David SebastiÃ¡n

List of Publications by Year
in descending order

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50	5,302	172457	223800
papers	citations	29 h-index	46 g-index

56	56	56	8602
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Coordination of mitochondrial and lysosomal homeostasis mitigates inflammation and muscle atrophy during aging. Aging Cell, 2022, 21, e13583.	6.7	19
2	THE BNIP3 TRIAD: MITOCHONDRIA, LYSOSOMES AND INFLAMMATION IN HEALTHY MUSCLE AGING. , 2022, 1, 252-255.		1
3	Mutant HTT (huntingtin) impairs mitophagy in a cellular model of Huntington disease. Autophagy, 2021, 17, 672-689.	9.1	109
4	Nicotinamide Protects Against Dietâ€Induced Body Weight Gain, Increases Energy Expenditure, and Induces White Adipose Tissue Beiging. Molecular Nutrition and Food Research, 2021, 65, e2100111.	3.3	9
5	Front Cover: Nicotinamide Protects Against Dietâ€Induced Body Weight Gain, Increases Energy Expenditure, and Induces White Adipose Tissue Beiging. Molecular Nutrition and Food Research, 2021, 65, 2170027.	3.3	0
6	Guidelines for the use and interpretation of assays for monitoring autophagy (4th) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 542 Td (edition	9.1	1,430
7	Neuregulin 4 Downregulation Induces Insulin Resistance in 3T3-L1 Adipocytes through Inflammation and Autophagic Degradation of GLUT4 Vesicles. International Journal of Molecular Sciences, 2021, 22, 12960.	4.1	7
8	Self-Eating for Muscle Fitness: Autophagy in the Control of Energy Metabolism. Developmental Cell, 2020, 54, 268-281.	7.0	22
9	Liver CPT1A gene therapy reduces dietâ€induced hepatic steatosis in mice and highlights potential lipid biomarkers for human NAFLD. FASEB Journal, 2020, 34, 11816-11837.	0.5	44
10	Mitoquinone (MitoQ) Inhibits Platelet Activation Steps by Reducing ROS Levels. International Journal of Molecular Sciences, 2020, 21, 6192.	4.1	24
11	Low-density lipoprotein receptor-related protein 1 deficiency in cardiomyocytes reduces susceptibility to insulin resistance and obesity. Metabolism: Clinical and Experimental, 2020, 106, 154191.	3.4	7
12	GRP94 Is Involved in the Lipid Phenotype of Brain Metastatic Cells. International Journal of Molecular Sciences, 2019, 20, 3883.	4.1	11
13	Autophagy Exacerbates Muscle Wasting in Cancer Cachexia and Impairs Mitochondrial Function. Journal of Molecular Biology, 2019, 431, 2674-2686.	4.2	69
14	Deficient Endoplasmic Reticulum-Mitochondrial Phosphatidylserine Transfer Causes Liver Disease. Cell, 2019, 177, 881-895.e17.	28.9	209
15	Common Metabolic Pathways Implicated in Resistance to Chemotherapy Point to a Key Mitochondrial Role in Breast Cancer*. Molecular and Cellular Proteomics, 2019, 18, 231-244.	3.8	34
16	Mitochondrial dynamics and metabolic homeostasis. Current Opinion in Physiology, 2018, 3, 34-40.	1.8	27
17	Mitochondrial DNA and TLR9 drive muscle inflammation upon Opa1 deficiency. EMBO Journal, 2018, 37, .	7.8	139
18	Re-analysis of public genetic data reveals a rare X-chromosomal variant associated with type 2 diabetes. Nature Communications, 2018, 9, 321.	12.8	85

