

# Functions and dysfunctions of mitochondrial dynamics

Nature Reviews Molecular Cell Biology

8, 870-879

DOI: [10.1038/nrm2275](https://doi.org/10.1038/nrm2275)

Citation Report

#	ARTICLE	IF	CITATIONS
1	Introduction to the germ line. WormBook, 2005, , 1-4.	5.3	129
2	Cardiolipin, the heart of mitochondrial metabolism. Cellular and Molecular Life Sciences, 2008, 65, 2493-2506.	2.4	340
3	Cytoplasmic signaling in the control of mitochondrial uproar?. Cell Communication and Signaling, 2008, 6, 4.	2.7	10
4	The mitochondrial gateway to cell death. IUBMB Life, 2008, 60, 383-389.	1.5	67
5	Mitochondrial function and morphology are impaired in <i>parkin</i> mutant fibroblasts. Annals of Neurology, 2008, 64, 555-565.	2.8	339
6	Mitochondria and ageing in <i>Drosophila</i> . Biotechnology Journal, 2008, 3, 728-739.	1.8	23
7	Structural implications of mitochondrial dynamics. Biotechnology Journal, 2008, 3, 765-780.	1.8	84
8	Protein kinase C $\beta$ : the mitochondria-mediated signaling pathway. FEBS Journal, 2008, 275, 4005-4013.	2.2	18
9	Mitochondrial fragmentation in neurodegeneration. Nature Reviews Neuroscience, 2008, 9, 505-518.	4.9	842
10	Quality control of mitochondria: protection against neurodegeneration and ageing. EMBO Journal, 2008, 27, 306-314.	3.5	475
11	Mitochondrial alterations in Parkinson's disease: new clues. Journal of Neurochemistry, 2008, 107, 317-328.	2.1	114
12	Ubiquitin-dependent and -independent mitochondrial protein quality controls: implications in ageing and neurodegenerative diseases. Molecular Microbiology, 2008, 70, 1334-1341.	1.2	40
13	Mitochondrial fusion, fission and autophagy as a quality control axis: The bioenergetic view. Biochimica Et Biophysica Acta - Bioenergetics, 2008, 1777, 1092-1097.	0.5	556
14	Ultrastructure of the Mitochondrion and Its Bearing on Function and Bioenergetics. Antioxidants and Redox Signaling, 2008, 10, 1313-1342.	2.5	208
15	Diseases caused by defects of mitochondrial carriers: A review. Biochimica Et Biophysica Acta - Bioenergetics, 2008, 1777, 564-578.	0.5	193
16	Mitochondrial oxidative phosphorylation and energetic status are reflected by morphology of mitochondrial network in INS-1E and HEP-G2 cells viewed by 4Pi microscopy. Biochimica Et Biophysica Acta - Bioenergetics, 2008, 1777, 834-846.	0.5	89
17	Mutant huntingtin and mitochondrial dysfunction. Trends in Neurosciences, 2008, 31, 609-616.	4.2	220
18	Mitochondrial fusion and function in Charcot-Marie-Tooth type 2A patient fibroblasts with mitofusin 2 mutations. Experimental Neurology, 2008, 211, 115-127.	2.0	88

#	ARTICLE	IF	CITATIONS
19	Targeting the mitochondria to augment myocardial protection. <i>Current Opinion in Pharmacology</i> , 2008, 8, 160-165.	1.7	34
20	Expression and Maintenance of Mitochondrial DNA. <i>American Journal of Pathology</i> , 2008, 172, 1445-1456.	1.9	107
21	The Parkinson's disease genes <i>pink1</i> and <i>parkin</i> promote mitochondrial fission and/or inhibit fusion in <i>Drosophila</i> . <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2008, 105, 14503-14508.	3.3	624
22	Targeting of hFis1 to Peroxisomes Is Mediated by Pex19p. <i>Journal of Biological Chemistry</i> , 2008, 283, 31107-31115.	1.6	73
23	CaM kinase $\alpha$ -induced phosphorylation of Drp1 regulates mitochondrial morphology. <i>Journal of Cell Biology</i> , 2008, 182, 573-585.	2.3	397
24	Regulation of Mitochondrial Morphology by USP30, a Deubiquitinating Enzyme Present in the Mitochondrial Outer Membrane. <i>Molecular Biology of the Cell</i> , 2008, 19, 1903-1911.	0.9	147
25	Histopathological Findings in Hereditary Motor and Sensory Neuropathy of Axonal Type With Onset in Early Childhood Associated With <i>Mitofusin 2</i> Mutations. <i>Journal of Neuropathology and Experimental Neurology</i> , 2008, 67, 1097-1102.	0.9	81
26	Subcellular Redistribution of the Mitochondrial PG2 Epitope during Development from Cleavage to Primordial Germ Cell Formation in the Rabbit Embryo. <i>Sexual Development</i> , 2008, 2, 31-42.	1.1	4
27	WAVE1 controls neuronal activity-induced mitochondrial distribution in dendritic spines. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2008, 105, 3112-3116.	3.3	99
28	Selective Actions of Mitochondrial Fission/Fusion Genes on Metabolism-Secretion Coupling in Insulin-releasing Cells. <i>Journal of Biological Chemistry</i> , 2008, 283, 33347-33356.	1.6	111
29	Isoform-specific Interaction of C-RAF with Mitochondria. <i>Journal of Biological Chemistry</i> , 2008, 283, 14857-14866.	1.6	27
30	Dissection of the Carboxyl-Terminal Domain of the Proteasomal Subunit Rpn11 in Maintenance of Mitochondrial Structure and Function. <i>Molecular Biology of the Cell</i> , 2008, 19, 1022-1031.	0.9	36
31	CED-9 and mitochondrial homeostasis in <i>C. elegans</i> muscle. <i>Journal of Cell Science</i> , 2008, 121, 3373-3382.	1.2	40
32	Mitochondrial Dynamics: To be in Good Shape to Survive. <i>Current Molecular Medicine</i> , 2008, 8, 131-137.	0.6	62
33	Gender-specific regulation of mitochondrial fusion and fission gene transcription and viability of cortical astrocytes by steroid hormones. <i>Journal of Molecular Endocrinology</i> , 2008, 41, 289-300.	1.1	59
34	Cell functions impaired by frataxin deficiency are restored by drug-mediated iron relocation. <i>Blood</i> , 2008, 112, 5219-5227.	0.6	120
35	Real-time imaging of mitochondria in transgenic zebrafish expressing mitochondrially targeted GFP. <i>BioTechniques</i> , 2008, 45, 331-334.	0.8	89
36	Disorders of mitochondrial function. <i>Current Opinion in Pediatrics</i> , 2008, 20, 471-482.	1.0	61

#	ARTICLE	IF	CITATIONS
37	Capital Cells: The American Society for Cell Biology, Washington, D.C., December 1â€“5, 2007. Journal of Cell Biology, 2008, 180, 654-659.	2.3	0
38	Mitochondria: from bioenergetics to the metabolic regulation of carcinogenesis. Frontiers in Bioscience - Landmark, 2009, Volume, 4015.	3.0	70
39	The Carboxy-Terminal Modulator Protein (CTMP) Regulates Mitochondrial Dynamics. PLoS ONE, 2009, 4, e5471.	1.1	15
40	Mitochondrial Alterations in PINK1 Deficient Cells Are Influenced by Calcineurin-Dependent Dephosphorylation of Dynamin-Related Protein 1. PLoS ONE, 2009, 4, e5701.	1.1	164
41	Blood-Feeding Induces Reversible Functional Changes in Flight Muscle Mitochondria of Aedes aegypti Mosquito. PLoS ONE, 2009, 4, e7854.	1.1	36
42	Chapter 16 Monitoring Mitochondrial Dynamics with Photoactivateable Green Fluorescent Protein. Methods in Enzymology, 2009, 457, 289-304.	0.4	30
43	The Krebs cycle meets the cell cycle: Mitochondria and the G <sub>1</sub> â€“S transition. Proceedings of the National Academy of Sciences of the United States of America, 2009, 106, 11825-11826.	3.3	73
44	Optical Fourier processing microscope to quantify subcellular structure and dynamics. , 2009, , .		0
45	Mitochondrial Function Is an Inducible Determinant of Osmotic Stress Adaptation in Yeast. Journal of Biological Chemistry, 2009, 284, 30307-30317.	1.6	68
46	Parkin protects mitochondrial genome integrity and supports mitochondrial DNA repair. Human Molecular Genetics, 2009, 18, 3832-3850.	1.4	162
47	Mitochondrial protein Preli-like is required for development of dendritic arbors and prevents their regression in the <i>Drosophila</i> sensory nervous system. Development (Cambridge), 2009, 136, 3757-3766.	1.2	26
48	A Mutation Associated with CMT2A Neuropathy Causes Defects in Fzo1 GTP Hydrolysis, Ubiquitylation, and Protein Turnover. Molecular Biology of the Cell, 2009, 20, 5026-5035.	0.9	39
49	Mitochondrial toxicity in HIV-infected patients both off and on antiretroviral treatment: a continuum or distinct underlying mechanisms?. Journal of Antimicrobial Chemotherapy, 2009, 64, 901-909.	1.3	47
50	Bcl-xL increases mitochondrial fission, fusion, and biomass in neurons. Journal of Cell Biology, 2009, 184, 707-719.	2.3	203
51	Mitofusins and OPA1 Mediate Sequential Steps in Mitochondrial Membrane Fusion. Molecular Biology of the Cell, 2009, 20, 3525-3532.	0.9	470
52	Different Proteolipid Protein Mutants Exhibit Unique Metabolic Defects. ASN Neuro, 2009, 1, AN20090028.	1.5	22
53	Human Ind1, an Iron-Sulfur Cluster Assembly Factor for Respiratory Complex I. Molecular and Cellular Biology, 2009, 29, 6059-6073.	1.1	184
54	Mitochondrial Transport Dynamics in Axons and Dendrites. Results and Problems in Cell Differentiation, 2009, 48, 361-381.	0.2	36

#	ARTICLE	IF	CITATIONS
55	Biochemical and Mechanical Dysfunction in a Mouse Model of Desmin-Related Myopathy. <i>Circulation Research</i> , 2009, 104, 1021-1028.	2.0	48
56	A Novel Potential Role for Gametogenetin-Binding Protein 1 (GGNBP1) in Mitochondrial Morphogenesis During Spermatogenesis in Mice. <i>Biology of Reproduction</i> , 2009, 80, 762-770.	1.2	15
57	A hyperfused mitochondrial state achieved at G <sub>1</sub> S regulates cyclin E buildup and entry into S phase. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2009, 106, 11960-11965.	3.3	560
58	<i>Drosophila</i> Miro Is Required for Both Anterograde and Retrograde Axonal Mitochondrial Transport. <i>Journal of Neuroscience</i> , 2009, 29, 5443-5455.	1.7	192
59	Calcium regulation of mitochondria motility and morphology. <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 2009, 1787, 1363-1373.	0.5	61
60	Prohibitin function within mitochondria: Essential roles for cell proliferation and cristae morphogenesis. <i>Biochimica Et Biophysica Acta - Molecular Cell Research</i> , 2009, 1793, 27-32.	1.9	332
61	Thirty years of protein translocation into mitochondria: Unexpectedly complex and still puzzling. <i>Biochimica Et Biophysica Acta - Molecular Cell Research</i> , 2009, 1793, 33-41.	1.9	98
62	Positioning mitochondrial plasticity within cellular signaling cascades. <i>Biochimica Et Biophysica Acta - Molecular Cell Research</i> , 2009, 1793, 154-170.	1.9	133
63	Mitochondrial remodeling in differentiating neuroblasts. <i>Brain Research</i> , 2009, 1252, 15-29.	1.1	37
64	The Miro GTPases: At the heart of the mitochondrial transport machinery. <i>FEBS Letters</i> , 2009, 583, 1391-1398.	1.3	87
65	Stimulation of glutamate receptors in cultured hippocampal neurons causes Ca <sup>2+</sup> -dependent mitochondrial contraction. <i>Cell Calcium</i> , 2009, 46, 18-29.	1.1	49
66	Functional organization of mammalian mitochondrial DNA in nucleoids: History, recent developments, and future challenges. <i>IUBMB Life</i> , 2010, 62, 19-32.	1.5	112
67	PINK1 function in health and disease. <i>EMBO Molecular Medicine</i> , 2009, 1, 152-165.	3.3	125
68	Vitamin E analogues as mitochondria-targeting compounds: From the bench to the bedside?. <i>Molecular Nutrition and Food Research</i> , 2009, 53, 129-139.	1.5	35
69	The regulation and control of mitochondrial homeostasis in changing cardiac tolerance to ischemia-reperfusion injury: a focused issue. <i>Basic Research in Cardiology</i> , 2009, 104, 111-112.	2.5	2
70	Organelle dynamics and dysfunction: A closer link between peroxisomes and mitochondria. <i>Journal of Inherited Metabolic Disease</i> , 2009, 32, 163-180.	1.7	83
71	The PINK1/Parkin pathway: a mitochondrial quality control system?. <i>Journal of Bioenergetics and Biomembranes</i> , 2009, 41, 499-503.	1.0	118
72	Silent information regulator, Sirtuin 1, and age-related diseases. <i>Geriatrics and Gerontology International</i> , 2009, 9, 7-15.	0.7	56

#	ARTICLE	IF	CITATIONS
73	Mitochondria and reactive oxygen and nitrogen species in neurological disorders and stroke: Therapeutic implications†. <i>Advanced Drug Delivery Reviews</i> , 2009, 61, 1299-1315.	6.6	93
74	Targeting mitochondrial biogenesis for preventing and treating insulin resistance in diabetes and obesity: Hope from natural mitochondrial nutrients†. <i>Advanced Drug Delivery Reviews</i> , 2009, 61, 1343-1352.	6.6	106
75	Mitochondrial dynamics in human NADH:ubiquinone oxidoreductase deficiency. <i>International Journal of Biochemistry and Cell Biology</i> , 2009, 41, 1773-1782.	1.2	47
76	Importance of lipid metabolism for intracellular and mitochondrial membrane fusion/fission processes. <i>International Journal of Biochemistry and Cell Biology</i> , 2009, 41, 1828-1836.	1.2	65
77	The cell-type specificity of mitochondrial dynamics. <i>International Journal of Biochemistry and Cell Biology</i> , 2009, 41, 1928-1939.	1.2	135
78	Dynamic organization of mitochondria in human heart and in myocardial disease. <i>International Journal of Biochemistry and Cell Biology</i> , 2009, 41, 1949-1956.	1.2	143
79	What can mitochondrial heterogeneity tell us about mitochondrial dynamics and autophagy?. <i>International Journal of Biochemistry and Cell Biology</i> , 2009, 41, 1914-1927.	1.2	99
80	Impaired mitochondrial dynamics and function in the pathogenesis of Parkinson's disease. <i>Experimental Neurology</i> , 2009, 218, 235-246.	2.0	279
81	Mitochondrial dynamics in Parkinson's disease. <i>Experimental Neurology</i> , 2009, 218, 247-256.	2.0	112
82	Role of mitofusin 2 mutations in the physiopathology of Charcot-Marie-Tooth disease type 2A. <i>Experimental Neurology</i> , 2009, 218, 268-273.	2.0	127
83	Prohibitin and mitochondrial biology. <i>Trends in Endocrinology and Metabolism</i> , 2009, 20, 394-401.	3.1	244
84	Mitochondrial fusion and division: Regulation and role in cell viability. <i>Seminars in Cell and Developmental Biology</i> , 2009, 20, 365-374.	2.3	155
85	Type 2 diabetes, mitochondrial biology and the heart. <i>Journal of Molecular and Cellular Cardiology</i> , 2009, 46, 842-849.	0.9	47
86	Morphological dynamics of mitochondria – A special emphasis on cardiac muscle cells. <i>Journal of Molecular and Cellular Cardiology</i> , 2009, 46, 811-820.	0.9	158
87	Mitochondrial dysfunction in pancreatic $\beta$ -cells in Type 2 Diabetes. <i>Molecular and Cellular Endocrinology</i> , 2009, 297, 34-40.	1.6	115
88	Cadmium and mitochondria. <i>Mitochondrion</i> , 2009, 9, 377-384.	1.6	171
89	Organelle interplay in peroxisomal disorders. <i>Trends in Molecular Medicine</i> , 2009, 15, 293-302.	3.5	53
90	Mechanisms Shaping the Membranes of Cellular Organelles. <i>Annual Review of Cell and Developmental Biology</i> , 2009, 25, 329-354.	4.0	368

#	ARTICLE	IF	CITATIONS
91	Mitochondrial (Dys)function in Adipocyte (De)differentiation and Systemic Metabolic Alterations. American Journal of Pathology, 2009, 175, 927-939.	1.9	217
92	Purification of Mitochondria from Yeast Cells. Journal of Visualized Experiments, 2009, , .	0.2	61
93	Mitochondrial dynamics-fusion, fission, movement, and mitophagy-in neurodegenerative diseases. Human Molecular Genetics, 2009, 18, R169-R176.	1.4	1,235
94	The Role of Mitochondrial Network Dynamics in the Pathogenesis of Charcot-Marie-Tooth Disease. Advances in Experimental Medicine and Biology, 2009, 652, 129-137.	0.8	31
95	PINK1: one protein, multiple neuroprotective functions. Future Neurology, 2009, 4, 575-590.	0.9	4
96	The Neurogenic Basic Helix-Loop-Helix Transcription Factor NeuroD6 Concomitantly Increases Mitochondrial mass and Regulates Cytoskeletal Organization in the Early Stages of Neuronal Differentiation. ASN Neuro, 2009, 1, AN20090036.	1.5	28
97	Global Imaging of Mitochondrial Morphology in Tissues Using Transgenic Mice Expressing Mitochondrially Targeted Enhanced Green Fluorescent Protein. Experimental Animals, 2010, 59, 99-103.	0.7	15
98	Energetic requirements and bioenergetic modulation of mitochondrial morphology and dynamics. Seminars in Cell and Developmental Biology, 2010, 21, 558-565.	2.3	87
99	Mitophagy and Mitoptosis in Disease Processes. Methods in Molecular Biology, 2010, 648, 93-106.	0.4	32
100	Mitochondrial fission and fusion and their roles in the heart. Journal of Molecular Medicine, 2010, 88, 971-979.	1.7	39
101	Empowering self-renewal and differentiation: the role of mitochondria in stem cells. Journal of Molecular Medicine, 2010, 88, 981-986.	1.7	135
102	Persistent correction of hyperglycemia in streptozotocin-nicotinamide-induced diabetic mice by a non-conventional radical scavenger. Naunyn-Schmiedeberg's Archives of Pharmacology, 2010, 382, 127-137.	1.4	26
103	Mitochondrial retention of Opa1 is required for mouse embryogenesis. Mammalian Genome, 2010, 21, 350-360.	1.0	10
104	Oxidative stress and beta-cell dysfunction. Pflugers Archiv European Journal of Physiology, 2010, 460, 703-718.	1.3	239
105	Mitochondrial fusion and inheritance of the mitochondrial genome. Journal of Plant Research, 2010, 123, 131-138.	1.2	29
106	Mitochondrial dynamics, cell death and the pathogenesis of Parkinsonâ€™s disease. Apoptosis: an International Journal on Programmed Cell Death, 2010, 15, 1336-1353.	2.2	77
107	Mitochondrial DNA Content in Human Omental Adipose Tissue. Obesity Surgery, 2010, 20, 84-92.	1.1	31
108	Perspectives on the mesenchymal origin of metastatic cancer. Cancer and Metastasis Reviews, 2010, 29, 695-707.	2.7	50

#	ARTICLE	IF	CITATIONS
109	Cancer as a metabolic disease. <i>Nutrition and Metabolism</i> , 2010, 7, 7.	1.3	494
110	Mitochondria fine-tune the slow Ca <sup>2+</sup> transients induced by electrical stimulation of skeletal myotubes. <i>Cell Calcium</i> , 2010, 48, 358-370.	1.1	42
111	Modeling membrane shaping by proteins: Focus on EHD2 and N-BAR domains. <i>FEBS Letters</i> , 2010, 584, 1830-1839.	1.3	57
112	Processing of the dynamin Msp1p in <i>S. pombe</i> reveals an evolutionary switch between its orthologs Mgm1p in <i>S. cerevisiae</i> and OPA1 in mammals. <i>FEBS Letters</i> , 2010, 584, 3153-3157.	1.3	12
113	Complex patterns of mitochondrial dynamics in human pancreatic cells revealed by fluorescent confocal imaging. <i>Journal of Cellular and Molecular Medicine</i> , 2010, 14, 417-425.	1.6	18
114	Mitochondrial dynamics and its responds to proteasome defection during <i>Picea wilsonii</i> pollen tube development. <i>Cell Biochemistry and Function</i> , 2010, 28, 420-425.	1.4	10
115	<i>Drosophila</i> mitoferrin is essential for male fertility: evidence for a role of mitochondrial iron metabolism during spermatogenesis. <i>BMC Developmental Biology</i> , 2010, 10, 68.	2.1	62
116	Mitochondrial functional impairment with aging is exaggerated in isolated mitochondria compared to permeabilized myofibers. <i>Aging Cell</i> , 2010, 9, 1032-1046.	3.0	186
117	Mitochondrial diseases and the role of the yeast models. <i>FEMS Yeast Research</i> , 2010, 10, 1006-1022.	1.1	40
118	Inhibition of mitochondrial fusion by $\alpha$ -synuclein is rescued by PINK1, Parkin and DJ-1. <i>EMBO Journal</i> , 2010, 29, 3571-3589.	3.5	431
119	The BH3-only Bnip3 binds to the dynamin Opa1 to promote mitochondrial fragmentation and apoptosis by distinct mechanisms. <i>EMBO Reports</i> , 2010, 11, 459-465.	2.0	150
120	Nitric oxide inhibition of Drp1-mediated mitochondrial fission is critical for myogenic differentiation. <i>Cell Death and Differentiation</i> , 2010, 17, 1684-1696.	5.0	106
121	Human IRGM regulates autophagy and cell-autonomous immunity functions through mitochondria. <i>Nature Cell Biology</i> , 2010, 12, 1154-1165.	4.6	228
122	Fusing for stability. <i>Nature Reviews Molecular Cell Biology</i> , 2010, 11, 391-391.	16.1	6
123	Mitochondrial fusion and fission in cell life and death. <i>Nature Reviews Molecular Cell Biology</i> , 2010, 11, 872-884.	16.1	1,615
124	Physiological functions of mitochondrial fusion. <i>Annals of the New York Academy of Sciences</i> , 2010, 1201, 21-25.	1.8	185
126	<i>Drosophila</i> Porin/VDAC Affects Mitochondrial Morphology. <i>PLoS ONE</i> , 2010, 5, e13151.	1.1	57
127	Mitochondrial fission and fusion. <i>Essays in Biochemistry</i> , 2010, 47, 85-98.	2.1	209



#	ARTICLE	IF	CITATIONS
128	Mitochondrial myopathies. , 0, , 363-389.		1
129	The AAA <sup>+</sup> ATPase ATAD3A Controls Mitochondrial Dynamics at the Interface of the Inner and Outer Membranes. <i>Molecular and Cellular Biology</i> , 2010, 30, 1984-1996.	1.1	124
130	OPA1 disease alleles causing dominant optic atrophy have defects in cardiolipin-stimulated GTP hydrolysis and membrane tubulation. <i>Human Molecular Genetics</i> , 2010, 19, 2113-2122.	1.4	190
131	Identification and Characterization of Unique Proline-rich Peptides Binding to the Mitochondrial Fission Protein hFis1. <i>Journal of Biological Chemistry</i> , 2010, 285, 620-630.	1.6	16
132	Mdm36 Is a Mitochondrial Fission-promoting Protein in <i>Saccharomyces cerevisiae</i> . <i>Molecular Biology of the Cell</i> , 2010, 21, 2443-2452.	0.9	48
133	Mitochondria on Guard: Role of Mitochondrial Fusion and Fission in the Regulation of Apoptosis. <i>Advances in Experimental Medicine and Biology</i> , 2010, 687, 131-142.	0.8	65
134	Label-free imaging of heme proteins with two-photon excited photothermal lens microscopy. <i>Applied Physics Letters</i> , 2010, 96, .	1.5	76
135	Light Microscopic Analysis of Mitochondrial Heterogeneity in Cell Populations and Within Single Cells. <i>Advances in Biochemical Engineering/Biotechnology</i> , 2010, 124, 1-19.	0.6	8
136	Mitochondrial Turnover and Aging of Long-Lived Postmitotic Cells: The Mitochondrial Lysosomal Axis Theory of Aging. <i>Antioxidants and Redox Signaling</i> , 2010, 12, 503-535.	2.5	401
137	Activity-Dependent Regulation of Mitochondrial Motility by Calcium and Na/K-ATPase at Nodes of Ranvier of Myelinated Nerves. <i>Journal of Neuroscience</i> , 2010, 30, 3555-3566.	1.7	101
138	Perturbations in Mitochondrial Dynamics Induced by Human Mutant PINK1 Can Be Rescued by the Mitochondrial Division Inhibitor mdivi-1. <i>Journal of Biological Chemistry</i> , 2010, 285, 11740-11752.	1.6	178
139	Expression of mitofusin 2R94Q in a transgenic mouse leads to Charcot-Marie-Tooth neuropathy type 2A. <i>Brain</i> , 2010, 133, 1460-1469.	3.7	102
140	Mitochondrial Dysfunction. , 2010, , 181-184.		0
141	Regulation of mitochondrial processes: A target for heart failure. <i>Drug Discovery Today Disease Mechanisms</i> , 2010, 7, e95-e102.	0.8	54
142	Analysis of Video-Based Microscopic Particle Trajectories Using Kalman Filtering. <i>Biophysical Journal</i> , 2010, 98, 2822-2830.	0.2	14
143	Analysis of Mitochondrial Dynamics and Functions Using Imaging Approaches. <i>Current Protocols in Cell Biology</i> , 2010, 46, Unit 4.25.1-21.	2.3	98
144	Somatic Mitochondrial DNA Mutations in Mammalian Aging. <i>Annual Review of Biochemistry</i> , 2010, 79, 683-706.	5.0	456
145	Neuronal Calcium Signaling, Mitochondrial Dysfunction, and Alzheimer's Disease. <i>Journal of Alzheimer's Disease</i> , 2010, 20, S487-S498.	1.2	129

