

Mitochondrial dynamics and inheritance during cell div

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Citation Report

#	ARTICLE	IF	CITATIONS
1	Mitochondrial metabolism and the control of vascular smooth muscle cell proliferation. <i>Frontiers in Cell and Developmental Biology</i> , 2014, 2, 72.	1.8	106
2	Imperfect asymmetry: The mechanism governing asymmetric partitioning of damaged cellular components during mitosis. <i>Bioarchitecture</i> , 2014, 4, 203-209.	1.5	7
3	Phospholipid methylation controls Atg32-mediated mitophagy and Atg8 recycling. <i>EMBO Journal</i> , 2015, 34, 2703-2719.	3.5	39
4	High content analysis at single cell level identifies different cellular responses dependent on nanomaterial concentrations. <i>Scientific Reports</i> , 2015, 5, 13890.	1.6	27
5	Cyclometalated Iridium(III) Complexes as Two-Photon Phosphorescent Probes for Specific Mitochondrial Dynamics Tracking in Living Cells. <i>Chemistry - A European Journal</i> , 2015, 21, 12000-12010.	1.7	63
6	Oocyte mitochondrial function and reproduction. <i>Current Opinion in Obstetrics and Gynecology</i> , 2015, 27, 175-181.	0.9	228
7	Bioprotective Carnitinoïds: Lipoic Acid, Butyrate, and Mitochondria-Targeting to Treat Radiation Injury: Mitochondrial Drugs Come of Age. <i>Drug Development Research</i> , 2015, 76, 167-175.	1.4	13
8	Short-range inversions: Rethinking organelle genome stability. <i>BioEssays</i> , 2015, 37, 1086-1094.	1.2	14
9	Hypoxia signaling pathways: modulators of oxygen-related organelles. <i>Frontiers in Cell and Developmental Biology</i> , 2015, 3, 42.	1.8	156
10	Treatment Strategies that Enhance the Efficacy and Selectivity of Mitochondria-Targeted Anticancer Agents. <i>International Journal of Molecular Sciences</i> , 2015, 16, 17394-17421.	1.8	65
11	Genes and Pathways Involved in Adult Onset Disorders Featuring Muscle Mitochondrial DNA Instability. <i>International Journal of Molecular Sciences</i> , 2015, 16, 18054-18076.	1.8	25
12	Mitochondrial and Ubiquitin Proteasome System Dysfunction in Ageing and Disease: Two Sides of the Same Coin?. <i>International Journal of Molecular Sciences</i> , 2015, 16, 19458-19476.	1.8	90
13	Manipulating Autophagic Processes in Autoimmune Diseases: A Special Focus on Modulating Chaperone-Mediated Autophagy, an Emerging Therapeutic Target. <i>Frontiers in Immunology</i> , 2015, 6, 252.	2.2	49
14	Remodeling of Mitochondrial Flashes in Muscular Development and Dystrophy in Zebrafish. <i>PLoS ONE</i> , 2015, 10, e0132567.	1.1	35
15	Real-Time PCR Quantification of Heteroplasmy in a Mouse Model with Mitochondrial DNA of C57BL/6 and NZB/BINJ Strains. <i>PLoS ONE</i> , 2015, 10, e0133650.	1.1	23
16	Mitochondrial DNA Damage and Diseases. <i>F1000Research</i> , 2015, 4, 176.	0.8	33
17	Mitochondrial genome evolution in yeasts: an all-encompassing view. <i>FEMS Yeast Research</i> , 2015, 15, fov023.	1.1	90
18	The role of mitochondrial dysfunction in age-related diseases. <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 2015, 1847, 1387-1400.	0.5	162

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19	Activation of the Mitochondrial Fragmentation Protein DRP1 Correlates with BRAF V600E Melanoma. <i>Journal of Investigative Dermatology</i> , 2015, 135, 2544-2547.	0.3	48
20	Mitochondrial activity in gametes and transmission of viable mtDNA. <i>Biology Direct</i> , 2015, 10, 22.	1.9	40
21	Selfish Mitochondrial DNA Proliferates and Diversifies in Small, but not Large, Experimental Populations of <i>Caenorhabditis briggsae</i> . <i>Genome Biology and Evolution</i> , 2015, 7, 2023-2037.	1.1	30
22	Imbalanced OPA1 processing and mitochondrial fragmentation cause heart failure in mice. <i>Science</i> , 2015, 350, aad0116.	6.0	403
23	PINK1/Parkin-mediated mitophagy in mammalian cells. <i>Current Opinion in Cell Biology</i> , 2015, 33, 95-101.	2.6	434
24	Power2: The power of yeast genetics applied to the powerhouse of the cell. <i>Trends in Endocrinology and Metabolism</i> , 2015, 26, 59-68.	3.1	25
25	Parkin-mediated mitophagy in mutant hAPP neurons and Alzheimer's disease patient brains. <i>Human Molecular Genetics</i> , 2015, 24, 2938-2951.	1.4	214
26	The <i>Chlamydomonas</i> cell cycle. <i>Plant Journal</i> , 2015, 82, 370-392.	2.8	167
27	Mitochondria: A target for bacteria. <i>Biochemical Pharmacology</i> , 2015, 94, 173-185.	2.0	74
28	How Mitochondrial Dynamism Orchestrates Mitophagy. <i>Circulation Research</i> , 2015, 116, 1835-1849.	2.0	247
29	Emerging concepts in the therapy of mitochondrial disease. <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 2015, 1847, 544-557.	0.5	96
30	Genetic perspective on the role of the autophagy-lysosome pathway in Parkinson disease. <i>Autophagy</i> , 2015, 11, 1443-1457.	4.3	217
31	Yeast model analysis of novel polymerase gamma variants found in patients with autosomal recessive mitochondrial disease. <i>Human Genetics</i> , 2015, 134, 951-966.	1.8	17
32	Redox Homeostasis and Mitochondrial Dynamics. <i>Cell Metabolism</i> , 2015, 22, 207-218.	7.2	538
33	Selection against Heteroplasmy Explains the Evolution of Uniparental Inheritance of Mitochondria. <i>PLoS Genetics</i> , 2015, 11, e1005112.	1.5	39
34	Intercellular transfer of mitochondria. <i>Biochemistry (Moscow)</i> , 2015, 80, 542-548.	0.7	24
35	Analysis of ER-mitochondria contacts by correlative fluorescence microscopy and soft X-ray tomography of mammalian cells. <i>Journal of Cell Science</i> , 2015, 128, 2795-804.	1.2	79
36	Prohibitin 2: At a communications crossroads. <i>IUBMB Life</i> , 2015, 67, 239-254.	1.5	136

#	ARTICLE	IF	CITATIONS
37	MitoCeption as a new tool to assess the effects of mesenchymal stem/stromal cell mitochondria on cancer cell metabolism and function. <i>Scientific Reports</i> , 2015, 5, 9073.	1.6	208
38	Metabolic regulation of adult stem cell-derived neurons. <i>Frontiers in Biology</i> , 2015, 10, 107-116.	0.7	5
39	New roles for mitochondrial proteases in health, ageing and disease. <i>Nature Reviews Molecular Cell Biology</i> , 2015, 16, 345-359.	16.1	453
40	miR-483-5p determines mitochondrial fission and cisplatin sensitivity in tongue squamous cell carcinoma by targeting FIS1. <i>Cancer Letters</i> , 2015, 362, 183-191.	3.2	67
41	Mitochondrial Dynamics Is a Distinguishing Feature of Skeletal Muscle Fiber Types and Regulates Organellar Compartmentalization. <i>Cell Metabolism</i> , 2015, 22, 1033-1044.	7.2	190
42	Mitochondrial ROS Signaling in Organismal Homeostasis. <i>Cell</i> , 2015, 163, 560-569.	13.5	915
43	Transcriptional analysis of the <i>dachsous</i> gene uncovers novel isoforms expressed during development in <i>Drosophila</i> . <i>FEBS Letters</i> , 2015, 589, 3595-3603.	1.3	1
44	Molecular regulation of steroidogenesis in endocrine Leydig cells. <i>Steroids</i> , 2015, 103, 3-10.	0.8	137
45	Dynamic tubulation of mitochondria drives mitochondrial network formation. <i>Cell Research</i> , 2015, 25, 1108-1120.	5.7	101
46	Double-edged alliance: mitochondrial surveillance by the UPS and autophagy. <i>Current Opinion in Cell Biology</i> , 2015, 37, 18-27.	2.6	25
47	Atypical mitochondrial inheritance patterns in eukaryotes. <i>Genome</i> , 2015, 58, 423-431.	0.9	86
48	Titration of mitochondrial fusion rescues <i>Mff</i> -deficient cardiomyopathy. <i>Journal of Cell Biology</i> , 2015, 211, 795-805.	2.3	131
49	Pluripotent stem cell energy metabolism: an update. <i>EMBO Journal</i> , 2015, 34, 138-153.	3.5	187
50	Mitochondrial dynamics and mitochondrial quality control. <i>Redox Biology</i> , 2015, 4, 6-13.	3.9	648
51	Concise Reviews: Assisted Reproductive Technologies to Prevent Transmission of Mitochondrial DNA Disease. <i>Stem Cells</i> , 2015, 33, 639-645.	1.4	52
52	Glutathione and mitochondria determine acute defense responses and adaptive processes in cadmium-induced oxidative stress and toxicity of the kidney. <i>Archives of Toxicology</i> , 2015, 89, 2273-2289.	1.9	86
53	New Targets for Diagnosis and Treatment Against Alzheimer's Disease: The Mitochondrial Approach. , 2016, , .		2
54	Mitochondria in lung disease. <i>Journal of Clinical Investigation</i> , 2016, 126, 809-820.	3.9	198

