

Johan Auwerx

List of Publications by Year in descending order

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Version: 2024-02-01

340
papers

66,601
citations

558

126
h-index

799

247
g-index

355
all docs

355
docs citations

355
times ranked

66553
citing authors

#	ARTICLE	IF	CITATIONS
1	Direct supplementation with Urolithin A overcomes limitations of dietary exposure and gut microbiome variability in healthy adults to achieve consistent levels across the population. <i>European Journal of Clinical Nutrition</i> , 2022, 76, 297-308.	2.9	38
2	Multi-omics analysis identifies essential regulators of mitochondrial stress response in two wild-type <i>C.Ælegans</i> strains. <i>IScience</i> , 2022, 25, 103734.	4.1	9
3	Inhibition of sphingolipid de novo synthesis counteracts muscular dystrophy. <i>Science Advances</i> , 2022, 8, eabh4423.	10.3	18
4	GCN5 maintains muscle integrity by acetylating YY1 to promote dystrophin expression. <i>Journal of Cell Biology</i> , 2022, 221, .	5.2	8
5	The mouse metallomic landscape of aging and metabolism. <i>Nature Communications</i> , 2022, 13, 607.	12.8	18
6	Sirtuin 7 Deficiency Reduces Inflammation and Tubular Damage Induced by an Episode of Acute Kidney Injury. <i>International Journal of Molecular Sciences</i> , 2022, 23, 2573.	4.1	12
7	Pleiotropic effects of mitochondria in aging. <i>Nature Aging</i> , 2022, 2, 199-213.	11.6	66
8	eNAMPT actions through nucleus accumbens NAD ⁺ /SIRT1 link increased adiposity with sociability deficits programmed by peripuberty stress. <i>Science Advances</i> , 2022, 8, eabj9109.	10.3	20
9	Urolithin A improves muscle strength, exercise performance, and biomarkers of mitochondrial health in a randomized trial in middle-aged adults. <i>Cell Reports Medicine</i> , 2022, 3, 100633.	6.5	55
10	Genetic background and sex control the outcome of high-fat diet feeding in mice. <i>IScience</i> , 2022, 25, 104468.	4.1	14
11	The Slc25a47 locus is a novel determinant of hepatic mitochondrial function implicated in liver fibrosis. <i>Journal of Hepatology</i> , 2022, 77, 1071-1082.	3.7	10
12	TGR5/Cathepsin E signaling regulates macrophage innate immune activation in liver ischemia and reperfusion injury. <i>American Journal of Transplantation</i> , 2021, 21, 1453-1464.	4.7	24
13	Pancreatic Sirtuin 3 Deficiency Promotes Hepatic Steatosis by Enhancing 5-Hydroxytryptamine Synthesis in Mice With Diet-Induced Obesity. <i>Diabetes</i> , 2021, 70, 119-131.	0.6	10
14	Differential role of nicotinamide adenine dinucleotide deficiency in acute and chronic kidney disease. <i>Nephrology Dialysis Transplantation</i> , 2021, 36, 60-68.	0.7	35
15	Pharmacological and genetic perturbation establish SIRT5 as a promising target in breast cancer. <i>Oncogene</i> , 2021, 40, 1644-1658.	5.9	45
16	NAD ⁺ boosting reduces age-associated amyloidosis and restores mitochondrial homeostasis in muscle. <i>Cell Reports</i> , 2021, 34, 108660.	6.4	42
17	The transcriptional coactivator CBP/p300 is an evolutionarily conserved node that promotes longevity in response to mitochondrial stress. <i>Nature Aging</i> , 2021, 1, 165-178.	11.6	49
18	Nicotinamide Riboside Enhances In Vitro Beta-adrenergic Brown Adipose Tissue Activity in Humans. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2021, 106, 1437-1447.	3.6	17

