

# CITATION REPORT

List of articles citing

Mitochondrial dysfunction and oxidative stress mediate the physiological impairment induced by the disruption of autophagy

DOI: 10.18632/aging.100038

Aging, 2009, 1, 425-37.

**Source:** <https://exaly.com/paper-pdf/87779114/citation-report.pdf>

**Version:** 2024-04-19

This report has been generated based on the citations recorded by exaly.com for the above article. For the latest version of this publication list, visit the link given above.

The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

#	Paper	IF	Citations
255	Defining the role of pharmacology in the emerging world of translational research. <b>2009</b> , 57, 1-30		25
254	Autophagy is defective in collagen VI muscular dystrophies, and its reactivation rescues myofiber degeneration. <b>2010</b> , 16, 1313-20		385
253	The role of autophagy in $\beta$ cell lipotoxicity and type 2 diabetes. <b>2010</b> , 12 Suppl 2, 15-9		45
252	Fiber type conversion by PGC-1 $\beta$ activates lysosomal and autophagosomal biogenesis in both unaffected and Pompe skeletal muscle. <i>PLoS ONE</i> , <b>2010</b> , 5, e15239	3.7	44
251	Oxidative stress and autophagy in cardiac disease, neurological disorders, aging and cancer. <b>2010</b> , 3, 168-77		187
250	Suppression of autophagy permits successful enzyme replacement therapy in a lysosomal storage disorder--murine Pompe disease. <b>2010</b> , 6, 1078-89		115
249	Autophagy in health and disease. 4. The role of pancreatic beta-cell autophagy in health and diabetes. <b>2010</b> , 299, C1-6		37
248	A microarray-based genetic screen for yeast chronological aging factors. <b>2010</b> , 6, e1000921		167
247	Mitochondrial protein tyrosine nitration. <b>2011</b> , 45, 37-52		74
246	Autophagy: a core cellular process with emerging links to pulmonary disease. <b>2011</b> , 184, 1237-46		53
245	The Protective Role of Sestrins Against Chronic TOR Activation and Oxidative Stress. <b>2011</b> , 337-346		
244	Autophagy and aging. <b>2011</b> , 146, 682-95		1506
243	Autophagy in tumorigenesis and energy metabolism: friend by day, foe by night. <b>2011</b> , 21, 113-9		200
242	Mechanisms of mitochondria and autophagy crosstalk. <b>2011</b> , 10, 4032-8		102
241	MicroRNA 144 impairs insulin signaling by inhibiting the expression of insulin receptor substrate 1 in type 2 diabetes mellitus. <i>PLoS ONE</i> , <b>2011</b> , 6, e22839	3.7	289
240	Roles of autophagy in pancreatic $\beta$ cell function and type 2 diabetes. <b>2011</b> , 2, 1-9		7
239	Fatty acids suppress autophagic turnover in $\beta$ cells. <b>2011</b> , 286, 42534-42544		152

238	Role of autophagy in cancer prevention. <b>2011</b> , 4, 973-83		133
237	Activated Ras requires autophagy to maintain oxidative metabolism and tumorigenesis. <b>2011</b> , 25, 460-70		925
236	Metabolic regulation, mitochondria and the life-prolonging effect of rapamycin: a mini-review. <b>2012</b> , 58, 524-30		25
235	Autophagy in lysosomal storage disorders. <b>2012</b> , 8, 719-30		288
234	The impact of mitochondrial and thermal stress on the bioenergetics and reserve respiratory capacity of fish cell lines. <b>2012</b> , 24, 244-50		3
233	Exercise training-induced regulation of mitochondrial quality. <b>2012</b> , 40, 159-64		154
232	PINK1- and Parkin-mediated mitophagy at a glance. <b>2012</b> , 125, 795-9		367
231	Transcriptional Regulation by Nuclear Corepressors and PGC-1 $\beta$ Implications for Mitochondrial Quality Control and Insulin Sensitivity. <b>2012</b> , 2012, 348245		12
230	Skeletal muscle mitochondria and aging: a review. <b>2012</b> , 2012, 194821		168
229	Regulation of autophagy by metabolic and stress signaling pathways in the heart. <b>2012</b> , 60, 118-24		27
228	A novel m.12908T>a mutation in the mitochondrial ND5 gene in patient with infantile-onset Pompe disease. <b>2012</b> , 429, 31-8		6
227	Macroautophagy and cell responses related to mitochondrial dysfunction, lipid metabolism and unconventional secretion of proteins. <i>Cells</i> , <b>2012</b> , 1, 168-203	7.9	8
226	Autophagy, mitochondria and oxidative stress: cross-talk and redox signalling. <i>Biochemical Journal</i> , <b>2012</b> , 441, 523-40	3.8	1055
225	New tricks from an old dog: mitochondrial redox signaling in cellular inflammation. <b>2012</b> , 24, 384-92		49
224	Review: quantifying mitochondrial dysfunction in complex diseases of aging. <b>2012</b> , 67, 1022-35		93
223	An altered redox balance mediates the hypersensitivity of Cockayne syndrome primary fibroblasts to oxidative stress. <b>2012</b> , 11, 520-9		75
222	Encyclopedia of Sustainability Science and Technology. <b>2012</b> , 3443-3449		
221	Mitochondrial dysfunction and oxidative stress activate inflammasomes: impact on the aging process and age-related diseases. <b>2012</b> , 69, 2999-3013		202

