

Georg Ramm

List of Publications by Year in descending order

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Version: 2024-02-01

64
papers

8,482
citations

101543

36
h-index

106344

65
g-index

72
all docs

72
docs citations

72
times ranked

17022
citing authors

#	ARTICLE	IF	CITATIONS
1	Guidelines for the use and interpretation of assays for monitoring autophagy. <i>Autophagy</i> , 2012, 8, 445-544.	9.1	3,122
2	Interleukin-6 Increases Insulin-Stimulated Glucose Disposal in Humans and Glucose Uptake and Fatty Acid Oxidation In Vitro via AMP-Activated Protein Kinase. <i>Diabetes</i> , 2006, 55, 2688-2697.	0.6	699
3	BAK/BAX macropores facilitate mitochondrial herniation and mtDNA efflux during apoptosis. <i>Science</i> , 2018, 359, .	12.6	581
4	Atg8 family LC3/GABARAP proteins are crucial for autophagosome-lysosome fusion but not autophagosome formation during PINK1/Parkin mitophagy and starvation. <i>Journal of Cell Biology</i> , 2016, 215, 857-874.	5.2	487
5	Characterization of the Role of the Rab GTPase-activating Protein AS160 in Insulin-regulated GLUT4 Trafficking. <i>Journal of Biological Chemistry</i> , 2005, 280, 37803-37813.	3.4	330
6	Reorganization of multivesicular bodies regulates MHC class II antigen presentation by dendritic cells. <i>Journal of Cell Biology</i> , 2001, 155, 53-64.	5.2	256
7	The serine/threonine kinase ULK1 is a target of multiple phosphorylation events. <i>Biochemical Journal</i> , 2011, 440, 283-291.	3.7	203
8	A Role for 14-3-3 in Insulin-stimulated GLUT4 Translocation through Its Interaction with the RabGAP AS160. <i>Journal of Biological Chemistry</i> , 2006, 281, 29174-29180.	3.4	185
9	Rapid Activation of Akt2 Is Sufficient to Stimulate GLUT4 Translocation in 3T3-L1 Adipocytes. <i>Cell Metabolism</i> , 2008, 7, 348-356.	16.2	159
10	The Burkholderia pseudomallei Type III Secretion System and BopA Are Required for Evasion of LC3-Associated Phagocytosis. <i>PLoS ONE</i> , 2011, 6, e17852.	2.5	140
11	Helicobacter pylori Outer Membrane Vesicle Size Determines Their Mechanisms of Host Cell Entry and Protein Content. <i>Frontiers in Immunology</i> , 2018, 9, 1466.	4.8	139
12	Podocyte-specific Nox4 deletion affords renoprotection in a mouse model of diabetic nephropathy. <i>Diabetologia</i> , 2016, 59, 379-389.	6.3	114
13	Structure of the poly-C9 component of the complement membrane attack complex. <i>Nature Communications</i> , 2016, 7, 10588.	12.8	112
14	Outer membrane vesicles from Neisseria gonorrhoeae target PorB to mitochondria and induce apoptosis. <i>PLoS Pathogens</i> , 2018, 14, e1006945.	4.7	105
15	INPP5E regulates phosphoinositide-dependent cilia transition zone function. <i>Journal of Cell Biology</i> , 2017, 216, 247-263.	5.2	101
16	CaMKII-Mediated Phosphorylation of the Myosin Motor Myo1c Is Required for Insulin-Stimulated GLUT4 Translocation in Adipocytes. <i>Cell Metabolism</i> , 2008, 8, 384-398.	16.2	95
17	Increased Outer Membrane Vesicle Formation in a Helicobacter pylori tolB Mutant. <i>Helicobacter</i> , 2015, 20, 269-283.	3.5	82
18	The GLUT4 Code. <i>Molecular Endocrinology</i> , 2008, 22, 226-233.	3.7	79