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19	SIRT7 modulates the stability and activity of the renal K ⁺ Cl ⁻ cotransporter KCC4 through deacetylation. EMBO Reports, 2021, 22, e50766.	4.5	11
20	A platform for experimental precision medicine: The extended BXD mouse family. Cell Systems, 2021, 12, 235-247.e9.	6.2	115
21	Differential roles of GDF15 and FGF21 in systemic metabolic adaptation to the mitochondrial integrated stress response. IScience, 2021, 24, 102181.	4.1	45
22	Urolithin A improves muscle function by inducing mitophagy in muscular dystrophy. Science Translational Medicine, 2021, 13, .	12.4	93
23	Metabolic Rewiring by Loss of Sirt5 Promotes Kras-Induced Pancreatic Cancer Progression. Gastroenterology, 2021, 161, 1584-1600.	1.3	50
24	Impact of the Natural Compound Urolithin A on Health, Disease, and Aging. Trends in Molecular Medicine, 2021, 27, 687-699.	6.7	166
25	Gene-by-environment modulation of lifespan and weight gain in the murine BXD family. Nature Metabolism, 2021, 3, 1217-1227.	11.9	27
26	Phalloidin Staining of Actin Filaments for Visualization of Muscle Fibers in Caenorhabditis elegans. Bio-protocol, 2021, 11, e4183.	0.4	9
27	The exercise-induced long noncoding RNA <i>CYTOR</i> promotes fast-twitch myogenesis in aging. Science Translational Medicine, 2021, 13, eabc7367.	12.4	19
28	Acute RyR1 Ca ²⁺ leak enhances NADH-linked mitochondrial respiratory capacity. Nature Communications, 2021, 12, 7219.	12.8	17
29	Mitochondrial Deacetylase Sirt3 Reduces Vascular Dysfunction and Hypertension While Sirt3 Depletion in Essential Hypertension Is Linked to Vascular Inflammation and Oxidative Stress. Circulation Research, 2020, 126, 439-452.	4.5	195
30	Nicotinamide Pathway-Dependent Sirt1 Activation Restores Calcium Homeostasis to Achieve Neuroprotection in Spinocerebellar Ataxia Type 7. Neuron, 2020, 105, 630-644.e9.	8.1	63
31	Asperuloside Improves Obesity and Type 2 Diabetes through Modulation of Gut Microbiota and Metabolic Signaling. IScience, 2020, 23, 101522.	4.1	21
32	The Gene-Regulatory Footprint of Aging Highlights Conserved Central Regulators. Cell Reports, 2020, 32, 108203.	6.4	23
33	Growth differentiation factor 15 protects against the aging-mediated systemic inflammatory response in humans and mice. Aging Cell, 2020, 19, e13195.	6.7	64
34	PHD3 Loss Promotes Exercise Capacity and Fat Oxidation in Skeletal Muscle. Cell Metabolism, 2020, 32, 215-228.e7.	16.2	22
35	NCoR1 Protects Mice From Dextran Sodium Sulfate-Induced Colitis by Guarding Colonic Crypt Cells From Luminal Insult. Cellular and Molecular Gastroenterology and Hepatology, 2020, 10, 133-147.	4.5	11
36	Enoxacin induces oxidative metabolism and mitigates obesity by regulating adipose tissue miRNA expression. Science Advances, 2020, 6, .	10.3	21