220	Autophagy in skeletal muscle homeostasis and in muscular dystrophies. <i>Cells</i> , <b>2012</b> , 1, 325-45	7.9	52
219	Deconvoluting the context-dependent role for autophagy in cancer. <b>2012</b> , 12, 401-10		1224
218	Signal transduction by mitochondrial oxidants. <b>2012</b> , 287, 4434-40		266
217	Mammalian target of rapamycin: a valid therapeutic target through the autophagy pathway for Alzheimer's disease?. <b>2012</b> , 90, 1105-18		96
216	AMP-activated protein kinase, stress responses and cardiovascular diseases. <b>2012</b> , 122, 555-73		162
215	Age-related changes in the function of autophagy in rat kidneys. <b>2012</b> , 34, 329-39		55
214	Autophagy and acetaminophen hepatotoxicity: how useful are Atg7-deficient mice?. <b>2012</b> , 47, 845-6; author reply 847-8		4
213	Autophagy in lysosomal myopathies. <b>2012</b> , 22, 82-8		57
212	Autophagy and mitochondria in Pompe disease: nothing is so new as what has long been forgotten. <b>2012</b> , 160C, 13-21		76
211	Mitophagy in ischaemia/reperfusion induced cerebral injury. <b>2013</b> , 38, 1295-300		25
210	Environmental Toxicology. <b>2013</b> ,		2
209	Deconvoluting the role of reactive oxygen species and autophagy in human diseases. <b>2013</b> , 65, 402-410		133
208	Impaired autophagic function in rat islets with aging. <b>2013</b> , 35, 1531-44		39
207	Autophagy: cancer's friend or foe?. <b>2013</b> , 118, 61-95		132
206	The roles of reactive oxygen species and autophagy in mediating the tolerance of tumor cells to cycling hypoxia. <b>2013</b> , 23, 252-61		37
205	Autophagy regulates endothelial cell processing, maturation and secretion of von Willebrand factor. <b>2013</b> , 19, 1281-7		167
204	Basic biology of skeletal aging: role of stress response pathways. <b>2013</b> , 68, 1197-208		124
203	Autophagy and leucine promote chronological longevity and respiration proficiency during calorie restriction in yeast. <i>Experimental Gerontology</i> , <b>2013</b> , 48, 1107-19	4.5	54

202	Mitochondrial Homeostasis in Acute Organ Failure. <b>2013</b> , 1, 169		52
201	Chronic resistance training activates autophagy and reduces apoptosis of muscle cells by modulating IGF-1 and its receptors, Akt/mTOR and Akt/FOXO3a signaling in aged rats. <i>Experimental Gerontology</i> , <b>2013</b> , 48, 427-36	4.5	117
200	Beclin 1 interactome controls the crosstalk between apoptosis, autophagy and inflammasome activation: impact on the aging process. <b>2013</b> , 12, 520-34		109
199	Parkin protein deficiency exacerbates cardiac injury and reduces survival following myocardial infarction. <b>2013</b> , 288, 915-26		298
198	Autophagy as a stress-response and quality-control mechanism: implications for cell injury and human disease. <b>2013</b> , 8, 105-37		364
197	The role of CSA and CSB protein in the oxidative stress response. <b>2013</b> , 134, 261-9		32
196	From laboratory tests to functional characterisation of Cockayne syndrome. <b>2013</b> , 134, 171-9		11
195	Autophagy deficiency leads to protection from obesity and insulin resistance by inducing Fgf21 as a mitokine. <b>2013</b> , 19, 83-92		542
194	Dysfunctional mitochondrial bioenergetics and oxidative stress in Akita(+/Ins2)-derived $\beta$ cells. <b>2013</b> , 305, E585-99		34
193	MiR-34 modulates <i>Caenorhabditis elegans</i> lifespan via repressing the autophagy gene atg9. <b>2013</b> , 35, 11-22		110
192	Parkin deficiency results in accumulation of abnormal mitochondria in aging myocytes. <b>2013</b> , 6, e24511		72
191	Lacritin rescues stressed epithelia via rapid forkhead box O3 (FOXO3)-associated autophagy that restores metabolism. <b>2013</b> , 288, 18146-61		36
190	miR-638 regulates gene expression networks associated with emphysematous lung destruction. <b>2013</b> , 5, 114		49
189	Decrease in respiratory function and electron transport chain induced by airborne particulate matter (PM10) exposure in lung mitochondria. <b>2013</b> , 41, 628-38		10
188	Exendin-4 improves $\beta$ cell function in autophagy-deficient $\beta$ cells. <b>2013</b> , 154, 4512-24		51
187	Autophagy prevents irradiation injury and maintains stemness through decreasing ROS generation in mesenchymal stem cells. <b>2013</b> , 4, e844		124
186	miR-25 and miR-92a regulate insulin I biosynthesis in rats. <b>2013</b> , 10, 1365-78		41
185	Atg7- and Keap1-dependent autophagy protects breast cancer cell lines against mitochinone-induced oxidative stress. <i>Oncotarget</i> , <b>2014</b> , 5, 1526-37	3.3	52