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55	Orchestrating Lymphocyte Polarity in Cognate Immune Cell-Cell Interactions. <i>International Review of Cell and Molecular Biology</i> , 2016, 327, 195-261.	1.6	20
57	Choosing Lunch: The Role of Selective Autophagy Adaptor Proteins. , 0, , .		2
58	Mitochondria Know No Boundaries: Mechanisms and Functions of Intercellular Mitochondrial Transfer. <i>Frontiers in Cell and Developmental Biology</i> , 2016, 4, 107.	1.8	296
59	Sirt1 and the Mitochondria. <i>Molecules and Cells</i> , 2016, 39, 87-95.	1.0	479
60	Alterations in Mitochondrial Quality Control in Alzheimer's Disease. <i>Frontiers in Cellular Neuroscience</i> , 2016, 10, 24.	1.8	153
61	News about VDAC1 in Hypoxia. <i>Frontiers in Oncology</i> , 2016, 6, 193.	1.3	14
62	Crosstalk between Autophagy and Apoptosis: Potential and Emerging Therapeutic Targets for Cardiac Diseases. <i>International Journal of Molecular Sciences</i> , 2016, 17, 332.	1.8	121
63	Genetic Evidence for Elevated Pathogenicity of Mitochondrial DNA Heteroplasmy in Autism Spectrum Disorder. <i>PLoS Genetics</i> , 2016, 12, e1006391.	1.5	52
64	The Unfolded Protein Response Plays a Predominant Homeostatic Role in Response to Mitochondrial Stress in Pancreatic Stellate Cells. <i>PLoS ONE</i> , 2016, 11, e0148999.	1.1	27
65	Epigenetic Treatment of Neurodegenerative Disorders: Alzheimer and Parkinson Diseases. <i>Drug Development Research</i> , 2016, 77, 109-123.	1.4	49
66	Clueless is a conserved ribonucleoprotein that binds the ribosome at the mitochondrial outer membrane. <i>Biology Open</i> , 2016, 5, 195-203.	0.6	38
67	Mitochondria and Mitochondrial ROS in Cancer: Novel Targets for Anticancer Therapy. <i>Journal of Cellular Physiology</i> , 2016, 231, 2570-2581.	2.0	428
68	Mitochondrial Flashes: Elemental Signaling Events in Eukaryotic Cells. <i>Handbook of Experimental Pharmacology</i> , 2016, 240, 403-422.	0.9	10
69	Anabolism-Associated Mitochondrial Stasis Driving Lymphocyte Differentiation over Self-Renewal. <i>Cell Reports</i> , 2016, 17, 3142-3152.	2.9	90
70	Plasmids for variable expression of proteins targeted to the mitochondrial matrix or intermembrane space. <i>Cellular Logistics</i> , 2016, 6, e1247939.	0.9	11
71	Increased plasma levels of circulating cell-free mitochondrial DNA in suicide attempters: associations with HPA-axis hyperactivity. <i>Translational Psychiatry</i> , 2016, 6, e971-e971.	2.4	90
73	Paternal Mitochondrial Transmission in Intra-Species <i>Caenorhabditis briggsae</i> Hybrids: Table 1. <i>Molecular Biology and Evolution</i> , 2016, 33, 3158-3160.	3.5	15
74	Computational properties of mitochondria in T cell activation and fate. <i>Open Biology</i> , 2016, 6, 160192.	1.5	5

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75	A role for septin 2 in Drp1-mediated mitochondrial fission. <i>EMBO Reports</i> , 2016, 17, 858-873.	2.0	85
76	Mitochondrial E3 ubiquitin ligase 1: A key enzyme in regulation of mitochondrial dynamics and functions. <i>Mitochondrion</i> , 2016, 28, 49-53.	1.6	58
77	p53 as guardian of the mitochondrial genome. <i>FEBS Letters</i> , 2016, 590, 924-934.	1.3	103
78	Molecular and Cellular Mechanisms of Cardiovascular Disorders in Diabetes. <i>Circulation Research</i> , 2016, 118, 1808-1829.	2.0	425
79	Linking mitochondrial dynamics to mitochondrial protein quality control. <i>Current Opinion in Genetics and Development</i> , 2016, 38, 68-74.	1.5	36
80	OPA1 processing in cell death and disease – the long and short of it. <i>Journal of Cell Science</i> , 2016, 129, 2297-306.	1.2	306
81	Parkin suppresses Drp1-independent mitochondrial division. <i>Biochemical and Biophysical Research Communications</i> , 2016, 475, 283-288.	1.0	41
82	Cooperative and independent roles of Drp1 adaptors Mff and MiD49/51 in mitochondrial fission. <i>Journal of Cell Science</i> , 2016, 129, 2170-81.	1.2	234
83	Circadian Metabolism: From Mechanisms to Metabolomics and Medicine. <i>Trends in Endocrinology and Metabolism</i> , 2016, 27, 415-426.	3.1	95
84	Regulation of actin nucleation and autophagosome formation. <i>Cellular and Molecular Life Sciences</i> , 2016, 73, 3249-3263.	2.4	35
85	Mitochondrial Function, Biology, and Role in Disease. <i>Circulation Research</i> , 2016, 118, 1960-1991.	2.0	330
86	Phosphorylation-Induced Motor Shedding Is Required at Mitosis for Proper Distribution and Passive Inheritance of Mitochondria. <i>Cell Reports</i> , 2016, 16, 2142-2155.	2.9	45
87	Mitochondrial DNA disturbances and deregulated expression of oxidative phosphorylation and mitochondrial fusion proteins in sporadic inclusion body myositis. <i>Clinical Science</i> , 2016, 130, 1741-1751.	1.8	33
88	New Insights Into Roles of Ubiquitin Modification in Regulating Plastids and Other Endosymbiotic Organelles. <i>International Review of Cell and Molecular Biology</i> , 2016, 325, 1-33.	1.6	7
89	Mitochondria, cholesterol and cancer cell metabolism. <i>Clinical and Translational Medicine</i> , 2016, 5, 22.	1.7	127
90	Fis1 depletion in osteoarthritis impairs chondrocyte survival and peroxisomal and lysosomal function. <i>Journal of Molecular Medicine</i> , 2016, 94, 1373-1384.	1.7	26
91	Age decreases mitochondrial motility and increases mitochondrial size in vascular smooth muscle. <i>Journal of Physiology</i> , 2016, 594, 4283-4295.	1.3	31
92	Mitochondria and the non-genetic origins of cell-to-cell variability: More is different. <i>BioEssays</i> , 2016, 38, 64-76.	1.2	23

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93	Secreted growth differentiation factor 15 as a potential biomarker for mitochondrial dysfunctions in aging and age-related disorders. <i>Geriatrics and Gerontology International</i> , 2016, 16, 17-29.	0.7	145
94	Ovarian ageing: the role of mitochondria in oocytes and follicles. <i>Human Reproduction Update</i> , 2016, 22, 725-743.	5.2	353
95	Motor neuron mitochondrial dysfunction in spinal muscular atrophy. <i>Human Molecular Genetics</i> , 2016, 25, 3395-3406.	1.4	97
96	Recurrent De Novo and Biallelic Variation of ATAD3A, Encoding a Mitochondrial Membrane Protein, Results in Distinct Neurological Syndromes. <i>American Journal of Human Genetics</i> , 2016, 99, 831-845.	2.6	146
97	Weigh and wait: the prospect of mitochondrial gene replacement. <i>Human Fertility</i> , 2016, 19, 222-229.	0.7	3
98	Outer membrane protein functions as integrator of protein import and DNA inheritance in mitochondria. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016, 113, E4467-75.	3.3	36
99	Regulation of Mitoflash Biogenesis and Signaling by Mitochondrial Dynamics. <i>Scientific Reports</i> , 2016, 6, 32933.	1.6	12
100	Unique fractal evaluation and therapeutic implications of mitochondrial morphology in malignant mesothelioma. <i>Scientific Reports</i> , 2016, 6, 24578.	1.6	32
101	Novel super-resolution capable mitochondrial probe, MitoRed AIE, enables assessment of real-time molecular mitochondrial dynamics. <i>Scientific Reports</i> , 2016, 6, 30855.	1.6	23
102	Evidence for mitochondrial genetic control of autosomal gene expression. <i>Human Molecular Genetics</i> , 2016, 25, ddw347.	1.4	6
103	Cyclometalated Iridium(III) Complexes as AIE Phosphorescent Probes for Real-Time Monitoring of Mitophagy in Living Cells. <i>Scientific Reports</i> , 2016, 6, 22039.	1.6	46
104	Dynamic actin cycling through mitochondrial subpopulations locally regulates the fission-fusion balance within mitochondrial networks. <i>Nature Communications</i> , 2016, 7, 12886.	5.8	201
105	Transcriptional quiescence of paternal mtDNA in cyprinid fish embryos. <i>Scientific Reports</i> , 2016, 6, 28571.	1.6	7
106	Mitochondrial donation and "the right to know". <i>Journal of Medical Ethics</i> , 2016, 42, 678-684.	1.0	8
107	Defective PITRM1 mitochondrial peptidase is associated with A β 2 amyloidotic neurodegeneration. <i>EMBO Molecular Medicine</i> , 2016, 8, 176-190.	3.3	60
108	Effects of a Sublethal and Transient Stress of the Endoplasmic Reticulum on the Mitochondrial Population. <i>Journal of Cellular Physiology</i> , 2016, 231, 1913-1931.	2.0	10
109	Mitochondrial selfish elements and the evolution of biological novelties. <i>Environmental Epigenetics</i> , 2016, 62, 687-697.	0.9	34
110	Cross-Talk Between Mitochondrial Fusion and the Hippo Pathway in Controlling Cell Proliferation During <i>Drosophila</i> Development. <i>Genetics</i> , 2016, 203, 1777-1788.	1.2	28

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111	Num1 anchors mitochondria to the plasma membrane via two domains with different lipid binding specificities. <i>Journal of Cell Biology</i> , 2016, 213, 513-524.	2.3	68
112	<i>Drosophila</i> mitochondrial topoisomerase III alpha affects the aging process via maintenance of mitochondrial function and genome integrity. <i>Journal of Biomedical Science</i> , 2016, 23, 38.	2.6	22
113	Mitochondrial Genes and Neurodegenerative Disease. , 2016, , 81-106.		1
114	Mitochondrial Epigenetics and Environmental Exposure. <i>Current Environmental Health Reports</i> , 2016, 3, 214-224.	3.2	42
115	Unequal distribution of 16S mtrRNA at the 2-cell stage regulates cell lineage allocations in mouse embryos. <i>Reproduction</i> , 2016, 151, 351-367.	1.1	14
116	Analysis of mitochondrial structure and function in the <i>Drosophila</i> larval musculature. <i>Mitochondrion</i> , 2016, 26, 33-42.	1.6	19
117	AMP-activated protein kinase mediates mitochondrial fission in response to energy stress. <i>Science</i> , 2016, 351, 275-281.	6.0	816
118	Loss of OMA1 delays neurodegeneration by preventing stress-induced OPA1 processing in mitochondria. <i>Journal of Cell Biology</i> , 2016, 212, 157-166.	2.3	115
119	Mitochondrial E3 ubiquitin ligase MARCH5 controls mitochondrial fission and cell sensitivity to stress-induced apoptosis through regulation of MiD49 protein. <i>Molecular Biology of the Cell</i> , 2016, 27, 349-359.	0.9	117
120	Shaping the multi-scale architecture of mitochondria. <i>Current Opinion in Cell Biology</i> , 2016, 38, 45-51.	2.6	19
121	Metabolic regulation of mitochondrial dynamics. <i>Journal of Cell Biology</i> , 2016, 212, 379-387.	2.3	859
122	Early replication dynamics of sex-linked mitochondrial DNAs in the doubly uniparental inheritance species <i>Ruditapes philippinarum</i> (Bivalvia Veneridae). <i>Heredity</i> , 2016, 116, 324-332.	1.2	16
123	In Vitro Evaluation of Doxorubicin Conjugates Based on Sugar Core Nonlinear Polymethacrylates toward Anticancer Drug Delivery. <i>Bioconjugate Chemistry</i> , 2016, 27, 893-904.	1.8	20
124	<i>Drosophila</i> clueless is involved in Parkin-dependent mitophagy by promoting VCP-mediated Marf degradation. <i>Human Molecular Genetics</i> , 2016, 25, 1946-1964.	1.4	48
125	Mitochondrial Dynamics and Metabolic Regulation. <i>Trends in Endocrinology and Metabolism</i> , 2016, 27, 105-117.	3.1	922
126	Tissue-specific modulation of mitochondrial DNA segregation by a defect in mitochondrial division. <i>Human Molecular Genetics</i> , 2016, 25, 706-714.	1.4	11
127	Mitoguardin Regulates Mitochondrial Fusion through MitoPLD and Is Required for Neuronal Homeostasis. <i>Molecular Cell</i> , 2016, 61, 111-124.	4.5	104
128	Mitophagy programs: mechanisms and physiological implications of mitochondrial targeting by autophagy. <i>Cellular and Molecular Life Sciences</i> , 2016, 73, 775-795.	2.4	310

