Robin Ketteler

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/3729916/publications.pdf

Version: 2024-02-01

68	7,015	186265 28	128289 60
papers	citations	h-index	g-index

74	74	74	18186
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Guidelines for the use and interpretation of assays for monitoring autophagy (3rd edition). Autophagy, 2016, 12, 1-222.	9.1	4,701
2	H3.3K27M Cooperates with Trp53 Loss and PDGFRA Gain in Mouse Embryonic Neural Progenitor Cells to Induce Invasive High-Grade Gliomas. Cancer Cell, 2017, 32, 684-700.e9.	16.8	192
3	Redundancy of human ATG4 protease isoforms in autophagy and LC3/GABARAP processing revealed in cells. Autophagy, 2019, 15, 976-997.	9.1	143
4	A reversible phospho-switch mediated by ULK1 regulates the activity of autophagy protease ATG4B. Nature Communications, 2017, 8, 294.	12.8	119
5	Self assembly of the transmembrane domain promotes signal transduction through the erythropoietin receptor. Current Biology, 2001, 11, 110-115.	3.9	100
6	A new age in functional genomics using CRISPR/Cas9 in arrayed library screening. Frontiers in Genetics, 2015, 6, 300.	2.3	96
7	Enhanced transgene expression in primitive hematopoietic progenitor cells and embryonic stem cells efficiently transduced by optimized retroviral hybrid vectors. Gene Therapy, 2002, 9, 477-487.	4.5	92
8	Potent and broad neutralization of HIV-1 by a llama antibody elicited by immunization. Journal of Experimental Medicine, 2012, 209, 1091-1103.	8.5	91
9	A Two-Tier Golgi-Based Control of Organelle Size Underpins the Functional Plasticity of Endothelial Cells. Developmental Cell, 2014, 29, 292-304.	7.0	87
10	Adamantiades-BehÃ§et's disease: interleukin-8 is increased in serum of patients with active oral and neurological manifestations and is secreted by small vessel endothelial cells. Archives of Dermatological Research, 2000, 292, 279-284.	1.9	80
11	Application guide for omics approaches to cell signaling. Nature Chemical Biology, 2015, 11, 387-397.	8.0	69
12	Effects of Telomerase Modulation in Human Hematopoietic Progenitor Cells. Stem Cells, 2004, 22, 741-749.	3.2	67
13	On programmed ribosomal frameshifting: the alternative proteomes. Frontiers in Genetics, 2012, 3, 242.	2.3	58
14	FBS/BSA media concentration determines CCCPâ€™s ability to depolarize mitochondria and activate PINK1-PRKN mitophagy. Autophagy, 2019, 15, 2002-2011.	9.1	57
15	Quantitation of autophagy by luciferase release assay. Autophagy, 2008, 4, 801-806.	9.1	52
16	A single cell high content assay detects mitochondrial dysfunction in iPSC-derived neurons with mutations in SNCA. Scientific Reports, 2018, 8, 9033.	3.3	50
17	Identification of Broad-Spectrum Antiviral Compounds by Targeting Viral Entry. Viruses, 2019, 11, 176.	3.3	48
18	Aberrant Î±-Adrenergic Hypertrophic Response in Cardiomyocytes from Human Induced Pluripotent Cells. Stem Cell Reports, 2014, 3, 905-914.	4.8	46

