i>Communications Chemistry</i> , 2019, 2, 111.	4.5	7
52	Comparative Cell Surface Proteomic Analysis of the Primary Human T Cell and Monocyte Responses to Type I Interferon. <i>Frontiers in Immunology</i> , 2021, 12, 600056.	4.8	7
53	Antagonism of aminoacid transport in primary CD4 T cells by HIV-1 Vpu. <i>Lancet, The</i> , 2015, 385, S66.	13.7	5
54	Rapid Degradation Pathways of Host Proteins During HCMV Infection Revealed by Quantitative Proteomics. <i>Frontiers in Cellular and Infection Microbiology</i> , 2020, 10, 578259.	3.9	3