#	ARTICLE	IF	CITATIONS
146	Mitochondrial fission/fusion dynamics and apoptosis. <i>Mitochondrion</i> , 2010, 10, 640-648.	1.6	192
147	Mitochondrial dysfunction in Parkinson's disease. <i>Biochimica Et Biophysica Acta - Molecular Basis of Disease</i> , 2010, 1802, 29-44.	1.8	481
148	Mitochondrial trafficking and morphology in neuronal injury. <i>Biochimica Et Biophysica Acta - Molecular Basis of Disease</i> , 2010, 1802, 143-150.	1.8	62
149	Upregulation of mitochondrial function and antioxidant defense in the differentiation of stem cells. <i>Biochimica Et Biophysica Acta - General Subjects</i> , 2010, 1800, 257-263.	1.1	63
150	The dynamics of cardiolipin synthesis post-mitochondrial fusion. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2010, 1798, 1577-1585.	1.4	23
151	Mitochondrial Fusion Is Required for mtDNA Stability in Skeletal Muscle and Tolerance of mtDNA Mutations. <i>Cell</i> , 2010, 141, 280-289.	13.5	997
152	Mitochondrial Dysfunction in NnaD Mutant Flies and Purkinje Cell Degeneration Mice Reveals a Role for Nna Proteins in Neuronal Bioenergetics. <i>Neuron</i> , 2010, 66, 835-847.	3.8	40
153	Mitochondria, reactive oxygen species and cadmium toxicity in the kidney. <i>Toxicology Letters</i> , 2010, 198, 49-55.	0.4	269
154	Mitochondrial dynamics in model organisms: What yeasts, worms and flies have taught us about fusion and fission of mitochondria. <i>Seminars in Cell and Developmental Biology</i> , 2010, 21, 542-549.	2.3	86
155	OPA1 (dys)functions. <i>Seminars in Cell and Developmental Biology</i> , 2010, 21, 593-598.	2.3	50
156	Mitochondria and Neuroplasticity. <i>ASN Neuro</i> , 2010, 2, AN20100019.	1.5	337
157	Abnormalities in Mitochondrial Structure in Cells from Patients with Bipolar Disorder. <i>American Journal of Pathology</i> , 2010, 177, 575-585.	1.9	216
158	Mammalian mitochondrial proteomics: insights into mitochondrial functions and mitochondria-related diseases. <i>Expert Review of Proteomics</i> , 2010, 7, 333-345.	1.3	29
159	Adaptive Changes of the Yeast Mitochondrial Proteome in Response to Salt Stress. <i>OMICS A Journal of Integrative Biology</i> , 2010, 14, 541-552.	1.0	16
160	Mammalian Mitochondrial Complex I: Biogenesis, Regulation, and Reactive Oxygen Species Generation. <i>Antioxidants and Redox Signaling</i> , 2010, 12, 1431-1470.	2.5	353
162	Sensory Neuropathy Attributable to Loss of Bcl-w. <i>Journal of Neuroscience</i> , 2011, 31, 1624-1634.	1.7	46
163	Relationships Between Mitochondrial Dynamics and Bioenergetics. , 2011, , 47-68.		7
164	Mitochondrial DNA mutations in disease and aging. <i>Journal of Cell Biology</i> , 2011, 193, 809-818.	2.3	242

#	ARTICLE	IF	CITATIONS
165	Mitochondrial nuclear epistasis: Implications for human aging and longevity. <i>Ageing Research Reviews</i> , 2011, 10, 238-252.	5.0	53
166	Mitochondrial Fusion: Bax to the Fussure. <i>Developmental Cell</i> , 2011, 20, 142-143.	3.1	9
167	Vectors for fluorescent protein tagging in <i>Phytophthora</i> : tools for functional genomics and cell biology. <i>Fungal Biology</i> , 2011, 115, 882-890.	1.1	42
168	Dynamic regulation of mitochondrial function in preimplantation embryos and embryonic stem cells. <i>Mitochondrion</i> , 2011, 11, 829-838.	1.6	32
169	Calcium-dependent mitochondrial extrusion in ciliated protozoa. <i>Mitochondrion</i> , 2011, 11, 909-918.	1.6	21
170	Mitophagy: the latest problem for Parkinson's disease. <i>Trends in Molecular Medicine</i> , 2011, 17, 158-165.	3.5	143
171	Mitofusins are required for angiogenic function and modulate different signaling pathways in cultured endothelial cells. <i>Journal of Molecular and Cellular Cardiology</i> , 2011, 51, 885-893.	0.9	84
173	The Mitochondrial Electron Transport Chain Is Dispensable for Proliferation and Differentiation of Epidermal Progenitor Cells. <i>Stem Cells</i> , 2011, 29, 1459-1468.	1.4	51
174	RALA and RALBP1 regulate mitochondrial fission at mitosis. <i>Nature Cell Biology</i> , 2011, 13, 1108-1115.	4.6	327
175	Mitochondrial Dynamics: a Potential New Therapeutic Target for Heart Failure. <i>Revista Espanola De Cardiologia (English Ed)</i> , 2011, 64, 916-923.	0.4	51
176	Mitochondria as protean organelles: membrane processes that influence mitochondrial shape in yeast. <i>General Physiology and Biophysics</i> , 2011, 30, 13-24.	0.4	3
177	Mitochondria and Parkinson's Disease. <i>Parkinson's Disease</i> , 2011, 2011, 1-2.	0.6	3
178	Mitochondrial Dysfunction: The Road to Alpha-Synuclein Oligomerization in PD. <i>Parkinson's Disease</i> , 2011, 2011, 1-20.	0.6	62
179	Mitochondrial Fusion/Fission, Transport and Autophagy in Parkinson's Disease: When Mitochondria Get Nasty. <i>Parkinson's Disease</i> , 2011, 2011, 1-13.	0.6	43
180	Energy Metabolism in H460 Lung Cancer Cells: Effects of Histone Deacetylase Inhibitors. <i>PLoS ONE</i> , 2011, 6, e22264.	1.1	45
181	Regulation of Mitochondrial Biogenesis in Metabolic Syndrome. <i>Current Drug Targets</i> , 2011, 12, 872-878.	1.0	20
182	Isolated Mitochondrial Complex I Deficiency: Explorative Data Analysis of Patient Cell Parameters. <i>Current Pharmaceutical Design</i> , 2011, 17, 4023-4033.	0.9	28
183	Thymosin $\beta_4$ knockdown disrupts mitochondrial functions of SW480 human colon cancer cells. <i>Cancer Science</i> , 2011, 102, 1665-1672.	1.7	8

#	ARTICLE	IF	CITATIONS
184	DLP1â€‘dependent mitochondrial fragmentation mediates 1â€‘methylâ€‘4â€‘phenylpyridinium toxicity in neurons: implications for Parkinsonâ€‘s disease. <i>Aging Cell</i> , 2011, 10, 807-823.	3.0	113
185	Mitochondria in innate immune responses. <i>Nature Reviews Immunology</i> , 2011, 11, 389-402.	10.6	1,062
186	Fis1 and Bap31 bridge the mitochondria-ER interface to establish a platform for apoptosis induction. <i>EMBO Journal</i> , 2011, 30, 556-568.	3.5	402
187	Innerâ€‘membrane proteins PMI/TMEM11 regulate mitochondrial morphogenesis independently of the DRP1/MFN fission/fusion pathways. <i>EMBO Reports</i> , 2011, 12, 223-230.	2.0	33
188	Fusing a lasting relationship between ER tubules. <i>Trends in Cell Biology</i> , 2011, 21, 416-423.	3.6	26
189	Apoptosis inducing factor deficiency causes reduced mitofusion 1 expression and patterned Purkinje cell degeneration. <i>Neurobiology of Disease</i> , 2011, 41, 445-457.	2.1	15
190	3rd International Genome Dynamics in Neuroscience Conference: â€‘DNA repair and neurological diseaseâ€‘. <i>Mechanisms of Ageing and Development</i> , 2011, 132, 353-354.	2.2	0
191	The MEF2 gene is essential for yeast longevity, with a dual role in cell respiration and maintenance of mitochondrial membrane potential. <i>FEBS Letters</i> , 2011, 585, 1140-1146.	1.3	10
192	N-acetylglucosamine transferase is an integral component of a kinesin-directed mitochondrial trafficking complex. <i>Biochimica Et Biophysica Acta - Molecular Cell Research</i> , 2011, 1813, 269-281.	1.9	29
193	The regulation of mitochondrial morphology: Intricate mechanisms and dynamic machinery. <i>Cellular Signalling</i> , 2011, 23, 1534-1545.	1.7	236
194	Segmentation of mitochondria in fluorescence micrographs by SVM. , 2011, , .		3
195	Drosophila tumor suppressor merlin is essential for mitochondria morphogenesis during spermatogenesis in <i>Drosophila melanogaster</i> . <i>Cell and Tissue Biology</i> , 2011, 5, 136-143.	0.2	3
196	Metabolic manipulators: a well founded strategy to combat mitochondrial dysfunction. <i>Journal of Inherited Metabolic Disease</i> , 2011, 34, 315-325.	1.7	30
197	Expression of mitochondrial fusionâ€‘fission proteins during post-infarction remodeling: the effect of NHE-1 inhibition. <i>Basic Research in Cardiology</i> , 2011, 106, 99-109.	2.5	85
198	Hypoxia in the regulation of neural stem cells. <i>Cellular and Molecular Life Sciences</i> , 2011, 68, 2831-2844.	2.4	98
199	Dynamic regulation of mitochondrial network and oxidative functions during 3T3-L1 fat cell differentiation. <i>Journal of Physiology and Biochemistry</i> , 2011, 67, 285-296.	1.3	54
200	The <i>C. elegans</i> Bâ€‘cell lymphoma 2 (Bclâ€‘2) homolog cell death abnormal 9 (CEDâ€‘9) associates with and remodels LIPID membranes. <i>Protein Science</i> , 2011, 20, 62-74.	3.1	6
201	Detection of mitochondrial fission with orientationâ€‘dependent optical Fourier filters. <i>Cytometry Part A: the Journal of the International Society for Analytical Cytology</i> , 2011, 79A, 137-148.	1.1	10

#	ARTICLE	IF	CITATIONS
203	Electrochemical Signals of Mitochondria: A New Probe of Their Membrane Properties. <i>Angewandte Chemie - International Edition</i> , 2011, 50, 6872-6875.	7.2	18
204	Selective Imaging of Mitochondrial Surfaces with Novel Fluorescent Probes. <i>ChemBioChem</i> , 2011, 12, 2120-2121.	1.3	10
205	Marine Natural Product Aurilide Activates the OPA1-Mediated Apoptosis by Binding to Prohibitin. <i>Chemistry and Biology</i> , 2011, 18, 131-139.	6.2	112
206	Mitochondrial autophagy in neural function, neurodegenerative disease, neuron cell death, and aging. <i>Neurobiology of Disease</i> , 2011, 43, 46-51.	2.1	119
207	Mitochondrial Localization and Regulation of BRAFV600E in Thyroid Cancer: A Clinically Used RAF Inhibitor Is Unable to Block the Mitochondrial Activities of BRAFV600E. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2011, 96, E19-E30.	1.8	51
208	Trafficking Kinesin Protein (TRAK)-mediated Transport of Mitochondria in Axons of Hippocampal Neurons. <i>Journal of Biological Chemistry</i> , 2011, 286, 18079-18092.	1.6	152
209	Mitofusin-2 Maintains Mitochondrial Structure and Contributes to Stress-Induced Permeability Transition in Cardiac Myocytes. <i>Molecular and Cellular Biology</i> , 2011, 31, 1309-1328.	1.1	306
210	Diabetic Retinopathy and Damage to Mitochondrial Structure and Transport Machinery. , 2011, 52, 8739.		89
211	Ugo1 and Mdm30 act sequentially during Fzo1-mediated mitochondrial outer membrane fusion. <i>Journal of Cell Science</i> , 2011, 124, 1126-1135.	1.2	77
212	Mitochondrial Abnormalities in Alzheimer Disease. <i>Microscopy and Microanalysis</i> , 2011, 17, 200-201.	0.2	1
213	<i>Listeria monocytogenes</i> transiently alters mitochondrial dynamics during infection. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2011, 108, 3612-3617.	3.3	205
214	Parkin Ubiquitinates Drp1 for Proteasome-dependent Degradation. <i>Journal of Biological Chemistry</i> , 2011, 286, 11649-11658.	1.6	310
215	Age-Dependent Association of the Polymorphisms in the Mitochondria-Shaping Gene, OPA1, With Blood Pressure and Hypertension in Korean Population. <i>American Journal of Hypertension</i> , 2011, 24, 1127-1135.	1.0	26
216	A Mutation in the Gene Encoding Mitochondrial Mg <sup>2+</sup> Channel MRS2 Results in Demyelination in the Rat. <i>PLoS Genetics</i> , 2011, 7, e1001262.	1.5	43
217	Automatic Morphological Subtyping Reveals New Roles of Caspases in Mitochondrial Dynamics. <i>PLoS Computational Biology</i> , 2011, 7, e1002212.	1.5	110
218	Emergence of the Mitochondrial Reticulum from Fission and Fusion Dynamics. <i>PLoS Computational Biology</i> , 2012, 8, e1002745.	1.5	68
219	Defective Mitochondrial Function and Motility Due to Mitofusin 1 Overexpression in Insulin Secreting Cells. <i>Korean Journal of Physiology and Pharmacology</i> , 2012, 16, 71.	0.6	12
220	Deceleration of Fusion/Fission Cycles Improves Mitochondrial Quality Control during Aging. <i>PLoS Computational Biology</i> , 2012, 8, e1002576.	1.5	81

#	ARTICLE	IF	CITATIONS
221	Axonal transport deficits and degeneration can evolve independently in mouse models of amyotrophic lateral sclerosis. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2012, 109, 4296-4301.	3.3	100
222	PARK9-associated ATP13A2 localizes to intracellular acidic vesicles and regulates cation homeostasis and neuronal integrity. <i>Human Molecular Genetics</i> , 2012, 21, 1725-1743.	1.4	143
223	Microtubule Affinity-regulating Kinase 2 (MARK2) Turns on Phosphatase and Tensin Homolog (PTEN)-induced Kinase 1 (PINK1) at Thr-313, a Mutation Site in Parkinson Disease. <i>Journal of Biological Chemistry</i> , 2012, 287, 8174-8186.	1.6	56
224	Mitochondrial Fission Contributes to Mitochondrial Dysfunction and Insulin Resistance in Skeletal Muscle. <i>Molecular and Cellular Biology</i> , 2012, 32, 309-319.	1.1	515
225	Heterogeneity in Mitochondrial Morphology and Membrane Potential Is Independent of the Nuclear Division Cycle in Multinucleate Fungal Cells. <i>Eukaryotic Cell</i> , 2012, 11, 353-367.	3.4	14
226	Crystal Structure of Mitochondrial Fission Complex Reveals Scaffolding Function for Mitochondrial Division 1 (Mdv1) Coiled Coil. <i>Journal of Biological Chemistry</i> , 2012, 287, 9855-9861.	1.6	22
227	Mitofilin complexes: conserved organizers of mitochondrial membrane architecture. <i>Biological Chemistry</i> , 2012, 393, 1247-1261.	1.2	111
228	Neural and Molecular Features on Charcot-Marie-Tooth Disease Plasticity and Therapy. <i>Neural Plasticity</i> , 2012, 2012, 1-11.	1.0	14
229	Redox Regulation of Protein Function via Cysteine S-Nitrosylation and Its Relevance to Neurodegenerative Diseases. <i>International Journal of Cell Biology</i> , 2012, 2012, 1-9.	1.0	46
230	The Phosphorylation-Dependent Regulation of Mitochondrial Proteins in Stress Responses. <i>Journal of Signal Transduction</i> , 2012, 2012, 1-12.	2.0	44
231	Mitofusins 1 and 2 Are Essential for Postnatal Metabolic Remodeling in Heart. <i>Circulation Research</i> , 2012, 111, 1012-1026.	2.0	198
232	Mechanisms of AIDS-related lymphoma pathogenesis. <i>Future Virology</i> , 2012, 7, 229-238.	0.9	3
233	Loss of mitochondrial protease OMA1 alters processing of the GTPase OPA1 and causes obesity and defective thermogenesis in mice. <i>EMBO Journal</i> , 2012, 31, 2117-2133.	3.5	230
234	Mitochondria and Drugs. <i>Advances in Experimental Medicine and Biology</i> , 2012, 942, 329-346.	0.8	40
235	Loss of Mfn2 results in progressive, retrograde degeneration of dopaminergic neurons in the nigrostriatal circuit. <i>Human Molecular Genetics</i> , 2012, 21, 4817-4826.	1.4	144
236	Rhomboid Protease PARL Mediates the Mitochondrial Membrane Potential Loss-induced Cleavage of PGAM5. <i>Journal of Biological Chemistry</i> , 2012, 287, 34635-34645.	1.6	151
237	Autophagy in adipose tissue biology. <i>Pharmacological Research</i> , 2012, 66, 505-512.	3.1	81
238	Dynamin, a membrane-remodelling GTPase. <i>Nature Reviews Molecular Cell Biology</i> , 2012, 13, 75-88.	16.1	807

#	ARTICLE	IF	CITATIONS
239	Mitochondrial Fusion, Fission, and Biogenesis in Prolonged Critically Ill Patients. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2012, 97, E59-E64.	1.8	36
240	Extracellular signal-regulated kinase is involved in alpha-synuclein-induced mitochondrial dynamic disorders by regulating dynamin-like protein 1. <i>Neurobiology of Aging</i> , 2012, 33, 2841-2854.	1.5	53
241	p53-TIGAR axis attenuates mitophagy to exacerbate cardiac damage after ischemia. <i>Journal of Molecular and Cellular Cardiology</i> , 2012, 52, 175-184.	0.9	153
242	Mechanisms of mitochondrial diseases. <i>Annals of Medicine</i> , 2012, 44, 41-59.	1.5	149
243	Super-resolution fluorescence imaging of organelles in live cells with photoswitchable membrane probes. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2012, 109, 13978-13983.	3.3	439
244	Phosphatidic acid mediates the targeting of tBid to induce lysosomal membrane permeabilization and apoptosis. <i>Journal of Lipid Research</i> , 2012, 53, 2102-2114.	2.0	42
245	Parkinson's disease-associated DJ-1 mutations impair mitochondrial dynamics and cause mitochondrial dysfunction. <i>Journal of Neurochemistry</i> , 2012, 121, 830-839.	2.1	174
246	Mitochondrial Localization of Telomeric Protein TIN2 Links Telomere Regulation to Metabolic Control. <i>Molecular Cell</i> , 2012, 47, 839-850.	4.5	84
247	Mitochondrial dysfunction in Parkinson's disease: molecular mechanisms and pathophysiological consequences. <i>EMBO Journal</i> , 2012, 31, 3038-3062.	3.5	487
248	Mitochondrial dynamics and neuronal fate in Parkinson's disease. <i>Mitochondrion</i> , 2012, 12, 428-437.	1.6	48
249	Mitochondrial membrane permeabilization upon interaction with lysozyme fibrillation products: Role of mitochondrial heterogeneity. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2012, 1818, 2149-2157.	1.4	12
250	Standardized mitochondrial analysis gives new insights into mitochondrial dynamics and OPA1 function. <i>International Journal of Biochemistry and Cell Biology</i> , 2012, 44, 980-988.	1.2	34
251	Viral Infection Brings Mitochondrial Traffic to a Standstill. <i>Cell Host and Microbe</i> , 2012, 11, 420-421.	5.1	2
253	Mitochondrial respiratory chain dysfunction: Implications in neurodegeneration. <i>Free Radical Biology and Medicine</i> , 2012, 53, 595-609.	1.3	132
254	Mouse lines with photoactivatable mitochondria to study mitochondrial dynamics. <i>Genesis</i> , 2012, 50, 833-843.	0.8	176
255	Mitochondrial fission and fusion in <i>Dictyostelium discoideum</i> : a search for proteins involved in membrane dynamics. <i>BMC Research Notes</i> , 2012, 5, 505.	0.6	18
256	Mitochondrial Ca <sup>2+</sup> mobilization is a key element in olfactory signaling. <i>Nature Neuroscience</i> , 2012, 15, 754-762.	7.1	64
257	Mitochondrial Dysfunction in Genetic Animal Models of Parkinson's Disease. <i>Antioxidants and Redox Signaling</i> , 2012, 16, 896-919.	2.5	77

#	ARTICLE	IF	CITATIONS
260	The ubiquitin/proteasome system-dependent control of mitochondrial steps in apoptosis. <i>Seminars in Cell and Developmental Biology</i> , 2012, 23, 499-508.	2.3	26
261	Mitochondrial Abnormalities in Alzheimer's Disease. <i>Advances in Pharmacology</i> , 2012, 64, 83-126.	1.2	66
262	Mitochondrial Biology and Parkinson's Disease. <i>Cold Spring Harbor Perspectives in Medicine</i> , 2012, 2, a009332-a009332.	2.9	232
263	Bioenergetic role of mitochondrial fusion and fission. <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 2012, 1817, 1833-1838.	0.5	537
264	OXPHOS Supercomplexes as a Hallmark of the Mitochondrial Phenotype of Adipogenic Differentiated Human MSCs. <i>PLoS ONE</i> , 2012, 7, e35160.	1.1	83
265	A Faster, High Resolution, mtPA-GFP-based Mitochondrial Fusion Assay Acquiring Kinetic Data of Multiple Cells in Parallel Using Confocal Microscopy. <i>Journal of Visualized Experiments</i> , 2012, , e3991.	0.2	13
266	A New Link to Mitochondrial Impairment in Tauopathies. <i>Molecular Neurobiology</i> , 2012, 46, 205-216.	1.9	109
267	Efficient and accurate analysis of mitochondrial morphology in a whole cell with a high-voltage electron microscopy. <i>Microscopy (Oxford, England)</i> , 2012, 61, 127-131.	0.7	6
268	Advances in Mitochondrial Medicine. <i>Advances in Experimental Medicine and Biology</i> , 2012, , .	0.8	17
269	The <i>Drosophila</i> inner-membrane protein PMI controls cristae biogenesis and mitochondrial diameter. <i>Journal of Cell Science</i> , 2013, 126, 814-24.	1.2	22
270	Mitochondrial function in vascular endothelial cell in diabetes. <i>Journal of Smooth Muscle Research</i> , 2012, 48, 1-26.	0.7	71
271	Mitochondrial transport in neurons: impact on synaptic homeostasis and neurodegeneration. <i>Nature Reviews Neuroscience</i> , 2012, 13, 77-93.	4.9	678
272	Abnormal Mitochondrial Dynamics in the Pathogenesis of Alzheimer's Disease. <i>Journal of Alzheimer's Disease</i> , 2012, 33, S253-S262.	1.2	166
273	Bax regulates primary necrosis through mitochondrial dynamics. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2012, 109, 6566-6571.	3.3	250
274	Thyrotropin-Releasing Hormone Controls Mitochondrial Biology in Human Epidermis. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2012, 97, 978-986.	1.8	43
275	Dynamic changes of mitochondrial fusion and fission proteins after transient cerebral ischemia in mice. <i>Journal of Neuroscience Research</i> , 2012, 90, 1183-1189.	1.3	53
276	The role of mitochondria in insulin resistance and type 2 diabetes mellitus. <i>Nature Reviews Endocrinology</i> , 2012, 8, 92-103.	4.3	471
277	Inhibition of mitochondrial fission prevents cell cycle progression in lung cancer. <i>FASEB Journal</i> , 2012, 26, 2175-2186.	0.2	458