#	Article	IF	Citations
19	Agephagy â€“ Adapting Autophagy for Health During Aging. Frontiers in Cell and Developmental Biology, 2019, 7, 308.	3.7	43
20	Human ATG4 autophagy proteases counteract attachment of ubiquitin-like LC3/GABARAP proteins to other cellular proteins. Journal of Biological Chemistry, 2019, 294, 12610-12621.	3.4	40
21	A pathway sensor for genome-wide screens of intracellular proteolytic cleavage. Genome Biology, 2008, 9, R64.	9.6	38
22	Electroporation Knows No Boundaries: The Use of Electrostimulation for siRNA Delivery in Cells and Tissues. Journal of Biomolecular Screening, 2015, 20, 932-942.	2.6	38
23	Weibel-Palade body size modulates the adhesive activity of its von Willebrand Factor cargo in cultured endothelial cells. Scientific Reports, 2016, 6, 32473.	3.3	38
24	Using stem cellâ€“derived neurons in drug screening for neurological diseases. Neurobiology of Aging, 2019, 78, 130-141.	3.1	38
25	Molecular Signatures of Regression of the Canine Transmissible Venereal Tumor. Cancer Cell, 2018, 33, 620-633.e6.	16.8	37
26	Towards a data-integrated cell. Nature Communications, 2019, 10, 805.	12.8	37
27	A CRISPR CASe for high-throughput silencing. Frontiers in Genetics, 2013, 4, 193.	2.3	36
28	Hydralazine protects the heart against acute ischaemia/reperfusion injury by inhibiting Drp1-mediated mitochondrial fission. Cardiovascular Research, 2022, 118, 282-294.	3.8	31
29	Identification and functional validation of FDA-approved positive and negative modulators of the mitochondrial calcium uniporter. Cell Reports, 2021, 35, 109275.	6.4	28
30	On ATG4B as Drug Target for Treatment of Solid Tumoursâ€”The Knowns and the Unknowns. Cells, 2020, 9, 53.	4.1	26
31	Investigation of USP30 inhibition to enhance Parkin-mediated mitophagy: tools and approaches. Biochemical Journal, 2021, 478, 4099-4118.	3.7	26
32	A Functional Green Fluorescent Protein-tagged Erythropoietin Receptor Despite Physical Separation of JAK2 Binding Site and Tyrosine Residues. Journal of Biological Chemistry, 2002, 277, 26547-26552.	3.4	24
33	Application of Gaussia luciferase in bicistronic and non-conventional secretion reporter constructs. BMC Biochemistry, 2014, 15, 14.	4.4	24
34	Signalling involving MET and FAK supports cell division independent of the activity of the cell cycle-regulating CDK4/6 kinases. Oncogene, 2019, 38, 5905-5920.	5.9	23
35	Autophagy gene expression profiling identifies a defective microtubule-associated protein light chain 3A mutant in cancer. Oncotarget, 0, 7, 41203-41216.	1.8	23
36	The Cytokine-inducible Scr Homology Domain-containing Protein Negatively Regulates Signaling by Promoting Apoptosis in Erythroid Progenitor Cells. Journal of Biological Chemistry, 2003, 278, 2654-2660.	3.4	22