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37	Macrophage NCOR1 Deficiency Ameliorates Myocardial Infarction and Neointimal Hyperplasia in Mice. <i>Journal of the American Heart Association</i> , 2020, 9, e015862.	3.7	18
38	Skeletal muscle enhancer interactions identify genes controlling whole-body metabolism. <i>Nature Communications</i> , 2020, 11, 2695.	12.8	29
39	Gene replacement therapy provides benefit in an adult mouse model of Leigh syndrome. <i>Brain</i> , 2020, 143, 1686-1696.	7.6	27
40	Eosinophils regulate adipose tissue inflammation and sustain physical and immunological fitness in old age. <i>Nature Metabolism</i> , 2020, 2, 688-702.	11.9	64
41	Mouse Systems Genetics as a Prelude to Precision Medicine. <i>Trends in Genetics</i> , 2020, 36, 259-272.	6.7	41
42	NAD ⁺ homeostasis in health and disease. <i>Nature Metabolism</i> , 2020, 2, 9-31.	11.9	351
43	Sirt6 deletion in bone marrow-derived cells increases atherosclerosis – Central role of macrophage scavenger receptor 1. <i>Journal of Molecular and Cellular Cardiology</i> , 2020, 139, 24-32.	1.9	26
44	Evaluation of the NAD ⁺ biosynthetic pathway in ALS patients and effect of modulating NAD ⁺ levels in hSOD1-linked ALS mouse models. <i>Experimental Neurology</i> , 2020, 327, 113219.	4.1	48
45	Nicotinamide riboside supplementation alters body composition and skeletal muscle acetylcarnitine concentrations in healthy obese humans. <i>American Journal of Clinical Nutrition</i> , 2020, 112, 413-426.	4.7	96
46	TGR5 Regulates Macrophage Inflammation in Nonalcoholic Steatohepatitis by Modulating NLRP3 Inflammasome Activation. <i>Frontiers in Immunology</i> , 2020, 11, 609060.	4.8	47
47	Confounding factors from inducible systems for spatiotemporal gene expression regulation. <i>Journal of Cell Biology</i> , 2020, 219, .	5.2	23
48	Long noncoding RNA <i>SNHG12</i> integrates a DNA-PK ϵ -mediated DNA damage response and vascular senescence. <i>Science Translational Medicine</i> , 2020, 12, .	12.4	91
49	Inhibition of mitophagy drives macrophage activation and antibacterial defense during sepsis. <i>Journal of Clinical Investigation</i> , 2020, 130, 5858-5874.	8.2	87
50	TBK1 phosphorylates mutant Huntingtin and suppresses its aggregation and toxicity in Huntington's disease models. <i>EMBO Journal</i> , 2020, 39, e104671.	7.8	34
51	Fine-Tuning of PGC1 α Expression Regulates Cardiac Function and Longevity. <i>Circulation Research</i> , 2019, 125, 707-719.	4.5	47
52	The gut microbiota influences skeletal muscle mass and function in mice. <i>Science Translational Medicine</i> , 2019, 11, .	12.4	271
53	Cross-species functional modules link proteostasis to human normal aging. <i>PLoS Computational Biology</i> , 2019, 15, e1007162.	3.2	11
54	N ^{acetyl} aspartate availability is essential for juvenile survival on fat-free diet and determines metabolic health. <i>FASEB Journal</i> , 2019, 33, 13808-13824.	0.5	6

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55	Diet modulates cecum bacterial diversity and physiological phenotypes across the BXD mouse genetic reference population. PLoS ONE, 2019, 14, e0224100.	2.5	6
56	Mitocellular communication: Shaping health and disease. Science, 2019, 366, 827-832.	12.6	154
57	Nuclear receptor corepressor 1 represses cardiac hypertrophy. EMBO Molecular Medicine, 2019, 11, e9127.	6.9	25
58	The RNA-Binding Protein PUM2 Impairs Mitochondrial Dynamics and Mitophagy During Aging. Molecular Cell, 2019, 73, 775-787.e10.	9.7	100
59	Opposing action of NCoR1 and PGC-1 β in mitochondrial redox homeostasis. Free Radical Biology and Medicine, 2019, 143, 203-208.	2.9	9
60	Automated High-Content Phenotyping of the Nematode C. Elegans at Single Animal Resolution with a Microfluidic Platform. , 2019, , .		1
61	Automated Platform for Long-Term Culture and High-Content Phenotyping of Single C. elegans Worms. Scientific Reports, 2019, 9, 14340.	3.3	15
62	Mild inborn errors of metabolism in commonly used inbred mouse strains. Molecular Genetics and Metabolism, 2019, 126, 388-396.	1.1	14
63	The virtuous cycle of human genetics and mouse models in drug discovery. Nature Reviews Drug Discovery, 2019, 18, 255-272.	46.4	44
64	Automated high-content phenotyping from the first larval stage till the onset of adulthood of the nematode Caenorhabditis elegans. Lab on A Chip, 2019, 19, 120-135.	6.0	16
65	The mitophagy activator urolithin A is safe and induces a molecular signature of improved mitochondrial and cellular health in humans. Nature Metabolism, 2019, 1, 595-603.	11.9	302
66	The nuclear receptor corepressor NCoR1 regulates hematopoiesis and leukemogenesis in vivo. Blood Advances, 2019, 3, 644-657.	5.2	14
67	The NAD-Booster Nicotinamide Riboside Potently Stimulates Hematopoiesis through Increased Mitochondrial Clearance. Cell Stem Cell, 2019, 24, 405-418.e7.	11.1	143
68	Autophagy regulates lipid metabolism through selective turnover of NCoR1. Nature Communications, 2019, 10, 1567.	12.8	143
69	Niacin: an old lipid drug in a new NAD ⁺ dress. Journal of Lipid Research, 2019, 60, 741-746.	4.2	40
70	The Detection of Early Epigenetic Inheritance of Mitochondrial Stress in C. Elegans with a Microfluidic Phenotyping Platform. Scientific Reports, 2019, 9, 19315.	3.3	2
71	Identifying gene function and module connections by the integration of multispecies expression compendia. Genome Research, 2019, 29, 2034-2045.	5.5	36
72	Mitochondrial haplotypes affect metabolic phenotypes in the Drosophila Genetic Reference Panel. Nature Metabolism, 2019, 1, 1226-1242.	11.9	11