184	β-Glucuronidase activity and mitochondrial dysfunction: the sites where flavonoid glucuronides act as anti-inflammatory agents. <b>2014</b> , 54, 145-50		29
183	Aging and energetics' 'Top 40' future research opportunities 2010-2013. <b>2014</b> , 3, 219		14
182	Pompe disease: from pathophysiology to therapy and back again. <b>2014</b> , 6, 177		110
181	Exercise ameliorates the detrimental effect of chloroquine on skeletal muscles in mice via restoring autophagy flux. <b>2014</b> , 35, 135-42		24
180	Autophagy and pancreatic β-cells. <b>2014</b> , 95, 145-64		10
179	Mitohormesis: Promoting Health and Lifespan by Increased Levels of Reactive Oxygen Species (ROS). <b>2014</b> , 12, 288-341		281
178	Redox regulation of antioxidants, autophagy, and the response to stress: implications for electrophile therapeutics. <b>2014</b> , 71, 196-207		168
177	Oxidative stress-induced autophagy: role in pulmonary toxicity. <b>2014</b> , 275, 145-51		24
176	Changes in cellular degradation activity in young and old worker honeybees ( <i>Apis mellifera</i> ). <i>Experimental Gerontology</i> , <b>2014</b> , 50, 128-36	4-5	13
175	Autophagy and cardiometabolic risk factors. <b>2014</b> , 15, 307-15		16
174	Oxidative damage to osteoblasts can be alleviated by early autophagy through the endoplasmic reticulum stress pathway—implications for the treatment of osteoporosis. <b>2014</b> , 77, 10-20		70
173	Autophagy and the immune function in aging. <b>2014</b> , 29, 97-104		87
172	Lipid Replacement Therapy: a natural medicine approach to replacing damaged lipids in cellular membranes and organelles and restoring function. <b>2014</b> , 1838, 1657-79		71
171	Autophagy and cancer metabolism. <b>2014</b> , 542, 25-57		80
170	Oxidative stress and autophagy in cardiovascular homeostasis. <b>2014</b> , 20, 507-18		52
169	Protein damage, repair and proteolysis. <b>2014</b> , 35, 1-71		165
168	The Biology of Aging: Implications for Diseases of Aging and Health Care in the Twenty-First Century. <b>2014</b> , 1-37		2
167	Skeletal muscle myotubes in severe obesity exhibit altered ubiquitin-proteasome and autophagic/lysosomal proteolytic flux. <b>2015</b> , 23, 1185-93		24

166	Phosphatase and tensin homolog-induced putative kinase 1 and Parkin in diabetic heart: Role of mitophagy. <b>2015</b> , 6, 250-5	31
165	Mitochondrial Complexes I and II Are More Susceptible to Autophagy Deficiency in Mouse $\beta$ Cells. <b>2015</b> , 30, 65-70	4
164	L-Lactate Protects Skin Fibroblasts against Aging-Associated Mitochondrial Dysfunction via Mitohormesis. <b>2015</b> , 2015, 351698	17
163	Markers of autophagy are adapted to hyperglycaemia in skeletal muscle in type 2 diabetes. <b>2015</b> , 58, 2087-95	45
162	The cell biology of aging. <b>2015</b> , 26, 4524-31	88
161	Susceptibility of monocytes to activation correlates with atherogenic mitochondrial DNA mutations. <b>2015</b> , 99, 672-6	12
160	Autophagy is involved in recombinant Newcastle disease virus (rL-RVG)-induced cell death of stomach adenocarcinoma cells in vitro. <b>2015</b> , 47, 679-89	10
159	Autophagy deficiency in $\beta$ cells blunts incretin-induced suppression of glucagon release from $\alpha$ cells. <b>2015</b> , 7, e1129096	3
158	Regulation of the transcription factor EB-PGC1 $\alpha$ axis by beclin-1 controls mitochondrial quality and cardiomyocyte death under stress. <b>2015</b> , 35, 956-76	67
157	Minireview: Autophagy in pancreatic $\beta$ cells and its implication in diabetes. <b>2015</b> , 29, 338-48	62
156	Autophagy induction halts axonal degeneration in a mouse model of X-adrenoleukodystrophy. <b>2015</b> , 129, 399-415	31
155	Impaired autophagy induces chronic atrophic pancreatitis in mice via sex- and nutrition-dependent processes. <b>2015</b> , 148, 626-638.e17	97
154	Apoptosis, Necrosis, and Autophagy. <b>2015</b> , 209-228.e3	2
153	Metformin prevents ischemia reperfusion-induced oxidative stress in the fatty liver by attenuation of reactive oxygen species formation. <b>2015</b> , 309, G100-11	76
152	Combined aerobic exercise and enzyme replacement therapy rejuvenates the mitochondrial-lysosomal axis and alleviates autophagic blockage in Pompe disease. <b>2015</b> , 87, 98-112	19
151	PGC-1 $\beta$ modulates denervation-induced mitophagy in skeletal muscle. <b>2015</b> , 5, 9	109
150	Defects in calcium homeostasis and mitochondria can be reversed in Pompe disease. <b>2015</b> , 11, 385-402	71
149	Mitochondria, muscle health, and exercise with advancing age. <b>2015</b> , 30, 208-23	94