#	ARTICLE	IF	CITATIONS
278	Targeting drugs to mitochondria. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2012, 82, 1-18.	2.0	136
279	Mitochondrial Dysfunction—A Pharmacological Target in Alzheimer's Disease. <i>Molecular Neurobiology</i> , 2012, 46, 136-150.	1.9	115
280	Mitochondrial Division in Rat Cardiomyocytes: An Electron Microscope Study. <i>Anatomical Record</i> , 2012, 295, 1455-1461.	0.8	39
281	Mitochondrial network in the heart. <i>Protein and Cell</i> , 2012, 3, 410-418.	4.8	24
282	mtDNA T8993G mutation-induced mitochondrial complex V inhibition augments cardiolipin-dependent alterations in mitochondrial dynamics during oxidative, Ca <sup>2+</sup> , and lipid insults in NARP cybrids: a potential therapeutic target for melatonin. <i>Journal of Pineal Research</i> , 2012, 52, 93-106.	3.4	28
283	Increased phosphorylation of dynamin-related protein 1 and mitochondrial fission in okadaic acid-treated neurons. <i>Brain Research</i> , 2012, 1454, 100-110.	1.1	33
284	Structural consequences after intravitreal bevacizumab injection without increasing apoptotic cell death in a retinopathy of prematurity mouse model. <i>Acta Ophthalmologica</i> , 2012, 90, 564-570.	0.6	30
285	A novel method to study the local mitochondrial fusion in myelinated axons in vivo. <i>Journal of Neuroscience Methods</i> , 2012, 207, 51-58.	1.3	9
286	Control of mitochondrial activity by miRNAs. <i>Journal of Cellular Biochemistry</i> , 2012, 113, 1104-1110.	1.2	113
287	Crosstalk between mitochondrial (dys)function and mitochondrial abundance. <i>Journal of Cellular Physiology</i> , 2012, 227, 2297-2310.	2.0	109
288	Parkin, PINK1 and mitochondrial integrity: emerging concepts of mitochondrial dysfunction in Parkinson's disease. <i>Acta Neuropathologica</i> , 2012, 123, 173-188.	3.9	118
289	Cytosolic p53 inhibits Parkin-mediated mitophagy and promotes mitochondrial dysfunction in the mouse heart. <i>Nature Communications</i> , 2013, 4, 2308.	5.8	412
290	Characterization of functionally distinct mitochondrial subpopulations. <i>Journal of Bioenergetics and Biomembranes</i> , 2013, 45, 87-99.	1.0	19
291	Insight into mammalian mitochondrial DNA segregation. <i>Annals of Medicine</i> , 2013, 45, 149-155.	1.5	19
292	Dominant GDAP1 founder mutation is a common cause of axonal Charcot-Marie-Tooth disease in Finland. <i>Neurogenetics</i> , 2013, 14, 123-132.	0.7	28
293	<i>Drosophila</i> male-sterile mutation emmenthal specifically affects the mitochondrial morphogenesis. <i>Protoplasma</i> , 2013, 250, 515-520.	1.0	6
294	Piceatannol Enhances Cisplatin Sensitivity in Ovarian Cancer via Modulation of p53, X-linked Inhibitor of Apoptosis Protein (XIAP), and Mitochondrial Fission. <i>Journal of Biological Chemistry</i> , 2013, 288, 23740-23750.	1.6	86
295	Inflammation-Induced Alteration of Astrocyte Mitochondrial Dynamics Requires Autophagy for Mitochondrial Network Maintenance. <i>Cell Metabolism</i> , 2013, 18, 844-859.	7.2	201

#	ARTICLE	IF	CITATIONS
296	Molecular signaling toward mitophagy and its physiological significance. <i>Experimental Cell Research</i> , 2013, 319, 1697-1705.	1.2	89
297	Peripheral neuropathy in mitochondrial disorders. <i>Lancet Neurology</i> , The, 2013, 12, 1011-1024.	4.9	101
298	Mitochondria-type GPAT is required for mitochondrial fusion. <i>EMBO Journal</i> , 2013, 32, 1265-1279.	3.5	44
299	APOE and neuroenergetics: an emerging paradigm in Alzheimer's disease. <i>Neurobiology of Aging</i> , 2013, 34, 1007-1017.	1.5	63
300	Rice bran extract protects from mitochondrial dysfunction in guinea pig brains. <i>Pharmacological Research</i> , 2013, 76, 17-27.	3.1	58
301	GTP-Dependent Membrane Fusion. <i>Annual Review of Cell and Developmental Biology</i> , 2013, 29, 529-550.	4.0	90
302	Chemical genetics unveils a key role of mitochondrial dynamics, cytochrome c release and IP3R activity in muscular dystrophy. <i>Human Molecular Genetics</i> , 2013, 22, 4562-4578.	1.4	34
303	Mitochondrial dynamics regulates migration and invasion of breast cancer cells. <i>Oncogene</i> , 2013, 32, 4814-4824.	2.6	575
304	Recent advances into the understanding of mitochondrial fission. <i>Biochimica Et Biophysica Acta - Molecular Cell Research</i> , 2013, 1833, 150-161.	1.9	219
305	Mitochondria in heart failure: the emerging role of mitochondrial dynamics. <i>Heart Failure Reviews</i> , 2013, 18, 439-456.	1.7	79
306	Mitochondrial dynamics: regulatory mechanisms and emerging role in renal pathophysiology. <i>Kidney International</i> , 2013, 83, 568-581.	2.6	298
307	Mitochondrial plasticity of the hippocampus in a genetic rat model of depression after antidepressant treatment. <i>Synapse</i> , 2013, 67, 127-134.	0.6	38
308	RNAi screening identifies GSK3 $\beta$ as a regulator of DRP1 and the neuroprotection of lithium chloride against elevated pressure involved in downregulation of DRP1. <i>Neuroscience Letters</i> , 2013, 554, 99-104.	1.0	27
309	Mitochondrial abnormalities in temporal lobe of autistic brain. <i>Neurobiology of Disease</i> , 2013, 54, 349-361.	2.1	164
310	Effect of myonuclear number and mitochondrial fusion on <i>Drosophila</i> indirect flight muscle organization and size. <i>Experimental Cell Research</i> , 2013, 319, 2566-2577.	1.2	19
311	Mitochondrial trafficking in neuropsychiatric diseases. <i>Neurobiology of Disease</i> , 2013, 51, 66-71.	2.1	19
312	N-terminal cleavage of the mitochondrial fusion GTPase OPA1 occurs via a caspase-independent mechanism in cerebellar granule neurons exposed to oxidative or nitrosative stress. <i>Brain Research</i> , 2013, 1494, 28-43.	1.1	18
313	Zonated induction of autophagy and mitochondrial spheroids limits acetaminophen-induced necrosis in the liver. <i>Redox Biology</i> , 2013, 1, 427-432.	3.9	106

#	ARTICLE	IF	CITATIONS
314	Mitochondrial DNA Oxidative Damage and Repair in Aging and Alzheimer's Disease. <i>Antioxidants and Redox Signaling</i> , 2013, 18, 2444-2457.	2.5	138
315	3-Î-Nitropropionic acid induces autophagy by forming mitochondrial permeability transition pores rather than activating the mitochondrial fission pathway. <i>British Journal of Pharmacology</i> , 2013, 168, 63-75.	2.7	47
316	LOW METABOLIC RATES IN SALAMANDERS ARE CORRELATED WITH WEAK SELECTIVE CONSTRAINTS ON MITOCHONDRIAL GENES. <i>Evolution; International Journal of Organic Evolution</i> , 2013, 67, 894-899.	1.1	40
317	The interplay of neuronal mitochondrial dynamics and bioenergetics: Implications for Parkinson's disease. <i>Neurobiology of Disease</i> , 2013, 51, 43-55.	2.1	112
318	Mutant SOD1G93A triggers mitochondrial fragmentation in spinal cord motor neurons: Neuroprotection by SIRT3 and PGC-1Î±. <i>Neurobiology of Disease</i> , 2013, 51, 72-81.	2.1	183
319	Selective mitochondrial staining with small fluorescent probes: importance, design, synthesis, challenges and trends for new markers. <i>RSC Advances</i> , 2013, 3, 5291.	1.7	78
320	Pharmacological approaches to restore mitochondrial function. <i>Nature Reviews Drug Discovery</i> , 2013, 12, 465-483.	21.5	323
321	Effects of transmembrane potential and pH gradient on the cytochrome c-promoted fusion of mitochondrial mimetic membranes. <i>Journal of Bioenergetics and Biomembranes</i> , 2013, 45, 421-430.	1.0	10
322	Preferential killing of human lung cancer cell lines with mitochondrial dysfunction by nonthermal dielectric barrier discharge plasma. <i>Cell Death and Disease</i> , 2013, 4, e642-e642.	2.7	170
323	Mitochondrial-Targeted Protective Properties of Isolated Diterpenoids from <i>Sideritis</i> spp. in Response to the Deleterious Changes Induced by H <sub>2</sub> O <sub>2</sub> . <i>Journal of Natural Products</i> , 2013, 76, 933-938.	1.5	7
324	Quality control of mitochondria during aging: Is there a good and a bad side of mitochondrial dynamics?. <i>BioEssays</i> , 2013, 35, 314-322.	1.2	24
325	Impairment of mitochondrial dynamics: a target for the treatment of neurological disorders?. <i>Future Neurology</i> , 2013, 8, 333-346.	0.9	3
326	Death receptors and mitochondria: Two prime triggers of neural apoptosis and differentiation. <i>Biochimica Et Biophysica Acta - General Subjects</i> , 2013, 1830, 2160-2166.	1.1	45
327	Mitochondrial-mediated antiviral immunity. <i>Biochimica Et Biophysica Acta - Molecular Cell Research</i> , 2013, 1833, 225-232.	1.9	98
328	Mitochondrial morphology transitions and functions: implications for retrograde signaling?. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2013, 304, R393-R406.	0.9	242
329	Dysfunctional mitochondrial bioenergetics and oxidative stress in Akita <sup>+/Ins2</sup> -derived Î²-cells. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2013, 305, E585-E599.	1.8	39
330	Functional Recovery of Human Cells Harboring the Mitochondrial DNA Mutation MERRF &lt;b&gt;&lt;i&gt;A8344G&lt;/i&gt;&lt;/b&gt; via Peptide-Mediated Mitochondrial Delivery. <i>NeuroSignals</i> , 2013, 21, 160-173.	0.5	62
331	Acute Inhibition of Excessive Mitochondrial Fission After Myocardial Infarction Prevents Long-term Cardiac Dysfunction. <i>Journal of the American Heart Association</i> , 2013, 2, e000461.	1.6	266

#	ARTICLE	IF	CITATIONS
332	p32 protein levels are integral to mitochondrial and endoplasmic reticulum morphology, cell metabolism and survival. <i>Biochemical Journal</i> , 2013, 453, 381-391.	1.7	61
333	Inhibition of Drp1-dependent mitochondrial division impairs myogenic differentiation. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2013, 305, R927-R938.	0.9	82
334	Adaptive mechanisms of mitochondria in response to exercise. <i>Vojnosanitetski Pregled</i> , 2013, 70, 1046-1050.	0.1	1
335	Optimal Dynamics for Quality Control in Spatially Distributed Mitochondrial Networks. <i>PLoS Computational Biology</i> , 2013, 9, e1003108.	1.5	54
336	Molecular dissection of IZUMO1, a sperm protein essential for sperm-egg fusion. <i>Development (Cambridge)</i> , 2013, 140, 3221-3229.	1.2	102
337	Uncoupling Protein 2 Impacts Endothelial Phenotype via p53-Mediated Control of Mitochondrial Dynamics. <i>Circulation Research</i> , 2013, 113, 891-901.	2.0	34
338	Mitochondrial Dynamics in Health and Disease. , 2013, , 329-342.		0
339	<sup>18</sup> F-FDG Labeling of Mesenchymal Stem Cells and Multipotent Adult Progenitor Cells for PET Imaging: Effects on Ultrastructure and Differentiation Capacity. <i>Journal of Nuclear Medicine</i> , 2013, 54, 447-454.	2.8	60
340	Stroke Neuroprotection: Targeting Mitochondria. <i>Brain Sciences</i> , 2013, 3, 540-560.	1.1	47
341	Mitochondrial Dysfunction in Cancer. <i>Frontiers in Oncology</i> , 2013, 3, 292.	1.3	382
342	The ALS disease-associated mutant TDP-43 impairs mitochondrial dynamics and function in motor neurons. <i>Human Molecular Genetics</i> , 2013, 22, 4706-4719.	1.4	251
343	Evolution Along the Mutation Gradient in the Dynamic Mitochondrial Genome of Salamanders. <i>Genome Biology and Evolution</i> , 2013, 5, 1652-1660.	1.1	10
344	String mitochondria in mouse soleus muscle. <i>Microscopy Research and Technique</i> , 2013, 76, 237-241.	1.2	6
345	The Parkinson's disease-associated gene <i>PINK1</i> protects neurons from ischemic damage by decreasing mitochondrial translocation of the fission promoter Drp1. <i>Journal of Neurochemistry</i> , 2013, 127, 711-722.	2.1	35
346	Melatonin attenuates methamphetamine-induced disturbances in mitochondrial dynamics and degeneration in neuroblastoma <i>SH-SY5Y</i> cells. <i>Journal of Pineal Research</i> , 2013, 55, 313-323.	3.4	47
347	Multiple Functions of BCL-2 Family Proteins. <i>Cold Spring Harbor Perspectives in Biology</i> , 2013, 5, a008722-a008722.	2.3	458
348	Suppressor of cytokine signaling 6 (SOCS6) promotes mitochondrial fission via regulating DRP1 translocation. <i>Cell Death and Differentiation</i> , 2013, 20, 139-153.	5.0	65
349	Cadmium induced Drp1-dependent mitochondrial fragmentation by disturbing calcium homeostasis in its hepatotoxicity. <i>Cell Death and Disease</i> , 2013, 4, e540-e540.	2.7	127

#	ARTICLE	IF	CITATIONS
350	The reciprocal roles of PARK2 and mitofusins in mitophagy and mitochondrial spheroid formation. <i>Autophagy</i> , 2013, 9, 1687-1692.	4.3	35
351	The mitochondrial transport protein SLC25A43 affects drug efficacy and drug-induced cell cycle arrest in breast cancer cell lines. <i>Oncology Reports</i> , 2013, 29, 1268-1274.	1.2	7
352	Apolipoprotein E as a $\beta$ -amyloid-independent factor in Alzheimer's disease. <i>Alzheimer's Research and Therapy</i> , 2013, 5, 38.	3.0	48
353	Insufficient Autophagy Contributes to Mitochondrial Dysfunction, Organ Failure, and Adverse Outcome in an Animal Model of Critical Illness*. <i>Critical Care Medicine</i> , 2013, 41, 182-194.	0.4	131
354	Over-Expressing Mitofusin-2 in Healthy Mature Mammalian Skeletal Muscle Does Not Alter Mitochondrial Bioenergetics. <i>PLoS ONE</i> , 2013, 8, e55660.	1.1	17
355	Tom70 Is Essential for PINK1 Import into Mitochondria. <i>PLoS ONE</i> , 2013, 8, e58435.	1.1	49
356	Mathematical Modeling of the Role of Mitochondrial Fusion and Fission in Mitochondrial DNA Maintenance. <i>PLoS ONE</i> , 2013, 8, e76230.	1.1	62
357	Canonical Wnt signaling protects hippocampal neurons from $A\beta$ oligomers: role of non-canonical Wnt-5a/Ca <sup>2+</sup> in mitochondrial dynamics. <i>Frontiers in Cellular Neuroscience</i> , 2013, 7, 97.	1.8	77
358	Obesity Affects Mitochondrial Citrate Synthase in Human Omental Adipose Tissue. <i>ISRN Obesity</i> , 2013, 2013, 1-8.	2.2	30
359	Deconstructing Mitochondrial Dysfunction in Alzheimer Disease. <i>Oxidative Medicine and Cellular Longevity</i> , 2013, 2013, 1-13.	1.9	98
360	Prohibitin 2 Regulates the Proliferation and Lineage-Specific Differentiation of Mouse Embryonic Stem Cells in Mitochondria. <i>PLoS ONE</i> , 2014, 9, e81552.	1.1	31
361	Characterization of Interstitial Cajal Progenitors Cells and Their Changes in Hirschsprung's Disease. <i>PLoS ONE</i> , 2014, 9, e86100.	1.1	17
362	Impaired Mitochondrial Dynamics and Bioenergetics in Diabetic Skeletal Muscle. <i>PLoS ONE</i> , 2014, 9, e92810.	1.1	105
363	A Microfluidic Platform for Correlative Live-Cell and Super-Resolution Microscopy. <i>PLoS ONE</i> , 2014, 9, e115512.	1.1	41
364	Morphological and bioenergetic demands underlying the mitophagy in post-mitotic neurons: the parkin pathway. <i>Frontiers in Aging Neuroscience</i> , 2014, 6, 18.	1.7	62
365	Ryanodine receptor-mediated Ca <sup>2+</sup> release underlies iron-induced mitochondrial fission and stimulates mitochondrial Ca <sup>2+</sup> uptake in primary hippocampal neurons. <i>Frontiers in Molecular Neuroscience</i> , 2014, 7, 13.	1.4	25
366	A dynamin-related protein contributes to <i>Trichomonas vaginalis</i> hydrogenosomal fission. <i>FASEB Journal</i> , 2014, 28, 1113-1121.	0.2	23
367	TRNA mutations that affect decoding fidelity deregulate development and the proteostasis network in zebrafish. <i>RNA Biology</i> , 2014, 11, 1199-1213.	1.5	20

#	ARTICLE	IF	CITATIONS
368	The Effects of NAD <sup>+</sup> on Apoptotic Neuronal Death and Mitochondrial Biogenesis and Function after Glutamate Excitotoxicity. <i>International Journal of Molecular Sciences</i> , 2014, 15, 20449-20468.	1.8	32
369	Myo19 Ensures Symmetric Partitioning of Mitochondria and Coupling of Mitochondrial Segregation to Cell Division. <i>Current Biology</i> , 2014, 24, 2598-2605.	1.8	76
370	Exercise Pretreatment Promotes Mitochondrial Dynamic Protein OPA1 Expression after Cerebral Ischemia in Rats. <i>International Journal of Molecular Sciences</i> , 2014, 15, 4453-4463.	1.8	38
371	The Mitochondrial Fusion-Related Proteins Mfn2 and OPA1 are Transcriptionally Induced during Differentiation of Bone Marrow Progenitors to Immature Dendritic Cells. <i>Molecules and Cells</i> , 2015, 38, 89-94.	1.0	32
372	Lamivudine/telbivudine-associated neuromyopathy: neurogenic damage, mitochondrial dysfunction and mitochondrial DNA depletion. <i>Journal of Clinical Pathology</i> , 2014, 67, 999-1005.	1.0	27
373	Putative Role of Adipose Tissue in Growth and Metabolism of Colon Cancer Cells. <i>Frontiers in Oncology</i> , 2014, 4, 164.	1.3	52
374	Increased vulnerability with aging to MPTP: the mechanisms underlying mitochondrial dynamics. <i>Neurological Research</i> , 2014, 36, 722-732.	0.6	12
375	MFN1 deacetylation activates adaptive mitochondrial fusion and protects metabolically challenged mitochondria. <i>Journal of Cell Science</i> , 2014, 127, 4954-63.	1.2	91
376	Oxidative stress-mediated activation of extracellular signal-regulated kinase contributes to mild cognitive impairment-related mitochondrial dysfunction. <i>Free Radical Biology and Medicine</i> , 2014, 75, 230-240.	1.3	55
377	Opposite effects of 17- $\beta$ estradiol and testosterone on mitochondrial biogenesis and adiponectin synthesis in white adipocytes. <i>Journal of Molecular Endocrinology</i> , 2014, 52, 203-214.	1.1	54
378	Acidosis overrides oxygen deprivation to maintain mitochondrial function and cell survival. <i>Nature Communications</i> , 2014, 5, 3550.	5.8	141
379	Mitochondrial reactive oxygen species (ROS) in animal cells: relevance to aging and normal physiology. <i>Canadian Journal of Zoology</i> , 2014, 92, 603-613.	0.4	10
380	Excess visceral adiposity induces alterations in mitochondrial function and energy metabolism in esophageal adenocarcinoma. <i>BMC Cancer</i> , 2014, 14, 907.	1.1	21
381	The impact of mitochondrial function/dysfunction on IVF and new treatment possibilities for infertility. <i>Reproductive Biology and Endocrinology</i> , 2014, 12, 111.	1.4	119
382	The Emerging Role of Mitochondrial Dynamics in Cardiovascular Disease. , 2014, , 499-530.		0
383	Mitochondria, endothelial cell function, and vascular diseases. <i>Frontiers in Physiology</i> , 2014, 5, 175.	1.3	268
384	Regulation of Mitochondrial Function by MicroRNA. , 2014, , 59-80.		0
385	Knockdown of TWIST1 enhances arsenic trioxide- and ionizing radiation-induced cell death in lung cancer cells by promoting mitochondrial dysfunction. <i>Biochemical and Biophysical Research Communications</i> , 2014, 449, 490-495.	1.0	12

#	ARTICLE	IF	CITATIONS
386	Sodium butyrate induces DRP1-mediated mitochondrial fusion and apoptosis in human colorectal cancer cells. <i>Mitochondrion</i> , 2014, 16, 55-64.	1.6	74
387	Cellular iron homeostasis mediated by the Mrs4â€‘Ccc1â€‘Smf3 pathway is essential for mitochondrial function, morphogenesis and virulence in <i>Candida albicans</i> . <i>Biochimica Et Biophysica Acta - Molecular Cell Research</i> , 2014, 1843, 629-639.	1.9	44
388	The hallmarks of fibroblast ageing. <i>Mechanisms of Ageing and Development</i> , 2014, 138, 26-44.	2.2	179
389	A small natural molecule promotes mitochondrial fusion through inhibition of the deubiquitinase USP30. <i>Cell Research</i> , 2014, 24, 482-496.	5.7	170
390	Eight new mtDNA sequences of glass sponges reveal an extensive usage of +1 frameshifting in mitochondrial translation. <i>Gene</i> , 2014, 535, 336-344.	1.0	26
391	Mitochondrial fusion is frequent in skeletal muscle and supports excitationâ€‘contraction coupling. <i>Journal of Cell Biology</i> , 2014, 205, 179-195.	2.3	133
392	Obesity, diabetes mellitus, atherosclerosis and chronic periodontitis: a shared pathology via oxidative stress and mitochondrial dysfunction?. <i>Periodontology 2000</i> , 2014, 64, 139-153.	6.3	205
393	Mitochondrial quality control systems sustain brain mitochondrial bioenergetics in early stages of type 2 diabetes. <i>Molecular and Cellular Biochemistry</i> , 2014, 394, 13-22.	1.4	31
394	Cancer as a metabolic disease: implications for novel therapeutics. <i>Carcinogenesis</i> , 2014, 35, 515-527.	1.3	375
395	Mitochondrial uncoupling reduces exercise capacity despite several skeletal muscle metabolic adaptations. <i>Journal of Applied Physiology</i> , 2014, 116, 364-375.	1.2	29
396	Oxidative stress and mitochondrial dysfunction in Alzheimer's disease. <i>Biochimica Et Biophysica Acta - Molecular Basis of Disease</i> , 2014, 1842, 1240-1247.	1.8	982
397	Mutations that affect mitochondrial functions and their association with neurodegenerative diseases. <i>Mutation Research - Reviews in Mutation Research</i> , 2014, 759, 1-13.	2.4	47
398	ROMO1 Is an Essential Redox-Dependent Regulator of Mitochondrial Dynamics. <i>Science Signaling</i> , 2014, 7, ra10.	1.6	110
399	Fus1/Tusc2 Is a Novel Regulator of Mitochondrial Calcium Handling, Ca <sup>2+</sup> -Coupled Mitochondrial Processes, and Ca <sup>2+</sup> -Dependent NFAT and NF- $\kappa$ B Pathways in CD4 <sup>+</sup> T Cells. <i>Antioxidants and Redox Signaling</i> , 2014, 20, 1533-1547.	2.5	33
400	Cell Cycle Regulators Guide Mitochondrial Activity in Radiation-Induced Adaptive Response. <i>Antioxidants and Redox Signaling</i> , 2014, 20, 1463-1480.	2.5	36
401	Nutrient-driven <i>O</i> -GlcNAc cycling â€‘ think globally but act locally. <i>Journal of Cell Science</i> , 2014, 127, 1857-67.	1.2	51
402	Biomarkers of mitochondrial dysfunction and toxicity. , 2014, , 847-861.		1
403	Binding of sperm protein Izumo1 and its egg receptor Juno drives Cd9 accumulation in the intercellular contact area prior to fusion during mammalian fertilization. <i>Development (Cambridge)</i> , 2014, 141, 3732-3739.	1.2	66

