

Marcus Krueger

List of Publications by Year in descending order

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73
papers

4,257
citations

109264

35
h-index

123376

61
g-index

76
all docs

76
docs citations

76
times ranked

8105
citing authors

#	ARTICLE	IF	CITATIONS
1	The Failing Heart Relies on Ketone Bodies as a Fuel. <i>Circulation</i> , 2016, 133, 698-705.	1.6	506
2	Acetylation-dependent regulation of endothelial Notch signalling by the SIRT1 deacetylase. <i>Nature</i> , 2011, 473, 234-238.	13.7	350
3	CerS6-Derived Sphingolipids Interact with Mff and Promote Mitochondrial Fragmentation in Obesity. <i>Cell</i> , 2019, 177, 1536-1552.e23.	13.5	183
4	Instant Clue: A Software Suite for Interactive Data Visualization and Analysis. <i>Scientific Reports</i> , 2018, 8, 12648.	1.6	174
5	The membrane scaffold SLP2 anchors a proteolytic hub in mitochondria containing PARL and the ϵ -AAA protease YME1L. <i>EMBO Reports</i> , 2016, 17, 1844-1856.	2.0	142
6	CLPP coordinates mitoribosomal assembly through the regulation of ERAL1 levels. <i>EMBO Journal</i> , 2016, 35, 2566-2583.	3.5	123
7	Lipid signalling drives proteolytic rewiring of mitochondria by YME1L. <i>Nature</i> , 2019, 575, 361-365.	13.7	116
8	PARL mediates Smac proteolytic maturation in mitochondria to promote apoptosis. <i>Nature Cell Biology</i> , 2017, 19, 318-328.	4.6	111
9	Nicotinamide for the treatment of heart failure with preserved ejection fraction. <i>Science Translational Medicine</i> , 2021, 13, .	5.8	109
10	Acylglycerol Kinase Mutated in Sengers Syndrome Is a Subunit of the TIM22 Protein Translocase in Mitochondria. <i>Molecular Cell</i> , 2017, 67, 471-483.e7.	4.5	104
11	UBQLN4 Represses Homologous Recombination and Is Overexpressed in Aggressive Tumors. <i>Cell</i> , 2019, 176, 505-519.e22.	13.5	100
12	Prmt5 is a regulator of muscle stem cell expansion in adult mice. <i>Nature Communications</i> , 2015, 6, 7140.	5.8	98
13	S6K1 Is Required for Increasing Skeletal Muscle Force during Hypertrophy. <i>Cell Reports</i> , 2016, 17, 501-513.	2.9	89
14	Sirt7 promotes adipogenesis in the mouse by inhibiting autocatalytic activation of Sirt1. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017, 114, E8352-E8361.	3.3	88
15	Food Perception Primes Hepatic ER Homeostasis via Melanocortin-Dependent Control of mTOR Activation. <i>Cell</i> , 2018, 175, 1321-1335.e20.	13.5	86
16	A microRNA-miR-129-5p/Rbfox crosstalk coordinates homeostatic downscaling of excitatory synapses. <i>EMBO Journal</i> , 2017, 36, 1770-1787.	3.5	85
17	Autophosphorylation at serine 166 regulates RIP kinase 1-mediated cell death and inflammation. <i>Nature Communications</i> , 2020, 11, 1747.	5.8	85
18	A Multi-layered Quantitative In Vivo Expression Atlas of the Podocyte Unravels Kidney Disease Candidate Genes. <i>Cell Reports</i> , 2018, 23, 2495-2508.	2.9	81