#	Article	IF	Citations
37	Academic drug discovery within the United Kingdom: a reassessment. Nature Reviews Drug Discovery, 2015, 14, 510-510.	46.4	22
38	Systematic Identification of Oncogenic EGFR Interaction Partners. Journal of Molecular Biology, 2017, 429, 280-294.	4.2	22
39	HDAC3 Regulates the Transition to the Homeostatic Myelinating Schwann Cell State. Cell Reports, 2018, 25, 2755-2765.e5.	6.4	22
40	Ribose 5-phosphate isomerase inhibits LC3 processing and basal autophagy. Cellular Signalling, 2016, 28, 1380-1388.	3.6	21
41	Digoxin reveals a functional connection between HIV-1 integration preference and T-cell activation. PLoS Pathogens, 2017, 13, e1006460.	4.7	21
42	Benzobisthiazoles Represent a Novel Scaffold for Kinase Inhibitors of CLK Family Members. Biochemistry, 2016, 55, 608-617.	2.5	20
43	A new patientâ€derived iPSC model for dystroglycanopathies validates a compound that increases glycosylation of Î±â€dystroglycan. EMBO Reports, 2019, 20, e47967.	4.5	18
44	Expression of mutant exon 1 huntingtin fragments in human neural stem cells and neurons causes inclusion formation and mitochondrial dysfunction. FASEB Journal, 2020, 34, 8139-8154.	0.5	18
45	Identification of Kinases and Phosphatases That Regulate ATG4B Activity by siRNA and Small Molecule Screening in Cells. Frontiers in Cell and Developmental Biology, 2018, 6, 148.	3.7	16
46	Modulation of endothelial organelle size as an antithrombotic strategy. Journal of Thrombosis and Haemostasis, 2020, 18, 3296-3308.	3.8	16
47	Packing Density of the Erythropoietin Receptor Transmembrane Domain Correlates with Amplification of Biological Responses. Biochemistry, 2008, 47, 11771-11782.	2.5	15
48	G proteinâ€coupled receptor kinase 2 moderates recruitment of THPâ€1 cells to the endothelium by limiting histamineâ€invoked Weibelâ€Palade body exocytosis. Journal of Thrombosis and Haemostasis, 2014, 12, 261-272.	3.8	14
49	Higher throughput drug screening for rare respiratory diseases: Readthrough therapy in primary ciliary dyskinesia. European Respiratory Journal, 2021, 58, 2000455.	6.7	13
50	High-Throughput Transfection of Differentiated Primary Neurons from Rat Forebrain. Journal of Biomolecular Screening, 2012, 17, 692-696.	2.6	8
51	Image-based siRNA screen to identify kinases regulating Weibel-Palade body size control using electroporation. Scientific Data, 2017, 4, 170022.	5.3	8
52	High-Content Screening in Cell Biology. , 2016, , 234-244.		7
53	Transcriptional coâ€activators YAP1â€“TAZ of Hippo signalling in doxorubicinâ€induced cardiomyopathy. ESC Heart Failure, 2022, 9, 224-235.	3.1	7
54	A High-content Imaging Workflow to Study Grb2 Signaling Complexes by Expression Cloning. Journal of Visualized Experiments, 2012, , .	0.3	6

#	Article	IF	Citations
55	High-Content Analysis of Mitochondrial Function in iPSC-Derived Neurons. Methods in Molecular Biology, 2019, 1994, 175-184.	0.9	4
56	G protein-coupled receptor kinase 2 moderates recruitment of THP-1 cells to the endothelium by limiting histamine-invoked Weibel-Palade body exocytosis. Journal of Thrombosis and Haemostasis, 2014, 12, 261-72.	3.8	4
57	Seeding Induced Pluripotent Stem Cell-Derived Neurons onto 384-Well Plates. Methods in Molecular Biology, 2019, 1994, 159-164.	0.9	3
58	The Feynman Trajectories. Journal of Biomolecular Screening, 2010, 15, 321-326.	2.6	2
59	Host-encoded reporters for the detection and purification of multiple enveloped viruses. Journal of Virological Methods, 2010, 167, 178-185.	2.1	1
60	High-Content Autophagy Analysis in iPSC-Derived Neurons Using Immunofluorescence. Methods in Molecular Biology, 2019, 1994, 165-174.	0.9	1
61	ATG4: More Than a Protease?. Trends in Cell Biology, 2021, 31, 515-516.	7.9	1
62	GFP-Grb2 Translocation Assay Using High-content Imaging to Screen for Modulators of EGFR-signaling. Bio-protocol, 2017, 7, .	0.4	1
63	Methods in Molecular Biology, Volume 716: Drug Design and Discovery: Methods and Protocols. British Journal of Clinical Pharmacology, 2012, 73, 144-144.	2.4	0
64	B27â€…Abnormal bioenergetics in inclusion-containing mutant HTT exon 1 primary human neurons. Journal of Neurology, Neurosurgery and Psychiatry, 2016, 87, A18.2-A19.	1.9	0
65	B10â€…Inclusion formation in mutant HTT exon 1 expressing human neuronal cells. Journal of Neurology, Neurosurgery and Psychiatry, 2016, 87, A12.2-A12.	1.9	0
66	019â€ƒModulation of monocyte autophagy as a therapeutic target in antiphospholipid syndrome. Rheumatology, 2019, 58, .	1.9	0
67	High-Content Screening in Cell Biology. , 2022, , .		0
68	Developing a 384-Well Plate Format Screening Method for Human Primary Airway Epithelial Cell Proliferation. , 2022, , .		0