#	ARTICLE	IF	CITATIONS
404	Organelle-Based Aggregation and Retention of Damaged Proteins in Asymmetrically Dividing Cells. <i>Cell</i> , 2014, 159, 530-542.	13.5	209
405	Membranes in motion: mitochondrial dynamics and their role in apoptosis. <i>Biological Chemistry</i> , 2014, 395, 297-311.	1.2	23
406	Introduction to Autophagy. , 2014, , 1-46.		0
407	Mitochondrial dynamics regulate melanogenesis through proteasomal degradation of <sc>MITF</sc> via <sc>ROS</sc>â€<sc>ERK</sc> activation. <i>Pigment Cell and Melanoma Research</i> , 2014, 27, 1051-1062.	1.5	50
408	Laminar shear stress regulates mitochondrial dynamics, bioenergetics responses and PRX3 activation in endothelial cells. <i>Biochimica Et Biophysica Acta - Molecular Cell Research</i> , 2014, 1843, 2403-2413.	1.9	34
409	Hepatocellular toxicity of benzbromarone: Effects on mitochondrial function and structure. <i>Toxicology</i> , 2014, 324, 136-146.	2.0	55
410	Miro-1 Links Mitochondria and Microtubule Dynein Motors To Control Lymphocyte Migration and Polarity. <i>Molecular and Cellular Biology</i> , 2014, 34, 1412-1426.	1.1	100
411	Autophagic Clearance of Mitochondria in the Kidney Copes with Metabolic Acidosis. <i>Journal of the American Society of Nephrology: JASN</i> , 2014, 25, 2254-2266.	3.0	47
412	Dysregulation of Mfn2 and Drp-1 proteins in heart failure. <i>Canadian Journal of Physiology and Pharmacology</i> , 2014, 92, 583-591.	0.7	61
413	Axonal transport plays a crucial role in mediating the axon-protective effects of NmNAT. <i>Neurobiology of Disease</i> , 2014, 68, 78-90.	2.1	24
414	Inherited peripheral neuropathies due to mitochondrial disorders. <i>Revue Neurologique</i> , 2014, 170, 366-374.	0.6	19
415	Involvement of IGF-II receptors in the antioxidant and neuroprotective effects of IGF-II on adult cortical neuronal cultures. <i>Biochimica Et Biophysica Acta - Molecular Basis of Disease</i> , 2014, 1842, 1041-1051.	1.8	28
416	Krebs cycle intermediates regulate DNA and histone methylation: Epigenetic impact on the aging process. <i>Ageing Research Reviews</i> , 2014, 16, 45-65.	5.0	95
417	Mitochondria: The Anti- cancer Target for the Third Millennium. , 2014, , .		3
418	Long-Term Health of Dopaminergic Neuron Transplants in Parkinson's Disease Patients. <i>Cell Reports</i> , 2014, 7, 1755-1761.	2.9	133
419	Are mitochondria the Achillesâ€™ heel of the Kingdom Fungi?. <i>Current Opinion in Microbiology</i> , 2014, 20, 49-54.	2.3	83
420	Simultaneous impairment of mitochondrial fission and fusion reduces mitophagy and shortens replicative lifespan. <i>Scientific Reports</i> , 2015, 5, 7885.	1.6	93
421	Doxorubicin-induced necrosis is mediated by poly-(ADP-ribose) polymerase 1 (PARP1) but is independent of p53. <i>Scientific Reports</i> , 2015, 5, 15798.	1.6	87



#	ARTICLE	IF	CITATIONS
423	Structure and function of mitochondrial membrane protein complexes. <i>BMC Biology</i> , 2015, 13, 89.	1.7	459
424	The role of mTOR in lipid homeostasis and diabetes progression. <i>Current Opinion in Endocrinology, Diabetes and Obesity</i> , 2015, 22, 340-346.	1.2	39
425	Analysis of mitochondrial mechanical dynamics using a confocal fluorescence microscope with a bent optical fibre. <i>Journal of Microscopy</i> , 2015, 260, 140-151.	0.8	6
426	Mitochondrial dynamic abnormalities in amyotrophic lateral sclerosis. <i>Translational Neurodegeneration</i> , 2015, 4, 14.	3.6	51
427	A tunable fluorescent timer method for imaging spatial&temporal protein dynamics using light&driven photoconvertible protein. <i>Journal of Biophotonics</i> , 2015, 8, 226-232.	1.1	2
428	Structural studies of parkin and salsin: Mitochondrial dynamics in neurodegenerative diseases. <i>Movement Disorders</i> , 2015, 30, 1610-1619.	2.2	5
431	PGC-1& controls mitochondrial biogenesis and dynamics in lead-induced neurotoxicity. <i>Aging</i> , 2015, 7, 629-643.	1.4	87
432	How the Wnt signaling pathway protects from neurodegeneration: the mitochondrial scenario. <i>Frontiers in Cellular Neuroscience</i> , 2015, 9, 166.	1.8	61
433	Myelin damage and repair in pathologic CNS: challenges and prospects. <i>Frontiers in Molecular Neuroscience</i> , 2015, 8, 35.	1.4	163
434	Diet impact on mitochondrial bioenergetics and dynamics. <i>Frontiers in Physiology</i> , 2015, 6, 109.	1.3	151
435	Alzheimer&TM's Pathogenesis and Its Link to the Mitochondrion. <i>Oxidative Medicine and Cellular Longevity</i> , 2015, 2015, 1-8.	1.9	28
436	Why is Qi-Invigoring Therapy in Chinese Medicine Suitable for Mitochondrial Diseases? A Bioenergetic Perspective. , 2015, , .		4
437	Mitochondrial fusion and fission are involved in stress tolerance of <i>Candida glabrata</i> . <i>Bioresources and Bioprocessing</i> , 2015, 2, .	2.0	9
438	Interdependence of Parkin-Mediated Mitophagy and Mitochondrial Fission in Adult Mouse Hearts. <i>Circulation Research</i> , 2015, 117, 346-351.	2.0	172
439	Targeting skeletal muscle mitochondria to prevent type 2 diabetes in youth. <i>Biochemistry and Cell Biology</i> , 2015, 93, 452-465.	0.9	27
440	Correlates of Peripheral Blood Mitochondrial DNA Content in a General Population. <i>American Journal of Epidemiology</i> , 2016, 183, kww175.	1.6	91
441	The mechanism of splitting mitochondria in terms of membrane automata. , 2015, , .		3
442	MFN2 Couples Glutamate Excitotoxicity and Mitochondrial Dysfunction in Motor Neurons*. <i>Journal of Biological Chemistry</i> , 2015, 290, 168-182.	1.6	90

#	ARTICLE	IF	CITATIONS
443	Targeted Drug Delivery to the Mitochondria. <i>Advances in Delivery Science and Technology</i> , 2015, , 241-270.	0.4	5
444	The role of alterations in mitochondrial dynamics and PGC $\alpha$ 1 $\pm$ over $\alpha$ expression in fast muscle atrophy following hindlimb unloading. <i>Journal of Physiology</i> , 2015, 593, 1981-1995.	1.3	166
445	Exercise improves mitochondrial and redox-regulated stress responses in the elderly: better late than never!. <i>Biogerontology</i> , 2015, 16, 249-264.	2.0	52
446	Effects of 915 nm GaAs diode laser on mitochondria of human dermal fibroblasts: analysis with confocal microscopy. <i>Lasers in Medical Science</i> , 2015, 30, 375-381.	1.0	17
447	Cardiac mitochondria: A surprise about size. <i>Journal of Molecular and Cellular Cardiology</i> , 2015, 82, 213-215.	0.9	19
448	BIRO1, a Cell-Permeable BH3 Peptide, Promotes Mitochondrial Fragmentation and Death of Retinoblastoma Cells. <i>Molecular Cancer Research</i> , 2015, 13, 86-97.	1.5	8
449	Following Mitochondria Dynamism: Confocal Analysis of the Organelle Morphology. <i>Methods in Molecular Biology</i> , 2015, 1241, 153-161.	0.4	4
450	Mitofusin 2 as a Driver That Controls Energy Metabolism and Insulin Signaling. <i>Antioxidants and Redox Signaling</i> , 2015, 22, 1020-1031.	2.5	69
451	Mitochondrial dynamics and viral infections: A close nexus. <i>Biochimica Et Biophysica Acta - Molecular Cell Research</i> , 2015, 1853, 2822-2833.	1.9	143
452	Reticulon protein-1C is a key component of MAMs. <i>Biochimica Et Biophysica Acta - Molecular Cell Research</i> , 2015, 1853, 733-745.	1.9	16
453	Parkin maintains mitochondrial levels of the protective Parkinson $\alpha$ 's disease-related enzyme 17 $\beta$ hydroxysteroid dehydrogenase type 10. <i>Cell Death and Differentiation</i> , 2015, 22, 1563-1576.	5.0	33
454	Skeletal muscle mitochondria of NDUFS4 $\alpha$ $\alpha$ mice display normal maximal pyruvate oxidation and ATP production. <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 2015, 1847, 526-533.	0.5	21
455	Pathologic and therapeutic implications for the cell biology of parkin. <i>Molecular and Cellular Neurosciences</i> , 2015, 66, 62-71.	1.0	27
456	Dinuclear iridium(iii) complexes as phosphorescent trackers to monitor mitochondrial dynamics. <i>Journal of Materials Chemistry B</i> , 2015, 3, 3306-3314.	2.9	28
457	Abnormal Mitochondrial Function and Impaired Granulosa Cell Differentiation in Androgen Receptor Knockout Mice. <i>International Journal of Molecular Sciences</i> , 2015, 16, 9831-9849.	1.8	30
458	MnTBAP stimulates angiogenic functions in endothelial cells through mitofusin-1. <i>Vascular Pharmacology</i> , 2015, 72, 163-171.	1.0	9
459	Suppression of mitochondrial fission in experimental cerebral ischemia: The potential neuroprotective target of p38 MAPK inhibition. <i>Neurochemistry International</i> , 2015, 90, 1-8.	1.9	53
460	Ultrastructural mitochondrial alterations in Equine myopathies of unknown origin. <i>Veterinary Quarterly</i> , 2015, 35, 2-8.	3.0	2

#	ARTICLE	IF	CITATIONS
461	The Mechanoenzymatic Core of Dynamin-related Protein 1 Comprises the Minimal Machinery Required for Membrane Constriction. <i>Journal of Biological Chemistry</i> , 2015, 290, 11692-11703.	1.6	96
462	Introduction to Autophagy. , 2015, , 1-53.		0
463	Changes in mitochondrial morphology induced by calcium or rotenone in primary astrocytes occur predominantly through rosâ€mediated remodeling. <i>Journal of Neurochemistry</i> , 2015, 133, 684-699.	2.1	37
464	Mitofusins deficiency elicits mitochondrial metabolic reprogramming to pluripotency. <i>Cell Death and Differentiation</i> , 2015, 22, 1957-1969.	5.0	92
465	Mitochondrial Medicine. <i>Methods in Molecular Biology</i> , 2015, , .	0.4	4
466	Mitochondrial dynamics and inherited peripheral nerve diseases. <i>Neuroscience Letters</i> , 2015, 596, 66-77.	1.0	103
467	Inhibition of the mitochondrial fission protein dynamin-related protein 1 (Drp1) impairs mitochondrial fission and mitotic catastrophe after x-irradiation. <i>Molecular Biology of the Cell</i> , 2015, 26, 4607-4617.	0.9	35
468	Understanding the susceptibility of dopamine neurons to mitochondrial stressors in Parkinson's disease. <i>FEBS Letters</i> , 2015, 589, 3702-3713.	1.3	99
469	A $\beta$ -Secretase Independent Role for Presenilin in Calcium Homeostasis Impacts Mitochondrial Function and Morphology in <i>Caenorhabditis elegans</i> . <i>Genetics</i> , 2015, 201, 1453-1466.	1.2	50
470	Differential dependencies on $[Ca^{2+}]$ and temperature of the monolayer spontaneous curvatures of DOPE, DOPA and cardiolipin: effects of modulating the strength of the inter-headgroup repulsion. <i>Soft Matter</i> , 2015, 11, 4041-4053.	1.2	36
471	Mitochondrial Respiration Controls Lysosomal Function during Inflammatory T Cell Responses. <i>Cell Metabolism</i> , 2015, 22, 485-498.	7.2	239
472	COX assembly factor ccdc56 regulates mitochondrial morphology by affecting mitochondrial recruitment of Drp1. <i>FEBS Letters</i> , 2015, 589, 3126-3132.	1.3	8
473	Critical role of AMP-activated protein kinase in the balance between mitophagy and mitochondrial biogenesis in MELAS disease. <i>Biochimica Et Biophysica Acta - Molecular Basis of Disease</i> , 2015, 1852, 2535-2553.	1.8	42
474	Mitochondrial Regulation. <i>Methods in Molecular Biology</i> , 2015, , .	0.4	3
475	Mitochondrial effectors of cellular senescence: beyond the free radical theory of aging. <i>Aging Cell</i> , 2015, 14, 1-7.	3.0	298
476	Overview of Autophagy. , 2016, , 3-84.		0
477	Mutations of mtDNA polymerase- $\beta$ and hyperlactataemia in the HIV-infected Zulu population of South Africa. <i>South African Medical Journal</i> , 2016, 106, 1254.	0.2	0
478	New Pathogenic Concepts and Therapeutic Approaches to Oxidative Stress in Chronic Kidney Disease. <i>Oxidative Medicine and Cellular Longevity</i> , 2016, 2016, 1-21.	1.9	45

#	ARTICLE	IF	CITATIONS
479	Equine Metabolic Syndrome Affects Viability, Senescence, and Stress Factors of Equine Adipose-Derived Mesenchymal Stromal Stem Cells: New Insight into EqASCs Isolated from EMS Horses in the Context of Their Aging. <i>Oxidative Medicine and Cellular Longevity</i> , 2016, 2016, 1-17.	1.9	70
480	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. , 2016, 7, 150.		75
481	Mitochondrial Functional Changes Characterization in Young and Senescent Human Adipose Derived MSCs. <i>Frontiers in Aging Neuroscience</i> , 2016, 8, 299.	1.7	41
482	Subcellular Localization of Class I Histone Deacetylases in the Developing <i>Xenopus tectum</i> . <i>Frontiers in Cellular Neuroscience</i> , 2015, 9, 510.	1.8	15
483	Alterations in Mitochondrial Quality Control in Alzheimer's Disease. <i>Frontiers in Cellular Neuroscience</i> , 2016, 10, 24.	1.8	153
484	The Differential DRP1 Phosphorylation and Mitochondrial Dynamics in the Regional Specific Astroglial Death Induced by Status Epilepticus. <i>Frontiers in Cellular Neuroscience</i> , 2016, 10, 124.	1.8	58
485	Altered Mitochondrial Dynamics and TBI Pathophysiology. <i>Frontiers in Systems Neuroscience</i> , 2016, 10, 29.	1.2	117
486	Tissue Specific Impacts of a Ketogenic Diet on Mitochondrial Dynamics in the BTBRT+tf/j Mouse. <i>Frontiers in Physiology</i> , 2016, 7, 654.	1.3	30
487	Intersection of mitochondrial fission and fusion machinery with apoptotic pathways: Role of Mcl-1. <i>Biology of the Cell</i> , 2016, 108, 279-293.	0.7	54
488	Physical Exercise and Brain Mitochondrial Fitness: The Possible Role Against Alzheimer's Disease. <i>Brain Pathology</i> , 2016, 26, 648-663.	2.1	73
489	A viscosity sensitive fluorescent dye for real-time monitoring of mitochondria transport in neurons. <i>Biosensors and Bioelectronics</i> , 2016, 86, 885-891.	5.3	98
490	Inhibition of mitochondrial fusion is an early and critical event in breast cancer cell apoptosis by dietary chemopreventative benzyl isothiocyanate. <i>Mitochondrion</i> , 2016, 30, 67-77.	1.6	38
491	Dynamin-related Protein 1 Inhibition Mitigates Bisphenol A-mediated Alterations in Mitochondrial Dynamics and Neural Stem Cell Proliferation and Differentiation. <i>Journal of Biological Chemistry</i> , 2016, 291, 15923-15939.	1.6	79
492	1,8-Naphthalimide Derivative Dyes with Large Stokes Shifts for Targeting Live Cell Mitochondria. <i>ChemBioChem</i> , 2016, 17, 1719-1724.	1.3	19
493	Melatonin prevents abnormal mitochondrial dynamics resulting from the neurotoxicity of cadmium by blocking calcium-dependent translocation of Drp1 to the mitochondria. <i>Journal of Pineal Research</i> , 2016, 60, 291-302.	3.4	113
494	The ageing neuromuscular system and sarcopenia: a mitochondrial perspective. <i>Journal of Physiology</i> , 2016, 594, 4499-4512.	1.3	105
495	Autophagy as a Potential Target for Sarcopenia. <i>Journal of Cellular Physiology</i> , 2016, 231, 1450-1459.	2.0	80
496	Mitochondrial dynamics altered by oxidative stress in cancer. <i>Free Radical Research</i> , 2016, 50, 1065-1070.	1.5	62

#	ARTICLE	IF	CITATIONS
497	Mitochondrial division occurs concurrently with autophagosome formation but independently of Drp1 during mitophagy. <i>Journal of Cell Biology</i> , 2016, 215, 649-665.	2.3	193
498	Imaging mitochondrial dynamics in human skin reveals depth-dependent hypoxia and malignant potential for diagnosis. <i>Science Translational Medicine</i> , 2016, 8, 367ra169.	5.8	82
499	mTORC1 inhibitor rapamycin and ER stressor tunicamycin induce differential patterns of ER-mitochondria coupling. <i>Scientific Reports</i> , 2016, 6, 36394.	1.6	32
500	Humanin prevents brain mitochondrial dysfunction in a cardiac ischaemia-reperfusion injury model. <i>Experimental Physiology</i> , 2016, 101, 697-707.	0.9	20
501	Mechanisms and Functions of Mitochondrial Dynamics. , 2016, , 279-292.		0
502	Biochemistry of Oxidative Stress. , 2016, , .		5
503	Mitochondria Localize to Injured Axons to Support Regeneration. <i>Neuron</i> , 2016, 92, 1308-1323.	3.8	190
504	Pre-B-cell colony-enhancing factor protects against apoptotic neuronal death and mitochondrial damage in ischemia. <i>Scientific Reports</i> , 2016, 6, 32416.	1.6	23
505	Neuromuscular Manifestations in Mitochondrial Diseases in Children. <i>Seminars in Pediatric Neurology</i> , 2016, 23, 290-305.	1.0	6
506	The Stress Response of Critical Illness: Metabolic and Hormonal Aspects. , 2016, , .		6
507	Mitochondrial Adaptation and Hibernation. , 2016, , 27-43.		0
508	Mitochondrial Dynamics Impacts Stem Cell Identity and Fate Decisions by Regulating a Nuclear Transcriptional Program. <i>Cell Stem Cell</i> , 2016, 19, 232-247.	5.2	469
509	Linking mitochondrial dynamics to mitochondrial protein quality control. <i>Current Opinion in Genetics and Development</i> , 2016, 38, 68-74.	1.5	36
510	Precise expression of Fis1 is important for glucose responsiveness of beta cells. <i>Journal of Endocrinology</i> , 2016, 230, 81-91.	1.2	25
511	5-(4-hydroxy-3-dimethoxybenzylidene)-rhodanine (RD-1)-improved mitochondrial function prevents anxiety- and depressive-like states induced by chronic corticosterone injections in mice. <i>Neuropharmacology</i> , 2016, 105, 587-593.	2.0	17
512	Mitochondria in Acute Kidney Injury. <i>Seminars in Nephrology</i> , 2016, 36, 8-16.	0.6	70
513	Coumarin-appended phosphorescent cyclometalated iridium complexes as mitochondria-targeted theranostic anticancer agents. <i>Dalton Transactions</i> , 2016, 45, 13042-13051.	1.6	77
514	Non-cytotoxic copper overload boosts mitochondrial energy metabolism to modulate cell proliferation and differentiation in the human erythroleukemic cell line K562. <i>Mitochondrion</i> , 2016, 29, 18-30.	1.6	45

#	ARTICLE	IF	CITATIONS
515	Islamic Perspectives on Science and Technology. , 2016, , .		5
516	Aggregationâ€Induced Emission: Lighting up Cells, Revealing Life!. Small, 2016, 12, 6451-6477.	5.2	113
517	The Use of Cytochrome C Oxidase Enzyme Activity and Immunohistochemistry in Defining Mitochondrial Injury in Kidney Disease. Journal of Histochemistry and Cytochemistry, 2016, 64, 546-555.	1.3	9
518	Mitochondrial DNA disturbances and deregulated expression of oxidative phosphorylation and mitochondrial fusion proteins in sporadic inclusion body myositis. Clinical Science, 2016, 130, 1741-1751.	1.8	33
519	Does p49/STRAP, a SRF-binding protein (SRFBP1), modulate cardiac mitochondrial function in aging?. Experimental Gerontology, 2016, 82, 150-159.	1.2	9
520	The role of the mtDNA set point in differentiation, development and tumorigenesis. Biochemical Journal, 2016, 473, 2955-2971.	1.7	40
521	Regulation of Mitofusin1 by Mahogunin Ring Finger-1 and the proteasome modulates mitochondrial fusion. Biochimica Et Biophysica Acta - Molecular Cell Research, 2016, 1863, 3065-3083.	1.9	22
522	Mitochondrial Changes in Cancer. Handbook of Experimental Pharmacology, 2016, 240, 211-227.	0.9	16
523	<scp>SUMO</scp>â€regulated mitochondrial function in Parkinson's disease. Journal of Neurochemistry, 2016, 137, 673-686.	2.1	53
524	Polyphosphate as a metabolic fuel in Metazoa: A foundational breakthrough invention for biomedical applications. Biotechnology Journal, 2016, 11, 11-30.	1.8	48
525	<scp>Drpâ€1</scp>, a potential therapeutic target for brain ischaemic stroke. British Journal of Pharmacology, 2016, 173, 1665-1677.	2.7	44
526	Inhibition of mitochondrial fission as a molecular target for cardioprotection: critical importance of the timing of treatment. Basic Research in Cardiology, 2016, 111, 59.	2.5	49
527	Mitochondrial dysfunction in Parkinson's disease. Journal of Neurochemistry, 2016, 139, 216-231.	2.1	607
528	Selective mitochondrial depletion, apoptosis resistance, and increased mitophagy in human Charcot-Marie-Tooth 2A motor neurons. Human Molecular Genetics, 2016, 25, 4266-4281.	1.4	41
529	Attenuation of A $\beta$ toxicity by promotion of mitochondrial fusion in neuroblastoma cells by liquiritigenin. Archives of Pharmacal Research, 2016, 39, 1137-1143.	2.7	15
530	Mitochondrial quality control: Cell-type-dependent responses to pathological mutant mitochondrial DNA. Autophagy, 2016, 12, 2098-2112.	4.3	21
531	Bcl-2 family proteins: master regulators of cell survival. Biomolecular Concepts, 2016, 7, 259-270.	1.0	92
532	The mitochondrial ubiquitin ligase plays an antiâ€apoptotic role in cardiomyocytes by regulating mitochondrial fission. Journal of Cellular and Molecular Medicine, 2016, 20, 2278-2288.	1.6	21

#	ARTICLE	IF	CITATIONS
533	Mitochondrial Oxidative Phosphorylation System (OXPHOS) Deficits in Schizophrenia. <i>Canadian Journal of Psychiatry</i> , 2016, 61, 457-469.	0.9	132
534	Skeletal muscle action of estrogen receptor $\hat{\pm}$ is critical for the maintenance of mitochondrial function and metabolic homeostasis in females. <i>Science Translational Medicine</i> , 2016, 8, 334ra54.	5.8	174
535	Polarization and asymmetry in T cell metabolism. <i>Seminars in Immunology</i> , 2016, 28, 525-534.	2.7	8
536	Mitochondrial Ribosomal Protein L10 Associates with Cyclin B1/Cdk1 Activity and Mitochondrial Function. <i>DNA and Cell Biology</i> , 2016, 35, 680-690.	0.9	31
537	Mitofusin 2 attenuates the histone acetylation at collagen IV promoter in diabetic nephropathy. <i>Journal of Molecular Endocrinology</i> , 2016, 57, 233-249.	1.1	11
538	From the Cover: Thirdhand Cigarette Smoke Causes Stress-Induced Mitochondrial Hyperfusion and Alters the Transcriptional Profile of Stem Cells. <i>Toxicological Sciences</i> , 2016, 153, 55-69.	1.4	32
539	Classification of low quality cells from single-cell RNA-seq data. <i>Genome Biology</i> , 2016, 17, 29.	3.8	572
540	Mitochondrial phospholipids: role in mitochondrial function. <i>Journal of Bioenergetics and Biomembranes</i> , 2016, 48, 99-112.	1.0	130
541	Tadalafil reduces visceral adipose tissue accumulation by promoting preadipocytes differentiation towards a metabolically healthy phenotype: Studies in rabbits. <i>Molecular and Cellular Endocrinology</i> , 2016, 424, 50-70.	1.6	22
542	Modulation of mitochondrial dysfunction in neurodegenerative diseases via activation of nuclear factor erythroid-2-related factor 2 by food-derived compounds. <i>Pharmacological Research</i> , 2016, 103, 80-94.	3.1	78
543	Drp1-dependent mitochondrial fission via MiD49/51 is essential for apoptotic cristae remodeling. <i>Journal of Cell Biology</i> , 2016, 212, 531-544.	2.3	195
544	Lethal Disorder of Mitochondrial Fission Caused by Mutations in DNM1L. <i>Journal of Pediatrics</i> , 2016, 171, 313-316.e2.	0.9	67
545	Obesity and related consequences to ageing. <i>Age</i> , 2016, 38, 23.	3.0	273
546	Mitochondrial Disorders. , 2016, , 139-159.		2
547	Slow recovery of the impaired fatigue resistance in postunloading mouse soleus muscle corresponding to decreased mitochondrial function and a compensatory increase in type I slow fibers. <i>American Journal of Physiology - Cell Physiology</i> , 2016, 310, C27-C40.	2.1	22
548	Mitochondria: a therapeutic target in acute kidney injury. <i>Nephrology Dialysis Transplantation</i> , 2016, 31, 1062-1069.	0.4	152
549	The Parkinson Disease Mitochondrial Hypothesis. <i>Neuroscientist</i> , 2016, 22, 266-277.	2.6	128
550	Membrane automata for modeling biomolecular processes. <i>Natural Computing</i> , 2017, 16, 151-163.	1.8	14