148	Brief Report: Oxidative Stress Mediates Cardiomyocyte Apoptosis in a Human Model of Danon Disease and Heart Failure. <b>2015</b> , 33, 2343-50	61
147	Atg7 in development and disease: panacea or Pandora's Box?. <b>2015</b> , 6, 722-34	70
146	Ketosis may promote brain macroautophagy by activating Sirt1 and hypoxia-inducible factor-1. <b>2015</b> , 85, 631-9	28
145	Shear stress regulates endothelial cell autophagy via redox regulation and Sirt1 expression. <b>2015</b> , 6, e1827	91
144	Atg7 enhances host defense against infection via downregulation of superoxide but upregulation of nitric oxide. <b>2015</b> , 194, 1112-21	23
143	Increased oxidative stress and impaired antioxidant response in Lafora disease. <b>2015</b> , 51, 932-46	28
142	Adiponectin stimulates autophagy and reduces oxidative stress to enhance insulin sensitivity during high-fat diet feeding in mice. <b>2015</b> , 64, 36-48	143
141	Overview of Autophagy. <b>2016</b> , 3-84	
140	The Relevance of Nrf2 Pathway and Autophagy in Pancreatic Cancer Cells upon Stimulation of Reactive Oxygen Species. <b>2016</b> , 2016, 3897250	19
139	The Role of Autophagy, Mitophagy and Lysosomal Functions in Modulating Bioenergetics and Survival in the Context of Redox and Proteotoxic Damage: Implications for Neurodegenerative Diseases. <b>2016</b> , 7, 150-62	62
138	Mitochondrial Dysfunction in Lysosomal Storage Disorders. <b>2016</b> , 4,	32
137	Mitochondrial Quality Control in Cardiac Diseases. <b>2016</b> , 7, 479	28
136	Translational machinery of mitochondrial mRNA is promoted by physical activity in Western diet-induced obese mice. <b>2016</b> , 218, 167-177	15
135	Redox regulation of autophagy in skeletal muscle. <b>2016</b> , 98, 103-112	39
134	Aging and Autophagy in the Heart. <b>2016</b> , 118, 1563-76	238
133	Carnosic Acid Prevents Beta-Amyloid-Induced Injury in Human Neuroblastoma SH-SY5Y Cells via the Induction of Autophagy. <b>2016</b> , 41, 2311-23	23
132	Targeting Autophagy in Cancer Therapy. <b>2016</b> ,	9
131	Adult and Cancer Stem Cells: Perspectives on Autophagic Fate Determinations and Molecular Intervention. <b>2016</b> , 99-116	1



130	Mechanisms of communication between mitochondria and lysosomes. <b>2016</b> , 79, 345-349	28
129	Disrupted autophagy undermines skeletal muscle adaptation and integrity. <b>2016</b> , 27, 525-537	24
128	Cellular effects induced by 17- $\beta$ -Estradiol to reduce the survival of renal cell carcinoma cells. <b>2016</b> , 23, 67	5
127	Orchestrating the network of molecular pathways affecting aging: Role of nonselective autophagy and mitophagy. <b>2016</b> , 153, 30-40	37
126	Interplay between oxidant species and energy metabolism. <b>2016</b> , 8, 28-42	136
125	Effects of chronic sugar consumption on lipid accumulation and autophagy in the skeletal muscle. <b>2017</b> , 56, 363-373	18
124	Synaptosomal bioenergetic defects are associated with cognitive impairment in a transgenic rat model of early Alzheimer's disease. <b>2017</b> , 37, 69-84	34
123	Melatonin prevents mitochondrial dysfunction and promotes neuroprotection by inducing autophagy during oxaliplatin-evoked peripheral neuropathy. <b>2017</b> , 62, e12393	71
122	Cellular senescence in osteoarthritis pathology. <b>2017</b> , 16, 210-218	138
121	4-PBA reverses autophagic dysfunction and improves insulin sensitivity in adipose tissue of obese mice via Akt/mTOR signaling. <b>2017</b> , 484, 529-535	18
120	Mechanism of Generation of Oxidative Stress and Pathophysiology of Type 2 Diabetes Mellitus: How Are They Interlinked?. <b>2017</b> , 118, 3577-3585	204
119	Membrane Lipid Replacement for chronic illnesses, aging and cancer using oral glycerolphospholipid formulations with fructooligosaccharides to restore phospholipid function in cellular membranes, organelles, cells and tissues. <b>2017</b> , 1859, 1704-1724	34
118	Anti-Aging Potentials of Methylene Blue for Human Skin Longevity. <i>Scientific Reports</i> , <b>2017</b> , 7, 2475	4.9 43
117	Molecular Biology Digest of Cell Mitophagy. <i>International Review of Cell and Molecular Biology</i> , <b>2017</b> , 332, 233-258	6 6
116	53BP1 contributes to regulation of autophagic clearance of mitochondria. <i>Scientific Reports</i> , <b>2017</b> , 7, 45290	4.9 7
115	Mitochondria Initiate and Regulate Sarcopenia. <b>2017</b> , 45, 58-69	56
114	Inhibition of autophagy with bafilomycin and chloroquine decreases mitochondrial quality and bioenergetic function in primary neurons. <b>2017</b> , 11, 73-81	120
113	Metabolic hijacking: A survival strategy cancer cells exploit?. <b>2017</b> , 109, 1-8	18