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129	Mitochondrial dynamics and quality control in Huntington's disease. <i>Neurobiology of Disease</i> , 2016, 90, 51-57.	2.1	90
130	Mitochondria. <i>Methods in Molecular Biology</i> , 2017, , .	0.4	2
131	New Imaging Tools to Analyze Mitochondrial Morphology in <i>Caenorhabditis elegans</i> . <i>Methods in Molecular Biology</i> , 2017, 1567, 255-272.	0.4	1
132	Isolation of Mitochondria-Associated Membranes (MAM) from Mouse Brain Tissue. <i>Methods in Molecular Biology</i> , 2017, 1567, 53-68.	0.4	15
133	Inhibition of Drp1 protects against senecionine-induced mitochondria-mediated apoptosis in primary hepatocytes and in mice. <i>Redox Biology</i> , 2017, 12, 264-273.	3.9	64
134	Mitophagy: Link to cancer development and therapy. <i>Biochemical and Biophysical Research Communications</i> , 2017, 482, 432-439.	1.0	98
135	Mitochondria play an important role in the cell proliferation suppressing activity of berberine. <i>Scientific Reports</i> , 2017, 7, 41712.	1.6	63
136	Regulation of the H ⁺ -ATP synthase by IF1: a role in mitohormesis. <i>Cellular and Molecular Life Sciences</i> , 2017, 74, 2151-2166.	2.4	50
137	Inhibition of Drp1 Ameliorates Synaptic Depression, A β ² Deposition, and Cognitive Impairment in an Alzheimer's Disease Model. <i>Journal of Neuroscience</i> , 2017, 37, 5099-5110.	1.7	176
138	Mitochondrial Aspects of Synaptic Dysfunction in Alzheimer's Disease. <i>Journal of Alzheimer's Disease</i> , 2017, 57, 1087-1103.	1.2	176
139	Sulforaphane is a Nrf2-independent inhibitor of mitochondrial fission. <i>Redox Biology</i> , 2017, 11, 103-110.	3.9	53
140	Incompatibility between mitochondrial and nuclear genomes during oogenesis results in ovarian failure and embryonic lethality. <i>Development (Cambridge)</i> , 2017, 144, 2490-2503.	1.2	38
142	Proteomic analysis of hair shafts from monozygotic twins: Expression profiles and genetically variant peptides. <i>Proteomics</i> , 2017, 17, 1600462.	1.3	21
143	Evolutionary and Functional Mitogenomics Associated With the Genetic Restoration of the Florida Panther. <i>Journal of Heredity</i> , 2017, 108, 449-455.	1.0	9
144	Sirt3 protects dopaminergic neurons from mitochondrial oxidative stress. <i>Human Molecular Genetics</i> , 2017, 26, 1915-1926.	1.4	76
145	Mitochondrial Dysfunction in Airway Disease. <i>Chest</i> , 2017, 152, 618-626.	0.4	168
146	Evolution and inheritance of animal mitochondrial DNA: rules and exceptions. <i>Journal of Biological Research</i> , 2017, 24, 2.	2.2	96
147	Improving oocyte quality by transfer of autologous mitochondria from fully grown oocytes. <i>Human Reproduction</i> , 2017, 32, 1-8.	0.4	33

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148	FKBP8 recruits LC3A to mediate Parkin-independent mitophagy. <i>EMBO Reports</i> , 2017, 18, 947-961.	2.0	295
149	<i>Giardia intestinalis</i> mitosomes undergo synchronized fission but not fusion and are constitutively associated with the endoplasmic reticulum. <i>BMC Biology</i> , 2017, 15, 27.	1.7	26
150	Investigation of Yeast Mitophagy with Fluorescence Microscopy and Western Blotting. <i>Methods in Molecular Biology</i> , 2017, 1759, 71-83.	0.4	5
151	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
152	Testis-specific ATP synthase peripheral stalk subunits required for tissue-specific mitochondrial morphogenesis in <i>Drosophila</i> . <i>BMC Cell Biology</i> , 2017, 18, 16.	3.0	32
153	Localization of dynamin-related protein 1 and its potential role in lamellipodia formation. <i>Histochemistry and Cell Biology</i> , 2017, 148, 13-20.	0.8	2
154	LKB1 promotes metabolic flexibility in response to energy stress. <i>Metabolic Engineering</i> , 2017, 43, 208-217.	3.6	42
155	Mitochondria and mitochondria-induced signalling molecules as longevity determinants. <i>Mechanisms of Ageing and Development</i> , 2017, 165, 115-128.	2.2	50
156	The hallmarks of mitochondrial dysfunction in chronic kidney disease. <i>Kidney International</i> , 2017, 92, 1051-1057.	2.6	306
157	Deep sequencing shows that oocytes are not prone to accumulate mtDNA heteroplasmic mutations during ovarian ageing. <i>Human Reproduction</i> , 2017, 32, 2101-2109.	0.4	32
158	Glycerol kinase-like proteins cooperate with Pld6 in regulating sperm mitochondrial sheath formation and male fertility. <i>Cell Discovery</i> , 2017, 3, 17030.	3.1	27
159	Peptide-mediated delivery of donor mitochondria improves mitochondrial function and cell viability in human cybrid cells with the MELAS A3243G mutation. <i>Scientific Reports</i> , 2017, 7, 10710.	1.6	49
160	The monoplastidic bottleneck in algae and plant evolution. <i>Journal of Cell Science</i> , 2018, 131, .	1.2	33
161	Maternal trans-general analysis of the human mitochondrial DNA pattern. <i>Biochemical and Biophysical Research Communications</i> , 2017, 493, 643-649.	1.0	11
162	Large Variation in the Ratio of Mitochondrial to Nuclear Mutation Rate across Animals: Implications for Genetic Diversity and the Use of Mitochondrial DNA as a Molecular Marker. <i>Molecular Biology and Evolution</i> , 2017, 34, 2762-2772.	3.5	240
163	Inhibition of mitochondrial fragmentation protects against Alzheimer's disease in rodent model. <i>Human Molecular Genetics</i> , 2017, 26, 4118-4131.	1.4	123
164	Inherited mitochondrial genomic instability and chemical exposures. <i>Toxicology</i> , 2017, 391, 75-83.	2.0	26
165	Quantifying larvae of the coralivorous seastar <i>Acanthaster cf. solaris</i> on the Great Barrier Reef using qPCR. <i>Marine Biology</i> , 2017, 164, 1.	0.7	25

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166	Mitochondrial fusion, fission, and mitochondrial toxicity. <i>Toxicology</i> , 2017, 391, 42-53.	2.0	350
167	The ARL2 GTPase regulates mitochondrial fusion from the intermembrane space. <i>Cellular Logistics</i> , 2017, 7, e1340104.	0.9	18
168	Assisted reproductive technologies to prevent human mitochondrial disease transmission. <i>Nature Biotechnology</i> , 2017, 35, 1059-1068.	9.4	87
169	AMPK activation serves a critical role in mitochondria quality control via modulating mitophagy in the heart under chronic hypoxia. <i>International Journal of Molecular Medicine</i> , 2018, 41, 69-76.	1.8	52
170	Selective sweeps of mitochondrial DNA can drive the evolution of uniparental inheritance. <i>Evolution; International Journal of Organic Evolution</i> , 2017, 71, 2090-2099.	1.1	17
171	Chrysophanol Suppressed Glutamate-Induced Hippocampal Neuronal Cell Death via Regulation of Dynamin-Related Protein 1-Dependent Mitochondrial Fission. <i>Pharmacology</i> , 2017, 100, 153-160.	0.9	23
172	Oncogenic Potential of CYP24A1 in Lung Adenocarcinoma. <i>Journal of Thoracic Oncology</i> , 2017, 12, 269-280.	0.5	23
173	Fueling the Cell Division Cycle. <i>Trends in Cell Biology</i> , 2017, 27, 69-81.	3.6	222
174	Ubiquitination of ERMES components by the E3 ligase Rsp5 is involved in mitophagy. <i>Autophagy</i> , 2017, 13, 114-132.	4.3	39
175	Previtellogenic and vitellogenic oocytes in ovarian follicles of cultured siberian sturgeon <i>Acipenser baerii</i> (Chondrostei, Acipenseriformes). <i>Journal of Morphology</i> , 2017, 278, 50-61.	0.6	10
176	Functional Effects of Cigarette Smoke-Induced Changes in Airway Smooth Muscle Mitochondrial Morphology. <i>Journal of Cellular Physiology</i> , 2017, 232, 1053-1068.	2.0	37
177	Nicotinamide supplementation phenocopies SIR2 inactivation by modulating carbon metabolism and respiration during yeast chronological aging. <i>Mechanisms of Ageing and Development</i> , 2017, 161, 277-287.	2.2	20
178	A Mitocentric View of Alzheimer's Disease. <i>Molecular Neurobiology</i> , 2017, 54, 6046-6060.	1.9	45
179	Unacylated ghrelin prevents mitochondrial dysfunction in a model of ischemia/reperfusion liver injury. <i>Cell Death Discovery</i> , 2017, 3, 17077.	2.0	23
180	Mitochondrial Metabolism-Mediated Regulation of Adult Neurogenesis. <i>Brain Plasticity</i> , 2017, 3, 73-87.	1.9	74
181	Metabolic Reprogramming in Glioma. <i>Frontiers in Cell and Developmental Biology</i> , 2017, 5, 43.	1.8	242
182	A Select Subset of Electron Transport Chain Genes Associated with Optic Atrophy Link Mitochondria to Axon Regeneration in <i>Caenorhabditis elegans</i> . <i>Frontiers in Neuroscience</i> , 2017, 11, 263.	1.4	15
183	Maternal L-Carnitine Supplementation Improves Brain Health in Offspring from Cigarette Smoke Exposed Mothers. <i>Frontiers in Molecular Neuroscience</i> , 2017, 10, 33.	1.4	23

