

Kim Zarse

List of Publications by Year in descending order

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42
papers

5,267
citations

201385

27
h-index

264894

42
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42
all docs

42
docs citations

42
times ranked

7762
citing authors

#	ARTICLE	IF	CITATIONS
1	Grainyhead 1 acts as a drug-inducible conserved transcriptional regulator linked to insulin signaling and lifespan. <i>Nature Communications</i> , 2022, 13, 107.	5.8	5
2	Ingestion of single guide RNAs induces gene overexpression and extends lifespan in <i>Caenorhabditis elegans</i> via CRISPR activation. <i>Journal of Biological Chemistry</i> , 2022, 298, 102085.	1.6	5
3	Mitochondrial ROS signals prevent excessive immune response. <i>Nature Metabolism</i> , 2021, 3, 588-589.	5.1	14
4	Green tea catechins EGCG and ECG enhance the fitness and lifespan of <i>Caenorhabditis elegans</i> by complex I inhibition. <i>Aging</i> , 2021, 13, 22629-22648.	1.4	30
5	Redox-mediated regulation of aging and healthspan by an evolutionarily conserved transcription factor HLH-2/Tcf3/E2A. <i>Redox Biology</i> , 2020, 32, 101448.	3.9	10
6	Partial impairment of insulin receptor expression mimics fasting to prevent diet-induced fatty liver disease. <i>Nature Communications</i> , 2020, 11, 2080.	5.8	13
7	Low-level mitochondrial heteroplasmy modulates DNA replication, glucose metabolism and lifespan in mice. <i>Scientific Reports</i> , 2018, 8, 5872.	1.6	26
8	Impairing L-Threonine Catabolism Promotes Healthspan through Methylglyoxal-Mediated Proteohormesis. <i>Cell Metabolism</i> , 2018, 27, 914-925.e5.	7.2	64
9	Impairment of insulin signalling in peripheral tissue fails to extend murine lifespan. <i>Aging Cell</i> , 2017, 16, 761-772.	3.0	29
10	A Genome-Scale Database and Reconstruction of <i>Caenorhabditis elegans</i> Metabolism. <i>Cell Systems</i> , 2016, 2, 312-322.	2.9	46
11	A Mitochondrially Encoded Hormone Ameliorates Obesity and Insulin Resistance. <i>Cell Metabolism</i> , 2015, 21, 355-356.	7.2	45
12	Branched-chain amino acid catabolism is a conserved regulator of physiological ageing. <i>Nature Communications</i> , 2015, 6, 10043.	5.8	132
13	Insulin and insulin-like growth factor 1 receptors are required for normal expression of imprinted genes. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014, 111, 14512-14517.	3.3	43
14	D-Glucosamine supplementation extends life span of nematodes and of ageing mice. <i>Nature Communications</i> , 2014, 5, 3563.	5.8	181
15	Role of sirtuins in lifespan regulation is linked to methylation of nicotinamide. <i>Nature Chemical Biology</i> , 2013, 9, 693-700.	3.9	203
16	Mitochondrial hormesis links low-dose arsenite exposure to lifespan extension. <i>Aging Cell</i> , 2013, 12, 508-517.	3.0	125
17	Extension of Life Span by Impaired Glucose Metabolism in <i>Caenorhabditis elegans</i> Is Accompanied by Structural Rearrangements of the Transcriptomic Network. <i>PLoS ONE</i> , 2013, 8, e77776.	1.1	18
18	Lipid-lowering fibrates extend <i>C. elegans</i> lifespan in a NHR-49/PPARalpha-dependent manner. <i>Aging</i> , 2013, 5, 270-275.	1.4	26