#	ARTICLE	IF	CITATIONS
551	Altered mitochondrial dynamics as a consequence of Venezuelan Equine encephalitis virus infection. <i>Virulence</i> , 2017, 8, 1849-1866.	1.8	26
552	Butyrate Regulates Liver Mitochondrial Function, Efficiency, and Dynamics in Insulin-Resistant Obese Mice. <i>Diabetes</i> , 2017, 66, 1405-1418.	0.3	214
553	3D Time-lapse Imaging and Quantification of Mitochondrial Dynamics. <i>Scientific Reports</i> , 2017, 7, 43275.	1.6	14
554	Selenium suppresses glutamate-induced cell death and prevents mitochondrial morphological dynamic alterations in hippocampal HT22 neuronal cells. <i>BMC Neuroscience</i> , 2017, 18, 15.	0.8	30
555	Resveratrol stimulates mitochondrial fusion by a mechanism requiring mitofusin-2. <i>Biochemical and Biophysical Research Communications</i> , 2017, 485, 249-254.	1.0	32
556	Inhibition of Drp1 hyper-activation is protective in animal models of experimental multiple sclerosis. <i>Experimental Neurology</i> , 2017, 292, 21-34.	2.0	50
557	The role of sirtuins in mitochondrial function and doxorubicin-induced cardiac dysfunction. <i>Biological Chemistry</i> , 2017, 398, 955-974.	1.2	36
558	Ferulic acid attenuates brain microvascular endothelial cells damage caused by oxygen-glucose deprivation via punctate-mitochondria-dependent mitophagy. <i>Brain Research</i> , 2017, 1666, 17-26.	1.1	32
559	Simultaneously Inducing and Tracking Cancer Cell Metabolism Repression by Mitochondria-Immobilized Rhenium(I) Complex. <i>ACS Applied Materials &amp; Interfaces</i> , 2017, 9, 13900-13912.	4.0	78
560	Perturbations in the apoptotic pathway and mitochondrial network dynamics in peripheral blood mononuclear cells from bipolar disorder patients. <i>Translational Psychiatry</i> , 2017, 7, e1111-e1111.	2.4	62
561	Targeted apoptosis in ovarian cancer cells through mitochondrial dysfunction in response to Sambucus nigra agglutinin. <i>Cell Death and Disease</i> , 2017, 8, e2762-e2762.	2.7	51
562	Connecting mitochondrial dynamics and life-or-death events via Bcl-2 family proteins. <i>Neurochemistry International</i> , 2017, 109, 141-161.	1.9	70
563	Role of PARL-PINK1-Parkin pathway in adipocyte differentiation. <i>Metabolism: Clinical and Experimental</i> , 2017, 72, 1-17.	1.5	25
564	Adaptive responses of neuronal mitochondria to bioenergetic challenges: Roles in neuroplasticity and disease resistance. <i>Free Radical Biology and Medicine</i> , 2017, 102, 203-216.	1.3	184
565	Mitochondrial Aspects of Synaptic Dysfunction in Alzheimer's Disease. <i>Journal of Alzheimer's Disease</i> , 2017, 57, 1087-1103.	1.2	176
566	Brain glucose metabolism: Role of Wnt signaling in the metabolic impairment in Alzheimer's disease. <i>Neuroscience and Biobehavioral Reviews</i> , 2017, 80, 316-328.	2.9	32
567	Mitochondria in chronic obstructive pulmonary disease and lung cancer: where are we now?. <i>Biomarkers in Medicine</i> , 2017, 11, 475-489.	0.6	36
568	Control of cell death and mitochondrial fission by ERK1/2 MAP kinase signalling. <i>FEBS Journal</i> , 2017, 284, 4177-4195.	2.2	147



#	ARTICLE	IF	CITATIONS
569	IGF-II promotes neuroprotection and neuroplasticity recovery in a long-lasting model of oxidative damage induced by glucocorticoids. <i>Redox Biology</i> , 2017, 13, 69-81.	3.9	44
570	Developmentally regulated GTP-binding protein 2 depletion leads to mitochondrial dysfunction through downregulation of dynamin-related protein 1. <i>Biochemical and Biophysical Research Communications</i> , 2017, 486, 1014-1020.	1.0	7
571	FKBP8 recruits LC3A to mediate Parkin-independent mitophagy. <i>EMBO Reports</i> , 2017, 18, 947-961.	2.0	295
572	Electron tomographic analysis reveals ultrastructural features of mitochondrial cristae architecture which reflect energetic state and aging. <i>Scientific Reports</i> , 2017, 7, 45474.	1.6	32
573	In vitro neuroprotective potential of lichen metabolite fumarprotocetraric acid via intracellular redox modulation. <i>Toxicology and Applied Pharmacology</i> , 2017, 316, 83-94.	1.3	23
574	Allopregnanolone and its analog BR 297 rescue neuronal cells from oxidative stress-induced death through bioenergetic improvement. <i>Biochimica Et Biophysica Acta - Molecular Basis of Disease</i> , 2017, 1863, 631-642.	1.8	30
575	Laser Acupuncture at GV20 Improves Brain Damage and Oxidative Stress in Animal Model of Focal Ischemic Stroke. <i>JAMS Journal of Acupuncture and Meridian Studies</i> , 2017, 10, 324-330.	0.3	22
576	Modulating mitochondrial morphology enhances antitumor effect of 5-ALA-mediated photodynamic therapy both in vitro and in vivo. <i>Journal of Photochemistry and Photobiology B: Biology</i> , 2017, 176, 81-91.	1.7	11
577	Limonene protects osteoblasts against methylglyoxal-derived adduct formation by regulating glyoxalase, oxidative stress, and mitochondrial function. <i>Chemico-Biological Interactions</i> , 2017, 278, 15-21.	1.7	13
578	Mitochondrial Genome Encoded Proteins Expression Disorder, the Possible Mechanism of the Heart Disease in Metabolic Syndrome. <i>Cellular Physiology and Biochemistry</i> , 2017, 43, 959-968.	1.1	8
579	Mitochondrial Abnormality Facilitates Cyst Formation in Autosomal Dominant Polycystic Kidney Disease. <i>Molecular and Cellular Biology</i> , 2017, 37, .	1.1	98
580	Rhodamine-based sensor for real-time imaging of mitochondrial ATP in living fibroblasts. <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 2017, 1858, 999-1006.	0.5	17
581	Acute mental stress induces mitochondrial bioenergetic crisis and hyper-fission along with aberrant mitophagy in the gut mucosa in rodent model of stress-related mucosal disease. <i>Free Radical Biology and Medicine</i> , 2017, 113, 424-438.	1.3	35
582	Macrophages and Mitochondria. <i>Advances in Immunology</i> , 2017, 133, 1-36.	1.1	45
583	Editor's Highlight: The Altered DNA Methylome of Chronic Doxorubicin Exposure in Sprague Dawley Rats. <i>Toxicological Sciences</i> , 2017, 159, 470-479.	1.4	19
584	Stimulator of IFN genes-mediated DNA sensing pathway is suppressed by NLRP3 agonists and regulated by mitofusin 1 and TBC1D15, mitochondrial dynamics mediators. <i>FASEB Journal</i> , 2017, 31, 4866-4878.	0.2	21
585	Mdivi-1 ameliorates early brain injury after subarachnoid hemorrhage via the suppression of inflammation-related blood-brain barrier disruption and endoplasmic reticulum stress-based apoptosis. <i>Free Radical Biology and Medicine</i> , 2017, 112, 336-349.	1.3	97
586	Less is more: Caloric regulation of neurogenesis and adult brain function. <i>Journal of Neuroendocrinology</i> , 2017, 29, e12512.	1.2	16

#	ARTICLE	IF	CITATIONS
587	Mapping the human skeletal muscle proteome: progress and potential. <i>Expert Review of Proteomics</i> , 2017, 14, 825-839.	1.3	27
588	Sequences flanking the transmembrane segments facilitate mitochondrial localization and membrane fusion by mitofusin. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017, 114, E9863-E9872.	3.3	34
589	Knockdown of Mtfp1 can minimize doxorubicin cardiotoxicity by inhibiting Dnm1-mediated mitochondrial fission. <i>Journal of Cellular and Molecular Medicine</i> , 2017, 21, 3394-3404.	1.6	34
590	Age-related accumulation of phosphorylated mitofusin 2 protein in retinal ganglion cells correlates with glaucoma progression. <i>Experimental Neurology</i> , 2017, 296, 49-61.	2.0	12
591	Adolescent Binge Alcohol Exposure Affects the Brain Function Through Mitochondrial Impairment. <i>Molecular Neurobiology</i> , 2017, 55, 4473-4491.	1.9	31
592	Choosing proper fluorescent dyes, proteins, and imaging techniques to study mitochondrial dynamics in mammalian cells. <i>Biophysics Reports</i> , 2017, 3, 64-72.	0.2	21
593	Azidothymidine-triphosphate impairs mitochondrial dynamics by disrupting the quality control system. <i>Redox Biology</i> , 2017, 13, 407-417.	3.9	14
594	Mitochondrial lipids in neurodegeneration. <i>Cell and Tissue Research</i> , 2017, 367, 125-140.	1.5	62
595	Targeting cancer cell metabolism with mitochondria-immobilized phosphorescent cyclometalated iridium( <i>iii</i> ) complexes. <i>Chemical Science</i> , 2017, 8, 631-640.	3.7	166
596	Association of mitochondrial function and sperm progressivity in slow- and fast-growing roosters. <i>Poultry Science</i> , 2017, 96, 211-219.	1.5	24
597	Parkin and mitophagy in cancer. <i>Oncogene</i> , 2017, 36, 1315-1327.	2.6	201
598	Targeting cancer cells through antibiotics-induced mitochondrial dysfunction requires autophagy inhibition. <i>Cancer Letters</i> , 2017, 384, 60-69.	3.2	33
599	Mitochondrial dysfunction in cancer chemoprevention by phytochemicals from dietary and medicinal plants. <i>Seminars in Cancer Biology</i> , 2017, 47, 147-153.	4.3	32
600	Schwann cell mitochondria as key regulators in the development and maintenance of peripheral nerve axons. <i>Cellular and Molecular Life Sciences</i> , 2017, 74, 827-835.	2.4	25
601	Axonal Mitochondrial Transport. , 2017, , 113-137.		4
602	Drp1 polymerization stabilizes curved tubular membranes similar to those of constricted mitochondria. <i>Journal of Cell Science</i> , 2018, 132, .	1.2	16
603	Drp1 Mitochondrial Fission in D1 Neurons Mediates Behavioral and Cellular Plasticity during Early Cocaine Abstinence. <i>Neuron</i> , 2017, 96, 1327-1341.e6.	3.8	78
604	Dysregulated metabolic enzymes and metabolic reprogramming in cancer cells (Review). <i>Biomedical Reports</i> , 2018, 8, 3-10.	0.9	54

#	ARTICLE	IF	CITATIONS
605	Lysosomal and Mitochondrial Liaisons in Niemann-Pick Disease. <i>Frontiers in Physiology</i> , 2017, 8, 982.	1.3	62
606	Abnormalities of Mitochondrial Dynamics in Neurodegenerative Diseases. <i>Antioxidants</i> , 2017, 6, 25.	2.2	171
607	MnSOD and Cyclin B1 Coordinate a Mito-Checkpoint during Cell Cycle Response to Oxidative Stress. <i>Antioxidants</i> , 2017, 6, 92.	2.2	7
608	Overview of Autophagy. , 2017, , 1-122.		1
609	Mitochondrial Transfer from Wharton's Jelly Mesenchymal Stem Cell to MERRF Cybrid Reduces Oxidative Stress and Improves Mitochondrial Bioenergetics. <i>Oxidative Medicine and Cellular Longevity</i> , 2017, 2017, 1-22.	1.9	41
610	Molecular Mechanisms of Bipolar Disorder: Progress Made and Future Challenges. <i>Frontiers in Cellular Neuroscience</i> , 2017, 11, 30.	1.8	73
611	p47Phox/CDK5/DRP1-Mediated Mitochondrial Fission Evokes PV Cell Degeneration in the Rat Dentate Gyrus Following Status Epilepticus. <i>Frontiers in Cellular Neuroscience</i> , 2017, 11, 267.	1.8	29
612	Cancer: Linking Powerhouses to Suicidal Bags. <i>Frontiers in Oncology</i> , 2017, 7, 204.	1.3	15
613	Pro- and Antioxidant Functions of the Peroxisome-Mitochondria Connection and Its Impact on Aging and Disease. <i>Oxidative Medicine and Cellular Longevity</i> , 2017, 2017, 1-17.	1.9	51
614	Mitochondrial Dynamics: In Cell Reprogramming as It Is in Cancer. <i>Stem Cells International</i> , 2017, 2017, 1-11.	1.2	30
615	Effects of proton beam irradiation on mitochondrial biogenesis in a human colorectal adenocarcinoma cell line. <i>International Journal of Oncology</i> , 2017, 51, 859-866.	1.4	5
616	Overview of Autophagy. , 2017, , 3-90.		1
617	Bovine and murine models highlight novel roles for SLC25A46 in mitochondrial dynamics and metabolism, with implications for human and animal health. <i>PLoS Genetics</i> , 2017, 13, e1006597.	1.5	18
618	Mitochondrial Fission and Fusion. , 2017, , 77-111.		5
619	Mitochondrial Dysfunction and Mitophagy in Neurodegenerative Diseases. <i>Cell &amp; Developmental Biology</i> , 2017, 06, .	0.3	1
620	Mitochondrial Membrane Dynamics and Inherited Optic Neuropathies. <i>In Vivo</i> , 2017, 31, 511-525.	0.6	18
621	The pathogenetic role of Î²-cell mitochondria in type 2 diabetes. <i>Journal of Endocrinology</i> , 2018, 236, R145-R159.	1.2	83
622	A Critical Role of Mitochondria in BDNF-Associated Synaptic Plasticity After One-Week Vortioxetine Treatment. <i>International Journal of Neuropsychopharmacology</i> , 2018, 21, 603-615.	1.0	16

#	ARTICLE	IF	CITATIONS
623	Brain mitochondrial bioenergetics change with rapid and prolonged shifts in aggression in the honey bee, <i>Apis mellifera</i> . <i>Journal of Experimental Biology</i> , 2018, 221, .	0.8	18
624	Methods for imaging mammalian mitochondrial morphology: A prospective on MitoGraph. <i>Analytical Biochemistry</i> , 2018, 552, 81-99.	1.1	60
625	Humanin Exerts Neuroprotection During Cardiac Ischemia-Reperfusion Injury. <i>Journal of Alzheimer's Disease</i> , 2018, 61, 1343-1353.	1.2	29
626	Rotaviral nonstructural protein 4 triggers dynamin-related protein 1-dependent mitochondrial fragmentation during infection. <i>Cellular Microbiology</i> , 2018, 20, e12831.	1.1	20
627	Mitochondrial Dysfunction in Huntington's Disease. <i>Advances in Experimental Medicine and Biology</i> , 2018, 1049, 59-83.	0.8	119
628	The expression pattern and potential functions of PHB in the spermiogenesis of <i>Phascolosoma esculenta</i> . <i>Gene</i> , 2018, 652, 25-38.	1.0	8
629	Mechanisms of mitochondrial toxicity of the kinase inhibitors ponatinib, regorafenib and sorafenib in human hepatic HepG2 cells. <i>Toxicology</i> , 2018, 395, 34-44.	2.0	47
630	Chrelin mediated neuroprotection - A possible therapy for Parkinson's disease?. <i>Neuropharmacology</i> , 2018, 136, 317-326.	2.0	31
631	The essential role of mitochondrial dynamics in antiviral immunity. <i>Mitochondrion</i> , 2018, 41, 21-27.	1.6	54
632	Super-Resolution Monitoring of Mitochondrial Dynamics upon Time-Gated Photo-Triggered Release of Nitric Oxide. <i>Analytical Chemistry</i> , 2018, 90, 2164-2169.	3.2	65
633	Protein kinase D activation induces mitochondrial fragmentation and dysfunction in cardiomyocytes. <i>Journal of Physiology</i> , 2018, 596, 827-855.	1.3	36
634	Protective effect of mitochondrial-targeted antioxidant MitoQ against iron ion <sup>56</sup> Fe radiation induced brain injury in mice. <i>Toxicology and Applied Pharmacology</i> , 2018, 341, 1-7.	1.3	22
635	Maternal obesity, diabetes during pregnancy and epigenetic mechanisms that influence the developmental origins of cardiometabolic disease in the offspring. <i>Critical Reviews in Clinical Laboratory Sciences</i> , 2018, 55, 71-101.	2.7	136
636	Mitochondria Are Critical for BDNF-Mediated Synaptic and Vascular Plasticity of Hippocampus following Repeated Electroconvulsive Seizures. <i>International Journal of Neuropsychopharmacology</i> , 2018, 21, 291-304.	1.0	23
637	MIRO-1 Determines Mitochondrial Shape Transition upon GPCR Activation and Ca <sup>2+</sup> Stress. <i>Cell Reports</i> , 2018, 23, 1005-1019.	2.9	80
638	Dysregulation of mitochondrial dynamics proteins are a targetable feature of human tumors. <i>Nature Communications</i> , 2018, 9, 1677.	5.8	96
639	Estrogen Regulates Mitochondrial Morphology through Phosphorylation of Dynamin-related Protein 1 in MCF7 Human Breast Cancer Cells. <i>Acta Histochemica Et Cytochemica</i> , 2018, 51, 21-31.	0.8	12
640	Cardiac-specific research platforms engender novel insights into mitochondrial dynamism. <i>Current Opinion in Physiology</i> , 2018, 3, 110-115.	0.9	5

#	ARTICLE	IF	CITATIONS
641	Mitochondrial fragmentation affects neither the sensitivity to TNF $\alpha$ -induced apoptosis of Brucella-infected cells nor the intracellular replication of the bacteria. <i>Scientific Reports</i> , 2018, 8, 5173.	1.6	17
642	Pro-fluorescent mitochondria-targeted real-time responsive redox probes synthesised from carboxy isoindoline nitroxides: Sensitive probes of mitochondrial redox status in cells. <i>Free Radical Biology and Medicine</i> , 2018, 128, 97-110.	1.3	14
643	Cyclometalated iridium(III) complexes for life science. <i>Coordination Chemistry Reviews</i> , 2018, 363, 71-91.	9.5	181
644	Extranuclear SUMOylation in Neurons. <i>Trends in Neurosciences</i> , 2018, 41, 198-210.	4.2	60
645	Effects of Exercise and Aging on Skeletal Muscle. <i>Cold Spring Harbor Perspectives in Medicine</i> , 2018, 8, a029785.	2.9	236
646	Mitochondrial and Reactive Oxygen Species Signaling Coordinate Stem Cell Fate Decisions and Life Long Maintenance. <i>Antioxidants and Redox Signaling</i> , 2018, 28, 1090-1101.	2.5	35
647	Spatiotemporal control of mitochondrial network dynamics in astroglial cells. <i>Biochemical and Biophysical Research Communications</i> , 2018, 500, 17-25.	1.0	9
648	Mitochondrial dynamics in the regulation of neurogenesis: From development to the adult brain. <i>Developmental Dynamics</i> , 2018, 247, 47-53.	0.8	132
649	Nutrient-driven $\alpha$ -GlcNAc in proteostasis and neurodegeneration. <i>Journal of Neurochemistry</i> , 2018, 144, 7-34.	2.1	64
650	Structure, function, and regulation of mitofusin-2 in health and disease. <i>Biological Reviews</i> , 2018, 93, 933-949.	4.7	154
651	Insect models of central nervous system energy metabolism and its links to behavior. <i>Glia</i> , 2018, 66, 1160-1175.	2.5	44
652	ALS-associated mutation SOD1G93A leads to abnormal mitochondrial dynamics in osteocytes. <i>Bone</i> , 2018, 106, 126-138.	1.4	33
653	New Challenge: Mitochondrial Epigenetics?. <i>Stem Cell Reviews and Reports</i> , 2018, 14, 13-26.	5.6	37
654	Nano-carrier enabled drug delivery systems for nose to brain targeting for the treatment of neurodegenerative disorders. <i>Journal of Drug Delivery Science and Technology</i> , 2018, 43, 295-310.	1.4	86
655	Hypertonia-linked protein Trak1 functions with mitofusins to promote mitochondrial tethering and fusion. <i>Protein and Cell</i> , 2018, 9, 693-716.	4.8	30
656	Protection against $\beta$ -amyloid neurotoxicity by a non-toxic endogenous N-terminal $\beta$ -amyloid fragment and its active hexapeptide core sequence. <i>Journal of Neurochemistry</i> , 2018, 144, 201-217.	2.1	23
657	Anti-cancer activity of a new dihydropyridine derivative, VdiE-2N, in head and neck squamous cell carcinoma. <i>European Journal of Pharmacology</i> , 2018, 819, 198-206.	1.7	24
658	Laminar shear stress promotes mitochondrial homeostasis in endothelial cells. <i>Journal of Cellular Physiology</i> , 2018, 233, 5058-5069.	2.0	33

#	ARTICLE	IF	CITATIONS
659	Airyscan super-resolution microscopy of mitochondrial morphology and dynamics in living tumor cells. <i>Microscopy Research and Technique</i> , 2018, 81, 115-128.	1.2	23
660	<i>Adipose Organ Development and Remodeling.</i> , 2018, 8, 1357-1431.		127
661	Mitochondrial translation factor EF4 regulates oxidative phosphorylation complexes and the production of ROS. <i>Free Radical Research</i> , 2018, 52, 1250-1255.	1.5	10
662	Morphology-based prediction of cancer cell migration using an artificial neural network and a random decision forest. <i>Integrative Biology (United Kingdom)</i> , 2018, 10, 758-767.	0.6	28
663	Centromere protein U expression promotes non-small-cell lung cancer cell proliferation through FOXM1 and predicts poor survival. <i>Cancer Management and Research</i> , 2018, Volume 10, 6971-6984.	0.9	23
665	Inhibition of Drp1 hyperactivation reduces neuropathology and behavioral deficits in zQ175 knock-in mouse model of Huntington's disease. <i>Biochemical and Biophysical Research Communications</i> , 2018, 507, 319-323.	1.0	22
666	Exploring the Effect of Rotenone "A Known Inducer of Parkinson's Disease" On Mitochondrial Dynamics in <i>Dictyostelium discoideum</i> . <i>Cells</i> , 2018, 7, 201.	1.8	19
667	Oxidatively stressed mitochondria-mimicking membranes: A molecular insight into their organization during apoptosis. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2018, 1860, 2644-2654.	1.4	10
668	<i>Parkinson's Disease: Insights from Drosophila Model.</i> , 2018, , .		3
669	Metabolic Targeting of Breast Cancer Cells With the 2-Deoxy-D-Glucose and the Mitochondrial Bioenergetics Inhibitor MDIV-1. <i>Frontiers in Cell and Developmental Biology</i> , 2018, 6, 113.	1.8	37
670	Mitochondrial ultrastructural adaptations in fast muscles of mice lacking IL15Ra.. <i>Journal of Cell Science</i> , 2018, 131, .	1.2	9
671	<i>Cell Injury and Necrosis.</i> , 2018, , 404-453.		2
672	Modulation of Mitochondrial Dynamics in Neurodegenerative Diseases: An Insight Into Prion Diseases. <i>Frontiers in Aging Neuroscience</i> , 2018, 10, 336.	1.7	38
673	Reversible Control of Protein Localization in Living Cells Using a Photocaged-Photocleavable Chemical Dimerizer. <i>Journal of the American Chemical Society</i> , 2018, 140, 11926-11930.	6.6	37
674	Linagliptin improved myocardial function recovery in rat hearts after a prolonged hypothermic preservation. <i>Life Sciences</i> , 2018, 210, 47-54.	2.0	5
675	<i>Ethanol Consumption Affects Neuronal Function: Role of the Mitochondria.</i> , 0, , .		4
676	Evolutionary divergence of mitochondrial genomes in two <i>Tetranychus</i> species distributed across different climates. <i>Insect Molecular Biology</i> , 2018, 27, 698-709.	1.0	40
677	Mechanosensitivity of mitochondrial large-conductance calcium-activated potassium channels. <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 2018, 1859, 797-805.	0.5	39