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19	The protonophore CCCP interferes with lysosomal degradation of autophagic cargo in yeast and mammalian cells. <i>Autophagy</i> , 2013, 9, 1862-1875.	9.1	78
20	Insulin Recruits GLUT4 from Specialized VAMP2-carrying Vesicles as well as from the Dynamic Endosomal/Trans-Golgi Network in Rat Adipocytes.. <i>Molecular Biology of the Cell</i> , 2000, 11, 4079-4091.	2.1	68
21	Zebrafish models of BAG3 myofibrillar myopathy suggest a toxic gain of function leading to BAG3 insufficiency. <i>Acta Neuropathologica</i> , 2014, 128, 821-833.	7.7	67
22	Endosomes: multipurpose designs for integrating housekeeping and specialized tasks. <i>Histochemistry and Cell Biology</i> , 2002, 117, 91-104.	1.7	66
23	The evolution of new lipoprotein subunits of the bacterial outer membrane BAM complex. <i>Molecular Microbiology</i> , 2012, 84, 832-844.	2.5	65
24	The cryo-EM structure of the acid activatable pore-forming immune effector Macrophage-expressed gene 1. <i>Nature Communications</i> , 2019, 10, 4288.	12.8	65
25	The Rab GTPase-Activating Protein TBC1D4/AS160 Contains an Atypical Phosphotyrosine-Binding Domain That Interacts with Plasma Membrane Phospholipids To Facilitate GLUT4 Trafficking in Adipocytes. <i>Molecular and Cellular Biology</i> , 2012, 32, 4946-4959.	2.3	58
26	Regulation of Glucose Transporter 4 Translocation by the Rab Guanosine Triphosphatase-Activating Protein AS160/TBC1D4: Role of Phosphorylation and Membrane Association. <i>Molecular Endocrinology</i> , 2008, 22, 2703-2715.	3.7	56
27	The first transmembrane region of complement component-9 acts as a brake on its self-assembly. <i>Nature Communications</i> , 2018, 9, 3266.	12.8	56
28	The Functions of Mediator in <i>Candida albicans</i> Support a Role in Shaping Species-Specific Gene Expression. <i>PLoS Genetics</i> , 2012, 8, e1002613.	3.5	50
29	High-fat diet increases autophagic flux in pancreatic beta cells in vivo and ex vivo in mice. <i>Diabetologia</i> , 2015, 58, 2074-2078.	6.3	50
30	Assembly of the secretion pores <sc>GspD</sc>, <sc>W</sc>za and <sc>CsgG</sc> into bacterial outer membranes does not require the <sc>O</sc>mp85 proteins <sc>BamA</sc> or <sc>TamA</sc>. <i>Molecular Microbiology</i> , 2015, 97, 616-629.	2.5	47
31	Zebrafish models for nemaline myopathy reveal a spectrum of nemaline bodies contributing to reduced muscle function. <i>Acta Neuropathologica</i> , 2015, 130, 389-406.	7.7	47
32	Deficiency in Apoptosis-Inducing Factor Recapitulates Chronic Kidney Disease via Aberrant Mitochondrial Homeostasis. <i>Diabetes</i> , 2016, 65, 1085-1098.	0.6	47
33	Cluster Analysis of Insulin Action in Adipocytes Reveals a Key Role for Akt at the Plasma Membrane. <i>Journal of Biological Chemistry</i> , 2010, 285, 2245-2257.	3.4	45
34	Variants in the Oxidoreductase PYROXD1 Cause Early-Onset Myopathy with Internalized Nuclei and Myofibrillar Disorganization. <i>American Journal of Human Genetics</i> , 2016, 99, 1086-1105.	6.2	45
35	Biogenesis of Insulin-Responsive GLUT4 Vesicles is Independent of Brefeldin A-Sensitive Trafficking. <i>Traffic</i> , 2000, 1, 652-660.	2.7	44
36	FLNC myofibrillar myopathy results from impaired autophagy and protein insufficiency. <i>Human Molecular Genetics</i> , 2016, 25, 2131-2142.	2.9	44