#	ARTICLE	IF	CITATIONS
184	How AMPK and PKA Interplay to Regulate Mitochondrial Function and Survival in Models of Ischemia and Diabetes. <i>Oxidative Medicine and Cellular Longevity</i> , 2017, 2017, 1-12.	1.9	52
185	Aging: Molecular Pathways and Implications on the Cardiovascular System. <i>Oxidative Medicine and Cellular Longevity</i> , 2017, 2017, 1-19.	1.9	63
186	Artificial Mitochondria Transfer: Current Challenges, Advances, and Future Applications. <i>Stem Cells International</i> , 2017, 2017, 1-23.	1.2	95
187	Differential Alterations of the Mitochondrial Morphology and Respiratory Chain Complexes during Postnatal Development of the Mouse Lung. <i>Oxidative Medicine and Cellular Longevity</i> , 2017, 2017, 1-22.	1.9	14
188	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
189	Utrophin influences mitochondrial pathology and oxidative stress in dystrophic muscle. <i>Skeletal Muscle</i> , 2017, 7, 22.	1.9	14
190	CSFV induced mitochondrial fission and mitophagy to inhibit apoptosis. <i>Oncotarget</i> , 2017, 8, 39382-39400.	0.8	56
191	Circadian Control of DRP1 Activity Regulates Mitochondrial Dynamics and Bioenergetics. <i>Cell Metabolism</i> , 2018, 27, 657-666.e5.	7.2	186
192	Mitofusin 2: from functions to disease. <i>Cell Death and Disease</i> , 2018, 9, 330.	2.7	230
193	Resolvin D1 attenuates liver ischaemia/reperfusion injury through modulating thioredoxin 2-mediated mitochondrial quality control. <i>British Journal of Pharmacology</i> , 2018, 175, 2441-2453.	2.7	32
194	Mitochondrial Bioenergetics and Dynamics During Infection. <i>Experientia Supplementum</i> (2012), 2018, 109, 221-233.	0.5	3
195	Mitophagy: Vps13D Couples Mitochondrial Fission and Autophagic Clearance. <i>Current Biology</i> , 2018, 28, R66-R68.	1.8	15
196	Organelles: The Emerging Signalling Chart of Mitochondrial Dynamics. <i>Current Biology</i> , 2018, 28, R73-R75.	1.8	10
197	Full mitochondrial and nuclear genome comparison confirms that <i>Onchocerca</i> sp. is <i>Onchocerca ochengi</i> . <i>Parasitology Research</i> , 2018, 117, 1069-1077.	0.6	6
198	Rotaviral nonstructural protein 4 triggers dynamin-related protein 1-dependent mitochondrial fragmentation during infection. <i>Cellular Microbiology</i> , 2018, 20, e12831.	1.1	20
199	The role of mitochondria in the female germline: Implications to fertility and inheritance of mitochondrial diseases. <i>Cell Biology International</i> , 2018, 42, 711-724.	1.4	31
200	Building and decoding ubiquitin chains for mitophagy. <i>Nature Reviews Molecular Cell Biology</i> , 2018, 19, 93-108.	16.1	458
201	A novel mechanism causing imbalance of mitochondrial fusion and fission in human myopathies. <i>Human Molecular Genetics</i> , 2018, 27, 1186-1195.	1.4	52

#	ARTICLE	IF	CITATIONS
202	Newly Generated CD4+ T Cells Acquire Metabolic Quiescence after Thymic Egress. <i>Journal of Immunology</i> , 2018, 200, 1064-1077.	0.4	23
203	Miro proteins coordinate microtubule- and actin-dependent mitochondrial transport and distribution. <i>EMBO Journal</i> , 2018, 37, 321-336.	3.5	222
204	A Role for the Respiratory Chain in Regulating Meiosis Initiation in <i>Saccharomyces cerevisiae</i> . <i>Genetics</i> , 2018, 208, 1181-1194.	1.2	19
205	Highlighting the endoplasmic reticulum-mitochondria connection: Focus on Mitofusin 2. <i>Pharmacological Research</i> , 2018, 128, 42-51.	3.1	63
206	MIRO-1 Determines Mitochondrial Shape Transition upon GPCR Activation and Ca ²⁺ Stress. <i>Cell Reports</i> , 2018, 23, 1005-1019.	2.9	80
207	Mitochondria in Health and Disease. , 0, , 1-9.		0
208	Long term rapamycin treatment improves mitochondrial DNA quality in aging mice. <i>Experimental Gerontology</i> , 2018, 106, 125-131.	1.2	22
209	Telomere Dysfunction Disturbs Macrophage Mitochondrial Metabolism and the NLRP3 Inflammasome through the PGC-1 β /TNFAIP3 Axis. <i>Cell Reports</i> , 2018, 22, 3493-3506.	2.9	55
210	Mitochondrial fragmentation affects neither the sensitivity to TNF α -induced apoptosis of <i>Brucella</i> -infected cells nor the intracellular replication of the bacteria. <i>Scientific Reports</i> , 2018, 8, 5173.	1.6	17
211	A ketogenic amino acid rich diet benefits mitochondrial homeostasis by altering the AKT/4EBP1 and autophagy signaling pathways in the gastrocnemius and soleus. <i>Biochimica Et Biophysica Acta - General Subjects</i> , 2018, 1862, 1547-1555.	1.1	17
212	Effect of acupuncture on hippocampal mitochondrial proteome expression in SAMP8 mouse model with Alzheimer disease. <i>Journal of Acupuncture and Tuina Science</i> , 2018, 16, 67-79.	0.1	2
213	Association of low race performance with mtDNA haplogroup L3b of Australian thoroughbred horses. <i>Mitochondrial DNA Part A: DNA Mapping, Sequencing, and Analysis</i> , 2018, 29, 323-330.	0.7	6
214	Structure, function, and regulation of mitofusin β in health and disease. <i>Biological Reviews</i> , 2018, 93, 933-949.	4.7	154
215	Oxidative stress and mitochondrial dynamics malfunction are linked in <i>elizaesus</i> <i>M</i> <i>erzbacher</i> disease. <i>Brain Pathology</i> , 2018, 28, 611-630.	2.1	15
216	Mitochondrial dynamics tracking with iridium(III) complexes. <i>Current Opinion in Chemical Biology</i> , 2018, 43, 51-57.	2.8	47
217	The <i>mito::mKate2</i> mouse: A far-red fluorescent reporter mouse line for tracking mitochondrial dynamics <i>in vivo</i> . <i>Genesis</i> , 2018, 56, e23087.	0.8	17
218	Regulation of mitochondrial dynamics in astrocytes: Mechanisms, consequences, and unknowns. <i>Glia</i> , 2018, 66, 1213-1234.	2.5	103
219	Mitochondrial gene expression changes in cultured human skin cells following simulated sunlight irradiation. <i>Journal of Photochemistry and Photobiology B: Biology</i> , 2018, 179, 167-174.	1.7	5

#	ARTICLE	IF	CITATIONS
220	The single mitochondrion of the kinetoplastid parasite <i>Crithidia fasciculata</i> is a dynamic network. <i>PLoS ONE</i> , 2018, 13, e0202711.	1.1	9
221	Mitochondrial quality control and neurodegenerative diseases. <i>Neuronal Signaling</i> , 2018, 2, NS20180062.	1.7	14
222	Mitochondrial disorders. <i>Annals of Translational Medicine</i> , 2018, 6, 475-475.	0.7	47
223	Mitochondria, Oxidative Stress and Innate Immunity. <i>Frontiers in Physiology</i> , 2018, 9, 1487.	1.3	225
224	Mitophagy, a potential therapeutic target for stroke. <i>Journal of Biomedical Science</i> , 2018, 25, 87.	2.6	100
225	Salvianolic acid B renders glioma cells more sensitive to radiation via Fis-1-mediated mitochondrial dysfunction. <i>Biomedicine and Pharmacotherapy</i> , 2018, 107, 1230-1236.	2.5	12
227	The Interplay among PINK1/PARKIN/DJ-1 Network during Mitochondrial Quality Control in Cancer Biology: Protein Interaction Analysis. <i>Cells</i> , 2018, 7, 154.	1.8	37
228	Separating and Segregating the Human Mitochondrial Genome. <i>Trends in Biochemical Sciences</i> , 2018, 43, 869-881.	3.7	37
229	Mitochondrial maintenance under oxidative stress depends on mitochondrial but not nuclear $\hat{I}\pm$ isoform of OGG1. <i>Journal of Cell Science</i> , 2018, 131, .	1.2	21
230	Persistence and Transcription of Paternal mtDNA Dependent on the Delivery Strategy Rather than Mitochondria Source in Fish Embryos. <i>Cellular Physiology and Biochemistry</i> , 2018, 47, 1898-1908.	1.1	8
231	Aggregation-induced emission luminogen-assisted stimulated emission depletion nanoscopy for super-resolution mitochondrial visualization in live cells. <i>Nano Research</i> , 2018, 11, 6023-6033.	5.8	33
232	Mitochondria and Reactive Oxygen Species in Aging and Age-Related Diseases. <i>International Review of Cell and Molecular Biology</i> , 2018, 340, 209-344.	1.6	208
233	Mitochondrial damage and apoptosis: Key features in BDE-153-induced hepatotoxicity. <i>Chemico-Biological Interactions</i> , 2018, 291, 192-201.	1.7	13
234	Molecular regulation of MCU: Implications in physiology and disease. <i>Cell Calcium</i> , 2018, 74, 86-93.	1.1	91
235	Aberrant Drp1-mediated mitochondrial division presents in humans with variable outcomes. <i>Human Molecular Genetics</i> , 2018, 27, 3710-3719.	1.4	34
236	miR449a/SIRT1/PGC-1 $\hat{I}\pm$ Is Necessary for Mitochondrial Biogenesis Induced by T-2 Toxin. <i>Frontiers in Pharmacology</i> , 2017, 8, 954.	1.6	23
237	Possible Roles of Mitochondrial Dynamics and the Effects of Pharmacological Interventions in Chemoresistant Ovarian Cancer. <i>EBioMedicine</i> , 2018, 34, 256-266.	2.7	41
238	Germline and somatic mtDNA mutations in mouse aging. <i>PLoS ONE</i> , 2018, 13, e0201304.	1.1	24