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73	A biosensor for measuring NAD ⁺ levels at the point of care. <i>Nature Metabolism</i> , 2019, 1, 1219-1225.	11.9	37
74	MicroRNA-382 silencing induces a mitonuclear protein imbalance and activates the mitochondrial unfolded protein response in muscle cells. <i>Journal of Cellular Physiology</i> , 2019, 234, 6601-6610.	4.1	19
75	Reduced oxidative capacity in macrophages results in systemic insulin resistance. <i>Nature Communications</i> , 2018, 9, 1551.	12.8	114
76	Enhanced longevity and metabolism by brown adipose tissue with disruption of the regulator of G protein signaling 14. <i>Aging Cell</i> , 2018, 17, e12751.	6.7	35
77	Increased cardiac fatty acid oxidation in a mouse model with decreased malonyl-CoA sensitivity of CPT1B. <i>Cardiovascular Research</i> , 2018, 114, 1324-1334.	3.8	37
78	The role of mitochondria in stem cell fate and aging. <i>Development (Cambridge)</i> , 2018, 145, .	2.5	199
79	Genetic cartography of longevity in humans and mice: Current landscape and horizons. <i>Biochimica Et Biophysica Acta - Molecular Basis of Disease</i> , 2018, 1864, 2718-2732.	3.8	27
80	Loss of Sirt3 accelerates arterial thrombosis by increasing formation of neutrophil extracellular traps and plasma tissue factor activity. <i>Cardiovascular Research</i> , 2018, 114, 1178-1188.	3.8	44
81	Î±-Amino-Î²-carboxymuconate-Î³-semialdehyde Decarboxylase (ACMSD) Inhibitors as Novel Modulators of De Novo Nicotinamide Adenine Dinucleotide (NAD ⁺) Biosynthesis. <i>Journal of Medicinal Chemistry</i> , 2018, 61, 745-759.	6.4	34
82	NAD ⁺ + Modulation. , 2018, , 27-44.		0
83	Increased Hepatic PDGF-AA Signaling Mediates Liver Insulin Resistance in Obesity-Associated Type 2 Diabetes. <i>Diabetes</i> , 2018, 67, 1310-1321.	0.6	64
84	ERRÎ³ Preserves Brown Fat Innate Thermogenic Activity. <i>Cell Reports</i> , 2018, 22, 2849-2859.	6.4	30
85	Repairing Mitochondrial Dysfunction in Disease. <i>Annual Review of Pharmacology and Toxicology</i> , 2018, 58, 353-389.	9.4	198
86	Oxidative stress and mitochondrial dynamics malfunction are linked in ^Pelizaesusâ€œ^Merzbacher disease. <i>Brain Pathology</i> , 2018, 28, 611-630.	4.1	15
87	TRANSLATING UROLITHIN A BENEFITS ON MUSCLE MITOCHONDRIA TO HUMANS. <i>Innovation in Aging</i> , 2018, 2, 92-93.	0.1	1
88	De novo NAD ⁺ synthesis enhances mitochondrial function and improves health. <i>Nature</i> , 2018, 563, 354-359.	27.8	302
89	Microfluidics-enabled phenotyping of a whole population of <i>C. elegans</i> worms over their embryonic and post-embryonic development at single-organism resolution. <i>Microsystems and Nanoengineering</i> , 2018, 4, 6.	7.0	26
90	Quantifying and Localizing the Mitochondrial Proteome Across Five Tissues in A Mouse Population. <i>Molecular and Cellular Proteomics</i> , 2018, 17, 1766-1777.	3.8	50