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19	On Marathons and Sprints: An Integrated Quantitative Proteomics and Transcriptomics Analysis of Differences Between Slow and Fast Muscle Fibers. <i>Molecular and Cellular Proteomics</i> , 2012, 11, M111.010801.	2.5	80
20	Deubiquitinase USP10 regulates Notch signaling in the endothelium. <i>Science</i> , 2019, 364, 188-193.	6.0	70
21	Axonal TDP-43 condensates drive neuromuscular junction disruption through inhibition of local synthesis of nuclear encoded mitochondrial proteins. <i>Nature Communications</i> , 2021, 12, 6914.	5.8	67
22	Small GTP-binding protein Ran is regulated by posttranslational lysine acetylation. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015, 112, E3679-88.	3.3	65
23	Rewiring of the ubiquitinated proteome determines ageing in <i>C. elegans</i> . <i>Nature</i> , 2021, 596, 285-290.	13.7	64
24	YAP-mediated mechanotransduction determines the podocyte's response to damage. <i>Science Signaling</i> , 2017, 10, .	1.6	61
25	Dynamic changes in the skeletal muscle proteome during denervation-induced atrophy. <i>DMM Disease Models and Mechanisms</i> , 2017, 10, 881-896.	1.2	59
26	ClpX stimulates the mitochondrial unfolded protein response (UPR ^{mt}) in mammalian cells. <i>Biochimica Et Biophysica Acta - Molecular Cell Research</i> , 2015, 1853, 2580-2591.	1.9	56
27	Basal and exercise induced label-free quantitative protein profiling of m. vastus lateralis in trained and untrained individuals. <i>Journal of Proteomics</i> , 2015, 122, 119-132.	1.2	55
28	Active Akt signaling triggers CLL toward Richter transformation via overactivation of Notch1. <i>Blood</i> , 2021, 137, 646-660.	0.6	55
29	SMG5-SMG7 authorize nonsense-mediated mRNA decay by enabling SMG6 endonucleolytic activity. <i>Nature Communications</i> , 2021, 12, 3965.	5.8	54
30	MiCEE is a ncRNA-protein complex that mediates epigenetic silencing and nucleolar organization. <i>Nature Genetics</i> , 2018, 50, 990-1001.	9.4	52
31	A microRNA screen reveals that elevated hepatic ectodysplasin A expression contributes to obesity-induced insulin resistance in skeletal muscle. <i>Nature Medicine</i> , 2017, 23, 1466-1473.	15.2	51
32	Structural and Mechanistic Insights into the Regulation of the Fundamental Rho Regulator RhoGDÍ± by Lysine Acetylation. <i>Journal of Biological Chemistry</i> , 2016, 291, 5484-5499.	1.6	45
33	Multilayered Reprogramming in Response to Persistent DNA Damage in <i>C. elegans</i> . <i>Cell Reports</i> , 2017, 20, 2026-2043.	2.9	44
34	Skeletal muscle mTORC1 regulates neuromuscular junction stability. <i>Journal of Cachexia, Sarcopenia and Muscle</i> , 2020, 11, 208-225.	2.9	43
35	Skeletal Muscle-Specific Methyltransferase METTL21C Trimethylates p97 and Regulates Autophagy-Associated Protein Breakdown. <i>Cell Reports</i> , 2018, 23, 1342-1356.	2.9	41
36	Distinct signalling properties of insulin receptor substrate (IRS)-1 and IRS-2 in mediating insulin/IGF-1 action. <i>Cellular Signalling</i> , 2018, 47, 1-15.	1.7	41

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37	Single Muscle Fiber Proteomics Reveals Distinct Protein Changes in Slow and Fast Fibers during Muscle Atrophy. <i>Journal of Proteome Research</i> , 2018, 17, 3333-3347.	1.8	41
38	CLUH granules coordinate translation of mitochondrial proteins with mTORC1 signaling and mitophagy. <i>EMBO Journal</i> , 2020, 39, e102731.	3.5	41
39	Regulation of titin-based cardiac stiffness by unfolded domain oxidation (UnDOx). <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020, 117, 24545-24556.	3.3	37
40	Dynamics of zebrafish fin regeneration using a pulsed SILAC approach. <i>Proteomics</i> , 2015, 15, 739-751.	1.3	35
41	Protein arginine methyltransferase 5 mediates enolase-1 cell surface trafficking in human lung adenocarcinoma cells. <i>Biochimica Et Biophysica Acta - Molecular Basis of Disease</i> , 2018, 1864, 1816-1827.	1.8	30
42	SIRT7-dependent deacetylation of NPM promotes p53 stabilization following UV-induced genotoxic stress. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021, 118, .	3.3	30
43	Exercise-dependent increases in protein synthesis are accompanied by chromatin modifications and increased MRTF- α signaling. <i>Acta Physiologica</i> , 2020, 230, e13496.	1.8	27
44	High-throughput proteomics fiber typing (ProFiT) for comprehensive characterization of single skeletal muscle fibers. <i>Skeletal Muscle</i> , 2020, 10, 7.	1.9	27
45	Neurovascular EGFL7 regulates adult neurogenesis in the subventricular zone and thereby affects olfactory perception. <i>Nature Communications</i> , 2017, 8, 15922.	5.8	24
46	Cardiac β -Actin (<i>ACTC1</i>) Gene Mutation Causes Atrial-Septal Defects Associated With Late-Onset Dilated Cardiomyopathy. <i>Circulation Genomic and Precision Medicine</i> , 2019, 12, e002491.	1.6	23
47	FGF21 modulates mitochondrial stress response in cardiomyocytes only under mild mitochondrial dysfunction. <i>Science Advances</i> , 2022, 8, eabn7105.	4.7	23
48	Sirt7 stabilizes rDNA heterochromatin through recruitment of DNMT1 and Sirt1. <i>Biochemical and Biophysical Research Communications</i> , 2017, 492, 434-440.	1.0	22
49	Digenic inheritance of mutations in EPHA2 and SLC26A4 in Pendred syndrome. <i>Nature Communications</i> , 2020, 11, 1343.	5.8	22
50	Proteomics/phosphoproteomics of left ventricular biopsies from patients with surgical coronary revascularization and pigs with coronary occlusion/reperfusion: remote ischemic preconditioning. <i>Scientific Reports</i> , 2017, 7, 7629.	1.6	19
51	The Fat Mass and Obesity-Associated Protein (FTO) Regulates Locomotor Responses to Novelty via D2R Medium Spiny Neurons. <i>Cell Reports</i> , 2019, 27, 3182-3198.e9.	2.9	19
52	Accelerated lysine metabolism conveys kidney protection in salt-sensitive hypertension. <i>Nature Communications</i> , 2022, 13, .	5.8	18
53	Role of LTBP4 in alveolarization, angiogenesis, and fibrosis in lungs. <i>American Journal of Physiology - Lung Cellular and Molecular Physiology</i> , 2017, 313, L687-L698.	1.3	17
54	Mitochondrial respiratory chain function promotes extracellular matrix integrity in cartilage. <i>Journal of Biological Chemistry</i> , 2021, 297, 101224.	1.6	16