112	Autophagy as a regulator of cardiovascular redox homeostasis. <b>2017</b> , 109, 108-113		47
111	Effect of acute and chronic autophagy deficiency on skeletal muscle apoptotic signaling, morphology, and function. <b>2017</b> , 1864, 708-718		21
110	Heat stress induces autophagy in pig ovaries during follicular development. <b>2017</b> , 97, 426-437		34
109	Targeting mitochondrial mRNA translation to tackle obesity-induced insulin resistance: thumbs up for exercise. <b>2017</b> , 219, 14-16		0
108	Inhibitory Growth of Oral Squamous Cell Carcinoma Cancer via Bacterial Prodigiosin. <b>2017</b> , 15,		28
107	Atg7 Regulates Brain Angiogenesis via NF- $\kappa$ B-Dependent IL-6 Production. <i>International Journal of Molecular Sciences</i> , <b>2017</b> , 18,	6.3	13
106	Overview of Autophagy. <b>2017</b> , 1-122		
105	The Interrelation between Reactive Oxygen Species and Autophagy in Neurological Disorders. <b>2017</b> , 2017, 8495160		43
104	Overview of Autophagy. <b>2017</b> , 3-90		0
103	The cytotoxicity of coxsackievirus B3 is associated with a blockage of autophagic flux mediated by reduced syntaxin 17 expression. <b>2018</b> , 9, 242		24
102	Estrogen receptor $\alpha$ protects pancreatic $\beta$ cells from apoptosis by preserving mitochondrial function and suppressing endoplasmic reticulum stress. <b>2018</b> , 293, 4735-4751		41
101	Mitochondrial adventures at the organelle society. <b>2018</b> , 500, 87-93		29
100	Skeletal muscle from aged American Quarter Horses shows impairments in mitochondrial biogenesis and expression of autophagy markers. <i>Experimental Gerontology</i> , <b>2018</b> , 102, 19-27	4.5	6
99	Cell culture models of fatty acid overload: Problems and solutions. <b>2018</b> , 1863, 143-151		46
98	Combination of Coenzyme Q Intake and Moderate Physical Activity Counteracts Mitochondrial Dysfunctions in a SAMP8 Mouse Model. <b>2018</b> , 2018, 8936251		15
97	Resveratrol Decreases Oxidative Stress by Restoring Mitophagy and Improves the Pathophysiology of Dystrophin-Deficient Mice. <b>2018</b> , 2018, 9179270		48
96	Endothelial Atg7 Deficiency Ameliorates Acute Cerebral Injury Induced by Ischemia/Reperfusion. <b>2018</b> , 9, 998		12
95	The effects of AICAR and rapamycin on mitochondrial function in immortalized mitochondrial DNA mutator murine embryonic fibroblasts. <b>2018</b> , 7,		5