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91	GRAM domain proteins specialize functionally distinct ER-PM contact sites in human cells. <i>ELife</i> , 2018, 7, .	6.0	96
92	Mitochondrial function is impaired in the skeletal muscle of pre-frail elderly. <i>Scientific Reports</i> , 2018, 8, 8548.	3.3	76
93	Genetic Regulation of Plasma Lipid Species and Their Association with Metabolic Phenotypes. <i>Cell Systems</i> , 2018, 6, 709-721.e6.	6.2	52
94	Systems Analyses Reveal Physiological Roles and Genetic Regulators of Liver Lipid Species. <i>Cell Systems</i> , 2018, 6, 722-733.e6.	6.2	54
95	An Integrated Systems Genetics and Omics Toolkit to Probe Gene Function. <i>Cell Systems</i> , 2018, 6, 90-102.e4.	6.2	47
96	Multimodal imaging and high-throughput image-processing for drug screening on living organisms on-chip. <i>Journal of Biomedical Optics</i> , 2018, 24, 1.	2.6	8
97	Reversible and long-term immobilization in a hydrogel-microbead matrix for high-resolution imaging of <i>Caenorhabditis elegans</i> and other small organisms. <i>PLoS ONE</i> , 2018, 13, e0193989.	2.5	25
98	A microfluidic array for high-content screening at whole-organism resolution. , 2018, , .		1
99	Parkin functionally interacts with PGC-1 α to preserve mitochondria and protect dopaminergic neuron <i>s</i> . <i>Human Molecular Genetics</i> , 2017, 26, ddw418.	2.9	50
100	Intestinal NCoR1, a regulator of epithelial cell maturation, controls neonatal hyperbilirubinemia. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017, 114, E1432-E1440.	7.1	17
101	Analysis of mtDNA/nDNA Ratio in Mice. <i>Current Protocols in Mouse Biology</i> , 2017, 7, 47-54.	1.2	256
102	Mitochondria and Epigenetics “ Crosstalk in Homeostasis and Stress. <i>Trends in Cell Biology</i> , 2017, 27, 453-463.	7.9	256
103	PPAR γ Promotes Running Endurance by Preserving Glucose. <i>Cell Metabolism</i> , 2017, 25, 1186-1193.e4.	16.2	154
104	A homozygous missense mutation in ERAL1, encoding a mitochondrial rRNA chaperone, causes Perrault syndrome. <i>Human Molecular Genetics</i> , 2017, 26, 2541-2550.	2.9	61
105	Enhanced Respiratory Chain Supercomplex Formation in Response to Exercise in Human Skeletal Muscle. <i>Cell Metabolism</i> , 2017, 25, 301-311.	16.2	213
106	Sirtuin 3 deficiency does not alter host defenses against bacterial and fungal infections. <i>Scientific Reports</i> , 2017, 7, 3853.	3.3	31
107	Cytosolic Proteostasis Networks of the Mitochondrial Stress Response. <i>Trends in Biochemical Sciences</i> , 2017, 42, 712-725.	7.5	99
108	Multi-omics analysis identifies ATF4 as a key regulator of the mitochondrial stress response in mammals. <i>Journal of Cell Biology</i> , 2017, 216, 2027-2045.	5.2	590