#	ARTICLE	IF	CITATIONS
678	Mitochondrial Bioenergetics. <i>Methods in Molecular Biology</i> , 2018, , .	0.4	9
679	Monitoring the Mitochondrial Dynamics in Mammalian Cells. <i>Methods in Molecular Biology</i> , 2018, 1782, 267-285.	0.4	15
680	Molecular and Cellular Biology of the Right Heart. , 2018, , 57-89.		1
681	Mitophagy Contributes to the Pathogenesis of Inflammatory Diseases. <i>Inflammation</i> , 2018, 41, 1590-1600.	1.7	54
682	Multi-color imaging of sub-mitochondrial structures in living cells using structured illumination microscopy. <i>Nanophotonics</i> , 2018, 7, 935-947.	2.9	18
683	Role of Astrocytic Mitochondria in Limiting Ischemic Brain Injury?. <i>Physiology</i> , 2018, 33, 99-112.	1.6	15
684	Salvianolic Acid A Ameliorates Arsenic Trioxide-Induced Cardiotoxicity Through Decreasing Cardiac Mitochondrial Injury and Promotes Its Anticancer Activity. <i>Frontiers in Pharmacology</i> , 2018, 9, 487.	1.6	31
685	Human Milk and Donkey Milk, Compared to Cow Milk, Reduce Inflammatory Mediators and Modulate Glucose and Lipid Metabolism, Acting on Mitochondrial Function and Oleyethanolamide Levels in Rat Skeletal Muscle. <i>Frontiers in Physiology</i> , 2018, 9, 32.	1.3	41
686	Mitochondrial dynamics in skeletal muscle insulin resistance and type 2 diabetes. <i>Translational Research</i> , 2018, 202, 69-82.	2.2	43
687	Increased Degradation Rates in the Components of the Mitochondrial Oxidative Phosphorylation Chain in the Cerebellum of Old Mice. <i>Frontiers in Aging Neuroscience</i> , 2018, 10, 32.	1.7	18
688	Genetic ablation of tau improves mitochondrial function and cognitive abilities in the hippocampus. <i>Redox Biology</i> , 2018, 18, 279-294.	3.9	60
689	Evidence for Compartmentalized Axonal Mitochondrial Biogenesis: Mitochondrial DNA Replication Increases in Distal Axons As an Early Response to Parkinson's Disease-Relevant Stress. <i>Journal of Neuroscience</i> , 2018, 38, 7505-7515.	1.7	51
690	Regulation of Cerebral Blood Flow: Response to Cytochrome P450 Lipid Metabolites. , 2018, 8, 801-821.		4
691	Numb Depletion Promotes Drp1-Mediated Mitochondrial Fission and Exacerbates Mitochondrial Fragmentation and Dysfunction in Acute Kidney Injury. <i>Antioxidants and Redox Signaling</i> , 2019, 30, 1797-1816.	2.5	56
692	The role of cardiolipin in promoting the membrane pore-forming activity of BAX oligomers. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2019, 1861, 268-280.	1.4	36
693	Animal models of NAFLD from the pathologist's point of view. <i>Biochimica Et Biophysica Acta - Molecular Basis of Disease</i> , 2019, 1865, 929-942.	1.8	52
694	Andrographolide alleviates Parkinsonism in MPTPâ€¦PD mice via targeting mitochondrial fission mediated by dynaminâ€¦related protein 1. <i>British Journal of Pharmacology</i> , 2019, 176, 4574-4591.	2.7	71
695	Differential mitochondrial morphology in ventral striatal projection neuron subtypes. <i>Journal of Neuroscience Research</i> , 2019, 97, 1579-1589.	1.3	13

#	ARTICLE	IF	CITATIONS
696	Abnormal Mitochondria in a Non-human Primate Model of MPTP-induced Parkinson's Disease: Drp1 and CDK5/p25 Signaling. <i>Experimental Neurobiology</i> , 2019, 28, 414-424.	0.7	29
697	Communications Between the Endoplasmic Reticulum and Other Organelles During Abiotic Stress Response in Plants. <i>Frontiers in Plant Science</i> , 2019, 10, 749.	1.7	61
698	Enforced lysosomal biogenesis rescues erythromycin- and clindamycin-induced mitochondria-mediated cell death in human cells. <i>Molecular and Cellular Biochemistry</i> , 2019, 461, 23-36.	1.4	10
699	Actively priming autophagic cell death with novel transferrin receptor-targeted nanomedicine for synergistic chemotherapy against breast cancer. <i>Acta Pharmaceutica Sinica B</i> , 2019, 9, 1061-1077.	5.7	23
700	Mitochondrion-Specific Blinking Fluorescent Bioprobe for Nanoscopic Monitoring of Mitophagy. <i>ACS Nano</i> , 2019, 13, 11593-11602.	7.3	70
701	Assessment of Mitochondrial Dysfunction in Experimental Autoimmune Encephalomyelitis (EAE) Models of Multiple Sclerosis. <i>International Journal of Molecular Sciences</i> , 2019, 20, 4975.	1.8	14
702	Tick mitochondrial genomes: structural characteristics and phylogenetic implications. <i>Parasites and Vectors</i> , 2019, 12, 451.	1.0	43
703	Polymer-coated nanoparticles and their effects on mitochondrial function in brain endothelial cells. <i>Toxicology and Applied Pharmacology</i> , 2019, 385, 114800.	1.3	3
704	A Novel MYCN-Specific Antigen Oligonucleotide Deregulates Mitochondria and Inhibits Tumor Growth in MYCN-Amplified Neuroblastoma. <i>Cancer Research</i> , 2019, 79, 6166-6177.	0.4	27
705	CHIR-99021 regulates mitochondrial remodelling via $\beta$ -catenin signalling and miRNAs during endodermal differentiation. <i>Journal of Cell Science</i> , 2019, 132, .	1.2	15
706	Lupeol alters viability of SK-RC-45 (Renal cell carcinoma cell line) by modulating its mitochondrial dynamics. <i>Heliyon</i> , 2019, 5, e02107.	1.4	21
707	The Complete Mitochondrial Genome and Expression Profile of Mitochondrial Protein-Coding Genes in the Bisexual and Parthenogenetic <i>Haemaphysalis longicornis</i> . <i>Frontiers in Physiology</i> , 2019, 10, 982.	1.3	9
708	TDP-43 proteinopathy and mitochondrial abnormalities in neurodegeneration. <i>Molecular and Cellular Neurosciences</i> , 2019, 100, 103396.	1.0	62
709	Mitochondrial fragmentation and network architecture in degenerative diseases. <i>PLoS ONE</i> , 2019, 14, e0223014.	1.1	23
710	Sex-dependent and chronic alterations in behavior and mitochondrial function in a rat model of pediatric mild traumatic brain injury. <i>Brain Injury</i> , 2019, 33, 534-542.	0.6	10
711	Adrenal cortex disorders in a new model of obesity, <i>Gerbillus gerbillus</i> , exposed to a high carbohydrate diet. <i>Comptes Rendus - Biologies</i> , 2019, 342, 35-44.	0.1	7
712	Mitochondria: the indispensable players in innate immunity and guardians of the inflammatory response. <i>Journal of Cell Communication and Signaling</i> , 2019, 13, 303-318.	1.8	103
713	Linking mitochondrial dynamics, cristae remodeling and supercomplex formation: How mitochondrial structure can regulate bioenergetics. <i>Mitochondrion</i> , 2019, 49, 259-268.	1.6	98



#	ARTICLE	IF	CITATIONS
714	Complex Regulation of Mitochondrial Function During Cardiac Development. <i>Journal of the American Heart Association</i> , 2019, 8, e012731.	1.6	65
715	Mdivi-1 Protects CD4+ T Cells against Apoptosis via Balancing Mitochondrial Fusion-Fission and Preventing the Induction of Endoplasmic Reticulum Stress in Sepsis. <i>Mediators of Inflammation</i> , 2019, 1-14.	1.4	15
716	Mitochondrial variation in small brown planthoppers linked to multiple traits and probably reflecting a complex evolutionary trajectory. <i>Molecular Ecology</i> , 2019, 28, 3306-3323.	2.0	16
717	Testosterone Deficiency Caused by Castration Modulates Mitochondrial Biogenesis Through the AR/PGC1 $\beta$ /TFAM Pathway. <i>Frontiers in Genetics</i> , 2019, 10, 505.	1.1	20
718	Stiffness tomography of eukaryotic intracellular compartments by atomic force microscopy. <i>Nanoscale</i> , 2019, 11, 10320-10328.	2.8	21
719	Mitochondrial Neurodegenerative Disorders I: Parkinsonism and Cognitive Deficits. , 2019, , 223-239.		0
720	Advancement in the Pathophysiology of Cerebral Stroke. , 2019, , .		5
721	Critical Role of Mitochondrial Autophagy in Cerebral Stroke. , 2019, , 73-82.		0
722	Mitochondria in Sepsis-Induced AKI. <i>Journal of the American Society of Nephrology: JASN</i> , 2019, 30, 1151-1161.	3.0	148
723	Peroxisomes control mitochondrial dynamics and the mitochondrion-dependent pathway of apoptosis. <i>Journal of Cell Science</i> , 2019, 132, .	1.2	43
724	Global brain ischemia in rats is associated with mitochondrial release and downregulation of Mfn2 in the cerebral cortex, but not the hippocampus. <i>International Journal of Molecular Medicine</i> , 2019, 43, 2420-2428.	1.8	18
725	Anaerobic Glycolysis Maintains the Glomerular Filtration Barrier Independent of Mitochondrial Metabolism and Dynamics. <i>Cell Reports</i> , 2019, 27, 1551-1566.e5.	2.9	106
726	Applications of conjugated systems, nanomedicines, peptides and herbal drugs as mitochondrial targeted delivery systems in the treatment of oxidative stress induced diabetes. <i>Journal of Drug Delivery Science and Technology</i> , 2019, 52, 355-368.	1.4	4
727	Mechanisms and roles of mitophagy in neurodegenerative diseases. <i>CNS Neuroscience and Therapeutics</i> , 2019, 25, 859-875.	1.9	145
728	Absence of mitochondrial DNA methylation in mouse oocyte maturation, aging and early embryo development. <i>Biochemical and Biophysical Research Communications</i> , 2019, 513, 912-918.	1.0	18
729	Dopamine neuronal protection in the mouse Substantia nigra by GHSR is independent of electric activity. <i>Molecular Metabolism</i> , 2019, 24, 120-138.	3.0	7
730	Anticancer Ir III $\alpha$ -Aspirin Conjugates for Enhanced Metabolic Immuno $\alpha$ -Modulation and Mitochondrial Lifetime Imaging. <i>Chemistry - A European Journal</i> , 2019, 25, 7012-7022.	1.7	24
731	Deletion of Gtpbp3 in zebrafish revealed the hypertrophic cardiomyopathy manifested by aberrant mitochondrial tRNA metabolism. <i>Nucleic Acids Research</i> , 2019, 47, 5341-5355.	6.5	36

#	ARTICLE	IF	CITATIONS
732	&lt;p&gt;Intraperitoneal delivery of acetate-encapsulated liposomal nanoparticles for neuroprotection of the penumbra in a rat model of ischemic stroke&lt;/p&gt;. International Journal of Nanomedicine, 2019, Volume 14, 1979-1991.	3.3	30
733	Effects of treadmill exercise on mitochondrial fusion and fission in the hippocampus of APP/PS1 mice. Neuroscience Letters, 2019, 701, 84-91.	1.0	26
734	Resveratrol attenuates oxidative injury in human umbilical vein endothelial cells through regulating mitochondrial fusion via TyrRS-PARP1 pathway. Nutrition and Metabolism, 2019, 16, 9.	1.3	19
735	Cellular $\alpha$ -synuclein pathology is associated with bioenergetic dysfunction in Parkinson's iPSC-derived dopamine neurons. Human Molecular Genetics, 2019, 28, 2001-2013.	1.4	102
736	Population Dynamics of Mitochondria in Cells: A Minimal Mathematical Model. Frontiers in Physics, 2019, 7, .	1.0	8
737	Alpha-Synuclein Preserves Mitochondrial Fusion and Function in Neuronal Cells. Oxidative Medicine and Cellular Longevity, 2019, 2019, 1-11.	1.9	20
738	Mitochondrial abnormalities are involved in periodontal ligament fibroblast apoptosis induced by oxidative stress. Biochemical and Biophysical Research Communications, 2019, 509, 483-490.	1.0	21
739	Rhodospiridium toruloides sir2-like genes remodelled the mitochondrial network to improve the phenotypes of ageing cells. Free Radical Biology and Medicine, 2019, 134, 64-75.	1.3	1
740	Exercise training remodels human skeletal muscle mitochondrial fission and fusion machinery towards a pro-elongation phenotype. Acta Physiologica, 2019, 225, e13216.	1.8	74
741	Mitochondrial quality control in the cardiac system: An integrative view. Biochimica Et Biophysica Acta - Molecular Basis of Disease, 2019, 1865, 782-796.	1.8	18
742	Altered interplay between endoplasmic reticulum and mitochondria in Charcot-Marie-Tooth type 2A neuropathy. Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 2328-2337.	3.3	73
743	Hyperbaric oxygen and aerobic exercise in the long-term treatment of fibromyalgia: A narrative review. Biomedicine and Pharmacotherapy, 2019, 109, 629-638.	2.5	15
744	Benzoylaconine induces mitochondrial biogenesis in mice via activating AMPK signaling cascade. Acta Pharmacologica Sinica, 2019, 40, 658-665.	2.8	32
745	Structural Insights into the Mechanism of Dynamin Superfamily Proteins. Trends in Cell Biology, 2019, 29, 257-273.	3.6	82
746	Cytosolic lipid excess-induced mitochondrial dysfunction is the cause or effect of high fat diet-induced skeletal muscle insulin resistance: a molecular insight. Molecular Biology Reports, 2019, 46, 957-963.	1.0	24
747	Dynamin-related protein 1: A critical protein in the pathogenesis of neural system dysfunctions and neurodegenerative diseases. Journal of Cellular Physiology, 2019, 234, 10032-10046.	2.0	47
748	Wnt-induced activation of glucose metabolism mediates the <i>in vivo</i> neuroprotective roles of Wnt signaling in Alzheimer disease. Journal of Neurochemistry, 2019, 149, 54-72.	2.1	49
749	Leptin-induced cardiomyocyte hypertrophy is associated with enhanced mitochondrial fission. Molecular and Cellular Biochemistry, 2019, 454, 33-44.	1.4	20

#	ARTICLE	IF	CITATIONS
750	Low mitochondrial activity within developing earthworm male germ-line cysts revealed by JC-1. <i>Mitochondrion</i> , 2019, 44, 111-121.	1.6	14
751	Antiproliferative and anti-apoptotic effect of astaxanthin in an oxygen-induced retinopathy mouse model. <i>Canadian Journal of Ophthalmology</i> , 2019, 54, 65-74.	0.4	8
752	Mitochondrial dynamics in exercise physiology. <i>Pflugers Archiv European Journal of Physiology</i> , 2020, 472, 137-153.	1.3	32
753	The expression of glucose transporters and mitochondrial division and fusion proteins in rats exposed to hypoxic preconditioning to attenuate propofol neurotoxicity. <i>International Journal of Neuroscience</i> , 2020, 130, 161-169.	0.8	14
754	Mitochondrial Dysfunction and Morphological Abnormality in Keloid Fibroblasts. <i>Advances in Wound Care</i> , 2020, 9, 539-552.	2.6	9
755	Improvement in mitochondrial function underlies the effects of ANNAO tablets on attenuating cerebral ischemia-reperfusion injuries. <i>Journal of Ethnopharmacology</i> , 2020, 246, 112212.	2.0	11
756	Injury responses of Sprague-Dawley rat jaw muscles to an experimental unilateral anterior crossbite prosthesis. <i>Archives of Oral Biology</i> , 2020, 109, 104588.	0.8	6
757	Ubiquitin and Receptor-Dependent Mitophagy Pathways and Their Implication in Neurodegeneration. <i>Journal of Molecular Biology</i> , 2020, 432, 2510-2524.	2.0	53
758	The FtsZ Homolog, FszB, Inhibits Mitochondrial Dynamics in <i>Dictyostelium discoideum</i> . <i>Cells</i> , 2020, 9, 64.	1.8	4
759	Xanthohumol, an active constituent from hops, affords protection against kainic acid-induced excitotoxicity in rats. <i>Neurochemistry International</i> , 2020, 133, 104629.	1.9	16
760	Species-specific consequences of an E40K missense mutation in superoxide dismutase 1 (SOD1). <i>FASEB Journal</i> , 2020, 34, 458-473.	0.2	5
761	White adipose tissue mitochondrial metabolism in health and in obesity. <i>Obesity Reviews</i> , 2020, 21, e12958.	3.1	111
762	Potential risk of organophosphate exposure in male reproductive system of a non-target insect model <i>Drosophila melanogaster</i> . <i>Environmental Toxicology and Pharmacology</i> , 2020, 74, 103308.	2.0	27
763	PINCH-1 regulates mitochondrial dynamics to promote proline synthesis and tumor growth. <i>Nature Communications</i> , 2020, 11, 4913.	5.8	44
764	Elevated expression of mitochondrial transcription elongation factor (TEFM) predicts poor prognosis in low grade glioma—an analysis of the Cancer Genome Atlas (TCGA) dataset. <i>Translational Cancer Research</i> , 2020, 9, 3610-3622.	0.4	3
765	COX5A Plays a Vital Role in Memory Impairment Associated With Brain Aging via the BDNF/ERK1/2 Signaling Pathway. <i>Frontiers in Aging Neuroscience</i> , 2020, 12, 215.	1.7	19
766	Chronic Alcohol Exposure Induces Aberrant Mitochondrial Morphology and Inhibits Respiratory Capacity in the Medial Prefrontal Cortex of Mice. <i>Frontiers in Neuroscience</i> , 2020, 14, 561173.	1.4	16
767	Mitochondrial Dynamics in Adult Cardiomyocytes and Heart Diseases. <i>Frontiers in Cell and Developmental Biology</i> , 2020, 8, 584800.	1.8	55

#	ARTICLE	IF	CITATIONS
768	The Molecular Mechanisms Underlying Mitochondria-Associated Endoplasmic Reticulum Membrane-Induced Insulin Resistance. <i>Frontiers in Endocrinology</i> , 2020, 11, 592129.	1.5	39
769	The Functional Impact of Mitochondrial Structure Across Subcellular Scales. <i>Frontiers in Physiology</i> , 2020, 11, 541040.	1.3	120
770	Mechanisms and Functions of Mitophagy and Potential Roles in Renal Disease. <i>Frontiers in Physiology</i> , 2020, 11, 935.	1.3	33
771	Luteolin enhances TRAIL sensitivity in non-small cell lung cancer cells through increasing DR5 expression and Drp1-mediated mitochondrial fission. <i>Archives of Biochemistry and Biophysics</i> , 2020, 692, 108539.	1.4	23
772	Mitochondria and cellular redox state on the route from ageing to Alzheimer's disease. <i>Mechanisms of Ageing and Development</i> , 2020, 192, 111385.	2.2	30
773	Maintaining the balance of TDP-43, mitochondria, and autophagy: a promising therapeutic strategy for neurodegenerative diseases. <i>Translational Neurodegeneration</i> , 2020, 9, 40.	3.6	33
774	Teriflunomide preserves peripheral nerve mitochondria from oxidative stress-mediated alterations. <i>Therapeutic Advances in Chronic Disease</i> , 2020, 11, 204062232094477.	1.1	9
775	Inhibition of proteasome reveals basal mitochondrial ubiquitination. <i>Journal of Proteomics</i> , 2020, 229, 103949.	1.2	26
776	Improving Brightness and Stability of Si-Rhodamine for Super-Resolution Imaging of Mitochondria in Living Cells. <i>Analytical Chemistry</i> , 2020, 92, 12137-12144.	3.2	17
777	Animal Models of CMT2A: State-of-art and Therapeutic Implications. <i>Molecular Neurobiology</i> , 2020, 57, 5121-5129.	1.9	6
778	The effect of fasting or calorie restriction on mitophagy induction: a literature review. <i>Journal of Cachexia, Sarcopenia and Muscle</i> , 2020, 11, 1447-1458.	2.9	43
779	Astaxanthin Improved the Cognitive Deficits in APP/PS1 Transgenic Mice Via Selective Activation of mTOR. <i>Journal of Neuroimmune Pharmacology</i> , 2021, 16, 609-619.	2.1	18
780	The Mitochondrial Proteome of Tumor Cells: A SnapShot on Methodological Approaches and New Biomarkers. <i>Biology</i> , 2020, 9, 479.	1.3	4
781	Mitochondrial Dynamics and Bioenergetic Alteration During Inflammatory Activation of Astrocytes. <i>Frontiers in Aging Neuroscience</i> , 2020, 12, 614410.	1.7	11
782	Zika Virus-Induced Neuronal Apoptosis via Increased Mitochondrial Fragmentation. <i>Frontiers in Microbiology</i> , 2020, 11, 598203.	1.5	27
783	TBK1-Mediated DRP1 Targeting Confers Nucleic Acid Sensing to Reprogram Mitochondrial Dynamics and Physiology. <i>Molecular Cell</i> , 2020, 80, 810-827.e7.	4.5	35
784	ER-Mitochondria Contact Sites Reporters: Strengths and Weaknesses of the Available Approaches. <i>International Journal of Molecular Sciences</i> , 2020, 21, 8157.	1.8	30
785	Mitochondria Define Intestinal Stem Cell Differentiation Downstream of a FOXO/Notch Axis. <i>Cell Metabolism</i> , 2020, 32, 889-900.e7.	7.2	90

#	ARTICLE	IF	CITATIONS
786	TRPM2 channel-mediated cell death: An important mechanism linking oxidative stress-inducing pathological factors to associated pathological conditions. <i>Redox Biology</i> , 2020, 37, 101755.	3.9	71
787	High-content fluorescence imaging with the metabolic flux assay reveals insights into mitochondrial properties and functions. <i>Communications Biology</i> , 2020, 3, 271.	2.0	40
788	Mitochondria as a target for neuroprotection: role of methylene blue and photobiomodulation. <i>Translational Neurodegeneration</i> , 2020, 9, 19.	3.6	63
789	Molecular cross talk among the components of the regulatory machinery of mitochondrial structure and quality control. <i>Experimental and Molecular Medicine</i> , 2020, 52, 730-737.	3.2	15
790	MiD51 Is Important for Maintaining Mitochondrial Health in Pancreatic Islet and MIN6 Cells. <i>Frontiers in Endocrinology</i> , 2020, 11, 232.	1.5	3
791	Mitochondria in skin health, aging, and disease. <i>Cell Death and Disease</i> , 2020, 11, 444.	2.7	135
792	Beyond glycolysis: Hypoxia signaling as a master regulator of alternative metabolic pathways and the implications in clear cell renal cell carcinoma. <i>Cancer Letters</i> , 2020, 489, 19-28.	3.2	23
793	Ferulic Acid Attenuates Hypoxia/Reoxygenation Injury by Suppressing Mitophagy Through the PINK1/Parkin Signaling Pathway in H9c2 Cells. <i>Frontiers in Pharmacology</i> , 2020, 11, 103.	1.6	27
794	Piscidin-1 Induces Apoptosis via Mitochondrial Reactive Oxygen Species-Regulated Mitochondrial Dysfunction in Human Osteosarcoma Cells. <i>Scientific Reports</i> , 2020, 10, 5045.	1.6	24
795	LncRNAs regulate metabolism in cancer. <i>International Journal of Biological Sciences</i> , 2020, 16, 1194-1206.	2.6	96
796	Cadmium elicits alterations in mitochondrial morphology and functionality in C3H10T1/2Cl8 mouse embryonic fibroblasts. <i>Biochimica Et Biophysica Acta - General Subjects</i> , 2020, 1864, 129568.	1.1	8
797	Antioxidant Role of PRGF on RPE Cells after Blue Light Insult as a Therapy for Neurodegenerative Diseases. <i>International Journal of Molecular Sciences</i> , 2020, 21, 1021.	1.8	18
798	Acetate and Butyrate Improve Î²-cell Metabolism and Mitochondrial Respiration under Oxidative Stress. <i>International Journal of Molecular Sciences</i> , 2020, 21, 1542.	1.8	89
799	Lanthanum chloride impairs spatial learning and memory by inducing [Ca <sup>2+</sup> ] <sub>m</sub> overload, mitochondrial fission-fusion disorder and excessive mitophagy in hippocampal nerve cells of rats. <i>Metallomics</i> , 2020, 12, 592-606.	1.0	19
800	Mitochondrial Dynamic Dysfunction as a Main Triggering Factor for Inflammation Associated Chronic Non-Communicable Diseases. <i>Journal of Inflammation Research</i> , 2020, Volume 13, 97-107.	1.6	58
801	SIRT3 protects against early brain injury following subarachnoid hemorrhage via promoting mitochondrial fusion in an AMPK dependent manner. <i>Chinese Neurosurgical Journal</i> , 2020, 6, 1.	0.3	18
802	Stimulation of cytoprotective autophagy and components of mitochondrial biogenesis / proteostasis in response to ionizing radiation as a credible pro-survival strategy. <i>Free Radical Biology and Medicine</i> , 2020, 152, 715-727.	1.3	13
803	Property-Activity Relationship of Black Phosphorus at the Nano-Bio Interface: From Molecules to Organisms. <i>Chemical Reviews</i> , 2020, 120, 2288-2346.	23.0	158