94	Therapeutic Benefit of Autophagy Modulation in Pompe Disease. <b>2018</b> , 26, 1783-1796	26
93	Defective Autophagy in Atherosclerosis: To Die or to Senesce?. <b>2018</b> , 2018, 7687083	78
92	Pancreatic Beta Cell Death: Novel Potential Mechanisms in Diabetes Therapy. <b>2018</b> , 2018, 9601801	78
91	Autophagy as an emerging target in cardiorenal metabolic disease: From pathophysiology to management. <b>2018</b> , 191, 1-22	70
90	Atg7 inhibits Warburg effect by suppressing PKM2 phosphorylation resulting reduced epithelial-mesenchymal transition. <b>2018</b> , 14, 775-783	15
89	Autophagy inhibition synergizes with calcium mobilization to achieve efficient therapy of malignant gliomas. <b>2018</b> , 109, 2497-2508	11
88	Lipin-1 regulates Bnip3-mediated mitophagy in glycolytic muscle. <i>FASEB Journal</i> , <b>2018</b> , 32, 6796-6807	0.9 14
87	Aminochrome Induces Irreversible Mitochondrial Dysfunction by Inducing Autophagy Dysfunction in Parkinson's Disease. <b>2018</b> , 12, 106	26
86	Autophagy, Oxidative Stress, and Redox Regulation. <b>2018</b> , 237-251	1
85	Adjustment of the lysosomal-mitochondrial axis for control of cellular senescence. <b>2018</b> , 47, 176-182	40
84	Autophagy and Diabetes Mellitus. <b>2018</b> , 83-90	
83	Cell autophagy: Mechanism and role in cell dysfunction. <b>2019</b> , 275, S92-S103	31
82	Crosstalk between Mitochondrial Ca Uptake and Autophagy in Skeletal Muscle. <b>2019</b> , 2019, 1845321	4
81	Toxicant-mediated redox control of proteostasis in neurodegeneration. <b>2019</b> , 13, 22-34	5
80	HDAC inhibition induces autophagy and mitochondrial biogenesis to maintain mitochondrial homeostasis during cardiac ischemia/reperfusion injury. <b>2019</b> , 130, 36-48	33
79	Regulatory mechanisms and clinical manifestations of musculoskeletal aging. <b>2019</b> , 37, 1475-1488	11
78	Iron induces insulin resistance in cardiomyocytes via regulation of oxidative stress. <i>Scientific Reports</i> , <b>2019</b> , 9, 4668	4.9 28
77	Autophagy Deficiency Leads to Impaired Antioxidant Defense via p62-FOXO1/3 Axis. <b>2019</b> , 2019, 2526314	9

76	Maintenance of Skeletal Muscle Mitochondria in Health, Exercise, and Aging. <b>2019</b> , 81, 19-41		134
75	Nanoparticle-mediated lysosomal reacidification restores mitochondrial turnover and function in $\beta$ cells under lipotoxicity. <i>FASEB Journal</i> , <b>2019</b> , 33, 4154-4165	0.9	21
74	Atg2, Atg9 and Atg18 in mitochondrial integrity, cardiac function and healthspan in <i>Drosophila</i> . <b>2019</b> , 127, 116-124		15
73	Exercise training remodels human skeletal muscle mitochondrial fission and fusion machinery towards a pro-elongation phenotype. <b>2019</b> , 225, e13216		40
72	Autophagy and aging: Maintaining the proteome through exercise and caloric restriction. <b>2019</b> , 18, e12876		81
71	MTOR-independent autophagy induced by interrupted endoplasmic reticulum-mitochondrial Ca communication: a dead end in cancer cells. <b>2019</b> , 15, 358-361		30
70	Mitophagy activation repairs Leber's hereditary optic neuropathy-associated mitochondrial dysfunction and improves cell survival. <b>2019</b> , 28, 422-433		17
69	Dysregulation of TFEB contributes to manganese-induced autophagic failure and mitochondrial dysfunction in astrocytes. <b>2020</b> , 16, 1506-1523		22
68	Kynurenine inhibits autophagy and promotes senescence in aged bone marrow mesenchymal stem cells through the aryl hydrocarbon receptor pathway. <i>Experimental Gerontology</i> , <b>2020</b> , 130, 110805	4.5	33
67	Neuroprotective effects of <i>Hericium erinaceus</i> (Bull.: Fr.) Pers. against high-dose corticosterone-induced oxidative stress in PC-12 cells. <b>2020</b> , 20, 340		8
66	Histone deacetylases inhibitors as new potential drugs against <i>Leishmania braziliensis</i> , the main causative agent of new world tegumentary leishmaniasis. <b>2020</b> , 180, 114191		3
65	Mitochondria (cross)talk with proteostatic mechanisms: Focusing on ageing and neurodegenerative diseases. <b>2020</b> , 190, 111324		3
64	Effects of Physical Exercise on Autophagy and Apoptosis in Aged Brain: Human and Animal Studies. <b>2020</b> , 7, 94		15
63	Molecular mechanisms of interplay between autophagy and metabolism in cancer. <b>2020</b> , 259, 118184		4
62	Complex interplay between autophagy and oxidative stress in the development of pulmonary disease. <b>2020</b> , 36, 101679		66
61	Cell Senescence: A Nonnegligible Cell State under Survival Stress in Pathology of Intervertebral Disc Degeneration. <b>2020</b> , 2020, 9503562		16
60	Short-term inhibition of autophagy benefits pancreatic $\beta$ cells by augmenting ether lipids and peroxisomal function, and by countering depletion of n-3 polyunsaturated fatty acids after fat-feeding. <b>2020</b> , 40, 101023		7
59	Polyphenols as Caloric-Restriction Mimetics and Autophagy Inducers in Aging Research. <b>2020</b> , 12,		29