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109	Growth differentiation factor 15 is a myomitokine governing systemic energy homeostasis. <i>Journal of Cell Biology</i> , 2017, 216, 149-165.	5.2	250
110	An unbiased silencing screen in muscle cells identifies miR-320a, miR-150, miR-196b, and miR-34c as regulators of skeletal muscle mitochondrial metabolism. <i>Molecular Metabolism</i> , 2017, 6, 1429-1442.	6.5	21
111	Systems Phytohormone Responses to Mitochondrial Proteotoxic Stress. <i>Molecular Cell</i> , 2017, 68, 540-551.e5.	9.7	47
112	NCoR1 restrains thymic negative selection by repressing Bim expression to spare thymocytes undergoing positive selection. <i>Nature Communications</i> , 2017, 8, 959.	12.8	17
113	Fas cell surface death receptor controls hepatic lipid metabolism by regulating mitochondrial function. <i>Nature Communications</i> , 2017, 8, 480.	12.8	40
114	Degradation of PHLPP2 by KCTD17, via a Glucagon-Dependent Pathway, Promotes Hepatic Steatosis. <i>Gastroenterology</i> , 2017, 153, 1568-1580.e10.	1.3	25
115	Bayesian association scan reveals loci associated with human lifespan and linked biomarkers. <i>Nature Communications</i> , 2017, 8, 15842.	12.8	64
116	Modulating NAD^+ metabolism, from bench to bedside. <i>EMBO Journal</i> , 2017, 36, 2670-2683.	7.8	174
117	The corepressor NCOR1 regulates the survival of single-positive thymocytes. <i>Scientific Reports</i> , 2017, 7, 15928.	3.3	14
118	Deguelin exerts potent nematocidal activity via the mitochondrial respiratory chain. <i>FASEB Journal</i> , 2017, 31, 4515-4532.	0.5	25
119	PARP inhibition protects against alcoholic and non-alcoholic steatohepatitis. <i>Journal of Hepatology</i> , 2017, 66, 589-600.	3.7	116
120	Plasma membrane-bound G protein-coupled bile acid receptor attenuates liver ischemia/reperfusion injury via the inhibition of toll-like receptor 4 signaling in mice. <i>Liver Transplantation</i> , 2017, 23, 63-74.	2.4	41
121	Inhibiting poly ADP-ribosylation increases fatty acid oxidation and protects against fatty liver disease. <i>Journal of Hepatology</i> , 2017, 66, 132-141.	3.7	115
122	The chromatin remodeling factor ISW-1 integrates organismal responses against nuclear and mitochondrial stress. <i>Nature Communications</i> , 2017, 8, 1818.	12.8	30
123	Sirtuin 2 Deficiency Increases Bacterial Phagocytosis by Macrophages and Protects from Chronic Staphylococcal Infection. <i>Frontiers in Immunology</i> , 2017, 8, 1037.	4.8	48
124	Label-free three-dimensional imaging of <i>Caenorhabditis elegans</i> with visible optical coherence microscopy. <i>PLoS ONE</i> , 2017, 12, e0181676.	2.5	3
125	Enhancing mitochondrial proteostasis reduces amyloid- β proteotoxicity. <i>Nature</i> , 2017, 552, 187-193.	27.8	471
126	Urolithin A induces mitophagy and prolongs lifespan in <i>C. elegans</i> and increases muscle function in rodents. <i>Nature Medicine</i> , 2016, 22, 879-888.	30.7	668

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127	Metabolomics-assisted proteomics identifies succinylation and SIRT5 as important regulators of cardiac function. Proceedings of the National Academy of Sciences of the United States of America, 2016, 113, 4320-4325.	7.1	263
128	KAT2B Is Required for Pancreatic Beta Cell Adaptation to Metabolic Stress by Controlling the Unfolded Protein Response. Cell Reports, 2016, 15, 1051-1061.	6.4	22
129	Two Conserved Histone Demethylases Regulate Mitochondrial Stress-Induced Longevity. Cell, 2016, 165, 1209-1223.	28.9	279
130	NAD ⁺ repletion improves mitochondrial and stem cell function and enhances life span in mice. Science, 2016, 352, 1436-1443.	12.6	907
131	Mild endothelial dysfunction in Sirt3 knockout mice fed a high-cholesterol diet: protective role of a novel C/EBP- β -dependent feedback regulation of SOD2. Basic Research in Cardiology, 2016, 111, 33.	5.9	28
132	The Movement Tracker: A Flexible System for Automated Movement Analysis in Invertebrate Model Organisms. Current Protocols in Neuroscience, 2016, 77, 8.37.1-8.37.21.	2.6	15
133	A screening-based platform for the assessment of cellular respiration in Caenorhabditis elegans. Nature Protocols, 2016, 11, 1798-1816.	12.0	133
134	Sirtuins as Metabolic Modulators of Muscle Plasticity. , 2016, , 191-211.		0
135	NAD ⁺ repletion improves muscle function in muscular dystrophy and counters global PARylation. Science Translational Medicine, 2016, 8, 361ra139.	12.4	208
136	NRK1 controls nicotinamide mononucleotide and nicotinamide riboside metabolism in mammalian cells. Nature Communications, 2016, 7, 13103.	12.8	261
137	Specification of haematopoietic stem cell fate via modulation of mitochondrial activity. Nature Communications, 2016, 7, 13125.	12.8	206
138	Analysis of Mitochondrial Respiratory Chain Supercomplexes Using Blue Native Polyacrylamide Gel Electrophoresis (BN-PAGE). Current Protocols in Mouse Biology, 2016, 6, 1-14.	1.2	212
139	Joint mouse-human phenome-wide association to test gene function and disease risk. Nature Communications, 2016, 7, 10464.	12.8	190
140	Systems proteomics of liver mitochondria function. Science, 2016, 352, aad0189.	12.6	257
141	Automated longitudinal monitoring of in vivo protein aggregation in neurodegenerative disease C. elegans models. Molecular Neurodegeneration, 2016, 11, 17.	10.8	42
142	LRH-1-dependent programming of mitochondrial glutamine processing drives liver cancer. Genes and Development, 2016, 30, 1255-1260.	5.9	56
143	Eliciting the mitochondrial unfolded protein response by nicotinamide adenine dinucleotide repletion reverses fatty liver disease in mice. Hepatology, 2016, 63, 1190-1204.	7.3	289
144	Mitochondrial communication in homeostasis and stress. Nature Reviews Molecular Cell Biology, 2016, 17, 213-226.	37.0	533