#	ARTICLE	IF	CITATIONS
239	Mitochondrial Quality Control in Neurodegenerative Diseases: Focus on Parkinson's Disease and Huntington's Disease. <i>Frontiers in Neuroscience</i> , 2018, 12, 342.	1.4	152
240	Mitochondrial RNA Turnover in Metazoa. <i>Nucleic Acids and Molecular Biology</i> , 2018, , 17-46.	0.2	1
241	Mechanism and Regulation of Selective Mitophagy in Cardiometabolic Disease. , 2018, , 43-52.		2
242	Mitochondrial Stasis Reveals p62-Mediated Ubiquitination in Parkin-Independent Mitophagy and Mitigates Nonalcoholic Fatty Liver Disease. <i>Cell Metabolism</i> , 2018, 28, 588-604.e5.	7.2	180
243	Mfn2 ablation causes an oxidative stress response and eventual neuronal death in the hippocampus and cortex. <i>Molecular Neurodegeneration</i> , 2018, 13, 5.	4.4	77
245	DNM1L, a key prognostic predictor for gastric adenocarcinoma, is involved in cell proliferation, invasion, and apoptosis. <i>Oncology Letters</i> , 2018, 16, 3635-3641.	0.8	8
246	Cell free mitochondrial DNA in serum and milk associated with bovine mastitis: a pilot study. <i>Veterinary Research Communications</i> , 2018, 42, 275-282.	0.6	3
247	Mandatory sex selection and mitochondrial transfer. <i>Bioethics</i> , 2018, 32, 437-444.	0.7	2
248	Direct Visualization of Single-Nucleotide Variation in mtDNA Using a CRISPR/Cas9-Mediated Proximity Ligation Assay. <i>Journal of the American Chemical Society</i> , 2018, 140, 11293-11301.	6.6	106
249	Identification of Miro as a mitochondrial receptor for myosin XIX. <i>Journal of Cell Science</i> , 2018, 131, .	1.2	68
250	Sam50 Regulates PINK1-Parkin-Mediated Mitophagy by Controlling PINK1 Stability and Mitochondrial Morphology. <i>Cell Reports</i> , 2018, 23, 2989-3005.	2.9	86
251	Mitochondrial ataxias. <i>Handbook of Clinical Neurology / Edited By P J Vinken and G W Bruyn</i> , 2018, 155, 129-141.	1.0	11
252	Mitostemness. <i>Cell Cycle</i> , 2018, 17, 918-926.	1.3	15
253	Chloroquine and amodiaquine enhance AMPK phosphorylation and improve mitochondrial fragmentation in diabetic tubulopathy. <i>Scientific Reports</i> , 2018, 8, 8774.	1.6	27
254	Structural basis of mitochondrial receptor binding and constriction by DRP1. <i>Nature</i> , 2018, 558, 401-405.	13.7	219
255	Mitochondrial protein import regulates cytosolic protein homeostasis and neuronal integrity. <i>Autophagy</i> , 2018, 14, 1293-1309.	4.3	50
256	Two Cdc48 cofactors Ubp3 and Ubx2 regulate mitochondrial morphology and protein turnover. <i>Journal of Biochemistry</i> , 2018, 164, 349-358.	0.9	12
257	Alzheimer's disease and type 2 diabetes mellitus are distinct diseases with potential overlapping metabolic dysfunction upstream of observed cognitive decline. <i>Brain Pathology</i> , 2019, 29, 3-17.	2.1	110

#	ARTICLE	IF	CITATIONS
258	Open and cut: allosteric motion and membrane fission by dynamin superfamily proteins. <i>Molecular Biology of the Cell</i> , 2019, 30, 2097-2104.	0.9	11
259	Empagliflozin attenuates diabetic tubulopathy by improving mitochondrial fragmentation and autophagy. <i>American Journal of Physiology - Renal Physiology</i> , 2019, 317, F767-F780.	1.3	117
261	Mitochondrial dysfunction in human primary alveolar type II cells in emphysema. <i>EBioMedicine</i> , 2019, 46, 305-316.	2.7	46
262	Complex Transmission Patterns and Age-Related Dynamics of a Selfish mtDNA Deletion. <i>Integrative and Comparative Biology</i> , 2019, 59, 983-993.	0.9	4
263	Small Cell Lung Cancer Therapeutic Responses Through Fractal Measurements: From Radiology to Mitochondrial Biology. <i>Journal of Clinical Medicine</i> , 2019, 8, 1038.	1.0	8
264	Single-cell lineage tracing by endogenous mutations enriched in transposase accessible mitochondrial DNA. <i>ELife</i> , 2019, 8, .	2.8	93
265	Mitofusin 2 plays a role in oocyte and follicle development, and is required to maintain ovarian follicular reserve during reproductive aging. <i>Aging</i> , 2019, 11, 3919-3938.	1.4	57
266	Red Ginseng Attenuates A β ² -Induced Mitochondrial Dysfunction and A β ² -mediated Pathology in an Animal Model of Alzheimer's Disease. <i>International Journal of Molecular Sciences</i> , 2019, 20, 3030.	1.8	42
267	Currency, Exchange, and Inheritance in the Evolution of Symbiosis. <i>Trends in Microbiology</i> , 2019, 27, 836-849.	3.5	29
268	Alcohol impairs hippocampal function: From NMDA receptor synaptic transmission to mitochondrial function. <i>Drug and Alcohol Dependence</i> , 2019, 205, 107628.	1.6	28
269	Fragmentation for selection: how the deleterious mtDNA is removed in the female germline. <i>Science Bulletin</i> , 2019, 64, 1646-1648.	4.3	0
270	Glucose starvation induces mitochondrial fragmentation depending on the dynamin GTPase Dnm1/Drp1 in fission yeast. <i>Journal of Biological Chemistry</i> , 2019, 294, 17725-17734.	1.6	23
271	Unusual Patterns of Mitochondrial Inheritance in the Brown Alga <i>Ectocarpus</i> . <i>Molecular Biology and Evolution</i> , 2019, 36, 2778-2789.	3.5	5
272	Dynamics of Dynamin-Related Protein 1 in Alzheimer's Disease and Other Neurodegenerative Diseases. <i>Cells</i> , 2019, 8, 961.	1.8	104
273	Inhibiting neddylation modification alters mitochondrial morphology and reprograms energy metabolism in cancer cells. <i>JCI Insight</i> , 2019, 4, .	2.3	49
274	Moringin Pretreatment Inhibits the Expression of Genes Involved in Mitophagy in the Stem Cell of the Human Periodontal Ligament. <i>Molecules</i> , 2019, 24, 3217.	1.7	20
275	The Good and the Bad of Mitochondrial Breakups. <i>Trends in Cell Biology</i> , 2019, 29, 888-900.	3.6	122
276	Coordination of the Cell Cycle in Trypanosomes. <i>Annual Review of Microbiology</i> , 2019, 73, 133-154.	2.9	51

#	ARTICLE	IF	CITATIONS
277	Large-scale RNAi screen identified Dhpr as a regulator of mitochondrial morphology and tissue homeostasis. <i>Science Advances</i> , 2019, 5, eaax0365.	4.7	19
278	Phosphorylation of mitochondrial matrix proteins regulates their selective mitophagic degradation. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019, 116, 20517-20527.	3.3	26
279	Mitochondria and reproduction: possibilities for testing and treatment. <i>Panminerva Medica</i> , 2019, 61, 82-96.	0.2	9
280	Targeted OMA1 therapies for cancer. <i>International Journal of Cancer</i> , 2019, 145, 2330-2341.	2.3	26
281	Roles of mitochondrial fission inhibition in developmental fluoride neurotoxicity: mechanisms of action in vitro and associations with cognition in rats and children. <i>Archives of Toxicology</i> , 2019, 93, 709-726.	1.9	39
282	Natural Heteroplasmy and Mitochondrial Inheritance in Bivalve Molluscs. <i>Integrative and Comparative Biology</i> , 2019, 59, 1016-1032.	0.9	31
283	Mitochondrial dynamics and transport in Alzheimer's disease. <i>Molecular and Cellular Neurosciences</i> , 2019, 98, 109-120.	1.0	123
284	Protective effects of Î ² -nicotinamide adenine dinucleotide against motor deficits and dopaminergic neuronal damage in a mouse model of Parkinson's disease. <i>Progress in Neuro-Psychopharmacology and Biological Psychiatry</i> , 2019, 94, 109670.	2.5	10
285	Mitochondrial dynamics and their potential as a therapeutic target. <i>Mitochondrion</i> , 2019, 49, 269-283.	1.6	117
286	A symbiont's guide to the germline. <i>Current Topics in Developmental Biology</i> , 2019, 135, 315-351.	1.0	23
287	CerS6-Derived Sphingolipids Interact with Mff and Promote Mitochondrial Fragmentation in Obesity. <i>Cell</i> , 2019, 177, 1536-1552.e23.	13.5	183
288	Rsp5 and Mdm30 reshape the mitochondrial network in response to age-induced vacuole stress. <i>Molecular Biology of the Cell</i> , 2019, 30, 2141-2154.	0.9	15
289	Heterogeneity of primordial germ cells. <i>Current Topics in Developmental Biology</i> , 2019, 135, 155-201.	1.0	13
290	The structure of human EXD2 reveals a chimeric 3â€² to 5â€² exonuclease domain that discriminates substrates via metal coordination. <i>Nucleic Acids Research</i> , 2019, 47, 7078-7093.	6.5	29
291	Selfish Mitonuclear Conflict. <i>Current Biology</i> , 2019, 29, R496-R511.	1.8	66
292	Mitochondrial ROS and NLRP3 inflammasome in acute ozone-induced murine model of airway inflammation and bronchial hyperresponsiveness. <i>Free Radical Research</i> , 2019, 53, 780-790.	1.5	55
293	Cholesterol enrichment in liver mitochondria impairs oxidative phosphorylation and disrupts the assembly of respiratory supercomplexes. <i>Redox Biology</i> , 2019, 24, 101214.	3.9	80
294	Inhibitory effect of mabuterol on proliferation of rat ASMCs induced by PDGF-BB via regulating [Ca ²⁺] _i and mitochondrial fission/fusion. <i>Chemico-Biological Interactions</i> , 2019, 307, 63-72.	1.7	3