#	ARTICLE	IF	CITATIONS
804	Dinuclear metal complexes: multifunctional properties and applications. <i>Chemical Society Reviews</i> , 2020, 49, 765-838.	18.7	148
805	CNP mediated selective toxicity on melanoma cells is accompanied by mitochondrial dysfunction. <i>PLoS ONE</i> , 2020, 15, e0227926.	1.1	20
806	Ovarian mitochondrial dynamics and cell fate regulation in an androgen-induced rat model of polycystic ovarian syndrome. <i>Scientific Reports</i> , 2020, 10, 1021.	1.6	30
807	Imaging Mitochondrial Functions: From Fluorescent Dyes to Genetically-Encoded Sensors. <i>Genes</i> , 2020, 11, 125.	1.0	27
808	Salvianolic acid B protects against oxLDL-induced endothelial dysfunction under high-glucose conditions by downregulating ROCK1-mediated mitophagy and apoptosis. <i>Biochemical Pharmacology</i> , 2020, 174, 113815.	2.0	26
809	Phototropin- and photosynthesis-dependent mitochondrial positioning in <i>Arabidopsis thaliana</i> mesophyll cells. <i>Journal of Integrative Plant Biology</i> , 2020, 62, 1352-1371.	4.1	7
810	Major Depressive Disorder is Associated with Impaired Mitochondrial Function in Skin Fibroblasts. <i>Cells</i> , 2020, 9, 884.	1.8	28
811	Mitochondria-targeted fluorescent probe based on vibration-induced emission for real-time monitoring mitophagy-specific viscosity dynamic. <i>Chinese Chemical Letters</i> , 2020, 31, 2897-2902.	4.8	20
812	Chicken thalamic injury induced by copper (II) or / and arsenite exposure involves oxidative stress and inflammation-induced apoptosis. <i>Ecotoxicology and Environmental Safety</i> , 2020, 197, 110554.	2.9	18
813	A <i>Dictyostelium discoideum</i> mitochondrial fluorescent tagging vector that does not affect respiratory function. <i>Biochemistry and Biophysics Reports</i> , 2020, 22, 100751.	0.7	1
814	The AMPK-MFN2 axis regulates MAM dynamics and autophagy induced by energy stresses. <i>Autophagy</i> , 2021, 17, 1142-1156.	4.3	126
815	Mitochondrial transfer from mesenchymal stem cells improves neuronal metabolism after oxidant injury in vitro: The role of Miro1. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2021, 41, 761-770.	2.4	67
816	Testosterone treatment is associated with reduced adipose tissue dysfunction and nonalcoholic fatty liver disease in obese hypogonadal men. <i>Journal of Endocrinological Investigation</i> , 2021, 44, 819-842.	1.8	25
817	Icaritin activates Nrf2/Keap1 signaling to protect neuronal cells from oxidative stress. <i>Chemical Biology and Drug Design</i> , 2021, 97, 111-120.	1.5	17
818	Progression-Mediated Changes in Mitochondrial Morphology Promotes Adaptation to Hypoxic Peritoneal Conditions in Serous Ovarian Cancer. <i>Frontiers in Oncology</i> , 2020, 10, 600113.	1.3	27
819	Human skeletal muscle mitochondrial dynamics in relation to oxidative capacity and insulin sensitivity. <i>Diabetologia</i> , 2021, 64, 424-436.	2.9	37
820	Golgi-Dependent Copper Homeostasis Sustains Synaptic Development and Mitochondrial Content. <i>Journal of Neuroscience</i> , 2021, 41, 215-233.	1.7	17
821	Lupeol and its derivatives as anticancer and anti-inflammatory agents: Molecular mechanisms and therapeutic efficacy. <i>Pharmacological Research</i> , 2021, 164, 105373.	3.1	74

#	ARTICLE	IF	CITATIONS
822	Miro (Mitochondrial Rho GTPase), a key player of mitochondrial axonal transport and mitochondrial dynamics in neurodegenerative diseases. <i>Mitochondrion</i> , 2021, 56, 118-135.	1.6	25
823	Inhibition of Drp1 SUMOylation by ALR protects the liver from ischemia-reperfusion injury. <i>Cell Death and Differentiation</i> , 2021, 28, 1174-1192.	5.0	48
824	Cdk5 Loss Alters Mitochondrial Cristae Organization. <i>Journal of Cancer Treatment &amp; Diagnosis</i> , 2021, 5, 5-8.	0.9	0
825	Exposure to oxidized soybean oil induces mammary mitochondrial injury in lactating rats and alters the intestinal barrier function of progeny. <i>Food and Function</i> , 2021, 12, 3705-3719.	2.1	5
826	Update of Mitochondrial Network Analysis by Imaging: Proof of Technique in Schizophrenia. <i>Methods in Molecular Biology</i> , 2021, 2277, 187-201.	0.4	2
827	Maternal overnutrition and mitochondrial function. , 2021, , 265-296.		0
828	TRPM2 channel in oxidative stress-induced mitochondrial dysfunction and apoptotic cell death. <i>Advances in Protein Chemistry and Structural Biology</i> , 2021, 125, 51-72.	1.0	11
829	Dysfunction of Mitochondrial Dynamics in Drosophila Model of Diabetic Nephropathy. <i>Life</i> , 2021, 11, 67.	1.1	4
830	Marf-mediated mitochondrial fusion is imperative for the development and functioning of indirect flight muscles (IFMs) in drosophila. <i>Experimental Cell Research</i> , 2021, 399, 112486.	1.2	9
831	Power Failure of Mitochondria and Oxidative Stress in Neurodegeneration and Its Computational Models. <i>Antioxidants</i> , 2021, 10, 229.	2.2	17
832	LONP1 Regulates Mitochondrial Accumulations of HMGB1 and Caspase-3 in CA1 and PV Neurons Following Status Epilepticus. <i>International Journal of Molecular Sciences</i> , 2021, 22, 2275.	1.8	9
833	Mitochondrial Dysfunction and Oxidative Stress in Alzheimer's Disease. <i>Frontiers in Aging Neuroscience</i> , 2021, 13, 617588.	1.7	236
834	Involvement of Mitochondrial Dynamics and Mitophagy in Sevoflurane-Induced Cell Toxicity. <i>Oxidative Medicine and Cellular Longevity</i> , 2021, 2021, 1-7.	1.9	10
835	IGF1R Deficiency Modulates Brain Signaling Pathways and Disturbs Mitochondria and Redox Homeostasis. <i>Biomedicines</i> , 2021, 9, 158.	1.4	17
836	GDF11 alleviates secondary brain injury after intracerebral hemorrhage via attenuating mitochondrial dynamic abnormality and dysfunction. <i>Scientific Reports</i> , 2021, 11, 3974.	1.6	17
837	Mitochondria Associated Membranes (MAMs): Architecture and physiopathological role. <i>Cell Calcium</i> , 2021, 94, 102343.	1.1	64
838	Adipose tissue and age-dependent insulin resistance: New insights into WAT browning (Review). <i>International Journal of Molecular Medicine</i> , 2021, 47, .	1.8	8
839	Mitochondrial and Autophagic Regulation of Adult Neurogenesis in the Healthy and Diseased Brain. <i>International Journal of Molecular Sciences</i> , 2021, 22, 3342.	1.8	15

#	ARTICLE	IF	CITATIONS
840	The function of SUMOylation and its crucial roles in the development of neurological diseases. <i>FASEB Journal</i> , 2021, 35, e21510.	0.2	11
841	Fetal Cardiac Cellular Damage Caused by Anemia in Utero in Hb Bart's Disease. <i>Current Molecular Medicine</i> , 2021, 21, 165-175.	0.6	2
842	Revisiting the role of mitochondria in spinal muscular atrophy. <i>Cellular and Molecular Life Sciences</i> , 2021, 78, 4785-4804.	2.4	14
843	Mitochondrial Transplantation as a Novel Therapeutic Strategy for Mitochondrial Diseases. <i>International Journal of Molecular Sciences</i> , 2021, 22, 4793.	1.8	46
844	Changes in Drp1 Function and Mitochondrial Morphology Are Associated with the $\alpha$ -Synuclein Pathology in a Transgenic Mouse Model of Parkinson's Disease. <i>Cells</i> , 2021, 10, 885.	1.8	27
845	Suppression of PGC-1 $\alpha$ Drives Metabolic Dysfunction in TGF $\beta$ 2-Induced EMT of Retinal Pigment Epithelial Cells. <i>International Journal of Molecular Sciences</i> , 2021, 22, 4701.	1.8	19
846	Skeletal muscle heme oxygenase-1 activity regulates aerobic capacity. <i>Cell Reports</i> , 2021, 35, 109018.	2.9	18
847	Mitochondrial remodelling—a vicious cycle in diabetic complications. <i>Molecular Biology Reports</i> , 2021, 48, 4721-4731.	1.0	1
848	All-Trans Retinoic Acid Increases DRP1 Levels and Promotes Mitochondrial Fission. <i>Cells</i> , 2021, 10, 1202.	1.8	13
849	Pre-harvest oil palm FFB nondestructive evaluation technique using thermal-imaging device. <i>IOP Conference Series: Earth and Environmental Science</i> , 2021, 757, 012003.	0.2	6
850	The relevance of mitochondrial morphology for human disease. <i>International Journal of Biochemistry and Cell Biology</i> , 2021, 134, 105951.	1.2	21
851	Mitochondrial Dynamics and Liver Cancer. <i>Cancers</i> , 2021, 13, 2571.	1.7	17
852	Mitochondrial DNA as a Molecular Marker in Insect Ecology: Current Status and Future Prospects. <i>Annals of the Entomological Society of America</i> , 2021, 114, 470-476.	1.3	28
853	Excessively Enlarged Mitochondria in the Kidneys of Diabetic Nephropathy. <i>Antioxidants</i> , 2021, 10, 741.	2.2	10
854	Mitochondrial fusion and fission: The fine-tune balance for cellular homeostasis. <i>FASEB Journal</i> , 2021, 35, e21620.	0.2	148
855	AMPK: Potential Therapeutic Target for Vascular Calcification. <i>Frontiers in Cardiovascular Medicine</i> , 2021, 8, 670222.	1.1	12
856	Modern cities modelled as "super-cells" rather than multicellular organisms: Implications for industry, goods and services. <i>BioEssays</i> , 2021, 43, e2100041.	1.2	4
857	Mixed-Charge Nanocarriers Allow for Selective Targeting of Mitochondria by Otherwise Nonselective Dyes. <i>ACS Nano</i> , 2021, 15, 11470-11490.	7.3	7



#	ARTICLE	IF	CITATIONS
858	Effect of Titanium Dioxide and Silver Nanoparticles on Mitochondrial Dynamics in Mouse Testis Tissue. <i>Biological Trace Element Research</i> , 2022, 200, 1650-1658.	1.9	8
860	Mitochondrial Dynamics Related Genes -MFN1, MFN2 and DRP1 Polymorphisms are Associated with Risk of Lung Cancer. <i>Pharmacogenomics and Personalized Medicine</i> , 2021, Volume 14, 695-703.	0.4	3
861	Knockdown of SGLT1 prevents the apoptosis of cardiomyocytes induced by glucose fluctuation via relieving oxidative stress and mitochondrial dysfunction. <i>Biochemistry and Cell Biology</i> , 2021, 99, 356-363.	0.9	6
862	Natural products as pharmacological modulators of mitochondrial dysfunctions for the treatments of Alzheimer's disease: A comprehensive review. <i>European Journal of Medicinal Chemistry</i> , 2021, 218, 113401.	2.6	12
863	Contribution of the Nrf2 Pathway on Oxidative Damage and Mitochondrial Failure in Parkinson and Alzheimer's Disease. <i>Antioxidants</i> , 2021, 10, 1069.	2.2	53
865	Dynamamin-related protein 1 deficiency accelerates lipopolysaccharide-induced acute liver injury and inflammation in mice. <i>Communications Biology</i> , 2021, 4, 894.	2.0	9
866	Mitochondrial dysfunction as a driver of NLRP3 inflammasome activation and its modulation through mitophagy for potential therapeutics. <i>International Journal of Biochemistry and Cell Biology</i> , 2021, 136, 106013.	1.2	65
867	The differences in mitochondrial function, mitochondrial dynamics, and cell death between odontogenic cysts/tumors and normal dental follicles. <i>Mitochondrion</i> , 2021, 59, 175-183.	1.6	0
868	Pharmacologically targeting molecular motor promotes mitochondrial fission for anti-cancer. <i>Acta Pharmaceutica Sinica B</i> , 2021, 11, 1853-1866.	5.7	11
869	The role of mitophagy in pulmonary sepsis. <i>Mitochondrion</i> , 2021, 59, 63-75.	1.6	25
870	A Conserved Role for Asrij/OCIAD1 in Progenitor Differentiation and Lineage Specification Through Functional Interaction With the Regulators of Mitochondrial Dynamics. <i>Frontiers in Cell and Developmental Biology</i> , 2021, 9, 643444.	1.8	6
871	Altered Metabolism in Alzheimer Disease Brain: Role of Oxidative Stress. <i>Antioxidants and Redox Signaling</i> , 2022, 36, 1289-1305.	2.5	39
872	Rapid manipulation of mitochondrial morphology in a living cell with iCMM. <i>Cell Reports Methods</i> , 2021, 1, 100052.	1.4	10
873	Lipids activate skeletal muscle mitochondrial fission and quality control networks to induce insulin resistance in humans. <i>Metabolism: Clinical and Experimental</i> , 2021, 121, 154803.	1.5	40
875	Baicalein Mediates Mitochondrial Autophagy via miR-30b and the NIX/BNIP3 Signaling Pathway in Parkinson's Disease. <i>Biochemistry Research International</i> , 2021, 2021, 1-11.	1.5	14
876	Yeast mitophagy: Unanswered questions. <i>Biochimica Et Biophysica Acta - General Subjects</i> , 2021, 1865, 129932.	1.1	7
877	Effects of Urolithin A on Mitochondrial Parameters in a Cellular Model of Early Alzheimer Disease. <i>International Journal of Molecular Sciences</i> , 2021, 22, 8333.	1.8	27
878	The Role of Taurine in Mitochondria Health: More Than Just an Antioxidant. <i>Molecules</i> , 2021, 26, 4913.	1.7	69

#	ARTICLE	IF	CITATIONS
879	Activation of ERK $\alpha$ Drp1 signaling promotes hypoxia-induced A $\beta$ accumulation by upregulating mitochondrial fission and BACE1 activity. <i>FEBS Open Bio</i> , 2021, 11, 2740-2755.	1.0	14
880	Recombinant High-Mobility Group Box 1 (rHMGB1) Promotes NRF2-Independent Mitochondrial Fusion through CXCR4/PSMB5-Mediated Drp1 Degradation in Endothelial Cells. <i>Oxidative Medicine and Cellular Longevity</i> , 2021, 2021, 1-20.	1.9	1
881	Formin 3 directs dendritic architecture via microtubule regulation and is required for somatosensory nociceptive behavior. <i>Development (Cambridge)</i> , 2021, 148, .	1.2	12
882	Trimetazidine and exercise provide comparable improvements to high fat diet-induced muscle dysfunction through enhancement of mitochondrial quality control. <i>Scientific Reports</i> , 2021, 11, 19116.	1.6	8
883	MitoCellPhe reveals mitochondrial morphologies in single fibroblasts and clustered stem cells. <i>American Journal of Physiology - Cell Physiology</i> , 2021, 321, C735-C748.	2.1	3
884	Dynamin-related protein 1 regulates substrate oxidation in skeletal muscle by stabilizing cellular and mitochondrial calcium dynamics. <i>Journal of Biological Chemistry</i> , 2021, 297, 101196.	1.6	8
885	Therapeutic potential and recent advances on targeting mitochondrial dynamics in cardiac hypertrophy: A concise review. <i>Molecular Therapy - Nucleic Acids</i> , 2021, 25, 416-443.	2.3	24
886	Mitochondrial transplantation in cardiomyocytes: foundation, methods, and outcomes. <i>American Journal of Physiology - Cell Physiology</i> , 2021, 321, C489-C503.	2.1	21
887	Nicotinamide effects on the metabolism of human fibroblasts and keratinocytes assessed by quantitative, label-free fluorescence imaging. <i>Biomedical Optics Express</i> , 2021, 12, 6375.	1.5	3
888	Small-molecule suppression of calpastatin degradation reduces neuropathology in models of Huntington's disease. <i>Nature Communications</i> , 2021, 12, 5305.	5.8	21
889	Paeonol promotes Opa1-mediated mitochondrial fusion via activating the CK2 $\pm$ -Stat3 pathway in diabetic cardiomyopathy. <i>Redox Biology</i> , 2021, 46, 102098.	3.9	43
890	Dihydrocapsaicin effectively mitigates cerebral ischemia-induced pathological changes in vivo, partly via antioxidant and anti-apoptotic pathways. <i>Life Sciences</i> , 2021, 283, 119842.	2.0	6
891	Mitophagy in depression: Pathophysiology and treatment targets. <i>Mitochondrion</i> , 2021, 61, 1-10.	1.6	23
892	Effects of cadmium on mitochondrial structure and function in different organs: studies on the soil centipede <i>Lithobius forficatus</i> (Myriapoda, Chilopoda). , 2021, 88, 632-648.		12
893	Alternative human eIF5A protein isoform plays a critical role in mitochondria. <i>Journal of Cellular Biochemistry</i> , 2021, 122, 549-561.	1.2	7
894	Green Fluorescent Protein GFP-Chromophore-Based Probe for the Detection of Mitochondrial Viscosity in Living Cells. <i>ACS Applied Bio Materials</i> , 2021, 4, 2128-2134.	2.3	24
895	Noncanonical Functions of BCL-2 Proteins in the Nervous System. <i>Advances in Experimental Medicine and Biology</i> , 2010, 687, 115-129.	0.8	7
896	Analysis of Mitochondrial Network by Imaging: Proof of Technique in Schizophrenia. <i>Methods in Molecular Biology</i> , 2015, 1265, 425-439.	0.4	2

#	ARTICLE	IF	CITATIONS
897	Prohibitin Signaling at the Kidney Filtration Barrier. <i>Advances in Experimental Medicine and Biology</i> , 2017, 982, 563-575.	0.8	6
898	Advances in Tri-parent Baby Technology: The Bioethical Challenge for Muslims. , 2016, , 289-299.		2
899	Introduction to Autophagy. , 2014, , 1-36.		2
900	Overview of Autophagy. , 2016, , 3-73.		1
901	CHAPTER 5. Oxidative Stress, Metabolism and Photoaging – The Role of Mitochondria. <i>Comprehensive Series in Photochemical and Photobiological Sciences</i> , 2019, , 105-144.	0.3	1
902	Roles of mitochondria in human disease. <i>Essays in Biochemistry</i> , 2010, 47, 115-137.	2.1	147
903	Mechanisms and roles of mitochondrial localisation and dynamics in neuronal function. <i>Neuronal Signaling</i> , 2020, 4, NS20200008.	1.7	61
904	Relief of talin autoinhibition triggers a force-independent association with vinculin. <i>Journal of Cell Biology</i> , 2020, 219, .	2.3	39
909	The possible involvement of mitochondrial dysfunctions in Lewy body dementia: a systematic review. <i>Functional Neurology</i> , 2015, 30, 151-8.	1.3	18
910	Heme oxygenase-1 regulates mitochondrial quality control in the heart. <i>JCI Insight</i> , 2016, 1, e85817.	2.3	124
911	Mitochondrial Fusion and Fission in Neuronal Death Induced by Cerebral Ischemia-Reperfusion and Its Clinical Application: A Mini-Review. <i>Medical Science Monitor</i> , 2020, 26, e928651.	0.5	12
912	Quantifying Mitochondrial Dynamics in Apoptotic Cells with Optical Gabor-Like Filtering. , 2010, , .		1
913	Vimar Is a Novel Regulator of Mitochondrial Fission through Miro. <i>PLoS Genetics</i> , 2016, 12, e1006359.	1.5	39
914	Mitochondrial Dysfunction and Apoptosis in Cumulus Cells of Type I Diabetic Mice. <i>PLoS ONE</i> , 2010, 5, e15901.	1.1	96
915	Mitochondrial Structure and Function Are Disrupted by Standard Isolation Methods. <i>PLoS ONE</i> , 2011, 6, e18317.	1.1	247
916	Cytoplasmic Fungal Lipases Release Fungicides from Ultra-Deformable Vesicular Drug Carriers. <i>PLoS ONE</i> , 2012, 7, e38181.	1.1	8
917	GTP-Binding-Defective ARL4D Alters Mitochondrial Morphology and Membrane Potential. <i>PLoS ONE</i> , 2012, 7, e43552.	1.1	15
918	Regulation of Mitochondrial Morphogenesis by Annexin A6. <i>PLoS ONE</i> , 2013, 8, e53774.	1.1	53

#	ARTICLE	IF	CITATIONS
919	Atad3 Function Is Essential for Early Post-Implantation Development in the Mouse. PLoS ONE, 2013, 8, e54799.	1.1	40
920	An Improved Quantitative Approach for the Assessment of Mitochondrial Fragmentation in Chemoresistant Ovarian Cancer Cells. PLoS ONE, 2013, 8, e74008.	1.1	34
921	Suppression of Cpn10 Increases Mitochondrial Fission and Dysfunction in Neuroblastoma Cells. PLoS ONE, 2014, 9, e112130.	1.1	5
922	Drp1-dependent mitochondrial fission mediates osteogenic dysfunction in inflammation through elevated production of reactive oxygen species. PLoS ONE, 2017, 12, e0175262.	1.1	19
923	Visualization of Multicolored in vivo Organelle Markers for Co-Localization Studies in Oryza sativa. Molecules and Cells, 2017, 40, 828-836.	1.0	26
924	The Interface Between ER and Mitochondria: Molecular Compositions and Functions. Molecules and Cells, 2018, 41, 1000-1007.	1.0	99
925	Reduced TORC1 signaling abolishes mitochondrial dysfunctions and shortened chronological lifespan of Isc1p-deficient cells. Microbial Cell, 2014, 1, 21-36.	1.4	23
926	The suppression of ghrelin signaling mitigates age-associated thermogenic impairment. Aging, 2014, 6, 1019-1032.	1.4	51
927	Idiopathic chronic fatigue in older adults is linked to impaired mitochondrial content and biogenesis signaling in skeletal muscle. Oncotarget, 2016, 7, 52695-52709.	0.8	28
928	Tristetraprolin inhibits mitochondrial function through suppression of $\hat{\pm}$ -Synuclein expression in cancer cells. Oncotarget, 2017, 8, 41903-41920.	0.8	7
929	Improvement of mitochondrial function mediated the neuroprotective effect of 5-(4-hydroxy-3-dimethoxybenzylidene)-2-thioxo-4-thiazolidinone in rats with cerebral ischemia-reperfusion injuries. Oncotarget, 2017, 8, 61193-61202.	0.8	3
930	ICG-001 affects DRP1 activity and ER stress correlative with its anti-proliferative effect. Oncotarget, 2017, 8, 106764-106777.	0.8	8
931	Apoptotic transition of senescent cells accompanied with mitochondrial hyper-function. Oncotarget, 2016, 7, 28286-28300.	0.8	21
932	The Role of Txnip in Mitophagy Dysregulation and Inflammasome Activation in Diabetic Retinopathy: A New Perspective. JOJ Ophthalmology, 2017, 4, .	0.1	43
933	Mitochondrial diseases: expanding the diagnosis in the era of genetic testing. , 2020, 4, 384-428.		11
934	Mitochondrial Biogenesis: A Therapeutic Target for Neurodevelopmental Disorders and Neurodegenerative Diseases. Current Pharmaceutical Design, 2014, 20, 5574-5593.	0.9	175
935	Mitochondrial Metabolism in Cancer Cachexia: Novel Drug Target. Current Drug Metabolism, 2020, 20, 1141-1153.	0.7	15
936	Mitochondrial Dysfunction in Skeletal Muscle Pathologies. Current Protein and Peptide Science, 2019, 20, 536-546.	0.7	55

#	ARTICLE	IF	CITATIONS
937	Targeting Mitochondria for Cardiac Protection. <i>Current Drug Targets</i> , 2013, 14, 586-600.	1.0	19
938	Curcumin Attenuates Cerebral Ischemia-reperfusion Injury Through Regulating Mitophagy and Preserving Mitochondrial Function. <i>Current Neurovascular Research</i> , 2020, 17, 113-122.	0.4	30
939	Mitochondrial Dysfunction in Depression. <i>Current Neuropharmacology</i> , 2016, 14, 610-618.	1.4	223
940	Mitochondrial dynamics in neurodegeneration: from cell death to energetic states. <i>AIMS Molecular Science</i> , 2015, 2, 161-174.	0.3	9
941	The ubiquitous role of mitochondria in Parkinson and other neurodegenerative diseases. <i>AIMS Neuroscience</i> , 2020, 7, 43-65.	1.0	15
942	Time representation of mitochondrial morphology and function after acute spinal cord injury. <i>Neural Regeneration Research</i> , 2016, 11, 137.	1.6	27
943	Interaction between peroxisomes and mitochondria in fatty acid metabolism. <i>Open Journal of Molecular and Integrative Physiology</i> , 2012, 02, 27-33.	0.6	16
944	Role of apoptotic and necrotic cell death under physiologic conditions. <i>BMB Reports</i> , 2008, 41, 1-10.	1.1	84
945	The role of mitochondria in apoptosis. <i>BMB Reports</i> , 2008, 41, 11-22.	1.1	506
946	microRNA-200a-3p enhances mitochondrial elongation by targeting mitochondrial fission factor. <i>BMB Reports</i> , 2017, 50, 214-219.	1.1	16
947	Mitochondria as a Biosensor for Drug-induced Toxicity – Is It Really Relevant?. , 0, , .		2
948	Stochastic modelling, Bayesian inference, and new in vivo measurements elucidate the debated mtDNA bottleneck mechanism. <i>ELife</i> , 2015, 4, e07464.	2.8	83
949	Mitochondrial Fusion Suppresses Tau Pathology-Induced Neurodegeneration and Cognitive Decline. <i>Journal of Alzheimer's Disease</i> , 2021, 84, 1057-1069.	1.2	6
950	Can insecticide-free clean water regenerate the midgut epithelium of the freshwater shrimp after dimethoate treatment?. <i>Micron</i> , 2022, 155, 103162.	1.1	9
951	DNA Damage-Induced Inflammatory Microenvironment and Adult Stem Cell Response. <i>Frontiers in Cell and Developmental Biology</i> , 2021, 9, 729136.	1.8	34
952	Resveratrol Treatment in Human Parkin-Mutant Fibroblasts Modulates cAMP and Calcium Homeostasis Regulating the Expression of Mitochondria-Associated Membranes Resident Proteins. <i>Biomolecules</i> , 2021, 11, 1511.	1.8	6
953	Anomalies ultrastructurales des mitochondries axonales chez des patients atteints de formes prcoces de maladie de Charcot-Marie-Tooth dues Å des mutations de la mitofusine 2. <i>Bulletin De L'Academie Nationale De Medecine</i> , 2009, 193, 151-161.	0.0	1
954	Nanoscale Components of Neurons: From Biomolecules to Nanodevices. <i>Biological and Medical Physics Series</i> , 2009, , 35-84.	0.3	0