58	Colchicine treatment impairs skeletal muscle mitochondrial function and insulin sensitivity in an age-specific manner. <i>FASEB Journal</i> , <b>2020</b> , 34, 8653-8670	0.9	5
57	Mitochondrial Bioenergetics and Dynamics in Secretion Processes. <i>Frontiers in Endocrinology</i> , <b>2020</b> , 11, 319	5.7	9
56	Real-state of autophagy signaling pathway in neurodegenerative disease; focus on multiple sclerosis. <b>2020</b> , 17, 6		8
55	Linking mitochondrial dysfunction to sarcopenia. <b>2021</b> , 1-58		
54	Molecular mechanisms of lipotoxicity-induced pancreatic $\beta$ cell dysfunction. <i>International Review of Cell and Molecular Biology</i> , <b>2021</b> , 359, 357-402	6	6
53	Short-Term High-Fat Feeding Does Not Alter Mitochondrial Lipid Respiratory Capacity but Triggers Mitophagy Response in Skeletal Muscle of Mice. <i>Frontiers in Endocrinology</i> , <b>2021</b> , 12, 651211	5.7	2
52	VPS39-deficiency observed in type 2 diabetes impairs muscle stem cell differentiation via altered autophagy and epigenetics. <i>Nature Communications</i> , <b>2021</b> , 12, 2431	17.4	7
51	Targeting Premature Renal Aging: from Molecular Mechanisms of Cellular Senescence to Senolytic Trials. <i>Frontiers in Pharmacology</i> , <b>2021</b> , 12, 630419	5.6	2
50	Beneficial effects of a combination of natural product activators of autophagy on endothelial cells and platelets. <i>British Journal of Pharmacology</i> , <b>2021</b> , 178, 2146-2159	8.6	4
49	Role of macrophage autophagy in atherosclerosis: modulation by bioactive compounds. <i>Biochemical Journal</i> , <b>2021</b> , 478, 1359-1375	3.8	2
48	AMPK, metabolism, and vascular function. <i>FEBS Journal</i> , <b>2021</b> , 288, 3746-3771	5.7	19
47	Ultraviolet radiation protection potentials of Methylene Blue for human skin and coral reef health. <i>Scientific Reports</i> , <b>2021</b> , 11, 10871	4.9	1
46	Mitochondrial Dynamics and Mitophagy in Skeletal Muscle Health and Aging. <i>International Journal of Molecular Sciences</i> , <b>2021</b> , 22,	6.3	13
45	The role of melatonin in sarcopenia: Advances and application prospects. <i>Experimental Gerontology</i> , <b>2021</b> , 149, 111319	4.5	1
44	Role of autophagy in sepsis-induced skeletal muscle dysfunction, whole-body metabolism, and survival.		2
43	Skeletal muscle type-specific mitochondrial adaptation to high-fat diet relies on differential autophagy modulation. <i>FASEB Journal</i> , <b>2021</b> , 35, e21933	0.9	0
42	Mitochondrial dysfunction and autophagy in neurodegeneration. <b>2021</b> , 139-178		
41	The Use of Seahorse Extracellular Flux Analyzer in Mechanistic Studies of Naturally Occurring Cancer Chemopreventive Agents. <i>Methods in Pharmacology and Toxicology</i> , <b>2014</b> , 173-187	1.1	1

40	Autophagic deficiency is related to steroidogenic decline in aged rat Leydig cells. <i>Asian Journal of Andrology</i> , <b>2011</b> , 13, 881-8	2.8	46
39	The role of mitochondria in aging. <i>Journal of Clinical Investigation</i> , <b>2018</b> , 128, 3662-3670	15.9	137
38	Autophagy defends pancreatic $\beta$ cells from human islet amyloid polypeptide-induced toxicity. <i>Journal of Clinical Investigation</i> , <b>2014</b> , 124, 3489-500	15.9	149
37	Autophagy impairment induces premature senescence in primary human fibroblasts. <i>PLoS ONE</i> , <b>2011</b> , 6, e23367	3.7	167
36	Palmitate activates autophagy in INS-1E $\beta$ cells and in isolated rat and human pancreatic islets. <i>PLoS ONE</i> , <b>2012</b> , 7, e36188	3.7	97
35	Inhibition of mitochondria- and endoplasmic reticulum stress-mediated autophagy augments temozolomide-induced apoptosis in glioma cells. <i>PLoS ONE</i> , <b>2012</b> , 7, e38706	3.7	85
34	Mitochondrial dysfunction leads to deconjugation of quercetin glucuronides in inflammatory macrophages. <i>PLoS ONE</i> , <b>2013</b> , 8, e80843	3.7	72
33	Hydroxychloroquine Destabilizes Phospho-S6 in Human Renal Carcinoma Cells. <i>PLoS ONE</i> , <b>2015</b> , 10, e0131464	3.7	15
32	Tunneling nanotubes mediate rescue of prematurely senescent endothelial cells by endothelial progenitors: exchange of lysosomal pool. <i>Aging</i> , <b>2011</b> , 3, 597-608	5.6	83
31	Inflammaging: disturbed interplay between autophagy and inflammasomes. <i>Aging</i> , <b>2012</b> , 4, 166-75	5.6	313
30	Mitochondrial membrane lipidome defines yeast longevity. <i>Aging</i> , <b>2013</b> , 5, 551-74	5.6	29
29	Loss of oxidative defense and potential blockade of satellite cell maturation in the skeletal muscle of patients with cancer but not in the healthy elderly. <i>Aging</i> , <b>2016</b> , 8, 1690-702	5.6	31
28	The autophagic inhibition oral squamous cell carcinoma cancer growth of 16-hydroxy-cleroda-3,14-dine-15,16-olide. <i>Oncotarget</i> , <b>2017</b> , 8, 78379-78396	3.3	12
27	Pros and cons of different ways to address dysfunctional autophagy in Pompe disease. <i>Annals of Translational Medicine</i> , <b>2019</b> , 7, 279	3.2	7
26	Autophagy: A Promising Target for Age-related Osteoporosis. <i>Current Drug Targets</i> , <b>2019</b> , 20, 354-365	3	11
25	Mitochondrial adaptations in aged skeletal muscle: effect of exercise training. <i>Physiological Research</i> , <b>2017</b> , 66, 1-14	2.1	10
24	Metabolic Rebalancing of CR6 Interaction Factor 1-Deficient Mouse Embryonic Fibroblasts: A Mass Spectrometry-Based Metabolic Analysis. <i>Bulletin of the Korean Chemical Society</i> , <b>2013</b> , 34, 35-41	1.2	3
23	Role of Oxidative Stress and Autophagy in Thoracic Aortic Aneurysms. <i>JACC Basic To Translational Science</i> , <b>2021</b> , 6, 719-730	8.7	0