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19	Impaired Insulin/IGF1 Signaling Extends Life Span by Promoting Mitochondrial L-Proline Catabolism to Induce a Transient ROS Signal. <i>Cell Metabolism</i> , 2012, 15, 451-465.	7.2	367
20	L-Theanine extends lifespan of adult <i>Caenorhabditis elegans</i> . <i>European Journal of Nutrition</i> , 2012, 51, 765-768.	1.8	30
21	Low-dose lithium uptake promotes longevity in humans and metazoans. <i>European Journal of Nutrition</i> , 2011, 50, 387-389.	1.8	107
22	Dual role of the mitochondrial protein frataxin in astrocytic tumors. <i>Laboratory Investigation</i> , 2011, 91, 1766-1776.	1.7	12
23	Inhibition of Alanine Aminotransferase in Silico and in Vivo Promotes Mitochondrial Metabolism to Impair Malignant Growth. <i>Journal of Biological Chemistry</i> , 2011, 286, 22323-22330.	1.6	41
24	Lonidamine Extends Lifespan of Adult <i>Caenorhabditis elegans</i> by Increasing the Formation of Mitochondrial Reactive Oxygen Species. <i>Hormone and Metabolic Research</i> , 2011, 43, 687-692.	0.7	27
25	The Phytochemical Glauucarubinone Promotes Mitochondrial Metabolism, Reduces Body Fat, and Extends Lifespan of <i>Caenorhabditis elegans</i> . <i>Hormone and Metabolic Research</i> , 2011, 43, 241-243.	0.7	38
26	How increased oxidative stress promotes longevity and metabolic health: The concept of mitochondrial hormesis (mitohormesis). <i>Experimental Gerontology</i> , 2010, 45, 410-418.	1.2	650
27	Cannabinoid type 1 receptor blockade induces transdifferentiation towards a brown fat phenotype in white adipocytes. <i>Diabetes, Obesity and Metabolism</i> , 2010, 12, 158-166.	2.2	90
28	Telomerase deficiency impairs glucose metabolism and insulin secretion. <i>Aging</i> , 2010, 2, 650-658.	1.4	114
29	Serum Vaspin Concentrations Are Decreased after Exercise-Induced Oxidative Stress. <i>Obesity Facts</i> , 2010, 3, 328-331.	1.6	31
30	Differential Effects of Resveratrol and SRT1720 on Lifespan of Adult <i>Caenorhabditis elegans</i> . <i>Hormone and Metabolic Research</i> , 2010, 42, 837-839.	0.7	43
31	Opposing effects of dietary sugar and saturated fat on cardiovascular risk factors and glucose metabolism in mitochondrially impaired mice. <i>European Journal of Nutrition</i> , 2010, 49, 417-427.	1.8	7
32	Activation of mitochondrial energy metabolism protects against cardiac failure. <i>Aging</i> , 2010, 2, 843-853.	1.4	53
33	Small Molecule Targeting of the Mitochondrial Compartment with an Endogenously Cleaved Reversible Tag. <i>ChemBioChem</i> , 2009, 10, 1689-1696.	1.3	48
34	Antioxidants prevent health-promoting effects of physical exercise in humans. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2009, 106, 8665-8670.	3.3	1,315
35	Intracellular degradation of somatostatin 4 following somatostatin receptor-mediated endocytosis in rat insulinoma cells. <i>FEBS Journal</i> , 2008, 275, 4728-4739.	2.2	7
36	A Cell-based High-throughput Assay System Reveals Modulation of Oxidative and Nonoxidative Glucose Metabolism due to Commonly Used Organic Solvents. <i>Hormone and Metabolic Research</i> , 2008, 40, 29-37.	0.7	13

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37	Antidepressants of the Serotonin-Antagonist Type Increase Body Fat and Decrease Lifespan of Adult <i>Caenorhabditis elegans</i> . PLoS ONE, 2008, 3, e4062.	1.1	34
38	Impaired respiration is positively correlated with decreased life span in <i>Caenorhabditis elegans</i> models of Friedreich Ataxia. FASEB Journal, 2007, 21, 1271-1275.	0.2	51
39	Glucose Restriction Extends <i>Caenorhabditis elegans</i> Life Span by Inducing Mitochondrial Respiration and Increasing Oxidative Stress. Cell Metabolism, 2007, 6, 280-293.	7.2	1,051
40	Functional peptide microarrays for specific and sensitive antibody diagnostics. Proteomics, 2006, 6, 1376-1384.	1.3	72
41	Peptide microarrays with site-specifically immobilized synthetic peptides for antibody diagnostics. Sensors and Actuators B: Chemical, 2006, 113, 655-663.	4.0	16
42	Development of peptide microarrays for epitope mapping of antibodies against the human TSH receptor. Journal of Immunological Methods, 2006, 315, 11-18.	0.6	35