#	ARTICLE	IF	CITATIONS
295	Experimental Therapies. , 2019, , 357-370.		0
296	Somatic cell nuclear transfer: failures, successes and the challenges ahead. International Journal of Developmental Biology, 2019, 63, 123-130.	0.3	53
297	Mitochondrial DNA: Distribution, Mutations, and Elimination. Cells, 2019, 8, 379.	1.8	141
298	PKM2 coordinates glycolysis with mitochondrial fusion and oxidative phosphorylation. Protein and Cell, 2019, 10, 583-594.	4.8	109
299	Multifaceted roles of ATM in autophagy: From nonselective autophagy to selective autophagy. Cell Biochemistry and Function, 2019, 37, 177-184.	1.4	33
300	Mitochondrial Deformation During the Cardiac Mechanical Cycle. Anatomical Record, 2019, 302, 146-152.	0.8	21
301	Endo-lysosomal pathway and ubiquitin-proteasome system dysfunction in Alzheimer's disease pathogenesis. Neuroscience Letters, 2019, 703, 68-78.	1.0	56
302	Motile ciliogenesis and the mitotic prism. Biology of the Cell, 2019, 111, 199-212.	0.7	16
303	Phenothiazine normalizes the NADH/NAD ⁺ ratio, maintains mitochondrial integrity and protects the nigrostriatal dopamine system in a chronic rotenone model of Parkinson's disease. Redox Biology, 2019, 24, 101164.	3.9	31
304	Interaction between Intracellular Bacterial Pathogens and Host Cell Mitochondria. Microbiology Spectrum, 2019, 7, .	1.2	32
305	Mitophagy regulates mitochondrial network signaling, oxidative stress, and apoptosis during myoblast differentiation. Autophagy, 2019, 15, 1606-1619.	4.3	143
306	Ultrastructure and dynamics of the actin ⁺ myosin II cytoskeleton during mitochondrial fission. Nature Cell Biology, 2019, 21, 603-613.	4.6	94
307	Delayed elimination of paternal mtDNA in the interspecific hybrid of Pelteobagrus fulvidraco and Pelteobagrus vachelli during early embryogenesis. Gene, 2019, 704, 1-7.	1.0	8
308	Indomethacin impairs mitochondrial dynamics by activating the PKC β -p38 β -DRP1 pathway and inducing apoptosis in gastric cancer and normal mucosal cells. Journal of Biological Chemistry, 2019, 294, 8238-8258.	1.6	61
309	Twin CHCH Proteins, CHCHD2, and CHCHD10: Key Molecules of Parkinson's Disease, Amyotrophic Lateral Sclerosis, and Frontotemporal Dementia. International Journal of Molecular Sciences, 2019, 20, 908.	1.8	39
310	Dynamin-like protein 1 cleavage by calpain in Alzheimer's disease. Aging Cell, 2019, 18, e12912.	3.0	19
311	Mitochondria in the maintenance of hematopoietic stem cells: new perspectives and opportunities. Blood, 2019, 133, 1943-1952.	0.6	95
312	The vicious circle between mitochondrial oxidative stress and dynamic abnormality mediates triethylene glycol dimethacrylate-induced preodontoblast apoptosis. Free Radical Biology and Medicine, 2019, 134, 644-656.	1.3	13

#	ARTICLE	IF	CITATIONS
313	Decoupling the Roles of Cell Shape and Mechanical Stress in Orienting and Cueing Epithelial Mitosis. <i>Cell Reports</i> , 2019, 26, 2088-2100.e4.	2.9	61
314	High-glucose diets induce mitochondrial dysfunction in <i>Caenorhabditis elegans</i> . <i>PLoS ONE</i> , 2019, 14, e0226652.	1.1	29
315	Cyanidioschyzon merolae aurora kinase phosphorylates evolutionarily conserved sites on its target to regulate mitochondrial division. <i>Communications Biology</i> , 2019, 2, 477.	2.0	3
316	Mitochondrial dynamics in parasitic protists. <i>PLoS Pathogens</i> , 2019, 15, e1008008.	2.1	23
317	Loss of Mitochondrial DNA by Gemcitabine Triggers Mitophagy and Cell Death. <i>Biological and Pharmaceutical Bulletin</i> , 2019, 42, 1977-1987.	0.6	9
318	Overexpression of transcription factor EB regulates mitochondrial autophagy to protect lipopolysaccharide-induced acute lung injury. <i>Chinese Medical Journal</i> , 2019, 132, 1298-1304.	0.9	11
319	Targeting mitochondria for cardiovascular disorders: therapeutic potential and obstacles. <i>Nature Reviews Cardiology</i> , 2019, 16, 33-55.	6.1	188
320	Mitochondrial dynamics, a key executioner in neurodegenerative diseases. <i>Mitochondrion</i> , 2019, 47, 151-173.	1.6	85
321	Association of mitochondria with microtubules inhibits mitochondrial fission by precluding assembly of the fission protein Dnm1. <i>Journal of Biological Chemistry</i> , 2019, 294, 3385-3396.	1.6	43
322	High-intensity exercise training ameliorates aberrant expression of markers of mitochondrial turnover but not oxidative damage in skeletal muscle of men with essential hypertension. <i>Acta Physiologica</i> , 2019, 225, e13208.	1.8	20
323	Loss of the mitochondrial AAA protease YME1L leads to ocular dysfunction and spinal axonopathy. <i>EMBO Molecular Medicine</i> , 2019, 11, .	3.3	38
324	Developmental regulation of an organelle tether coordinates mitochondrial remodeling in meiosis. <i>Journal of Cell Biology</i> , 2019, 218, 559-579.	2.3	57
325	Evolving and Expanding the Roles of Mitophagy as a Homeostatic and Pathogenic Process. <i>Physiological Reviews</i> , 2019, 99, 853-892.	13.1	145
326	Dynamin-related protein 1: A critical protein in the pathogenesis of neural system dysfunctions and neurodegenerative diseases. <i>Journal of Cellular Physiology</i> , 2019, 234, 10032-10046.	2.0	47
327	Mitochondrial Iron in Human Health and Disease. <i>Annual Review of Physiology</i> , 2019, 81, 453-482.	5.6	106
328	Cancer-specific SNPs originate from low-level heteroplasmic variants in human mitochondrial genomes of a matched cell line pair. <i>Mitochondrial DNA Part A: DNA Mapping, Sequencing, and Analysis</i> , 2019, 30, 82-91.	0.7	8
329	Reinforcing mitochondrial functions in aging brain: An insight into Parkinson's disease therapeutics. <i>Journal of Chemical Neuroanatomy</i> , 2019, 95, 29-42.	1.0	25
330	Expression of a T39N mutant Rab32 protein arrests mitochondria movement within neurites of differentiated SH-SY5Y cells. <i>Small GTPases</i> , 2020, 11, 289-292.	0.7	6

#	ARTICLE	IF	CITATIONS
331	Identification of the perpetrator among identical twins using next-generation sequencing technology: A case report. <i>Forensic Science International: Genetics</i> , 2020, 44, 102167.	1.6	10
332	Mitochondria and Their Role in Human Reproduction. <i>DNA and Cell Biology</i> , 2020, 39, 1370-1378.	0.9	14
333	Beta-Amyloid Increases the Expression Levels of Tid1 Responsible for Neuronal Cell Death and Amyloid Beta Production. <i>Molecular Neurobiology</i> , 2020, 57, 1099-1114.	1.9	12
334	Mitochondria as a therapeutic target for ischemic stroke. <i>Free Radical Biology and Medicine</i> , 2020, 146, 45-58.	1.3	144
335	Mitochondria: at the crossroads of regulating lung epithelial cell function in chronic obstructive pulmonary disease. <i>American Journal of Physiology - Lung Cellular and Molecular Physiology</i> , 2020, 318, L149-L164.	1.3	68
336	Mitophagy and Mitochondrial Dysfunction in Cancer. <i>Annual Review of Cancer Biology</i> , 2020, 4, 41-60.	2.3	45
337	Dopamine D1 receptor agonism induces dynamin related protein-1 inhibition to improve mitochondrial biogenesis and dopaminergic neurogenesis in rat model of Parkinson's disease. <i>Behavioural Brain Research</i> , 2020, 378, 112304.	1.2	22
338	Mitophagy in Alzheimer's Disease and Other Age-Related Neurodegenerative Diseases. <i>Cells</i> , 2020, 9, 150.	1.8	151
339	Mitochondrial quality control in pulmonary fibrosis. <i>Redox Biology</i> , 2020, 33, 101426.	3.9	66
340	Chchd2 regulates mitochondrial morphology by modulating the levels of Opa1. <i>Cell Death and Differentiation</i> , 2020, 27, 2014-2029.	5.0	33
341	Omics Integration for Mitochondria Systems Biology. <i>Antioxidants and Redox Signaling</i> , 2020, 32, 853-872.	2.5	19
342	Imaging mitochondria and plasma membrane in live cells using solvatochromic styrylpyridines. <i>Journal of Photochemistry and Photobiology B: Biology</i> , 2020, 203, 111732.	1.7	11
343	Distinct Kinetics in Electrophoretic Extraction of Cytoplasmic RNA from Single Cells. <i>Analytical Chemistry</i> , 2020, 92, 1485-1492.	3.2	7
344	Dynamin-related protein 1: A protein critical for mitochondrial fission, mitophagy, and neuronal death in Parkinson's disease. <i>Pharmacological Research</i> , 2020, 151, 104553.	3.1	72
345	Expression analysis of mammalian mitochondrial ribosomal protein genes. <i>Gene Expression Patterns</i> , 2020, 38, 119147.	0.3	35
346	Shaping Up Mitochondria in Diabetic Nephropathy. <i>Kidney360</i> , 2020, 1, 982-992.	0.9	20
347	Deubiquitinase OTUD6A promotes proliferation of cancer cells via regulating Drp1 stability and mitochondrial fission. <i>Molecular Oncology</i> , 2020, 14, 3169-3183.	2.1	22
348	Therapeutic potential of targeting mitochondrial dynamics in cancer. <i>Biochemical Pharmacology</i> , 2020, 182, 114282.	2.0	78

#	ARTICLE	IF	CITATIONS
349	The complicated role of mitochondria in the podocyte. <i>American Journal of Physiology - Renal Physiology</i> , 2020, 319, F955-F965.	1.3	24
350	Mitochondrial dysfunction in lung ageing and disease. <i>European Respiratory Review</i> , 2020, 29, 200165.	3.0	56
351	Identification of DRP1 as a prognostic factor correlated with immune infiltration in breast cancer. <i>International Immunopharmacology</i> , 2020, 89, 107078.	1.7	25
352	A novel oral glucagon-like peptide 1 receptor agonist protects against diabetic cardiomyopathy via alleviating cardiac lipotoxicity induced mitochondria dysfunction. <i>Biochemical Pharmacology</i> , 2020, 182, 114209.	2.0	21
353	A noteworthy interface-targeting fluorescent probe for long-term tracking mitochondria and visualizing mitophagy. <i>Biosensors and Bioelectronics</i> , 2020, 168, 112526.	5.3	14
354	MFSD7C switches mitochondrial ATP synthesis to thermogenesis in response to heme. <i>Nature Communications</i> , 2020, 11, 4837.	5.8	21
355	Cellular Mechanisms of NETosis. <i>Annual Review of Cell and Developmental Biology</i> , 2020, 36, 191-218.	4.0	216
356	Ageing shifts mitochondrial dynamics toward fission to promote germline stem cell loss. <i>Aging Cell</i> , 2020, 19, e13191.	3.0	39
357	Role of humanin, a mitochondrial-derived peptide, in cardiovascular disorders. <i>Archives of Cardiovascular Diseases</i> , 2020, 113, 564-571.	0.7	15
358	“The Loss of Golden Touch”: Mitochondria-Organelle Interactions, Metabolism, and Cancer. <i>Cells</i> , 2020, 9, 2519.	1.8	14
359	Caenorhabditis elegans homologue of Fam210 is required for oogenesis and reproduction. <i>Journal of Genetics and Genomics</i> , 2020, 47, 694-704.	1.7	8
360	Inter and Intracellular mitochondrial trafficking in health and disease. <i>Ageing Research Reviews</i> , 2020, 62, 101128.	5.0	71
361	pH effect on strain-specific transcriptomes of the take-all fungus. <i>PLoS ONE</i> , 2020, 15, e0236429.	1.1	2
362	Hypoxia-induced NAD ⁺ interventions promote tumor survival and metastasis by regulating mitochondrial dynamics. <i>Life Sciences</i> , 2020, 259, 118171.	2.0	8
363	Prohibitin 2 is Involved in Parkin-Mediated Mitophagy in Urothelial Cells of Cattle Infected with Bovine Papillomavirus. <i>Pathogens</i> , 2020, 9, 621.	1.2	8
364	Mitochondrial dynamics in postmitotic cells regulate neurogenesis. <i>Science</i> , 2020, 369, 858-862.	6.0	143
365	Regulation of mitochondrial dynamics and energetics in the diabetic renal proximal tubule by the Î² ₂ -adrenergic receptor agonist formoterol. <i>American Journal of Physiology - Renal Physiology</i> , 2020, 319, F773-F779.	1.3	21
366	Mitochondria: A worthwhile object for ultrastructural qualitative characterization and quantification of cells at physiological and pathophysiological states using conventional transmission electron microscopy. <i>Acta Histochemica</i> , 2020, 122, 151646.	0.9	17