#	ARTICLE	IF	CITATIONS
955	Mitochondria, a Platform for Diverse Signaling Pathways. , 2010, , 199-217.		0
957	Automatic quantitative analysis on mitochondrial morphology method. Journal of Computer Applications, 2010, 30, 2991-2994.	0.1	0
958	The Giardia Mitosomes. , 2011, , 185-200.		0
959	Oxidative Stress and Mitochondrial Dysfunction in Cardiovascular Diseases. , 0, , .		2
960	SEN3 and SEN5 Peptidases. , 2013, , 2371-2375.		0
962	Morphological Diversity of Mitochondria in Cultured Astrocyte, HeLa, COS7 Cells under High Voltage Electron Microscopy. Applied Microscopy, 2013, 43, 117-121.	0.8	1
963	Heavy Metals and the Ovary. , 2013, , 207-244.		0
964	Somatic mutagenesis of mitochondrial cytochrome b gene from hippocampus of Wistar rats. Ecological Genetics, 2013, 11, 50.	0.1	0
965	Genetic and non-genetic factors responsible for mitochondrial failure and Alzheimer's disease. Genetika, 2014, 46, 631-647.	0.1	0
966	Mitochondrial recovery in mesenchymal stem cells after laser stimulation. , 2014, , .		0
967	Mitochondrial Dynamics Regulates Oxidative Metabolism in Leydig Tumor Cells. , 2016, , 391-408.		0
969	Mitochondrial Fusion Suppresses Pancreatic Cancer Growth via Reduced Oxidative Metabolism. SSRN Electronic Journal, 0, , .	0.4	0
971	Mitochondria, a Therapeutic Target of Aerobic Exercise for the Vascular Homeostasis. Exercise Science, 2018, 27, 177-183.	0.1	0
977	GRP75 mediates endoplasmic reticulum-mitochondria coupling during palmitate-induced pancreatic Î²-cell apoptosis. Journal of Biological Chemistry, 2021, 297, 101368.	1.6	20
978	Mitochondrial metabolism in macrophages. American Journal of Physiology - Cell Physiology, 2021, 321, C1070-C1081.	2.1	9
979	Perspectives of Molecular Therapy-Targeted Mitochondrial Fission in Hepatocellular Carcinoma. BioMed Research International, 2020, 2020, 1-7.	0.9	3
980	TDP-43 and neurodegenerative diseases. , 2022, , 1-26.		1
981	The mitochondrial network in Parkinson's disease. , 2020, , 123-138.		0

#	ARTICLE	IF	CITATIONS
982	Morphology of Mitochondria in Syncytial Annelid Female Germ-Line Cyst Visualized by Serial Block-Face SEM. <i>International Journal of Cell Biology</i> , 2020, 2020, 1-15.	1.0	1
983	Spectral Analysis of Mitochondrial Dynamics: A Graph-Theoretic Approach to Understanding Subcellular Pathology. , 2020, , .		0
984	Inhibition of protein tyrosine phosphatase improves mitochondrial bioenergetics and dynamics, reduces oxidative stress, and enhances adipogenic differentiation potential in metabolically impaired progenitor stem cells. <i>Cell Communication and Signaling</i> , 2021, 19, 106.	2.7	10
985	Isolation and reconstruction of cardiac mitochondria from SBEM images using a deep learning-based method. <i>Journal of Structural Biology</i> , 2022, 214, 107806.	1.3	3
987	Mitochondria and antiviral innate immunity. <i>International Journal of Biochemistry and Molecular Biology</i> , 2011, 2, 257-62.	0.1	14
988	Metabolic Stress and Disorders Related to Alterations in Mitochondrial Fission or Fusion. <i>Molecular and Cellular Pharmacology</i> , 2013, 5, 109-133.	1.7	45
989	Mitochondrial Dynamics in Retinal Ganglion Cell Axon Regeneration and Growth Cone Guidance. <i>Journal of Ocular Biology</i> , 2013, 1, 9.	1.5	18
991	Rays Sting: The Acute Cellular Effects of Ionizing Radiation Exposure. <i>Translational Medicine @ UniSa</i> , 2016, 14, 42-53.	0.8	8
992	Mdivi-1 pretreatment mitigates isoflurane-induced cognitive deficits in developmental rats. <i>American Journal of Translational Research (discontinued)</i> , 2018, 10, 432-443.	0.0	3
993	Fetal bovine serum inhibits neomycin-induced apoptosis of hair cell-like HEI-OC-1 cells by maintaining mitochondrial function. <i>American Journal of Translational Research (discontinued)</i> , 2019, 11, 1343-1358.	0.0	3
994	The Role of Mitochondria in Acute Kidney Injury and Chronic Kidney Disease and Its Therapeutic Potential. <i>International Journal of Molecular Sciences</i> , 2021, 22, .	1.8	4
995	Neurodegenerative diseases. , 2022, , 1-67.		0
996	The Role of Mitochondria in Acute Kidney Injury and Chronic Kidney Disease and Its Therapeutic Potential. <i>International Journal of Molecular Sciences</i> , 2021, 22, 11253.	1.8	69
997	Protective Effect of Manganese on Apoptosis and Mitochondrial Function of Heat-Stressed Primary Chick Embryonic Myocardial Cells. <i>Biological Trace Element Research</i> , 2022, 200, 4419-4429.	1.9	5
998	Mitochondria in Focus: From Function to Therapeutic Strategies in Chronic Lung Diseases. <i>Frontiers in Immunology</i> , 2021, 12, 782074.	2.2	22
1000	Deconstructing the molecular genetics behind the PINK1/Parkin axis in Parkinson's disease using <i>Drosophila melanogaster</i> as a model organism. <i>Egyptian Journal of Medical Human Genetics</i> , 2021, 22, .	0.5	3
1001	Soldier neural architecture is temporarily modality specialized but poorly predicted by repertoire size in the stingless bee <i>Tetragonisca angustula</i> . <i>Journal of Comparative Neurology</i> , 2022, 530, 672-682.	0.9	5
1002	Mitochondria-Endoplasmic Reticulum Crosstalk in Parkinson's Disease: The Role of Brain Renin Angiotensin System Components. <i>Biomolecules</i> , 2021, 11, 1669.	1.8	17

#	ARTICLE	IF	CITATIONS
1003	Involvement of CRMP2 in Regulation of Mitochondrial Morphology and Motility in Huntington's Disease. <i>Cells</i> , 2021, 10, 3172.	1.8	5
1004	The dynamin-related protein 1 is decreased and the mitochondrial network is altered in Friedreich's ataxia cardiomyopathy. <i>International Journal of Biochemistry and Cell Biology</i> , 2022, 143, 106137.	1.2	3
1005	Mitochondria in Neurogenesis: Implications for Mitochondrial Diseases. <i>Stem Cells</i> , 2021, 39, 1289-1297.	1.4	27
1006	Mitochondria, energy, and metabolism in neuronal health and disease. <i>FEBS Letters</i> , 2022, 596, 1095-1110.	1.3	60
1008	Alcohol-Induced Neuroinflammatory Response and Mitochondrial Dysfunction on Aging and Alzheimer's Disease. <i>Frontiers in Behavioral Neuroscience</i> , 2021, 15, 778456.	1.0	10
1009	Atorvastatin Restores PPAR $\alpha$ Inhibition of Lipid Metabolism Disorders by Downregulating miR-21 Expression to Improve Mitochondrial Function and Alleviate Diabetic Nephropathy Progression. <i>Frontiers in Pharmacology</i> , 2022, 13, 819787.	1.6	7
1010	Role of Oxidative Stress in Ocular Diseases Associated with Retinal Ganglion Cells Degeneration. <i>Antioxidants</i> , 2021, 10, 1948.	2.2	34
1011	Mitochondrial Dysfunction and Diabetic Nephropathy: Nontraditional Therapeutic Opportunities. <i>Journal of Diabetes Research</i> , 2021, 2021, 1-14.	1.0	21
1012	Baicalein Induces Mitochondrial Autophagy to Prevent Parkinson's Disease in Rats via miR-30b and the SIRT1/AMPK/mTOR Pathway. <i>Frontiers in Neurology</i> , 2021, 12, 646817.	1.1	20
1013	Time-of-Day Circadian Modulation of Grape-Seed Procyanidin Extract (GSPE) in Hepatic Mitochondrial Dynamics in Cafeteria-Diet-Induced Obese Rats. <i>Nutrients</i> , 2022, 14, 774.	1.7	12
1015	Myostatin is involved in skeletal muscle dysfunction in chronic obstructive pulmonary disease via Drp-1 mediated abnormal mitochondrial division. <i>Annals of Translational Medicine</i> , 2022, 10, 162-162.	0.7	6
1016	All for one: changes in mitochondrial morphology and activity during syncytial oogenesis. <i>Biology of Reproduction</i> , 2022, , .	1.2	2
1017	Cell-autonomous control of intracellular temperature by unsaturation of phospholipid acyl chains. <i>Cell Reports</i> , 2022, 38, 110487.	2.9	8
1018	Mitochondrial-Targeting Near-Infrared Fluorescent Probe for Visualizing Viscosity in Drug-Induced Cells and a Fatty Liver Mouse Model. <i>Analytical Chemistry</i> , 2022, 94, 5069-5074.	3.2	41
1019	PGC-1 $\alpha$ induced mitochondrial biogenesis in stromal cells underpins mitochondrial transfer to melanoma. <i>British Journal of Cancer</i> , 2022, 127, 69-78.	2.9	11
1020	Iron Dysregulation in Mitochondrial Dysfunction and Alzheimer's Disease. <i>Antioxidants</i> , 2022, 11, 692.	2.2	30
1022	Essential role of hyperacetylated microtubules in innate immunity escape orchestrated by the EBV-encoded BHRF1 protein. <i>PLoS Pathogens</i> , 2022, 18, e1010371.	2.1	10
1023	Activation of PINK1/Parkin-mediated mitophagy protects against apoptosis in kidney damage caused by aluminum. <i>Journal of Inorganic Biochemistry</i> , 2022, 230, 111765.	1.5	7



#	ARTICLE	IF	CITATIONS
1024	Site-specific mitochondrial dysfunction in neurodegeneration. <i>Mitochondrion</i> , 2022, 64, 1-18.	1.6	11
1025	Guanxin V alleviates acute myocardial infarction by restraining oxidative stress damage, apoptosis, and fibrosis through the TGF- $\beta$ 1 signalling pathway. <i>Phytomedicine</i> , 2022, 100, 154077.	2.3	20
1026	Mitochondrial Deficits With Neural and Social Damage in Early-Stage Alzheimer's Disease Model Mice. <i>Frontiers in Aging Neuroscience</i> , 2021, 13, 748388.	1.7	7
1028	A New Insight into an Alternative Therapeutic Approach to Restore Redox Homeostasis and Functional Mitochondria in Neurodegenerative Diseases. <i>Antioxidants</i> , 2022, 11, 7.	2.2	5
1029	CDDO-Me Attenuates Cerebral Microglia Activation in CA1 Astrocyte by Inhibiting HSP25-AKT Mediated DRP1-S637 Phosphorylation in Chronic Epilepsy Rats. <i>International Journal of Molecular Sciences</i> , 2022, 23, 4569.	1.8	4
1051	Mitochondria. , 0, , 137-146.		0
1052	PTEN-induced kinase1 (PINK1): More than just mitochondrial quality control. , 2022, , 393-407.		0
1053	CDDO-Me Attenuates CA1 Neuronal Death by Facilitating RalBP1-Mediated Mitochondrial Fission and 4-HNE Efflux in the Rat Hippocampus Following Status Epilepticus. <i>Antioxidants</i> , 2022, 11, 985.	2.2	0
1054	Artesunate restores mitochondrial fusion-fission dynamics and alleviates neuronal injury in Alzheimer's disease models. <i>Journal of Neurochemistry</i> , 2022, 162, 290-304.	2.1	12
1055	Alterations of Mitochondrial Network by Cigarette Smoking and E-Cigarette Vaping. <i>Cells</i> , 2022, 11, 1688.	1.8	8
1056	Age-Related Changes in the Fibroblastic Differentiation of the Dermis: Role in Skin Aging. <i>International Journal of Molecular Sciences</i> , 2022, 23, 6135.	1.8	13
1057	Salidroside attenuates myocardial ischemia/reperfusion injury via AMPK-induced suppression of endoplasmic reticulum stress and mitochondrial fission. <i>Toxicology and Applied Pharmacology</i> , 2022, 448, 116093.	1.3	6
1059	Emerging role of LETM1/GRP78 axis in lung cancer. <i>Cell Death and Disease</i> , 2022, 13, .	2.7	7
1060	Therapeutic Effect of Mitochondrial Division Inhibitor-1 (Mdivi-1) on Hyperglycemia-Exacerbated Early and Delayed Brain Injuries after Experimental Subarachnoid Hemorrhage. <i>International Journal of Molecular Sciences</i> , 2022, 23, 6924.	1.8	3
1061	Casein Kinase 2 Signaling in White Matter Stroke. <i>Frontiers in Molecular Biosciences</i> , 0, 9, .	1.6	1
1062	The use of fibroblasts as a valuable strategy for studying mitochondrial impairment in neurological disorders. <i>Translational Neurodegeneration</i> , 2022, 11, .	3.6	15
1063	Modulating mitofusins to control mitochondrial function and signaling. <i>Nature Communications</i> , 2022, 13, .	5.8	31
1064	Molecular to Supramolecular Self-Assembled Luminogens for Tracking the Intracellular Organelle Dynamics. <i>ACS Applied Bio Materials</i> , 2022, 5, 3623-3648.	2.3	7

#	ARTICLE	IF	CITATIONS
1065	Biomarkers of mitochondrial origin: a futuristic cancer diagnostic. Integrative Biology (United Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 742	0.6	0
1066	TLR22-Induced Pro-Apoptotic mtROS Abets UPRmt-Mediated Mitochondrial Fission in Aeromonas hydrophila-Infected Headkidney Macrophages of Clarias gariepinus. Frontiers in Immunology, 0, 13, .	2.2	7
1067	ELK3 modulates the antitumor efficacy of natural killer cells against triple negative breast cancer by regulating mitochondrial dynamics. , 2022, 10, e004825.		9
1068	Mitochondrial trafficking and redox/phosphorylation signaling supporting cell migration phenotypes. Frontiers in Molecular Biosciences, 0, 9, .	1.6	3
1069	Role of mitophagy in the hallmarks of aging. Journal of Biomedical Research, 2023, 37, 1.	0.7	1
1070	Altered TDP-43 Structure and Function: Key Insights into Aberrant RNA, Mitochondrial, and Cellular and Systemic Metabolism in Amyotrophic Lateral Sclerosis. Metabolites, 2022, 12, 709.	1.3	9
1071	SUMOylation and Major Depressive Disorder. International Journal of Molecular Sciences, 2022, 23, 8023.	1.8	5
1072	The APP intracellular domain promotes <i>LRRK2</i> expression to enable feed-forward neurodegenerative mechanisms in Parkinsonâ€™s disease. Science Signaling, 2022, 15, .	1.6	1
1073	Mitochondrial dynamics maintain muscle stem cell regenerative competence throughout adult life by regulating metabolism and mitophagy. Cell Stem Cell, 2022, 29, 1298-1314.e10.	5.2	48
1074	Fructose milieu undermines the therapeutic effect of <i>Tribulus terrestris</i> extract on neuroblastoma cell line via maintaining mitochondrial function. Environmental Toxicology, 2022, 37, 2728-2742.	2.1	1
1075	Control of mitochondrial dynamics and apoptotic pathways by peroxisomes. Frontiers in Cell and Developmental Biology, 0, 10, .	1.8	5
1076	A benzothioephene-quinoline-based targetable fluorescent chemosensor for detection of viscosity and mitochondrial imaging in live cells. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2023, 284, 121799.	2.0	4
1077	Exercise: Thermodynamic and Bioenergetic Principles. Physiology in Health and Disease, 2022, , 27-50.	0.2	0
1078	Î±-Synuclein Interactions in Mitochondria-ER Contacts: A Possible Role in Parkinson's Disease. Contact (Thousand Oaks (Ventura County, Calif )), 2022, 5, 251525642211193.	0.4	1
1079	COX-2 Expression in Hepatocytes Improves Mitochondrial Function after Hepatic Ischemia-Reperfusion Injury. Antioxidants, 2022, 11, 1724.	2.2	7
1080	DarT-mediated mtDNA damage induces dynamic reorganization and selective segregation of mitochondria. Journal of Cell Biology, 2022, 221, .	2.3	4
1082	Mitochondrial Dynamin-Related Protein Drp1: a New Player in Cardio-oncology. Current Oncology Reports, 2022, 24, 1751-1763.	1.8	6
1083	CERKL, a Retinal Dystrophy Gene, Regulates Mitochondrial Transport and Dynamics in Hippocampal Neurons. International Journal of Molecular Sciences, 2022, 23, 11593.	1.8	2

#	ARTICLE	IF	CITATIONS
1084	Impact of Sustained Exogenous Irisin Myokine Administration on Muscle and Myocyte Integrity in Sprague Dawley Rats. <i>Metabolites</i> , 2022, 12, 939.	1.3	2
1085	Role of mitochondria in brain functions and related disorders. <i>Exploration of Medicine</i> , 0, , 494-515.	1.5	0
1086	A Germline-Specific Regulator of Mitochondrial Fusion is Required for Maintenance and Differentiation of Germline Stem and Progenitor Cells. <i>Advanced Science</i> , 2022, 9, .	5.6	5
1087	Increased Mobile Zinc Regulates Retinal Ganglion Cell Survival via Activating Mitochondrial OMA1 and Integrated Stress Response. <i>Antioxidants</i> , 2022, 11, 2001.	2.2	8
1088	Role of Tunneling Nanotubes in the Nervous System. <i>International Journal of Molecular Sciences</i> , 2022, 23, 12545.	1.8	3
1089	Phenotypic plasticity of vascular smooth muscle cells in vascular calcification: Role of mitochondria. <i>Frontiers in Cardiovascular Medicine</i> , 0, 9, .	1.1	2
1090	Effect of intravitreal octreotide acetate injection on retinal neovascularization, morphology, and apoptotic cell death in an oxygen-induced retinopathy mouse model. <i>Turkish Journal of Medical Sciences</i> , 0, , .	0.4	1
1091	The role of mitochondrial fission in intervertebral disc degeneration. <i>Osteoarthritis and Cartilage</i> , 2023, 31, 158-166.	0.6	6
1092	The role of TICAR in nervous system diseases. <i>Frontiers in Aging Neuroscience</i> , 0, 14, .	1.7	0
1093	Role of tubulin post-translational modifications in peripheral neuropathy. <i>Experimental Neurology</i> , 2023, 360, 114274.	2.0	2
1094	Gut microbial DNA and immune checkpoint gene <i>Vsig4/CRIg</i> are key antagonistic players in healthy aging and age-associated development of hypertension and diabetes. <i>Frontiers in Endocrinology</i> , 0, 13, .	1.5	2
1095	Mitochondrial dysfunctions, oxidative stress and neuroinflammation as therapeutic targets for neurodegenerative diseases: An update on current advances and impediments. <i>Neuroscience and Biobehavioral Reviews</i> , 2023, 144, 104961.	2.9	28
1096	Parkin regulates adiposity by coordinating mitophagy with mitochondrial biogenesis in white adipocytes. <i>Nature Communications</i> , 2022, 13, .	5.8	8
1097	Ovarian aging: mechanisms and intervention strategies. <i>Medical Review</i> , 2023, 2, 590-610.	0.3	5
1099	Emerging mitochondrial-mediated mechanisms involved in oligodendrocyte development. <i>Journal of Neuroscience Research</i> , 2023, 101, 354-366.	1.3	4
1100	Mitochondria Drive Immune Responses in Critical Disease. <i>Cells</i> , 2022, 11, 4113.	1.8	5
1101	Resolvin D1 attenuates sepsis induced acute kidney injury targeting mitochondria and NF- $\kappa$ B signaling pathway. <i>Heliyon</i> , 2022, 8, e12269.	1.4	2
1102	Icaritin inhibits oxidative stress in murine astrocytes by binding to Orai1 to block store-operated calcium channel. <i>Chemical Biology and Drug Design</i> , 0, , .	1.5	0

#	ARTICLE	IF	CITATIONS
1104	Mechanisms and Functions of Mitochondrial Dynamics. , 2016, , 348-362.		0
1105	A quantitative proteomic analyses of primary myocardial cell injury induced by heat stress in chicken embryo. <i>Journal of Thermal Biology</i> , 2023, 112, 103461.	1.1	2
1106	Control of Mitochondrial Activity by the Ubiquitin Code in Health and Cancer. <i>Cells</i> , 2023, 12, 234.	1.8	2
1107	Mitochondrial plasticity supports proliferative outgrowth and invasion of ovarian cancer spheroids during adhesion. <i>Frontiers in Oncology</i> , 0, 12, .	1.3	3
1108	Small molecule agonist of mitochondrial fusion repairs mitochondrial dysfunction. <i>Nature Chemical Biology</i> , 2023, 19, 468-477.	3.9	6
1109	Comprehensive Analysis of Mitochondrial Dynamics Alterations in Heart Diseases. <i>International Journal of Molecular Sciences</i> , 2023, 24, 3414.	1.8	7
1110	Impact of sub-acute acrolein inhalation on the molecular regulation of mitochondrial metabolism in rat lung. <i>Toxicology Letters</i> , 2023, 378, 19-30.	0.4	1
1111	Evaluation of viscosity in inflammation and ferroptosis process based on a bithiophene-containing hemicyanine dye with diminished solvatochromic effect. <i>Dyes and Pigments</i> , 2023, 214, 111203.	2.0	0
1112	Sirtuins and redox signaling interplay in neurogenesis, neurodegenerative diseases, and neural cell reprogramming. <i>Frontiers in Neuroscience</i> , 0, 17, .	1.4	3
1113	De Novo Designed Self-Assembling Rhodamine Probe for Real-Time, Long-Term and Quantitative Live-Cell Nanoscopy. <i>ACS Nano</i> , 2023, 17, 3632-3644.	7.3	4
1114	The injections of mitochondrial fusion promoter M1 during proestrus disrupt the progesterone secretion and the estrous cycle in the mouse. <i>Scientific Reports</i> , 2023, 13, .	1.6	2
1115	Comparison among Neuroblastoma Stages Suggests the Involvement of Mitochondria in Tumor Progression. <i>Biomedicines</i> , 2023, 11, 596.	1.4	3
1116	Mitochondrial cristae in health and disease. <i>International Journal of Biological Macromolecules</i> , 2023, 235, 123755.	3.6	6
1117	Role of SIRT3 in Microgravity Response: A New Player in Muscle Tissue Recovery. <i>Cells</i> , 2023, 12, 691.	1.8	2
1118	MFN1 augmentation prevents retinal degeneration in a Charcot-Marie-Tooth type 2A mouse model. <i>IScience</i> , 2023, 26, 106270.	1.9	4
1119	Cell Rearrangement and Oxidant/Antioxidant Imbalance in Huntingtonâ€™s Disease. <i>Antioxidants</i> , 2023, 12, 571.	2.2	7
1120	The impact of hyperglycemia upon BeWo trophoblast cell metabolic function: A multi-OMICS and functional metabolic analysis. <i>PLoS ONE</i> , 2023, 18, e0283118.	1.1	2
1121	CDDO-Me Abrogates Aberrant Mitochondrial Elongation in Clasmotodendritic Degeneration by Regulating NF-Î²B-PDI-Mediated S-Nitrosylation of DRP1. <i>International Journal of Molecular Sciences</i> , 2023, 24, 5875.	1.8	0

#	ARTICLE	IF	CITATIONS
1122	The Drp1-Mediated Mitochondrial Fission Protein Interactome as an Emerging Core Player in Mitochondrial Dynamics and Cardiovascular Disease Therapy. <i>International Journal of Molecular Sciences</i> , 2023, 24, 5785.	1.8	18
1123	Phytotherapeutic targeting of the mitochondria in neurodegenerative disorders. <i>Advances in Protein Chemistry and Structural Biology</i> , 2023, , 415-455.	1.0	0
1124	SIM2s directed Parkin-mediated mitophagy promotes mammary epithelial cell differentiation. <i>Cell Death and Differentiation</i> , 0, , .	5.0	0
1125	Membrane phospholipid remodeling modulates nonalcoholic steatohepatitis progression by regulating mitochondrial homeostasis. <i>Hepatology</i> , 0, Publish Ahead of Print, .	3.6	5
1127	ROS and DRP1 interactions accelerate the mitochondrial injury induced by polystyrene nanoplastics in human liver HepG2 cells. <i>Chemico-Biological Interactions</i> , 2023, 379, 110502.	1.7	11
1128	<i>Biology of Cancer</i> , 2023, , 86-186.		0
1137	Research Advances of Mitochondrial Dysfunction in Perioperative Neurocognitive Disorders. <i>Neurochemical Research</i> , 0, , .	1.6	0