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37	Lung Basal Stem Cells Rapidly Repair DNA Damage Using the Error-Prone Nonhomologous End-Joining Pathway. <i>PLoS Biology</i> , 2017, 15, e2000731.	5.6	37
38	Deregulated Stat3 signaling dissociates pulmonary inflammation from emphysema in gp130 mutant mice. <i>American Journal of Physiology - Lung Cellular and Molecular Physiology</i> , 2012, 302, L627-L639.	2.9	35
39	Metabolic characteristics of CD8+ T cell subsets in young and aged individuals are not predictive of functionality. <i>Nature Communications</i> , 2020, 11, 2857.	12.8	33
40	Tetraspanin CD37 Regulates β 2 Integrin-Mediated Adhesion and Migration in Neutrophils. <i>Journal of Immunology</i> , 2015, 195, 5770-5779.	0.8	31
41	INPP4B promotes PI3K-dependent late endosome formation and Wnt/ β -catenin signaling in breast cancer. <i>Nature Communications</i> , 2021, 12, 3140.	12.8	30
42	Role for the <i>Burkholderia pseudomallei</i> Type Three Secretion System Cluster 1 bpscN Gene in Virulence. <i>Infection and Immunity</i> , 2011, 79, 3659-3664.	2.2	28
43	Overcoming Monocarboxylate Transporter 8 (MCT8)-Deficiency to Promote Human Oligodendrocyte Differentiation and Myelination. <i>EBioMedicine</i> , 2017, 25, 122-135.	6.1	27
44	Antifungal versus antibacterial defence of insect wings. <i>Journal of Colloid and Interface Science</i> , 2021, 603, 886-897.	9.4	27
45	KBTBD13 is an actin-binding protein that modulates muscle kinetics. <i>Journal of Clinical Investigation</i> , 2020, 130, 754-767.	8.2	25
46	Metformin rescues muscle function in BAG3 myofibrillar myopathy models. <i>Autophagy</i> , 2021, 17, 2494-2510.	9.1	22
47	Immuno Correlative Light and Electron Microscopy on Tokuyasu Cryosections. <i>Methods in Cell Biology</i> , 2014, 124, 241-258.	1.1	20
48	Testing of therapies in a novel nebulin nemaline myopathy model demonstrate a lack of efficacy. <i>Acta Neuropathologica Communications</i> , 2018, 6, 40.	5.2	19
49	Pharmacologic Reduction of Mitochondrial Iron Triggers a Noncanonical BAX/BAK-Dependent Cell Death. <i>Cancer Discovery</i> , 2022, 12, 774-791.	9.4	18
50	Dissecting the Mechanism of Insulin Resistance Using a Novel Heterodimerization Strategy to Activate Akt. <i>Journal of Biological Chemistry</i> , 2010, 285, 5232-5239.	3.4	16
51	An Improved Procedure for Subcellular Spatial Alignment during Live-Cell CLEM. <i>PLoS ONE</i> , 2014, 9, e95967.	2.5	16
52	Limiting Neuronal Nogo Receptor 1 Signaling during Experimental Autoimmune Encephalomyelitis Preserves Axonal Transport and Abrogates Inflammatory Demyelination. <i>Journal of Neuroscience</i> , 2019, 39, 5562-5580.	3.6	16
53	Mechanism of NanR gene repression and allosteric induction of bacterial sialic acid metabolism. <i>Nature Communications</i> , 2021, 12, 1988.	12.8	16
54	RNF41 regulates the damage recognition receptor Clec9A and antigen cross-presentation in mouse dendritic cells. <i>ELife</i> , 2020, 9, .	6.0	16

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55	Nonplasmacytoid, High IFN- γ -Producing, Bone Marrow Dendritic Cells. <i>Journal of Immunology</i> , 2012, 188, 3774-3783.	0.8	13
56	GLUT4 trafficking in a test tube. <i>Cell Metabolism</i> , 2005, 2, 150-152.	16.2	10
57	TEM, SEM, and STEM-based immuno-CLEM workflows offer complementary advantages. <i>Scientific Reports</i> , 2021, 11, 899.	3.3	9
58	The subcellular fractionation properties and function of insulin receptor substrate-1 (IRS-1) are independent of cytoskeletal integrity. <i>International Journal of Biochemistry and Cell Biology</i> , 2006, 38, 1686-1699.	2.8	8
59	An ultrastructural investigation of tumors undergoing regression mediated by immunotherapy. <i>Oncotarget</i> , 2017, 8, 115215-115229.	1.8	6
60	Live-Cell CLEM of Subcellular Targets. <i>Methods in Cell Biology</i> , 2014, 124, 275-303.	1.1	5
61	UL34 Deletion Restricts Human Cytomegalovirus Capsid Formation and Maturation. <i>International Journal of Molecular Sciences</i> , 2022, 23, 5773.	4.1	3
62	Electron Ptychography of Single Biological Macromolecules. <i>Microscopy and Microanalysis</i> , 2019, 25, 72-73.	0.4	2
63	HcRed, a Genetically Encoded Fluorescent Binary Cross-Linking Agent for Cross-Linking of Mitochondrial ATP Synthase in <i>Saccharomyces cerevisiae</i> . <i>PLoS ONE</i> , 2012, 7, e35095.	2.5	1
64	Methods in renal research: Measurement of autophagic flux in the renal cortex <i>ex vivo</i> . <i>Nephrology</i> , 2018, 23, 815-820.	1.6	1