#	ARTICLE	IF	CITATIONS
367	Mice born to females with oocyte-specific deletion of mitofusin 2 have increased weight gain and impaired glucose homeostasis. <i>Molecular Human Reproduction</i> , 2020, 26, 938-952.	1.3	5
368	Modulation of <i>Tmem135</i> Leads to Retinal Pigmented Epithelium Pathologies in Mice. , 2020, 61, 16.		7
369	Mitochondrial fragmentation enables localized signaling required for cell repair. <i>Journal of Cell Biology</i> , 2020, 219, .	2.3	39
370	Picking up a Fight: Fine Tuning Mitochondrial Innate Immune Defenses Against RNA Viruses. <i>Frontiers in Microbiology</i> , 2020, 11, 1990.	1.5	23
371	Cdk5-mediated Drp1 phosphorylation drives mitochondrial defects and neuronal apoptosis in radiation-induced optic neuropathy. <i>Cell Death and Disease</i> , 2020, 11, 720.	2.7	37
372	The Emerging Role of RHOT1/Miro1 in the Pathogenesis of Parkinson's Disease. <i>Frontiers in Neurology</i> , 2020, 11, 587.	1.1	30
373	Mitochondrial transformations in the aging human placenta. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2020, 319, E981-E994.	1.8	14
374	Supramolecular Induction of Mitochondrial Aggregation and Fusion. <i>Journal of the American Chemical Society</i> , 2020, 142, 16523-16527.	6.6	83
375	LDHB inhibition induces mitophagy and facilitates the progression of CSFV infection. <i>Autophagy</i> , 2021, 17, 2305-2324.	4.3	38
376	Inflammation-induced PINCH expression leads to actin depolymerization and mitochondrial mislocalization in neurons. <i>Translational Neurodegeneration</i> , 2020, 9, 32.	3.6	11
377	Targeting Mitophagy in Alzheimer's Disease. <i>Journal of Alzheimer's Disease</i> , 2020, 78, 1273-1297.	1.2	6
378	Ca ²⁺ Dyshomeostasis Disrupts Neuronal and Synaptic Function in Alzheimer's Disease. <i>Cells</i> , 2020, 9, 2655.	1.8	33
379	Synergism and Antagonism of Two Distinct, but Confused, Nrf1 Factors in Integral Regulation of the Nuclear-to-Mitochondrial Respiratory and Antioxidant Transcription Networks. <i>Oxidative Medicine and Cellular Longevity</i> , 2020, 2020, 1-33.	1.9	4
380	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
381	Short exposure to hyperoxia causes cultured lung epithelial cell mitochondrial dysregulation and alveolar simplification in mice. <i>Pediatric Research</i> , 2021, 90, 58-65.	1.1	17
382	Nuclear encoded mitochondrial ribosomal proteins are required to initiate gastrulation. <i>Development (Cambridge)</i> , 2020, 147, .	1.2	20
383	Mechanisms of Genome Protection and Repair. <i>Advances in Experimental Medicine and Biology</i> , 2020, , .	0.8	2
384	Targeted delivery of mitochondria to the liver in rats. <i>Journal of Gastroenterology and Hepatology (Australia)</i> , 2020, 35, 2241-2247.	1.4	11

#	ARTICLE	IF	CITATIONS
385	Polyphenols as Caloric-Restriction Mimetics and Autophagy Inducers in Aging Research. <i>Nutrients</i> , 2020, 12, 1344.	1.7	65
386	Biological responses induced by high molecular weight chitosan administrated jointly with Platelet-derived Growth Factors in different mammalian cell lines. <i>International Journal of Biological Macromolecules</i> , 2020, 158, 953-967.	3.6	8
387	Interaction between Intracellular Bacterial Pathogens and Host Cell Mitochondria. , 2020, , 1-13.		4
388	Role of Mitochondria in Generation of Phenotypic Heterogeneity in Yeast. <i>Journal of the Indian Institute of Science</i> , 2020, 100, 497-514.	0.9	0
389	Mitochondrial function in immune cells in health and disease. <i>Biochimica Et Biophysica Acta - Molecular Basis of Disease</i> , 2020, 1866, 165845.	1.8	115
390	Mitochondria dysfunction in the pathogenesis of Alzheimer's disease: recent advances. <i>Molecular Neurodegeneration</i> , 2020, 15, 30.	4.4	562
391	A Healthy Heart and a Healthy Brain: Looking at Mitophagy. <i>Frontiers in Cell and Developmental Biology</i> , 2020, 8, 294.	1.8	20
392	Regulation of Mammalian Mitochondrial Dynamics: Opportunities and Challenges. <i>Frontiers in Endocrinology</i> , 2020, 11, 374.	1.5	97
393	Mitochondrial Inheritance in Phytopathogenic Fungi "Everything Is Known, or Is It?. <i>International Journal of Molecular Sciences</i> , 2020, 21, 3883.	1.8	15
394	Î²-Asarone improves learning and memory in AÎ²1-42-induced Alzheimer's disease rats by regulating PINK1-Parkin-mediated mitophagy. <i>Metabolic Brain Disease</i> , 2020, 35, 1109-1117.	1.4	38
395	Ccm1p is a 15S rRNA primary transcript processing factor as elucidated by a novel in vivo system in <i>Saccharomyces cerevisiae</i> . <i>Current Genetics</i> , 2020, 66, 775-789.	0.8	3
396	Clinico-pathological significance of Drp1 dysregulation and its correlation to apoptosis in oral cancer patients. <i>Mitochondrion</i> , 2020, 52, 115-124.	1.6	4
397	Principles and mechanisms of asymmetric cell division. <i>Development (Cambridge)</i> , 2020, 147, .	1.2	83
398	Mitophagy, Mitochondrial Homeostasis, and Cell Fate. <i>Frontiers in Cell and Developmental Biology</i> , 2020, 8, 467.	1.8	296
399	Seneciophylline, a main pyrrolizidine alkaloid in <i>Gynura japonica</i> , induces hepatotoxicity in mice and primary hepatocytes via activating mitochondria-mediated apoptosis. <i>Journal of Applied Toxicology</i> , 2020, 40, 1534-1544.	1.4	13
400	Membrane and organelle dynamics during cell division. <i>Nature Reviews Molecular Cell Biology</i> , 2020, 21, 151-166.	16.1	129
401	Strategies for fighting mitochondrial diseases. <i>Journal of Internal Medicine</i> , 2020, 287, 665-684.	2.7	47
402	The special considerations of gene therapy for mitochondrial diseases. <i>Npj Genomic Medicine</i> , 2020, 5, 7.	1.7	35

#	ARTICLE	IF	CITATIONS
403	<p>Silver Nanoparticle Exposure Causes Pulmonary Structural Damage and Mitochondrial Dynamic Imbalance in the Rat: Protective Effects of Sodium Selenite</p>. International Journal of Nanomedicine, 2020, Volume 15, 633-645.	3.3	32
404	<p>Mitochondrial Dynamic Dysfunction as a Main Triggering Factor for Inflammation Associated Chronic Non-Communicable Diseases</p>. Journal of Inflammation Research, 2020, Volume 13, 97-107.	1.6	58
405	Redox-dependent regulation of mitochondrial dynamics by DJ-1 paralogs in Saccharomyces cerevisiae. Redox Biology, 2020, 32, 101451.	3.9	29
406	Relaxed sequence constraints favor mutational freedom in idiosyncratic metazoan mitochondrial tRNAs. Nature Communications, 2020, 11, 969.	5.8	15
407	The role of mitochondria in shaping odor responses in Drosophila melanogaster olfactory sensory neurons. Cell Calcium, 2020, 87, 102179.	1.1	6
408	Mitochondrial Dysfunction and Ovarian Aging. Endocrinology, 2020, 161, .	1.4	81
409	Melatonin suppresses senescenceâ€derived mitochondrial dysfunction in mesenchymal stem cells via the HSPA1Lâ€mitophagy pathway. Aging Cell, 2020, 19, e13111.	3.0	67
410	Asymmetric inheritance of mitochondria in yeast. Biological Chemistry, 2020, 401, 779-791.	1.2	12
411	Promotion of mitochondrial fusion protects against developmental PBDE-47 neurotoxicity by restoring mitochondrial homeostasis and suppressing excessive apoptosis. Theranostics, 2020, 10, 1245-1261.	4.6	42
412	Modulation of Mitochondrial Metabolic Reprogramming and Oxidative Stress to Overcome Chemoresistance in Cancer. Biomolecules, 2020, 10, 135.	1.8	43
413	Mfn2 Ablation in the Adult Mouse Hippocampus and Cortex Causes Neuronal Death. Cells, 2020, 9, 116.	1.8	44
414	Mitochondrial Quality Control: Role in Cardiac Models of Lethal Ischemia-Reperfusion Injury. Cells, 2020, 9, 214.	1.8	46
415	Mitochondrial fission and fusion: A dynamic role in aging and potential target for age-related disease. Mechanisms of Ageing and Development, 2020, 186, 111212.	2.2	174
416	Mitochondrial functions and rare diseases. Molecular Aspects of Medicine, 2020, 71, 100842.	2.7	39
417	Mitochondrial response and resilience to anthropogenic chemicals during embryonic development. Comparative Biochemistry and Physiology Part - C: Toxicology and Pharmacology, 2020, 233, 108759.	1.3	4
418	Live imaging of alterations in cellular morphology and organelles during cornification using an epidermal equivalent model. Scientific Reports, 2020, 10, 5515.	1.6	16
419	Cell Cycle Profiling Reveals Protein Oscillation, Phosphorylation, and Localization Dynamics. Molecular and Cellular Proteomics, 2020, 19, 608-623.	2.5	22
420	DUSP6 SUMOylation protects cells from oxidative damage via direct regulation of Drp1 dephosphorylation. Science Advances, 2020, 6, eaaz0361.	4.7	42