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145	Miniaturized implantable sensors for in vivo localized temperature measurements in mice during cold exposure. <i>Biomedical Microdevices</i> , 2016, 18, 1.	2.8	66
146	Protein acetylation in metabolism – metabolites and cofactors. <i>Nature Reviews Endocrinology</i> , 2016, 12, 43-60.	9.6	236
147	Type 5 adenylyl cyclase disruption leads to enhanced exercise performance. <i>Aging Cell</i> , 2015, 14, 1075-1084.	6.7	13
148	An automated microfluidic platform for <i>C. elegans</i> embryo arraying, phenotyping, and long-term live imaging. <i>Scientific Reports</i> , 2015, 5, 10192.	3.3	57
149	Phosphorylation of the nuclear receptor corepressor 1 by protein kinase B switches its corepressor targets in the liver in mice. <i>Hepatology</i> , 2015, 62, 1606-1618.	7.3	46
150	The Sirt1 activator SRT3025 provides atheroprotection in ApoE ^{-/-} mice by reducing hepatic Pcsk9 secretion and enhancing Ldlr expression. <i>European Heart Journal</i> , 2015, 36, 51-59.	2.2	117
151	Antibiotic use and abuse: A threat to mitochondria and chloroplasts with impact on research, health, and environment. <i>BioEssays</i> , 2015, 37, 1045-1053.	2.5	108
152	The mitochondrial unfolded protein response – synchronizing genomes. <i>Current Opinion in Cell Biology</i> , 2015, 33, 74-81.	5.4	111
153	PON3 knockout mice are susceptible to obesity, gallstone formation, and atherosclerosis. <i>FASEB Journal</i> , 2015, 29, 1185-1197.	0.5	38
154	The Convergence of Systems and Reductionist Approaches in Complex Trait Analysis. <i>Cell</i> , 2015, 162, 23-32.	28.9	75
155	Protective effects of sirtuins in cardiovascular diseases: from bench to bedside. <i>European Heart Journal</i> , 2015, 36, 3404-3412.	2.2	354
156	NAD ⁺ Metabolism and the Control of Energy Homeostasis: A Balancing Act between Mitochondria and the Nucleus. <i>Cell Metabolism</i> , 2015, 22, 31-53.	16.2	1,153
157	Gene Expression Mapping of Histone Deacetylases and Co-factors and Correlation with Survival Time and 1H-HRMAS Metabolomic Profile in Human Gliomas. <i>Scientific Reports</i> , 2015, 5, 9087.	3.3	28
158	Intestinal steroidogenesis controls PPAR γ expression in the colon and is impaired during ulcerative colitis. <i>Gut</i> , 2015, 64, 901-910.	12.1	47
159	ARTD1-induced poly-ADP-ribose formation enhances PPAR γ ligand binding and co-factor exchange. <i>Nucleic Acids Research</i> , 2015, 43, 129-142.	14.5	46
160	Editorial overview: Cell regulation: Cell biology, fueling a renaissance in metabolism. <i>Current Opinion in Cell Biology</i> , 2015, 33, vii-viii.	5.4	0
161	Tetracyclines Disturb Mitochondrial Function across Eukaryotic Models: A Call for Caution in Biomedical Research. <i>Cell Reports</i> , 2015, 10, 1681-1691.	6.4	385
162	Dependence of Hippocampal Function on ERR α -Regulated Mitochondrial Metabolism. <i>Cell Metabolism</i> , 2015, 21, 628-636.	16.2	45

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163	Tetracycline Antibiotics Impair Mitochondrial Function and Its Experimental Use Confounds Research. <i>Cancer Research</i> , 2015, 75, 4446-4449.	0.9	112
164	Loss of the RNA polymerase III repressor MAF1 confers obesity resistance. <i>Genes and Development</i> , 2015, 29, 934-947.	5.9	99
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