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19	Identification of New Activators of Mitochondrial Fusion Reveals a Link between Mitochondrial Morphology and Pyrimidine Metabolism. Cell Chemical Biology, 2018, 25, 268-278.e4.	5.2	84
20	Mitochondrial Dynamics: A Journey from Mitochondrial Morphology to Mitochondrial Function and Quality. , 2018, , 19-31.		1
21	Circadian- and UPR-dependent control of CPEB4 mediates a translational response to counteract hepatic steatosis under ER stress. Nature Cell Biology, 2017, 19, 94-105.	10.3	59
22	Mitochondrial Dynamics: Coupling Mitochondrial Fitness with Healthy Aging. Trends in Molecular Medicine, 2017, 23, 201-215.	6.7	223
23	Bioenergetics: Brown Adipose Tissue Bioenergetics: A New Methodological Approach (Adv. Sci. 4/2017). Advanced Science, 2017, 4, .	11.2	0
24	Brown Adipose Tissue Bioenergetics: A New Methodological Approach. Advanced Science, 2017, 4, 1600274.	11.2	16
25	Lack of Glycogenin Causes Glycogen Accumulation and Muscle Function Impairment. Cell Metabolism, 2017, 26, 256-266.e4.	16.2	59
26	Mitochondrial Health in Aging and Age-Related Metabolic Disease. Oxidative Medicine and Cellular Longevity, 2016, 2016, 1-2.	4.0	6
27	Mfn2 deficiency links ageâ€related sarcopenia and impaired autophagy to activation of an adaptive mitophagy pathway. EMBO Journal, 2016, 35, 1677-1693.	7.8	275
28	When MFN2 (mitofusin 2) met autophagy: A new age for old muscles. Autophagy, 2016, 12, 2250-2251.	9.1	19
29	Redundant roles of the phosphatidate phosphatase family in triacylglycerol synthesis in human adipocytes. Diabetologia, 2016, 59, 1985-1994.	6.3	25
30	Role of Mitochondrial Complex IV in Age-Dependent Obesity. Cell Reports, 2016, 16, 2991-3002.	6.4	65
31	Carnitine Palmitoyltransferase 1 Increases Lipolysis, UCP1 Protein Expression and Mitochondrial Activity in Brown Adipocytes. PLoS ONE, 2016, 11, e0159399.	2.5	47
32	Zebrafish Models for Human Acute Organophosphorus Poisoning. Scientific Reports, 2015, 5, 15591.	3.3	63
33	Mitofusin 2 as a Driver That Controls Energy Metabolism and Insulin Signaling. Antioxidants and Redox Signaling, 2015, 22, 1020-1031.	5.4	69
34	Reduced Î±-MSH Underlies Hypothalamic ER-Stress-Induced Hepatic Gluconeogenesis. Cell Reports, 2015, 12, 361-370.	6.4	33
35	Fatty Acid Transport Protein 1 (FATP1) Localizes in Mitochondria in Mouse Skeletal Muscle and Regulates Lipid and Ketone Body Disposal. PLoS ONE, 2014, 9, e98109.	2.5	24
36	Mfn2 modulates the UPR and mitochondrial function via repression of PERK. EMBO Journal, 2014, 33, 171-171.	7.8	6

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37	The Skeletal Muscle in Metabolic Syndrome. , 2014, , 111-136.		0
38	Mfn2 modulates the UPR and mitochondrial function via repression of PERK. EMBO Journal, 2013, 32, 2348-2361.	7.8	340
39	Mitofusin 2 in POMC Neurons Connects ER Stress with Leptin Resistance and Energy Imbalance. Cell, 2013, 155, 172-187.	28.9	429
40	Glucocorticoid Modulation of Mitochondrial Function in Hepatoma Cells Requires the Mitochondrial Fission Protein Drp1. Antioxidants and Redox Signaling, 2013, 19, 366-378.	5.4	34
41	Identification of Novel Type 2 Diabetes Candidate Genes Involved in the Crosstalk between the Mitochondrial and the Insulin Signaling Systems. PLoS Genetics, 2012, 8, e1003046.	3.5	23
42	Mitofusin 2 (Mfn2) links mitochondrial and endoplasmic reticulum function with insulin signaling and is essential for normal glucose homeostasis. Proceedings of the National Academy of Sciences of the United States of America, 2012, 109, 5523-5528.	7.1	544
43	Mitochondrial fusion proteins: Dual regulators of morphology and metabolism. Seminars in Cell and Developmental Biology, 2010, 21, 566-574.	5.0	165
44	C75 is converted to C75-CoA in the hypothalamus, where it inhibits carnitine palmitoyltransferase 1 and decreases food intake and body weight. Biochemical Pharmacology, 2009, 77, 1084-1095.	4.4	40
45	Novel role of FATP1 in mitochondrial fatty acid oxidation in skeletal muscle cells. Journal of Lipid Research, 2009, 50, 1789-1799.	4.2	86
46	The molecular machinery of mitochondrial fusion and fission: An opportunity for drug discovery?. Current Opinion in Drug Discovery & Development, 2009, 12, 597-606.	1.9	23
47	Muscle-Specific IRS-1 Serâ†'Ala Transgenic Mice Are Protected From Fat-Induced Insulin Resistance in Skeletal Muscle. Diabetes, 2008, 57, 2644-2651.	0.6	102
48	CPT I overexpression protects L6E9 muscle cells from fatty acid-induced insulin resistance. American Journal of Physiology - Endocrinology and Metabolism, 2007, 292, E677-E686.	3.5	68
49	Novel Effect of C75 on Carnitine Palmitoyltransferase I Activity and Palmitate Oxidation. Biochemistry, 2006, 45, 4339-4350.	2.5	49
50	Alteration of the Malonyl-CoA/Carnitine Palmitoyltransferase I Interaction in the Â-Cell Impairs Glucose-Induced Insulin Secretion. Diabetes, 2005, 54, 462-471.	0.6	75