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55	Stage-specific testes proteomics of <i>Drosophila melanogaster</i> identifies essential proteins for male fertility. <i>European Journal of Cell Biology</i> , 2019, 98, 103-115.	1.6	14
56	Assessment of Serum Protein Dynamics by Native SILAC Flooding (SILflood). <i>Analytical Chemistry</i> , 2014, 86, 11033-11037.	3.2	13
57	ULK1/2 Restricts the Formation of Inducible SINT-Speckles, Membraneless Organelles Controlling the Threshold of TBK1 Activation. <i>IScience</i> , 2019, 19, 527-544.	1.9	13
58	Raptor is critical for increasing the mitochondrial proteome and skeletal muscle force during hypertrophy. <i>FASEB Journal</i> , 2021, 35, e22031.	0.2	12
59	Extracellular vesicles and PD-L1 suppress macrophages, inducing therapy resistance in TP53-deficient B-cell malignancies. <i>Blood</i> , 2022, 139, 3617-3629.	0.6	12
60	IQGAP3, a YAP Target, Is Required for Proper Cell-Cycle Progression and Genome Stability. <i>Molecular Cancer Research</i> , 2021, 19, 1712-1726.	1.5	11
61	Cell-permeable Caa-peptides affect RAS downstream signaling and promote cell death in cancer cells. <i>FEBS Journal</i> , 2021, 288, 2911-2929.	2.2	10
62	Phosphoproteomics of the developing heart identifies PERM1 - An outer mitochondrial membrane protein. <i>Journal of Molecular and Cellular Cardiology</i> , 2021, 154, 41-59.	0.9	9
63	Single-dose ethanol intoxication causes acute and lasting neuronal changes in the brain. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2022, 119, .	3.3	9
64	A heterotypic assembly mechanism regulates CHIP E3 ligase activity. <i>EMBO Journal</i> , 2022, 41, .	3.5	9
65	RASSF10 Is a TGF β -Target That Regulates ASPP2 and E-Cadherin Expression and Acts as Tumor Suppressor That Is Epigenetically Downregulated in Advanced Cancer. <i>Cancers</i> , 2019, 11, 1976.	1.7	8
66	Adipose MDM2 regulates systemic insulin sensitivity. <i>Scientific Reports</i> , 2021, 11, 21839.	1.6	7
67	PERM1 interacts with the MICOS-MIB complex to connect the mitochondria and sarcolemma via ankyrin B. <i>Nature Communications</i> , 2021, 12, 4900.	5.8	6
68	Proteomics of Galápagos Marine Iguanas Links Function of Femoral Gland Proteins to the Immune System. <i>Molecular and Cellular Proteomics</i> , 2020, 19, 1523-1532.	2.5	5
69	Depletion of Numb and Numlike in Murine Lung Epithelial Cells Ameliorates Bleomycin-Induced Lung Fibrosis by Inhibiting the β -Catenin Signaling Pathway. <i>Frontiers in Cell and Developmental Biology</i> , 2021, 9, 639162.	1.8	5
70	N471D WASH complex subunit strumpellin knock-in mice display mild motor and cardiac abnormalities and BPTF and KLHL11 dysregulation in brain tissue. <i>Neuropathology and Applied Neurobiology</i> , 2022, 48, .	1.8	4
71	Low kindlin-3 levels in osteoclasts of kindlin-3 hypomorphic mice result in osteopetrosis due to leaky sealing zones. <i>Journal of Cell Science</i> , 2021, 134, .	1.2	2
72	Characterization of lipid structures in femoral secretions of Galápagos marine iguanas by shotgun lipidomics. <i>Chemoecology</i> , 2018, 28, 21-28.	0.6	1

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73	Single cell RNA sequencing identifies mitochondrial respiration as a key factor contributing to extracellular matrix integrity. <i>Osteologie</i> , 2021, 30, .	0.1	0