22	Encyclopedia of Sustainability Science and Technology. <b>2012</b> , 3655-3674		
21	Environmental Toxicology: Oxidative Stress. <b>2013</b> , 293-318		
20	Diet and Exercise Will Help You Live Longer—The Meme that Turns on Housekeeping Genes. <i>Advances in Geriatric Medicine and Research</i> , 2.1		
19	ALDH2 modulates autophagy flux to regulate acetaldehyde-mediated toxicity thresholds. <i>American Journal of Cancer Research</i> , <b>2016</b> , 6, 781-96	4.4	11
18	Fundamentals of Membrane Lipid Replacement: A Natural Medicine Approach to Repairing Cellular Membranes and Reducing Fatigue, Pain, and Other Symptoms While Restoring Function in Chronic Illnesses and Aging.. <i>Membranes</i> , <b>2021</b> , 11,	3.8	2
17	The interplay of autophagy and oxidative stress in the pathogenesis and therapy of retinal degenerative diseases.. <i>Cell and Bioscience</i> , <b>2022</b> , 12, 1	9.8	5
16	LRRK2 and idiopathic Parkinson's disease.. <i>Trends in Neurosciences</i> , <b>2022</b> ,	13.3	8
15	New Molecular and Organelle Alterations Linked to Down Syndrome Heart Disease.. <i>Frontiers in Genetics</i> , <b>2021</b> , 12, 792231	4.5	1
14	Regulation of Aging and Longevity by Ion Channels and Transporters.. <i>Cells</i> , <b>2022</b> , 11,	7.9	0
13	Data_Sheet_1.docx. <b>2018</b> ,		
12	Sea cucumber ether-phospholipids improve hepatic steatosis and enhance hypothalamic autophagy in high-fat diet-fed mice.. <i>Journal of Nutritional Biochemistry</i> , <b>2022</b> , 109032	6.3	0
11	mTOR Signalling Pathway: A Potential Therapeutic Target for Ocular Neurodegenerative Diseases. <i>Antioxidants</i> , <b>2022</b> , 11, 1304	7.1	
10	Exercise for osteoporosis: A literature review of pathology and mechanism. 13,		1
9	Inhibition of mTOR signaling protects human glioma cells from hypoxia-induced cell death in an autophagy-independent manner. <b>2022</b> , 8,		1
8	Targeting pancreatic beta cell death in type 2 diabetes by polyphenols. 13,		0
7	Autophagy: An important target for natural products in the treatment of bone metabolic diseases. 13,		0
6	Mitochondria: how eminent in ageing and neurodegenerative disorders?.		1
5	Role of autophagy in aging: The good, the bad, and the ugly.		0

- 4 Autophagic Molecular Alterations in the Mouse Cerebellum Experimental Autoimmune Encephalomyelitis Model Following Treatment with Cannabidiol and Fluoxetine. ○
- 3 The CB1 cannabinoid receptor regulates autophagy in the tibialis anterior skeletal muscle in mice. **2023**, 56, ○
- 2 The Role of Mitochondria in Mediation of Skeletal Muscle Repair. **2023**, 2, 119-163 ○
- 1 Pleiotropic and multi-systemic actions of physical exercise on PGC-1 $\beta$  signaling during the aging process. **2023**, 87, 101935 ○