#	ARTICLE	IF	CITATIONS
421	Mitophagy in cardiovascular homeostasis. <i>Mechanisms of Ageing and Development</i> , 2020, 188, 111245.	2.2	15
422	Mitofusin ¹ is required for oocyte growth and communication with follicular somatic cells. <i>FASEB Journal</i> , 2020, 34, 7644-7660.	0.2	27
423	Do You Remember Mitochondria?. <i>Frontiers in Physiology</i> , 2020, 11, 271.	1.3	10
424	Silibinin Induces G2/M Cell Cycle Arrest by Activating Drp1-Dependent Mitochondrial Fission in Cervical Cancer. <i>Frontiers in Pharmacology</i> , 2020, 11, 271.	1.6	20
425	Redox Modifications of Proteins of the Mitochondrial Fusion and Fission Machinery. <i>Cells</i> , 2020, 9, 815.	1.8	22
426	The Mitochondrial Ribosome: A World of Opportunities for Mitochondrial Dysfunction Toward Parkinson's Disease. <i>Antioxidants and Redox Signaling</i> , 2021, 34, 694-711.	2.5	5
427	Mitochondrial function, blastocyst development and live foals born after ICSI of immature vitrified/warmed equine oocytes matured with or without melatonin. <i>Theriogenology</i> , 2021, 160, 40-49.	0.9	24
428	Activation of transcription factor Nrf2 to counteract mitochondrial dysfunction in Parkinson's disease. <i>Medicinal Research Reviews</i> , 2021, 41, 785-802.	5.0	42
429	Development of classification models for predicting inhibition of mitochondrial fusion and fission using machine learning methods. <i>Chemosphere</i> , 2021, 273, 128567.	4.2	12
430	Mitochondrial Protein Import Dysfunction in Pathogenesis of Neurodegenerative Diseases. <i>Molecular Neurobiology</i> , 2021, 58, 1418-1437.	1.9	11
431	Mitochondria orchestrate macrophage effector functions in atherosclerosis. <i>Molecular Aspects of Medicine</i> , 2021, 77, 100922.	2.7	26
432	<i>dnm1</i> deletion blocks mitochondrial fragmentation in <i>Y</i> ⁶⁰ cells. <i>Yeast</i> , 2021, 38, 197-205.	0.8	8
433	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
434	Mitochondrial dynamics and mitophagy involved in MPA-capped CdTe quantum dots-induced toxicity in the human liver carcinoma (HepG2) cell line. <i>Environmental Pollution</i> , 2021, 274, 115681.	3.7	22
435	Mitochondrial dysfunction in cardiovascular disease: Current status of translational research/clinical and therapeutic implications. <i>Medicinal Research Reviews</i> , 2021, 41, 275-313.	5.0	51
436	Natural and Artificial Mechanisms of Mitochondrial Genome Elimination. <i>Life</i> , 2021, 11, 76.	1.1	4
437	Following the Dynamism of the Mitochondrial Network in T Cells. <i>Methods in Molecular Biology</i> , 2021, 2310, 287-299.	0.4	1
438	Molecular markers and its application in animal breeding. , 2021, , 123-140.		3

#	ARTICLE	IF	CITATIONS
439	Deciphering the dual role and prognostic potential of PINK1 across cancer types. <i>Neural Regeneration Research</i> , 2021, 16, 659.	1.6	7
440	Mitochondrial Ca ²⁺ and cell cycle regulation. <i>International Review of Cell and Molecular Biology</i> , 2021, 362, 171-207.	1.6	10
441	ER Stress-Sensor Proteins and ER-Mitochondrial Crosstalkâ€™ Signaling Beyond (ER) Stress Response. <i>Biomolecules</i> , 2021, 11, 173.	1.8	48
442	Importance of Mitochondrial Quality Control in Parkinsonâ€™s Disease: The Potential Interplay of Mitochondrial Unfolded Protein Response and Mitophagy. , 2021, , 103-131.		0
443	Tissue specificity of energy metabolism in mitochondria. , 2021, , 3-60.		3
444	Mechanism of PKM2 affecting cancer immunity and metabolism in Tumor Microenvironment. <i>Journal of Cancer</i> , 2021, 12, 3566-3574.	1.2	25
445	DAP3 Is Involved in Modulation of Cellular Radiation Response by RIG-I-Like Receptor Agonist in Human Lung Adenocarcinoma Cells. <i>International Journal of Molecular Sciences</i> , 2021, 22, 420.	1.8	11
446	Homeostatic p62 levels and inclusion body formation in CHCHD2 knockout mice. <i>Human Molecular Genetics</i> , 2021, 30, 443-453.	1.4	21
447	Mitophagy in tumorigenesis and metastasis. <i>Cellular and Molecular Life Sciences</i> , 2021, 78, 3817-3851.	2.4	90
448	The transcriptional coactivator CBP/p300 is an evolutionarily conserved node that promotes longevity in response to mitochondrial stress. <i>Nature Aging</i> , 2021, 1, 165-178.	5.3	49
449	Mitochondrial dynamics, positioning and function mediated by cytoskeletal interactions. <i>Cellular and Molecular Life Sciences</i> , 2021, 78, 3969-3986.	2.4	25
450	Small molecule induces mitochondrial fusion for neuroprotection via targeting CK2 without affecting its conventional kinase activity. <i>Signal Transduction and Targeted Therapy</i> , 2021, 6, 71.	7.1	40
451	A Naturally Heteroplasmic Clam Provides Clues about the Effects of Genetic Bottleneck on Paternal mtDNA. <i>Genome Biology and Evolution</i> , 2021, 13, .	1.1	11
452	Intercellular mitochondrial transfer as a means of tissue revitalization. <i>Signal Transduction and Targeted Therapy</i> , 2021, 6, 65.	7.1	137
453	Dysbindin-1 regulates mitochondrial fission and gamma oscillations. <i>Molecular Psychiatry</i> , 2021, 26, 4633-4651.	4.1	7
454	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
455	Organic dust exposure induces stress response and mitochondrial dysfunction in monocytic cells. <i>Histochemistry and Cell Biology</i> , 2021, 155, 699-718.	0.8	2
456	CYP27A1-dependent anti-melanoma activity of limonoid natural products targets mitochondrial metabolism. <i>Cell Chemical Biology</i> , 2021, 28, 1407-1419.e6.	2.5	11

#	ARTICLE	IF	CITATIONS
457	Systemic mitochondrial disruption is a key event in the toxicity of bacterial pore-forming toxins to <i>Caenorhabditis elegans</i> . <i>Environmental Microbiology</i> , 2021, 23, 4896-4907.	1.8	3
458	Using mitochondrial activity to select for potent human hematopoietic stem cells. <i>Blood Advances</i> , 2021, 5, 1605-1616.	2.5	17
459	Does supplementation with mitochondria improve oocyte competence? A systematic review. <i>Reproduction</i> , 2021, 161, 269-287.	1.1	10
460	The Role of Mitochondrial Adaptation and Metabolic Flexibility in the Pathophysiology of Obesity and Insulin Resistance: an Updated Overview. <i>Current Obesity Reports</i> , 2021, 10, 191-213.	3.5	20
461	The role of mitophagy in the regulation of mitochondrial energetic status in neurons. <i>Autophagy</i> , 2021, 17, 4182-4201.	4.3	61
462	Mitochondrial metabolism assessment of lycaon-dog fetuses in interspecies somatic cell nuclear transfer. <i>Theriogenology</i> , 2021, 165, 18-27.	0.9	10
463	Mitochondrial Dynamics, ROS, and Cell Signaling: A Blended Overview. <i>Life</i> , 2021, 11, 332.	1.1	83
464	The mitochondrial unfolded protein response and its diverse roles in cellular stress. <i>International Journal of Biochemistry and Cell Biology</i> , 2021, 133, 105934.	1.2	27
465	Structural and Functional Remodeling of Mitochondria in Cardiac Diseases. <i>International Journal of Molecular Sciences</i> , 2021, 22, 4167.	1.8	20
466	Xanthohumol-Induced Rat Glioma C6 Cells Death by Triggering Mitochondrial Stress. <i>International Journal of Molecular Sciences</i> , 2021, 22, 4506.	1.8	16
467	FIS1 Overexpression Is Correlated with Tumor Metastasis in Gastric Adenocarcinoma. <i>Journal of Gastrointestinal Cancer</i> , 2021, , 1.	0.6	7
468	Base-substitution mutation rate across the nuclear genome of <i>Alpheus</i> snapping shrimp and the timing of isolation by the Isthmus of Panama. <i>Bmc Ecology and Evolution</i> , 2021, 21, 104.	0.7	6
469	The Interplay between Dysregulated Ion Transport and Mitochondrial Architecture as a Dangerous Liaison in Cancer. <i>International Journal of Molecular Sciences</i> , 2021, 22, 5209.	1.8	15
470	USP19 promotes hypoxia-induced mitochondrial division via FUNDC1 at ER-mitochondria contact sites. <i>Journal of Cell Biology</i> , 2021, 220, .	2.3	29
471	Mitochondrial protein import as a quality control sensor. <i>Biology of the Cell</i> , 2021, 113, 375-400.	0.7	5
472	A genome-wide association study in human lymphoblastoid cells supports safety of mitochondrial complex I inhibitor. <i>Mitochondrion</i> , 2021, 58, 83-94.	1.6	6
473	Connecting the dots between mitochondrial dysfunction and Parkinson's disorder: focus mitochondria-targeting therapeutic paradigm in mitigating the disease severity. <i>Environmental Science and Pollution Research</i> , 2021, 28, 37060-37081.	2.7	11
474	The Moringin/±-CD Pretreatment Induces Neuroprotection in an In Vitro Model of Alzheimer's Disease: A Transcriptomic Study. <i>Current Issues in Molecular Biology</i> , 2021, 43, 197-214.	1.0	13

#	ARTICLE	IF	CITATIONS
475	AMPK: Potential Therapeutic Target for Vascular Calcification. <i>Frontiers in Cardiovascular Medicine</i> , 2021, 8, 670222.	1.1	12
476	Diversity of <scp>Balbiani</scp> body formation in internally and externally fertilizing representatives of <scp>Osteoglossiformes</scp> (<scp>Teleostei: Osteoglossomorpha</scp>). <i>Journal of Morphology</i> , 2021, 282, 1313-1329.	0.6	4
477	Molecular and cellular pathways contributing to brain aging. <i>Behavioral and Brain Functions</i> , 2021, 17, 6.	1.4	64
478	Long-lived mitochondrial cristae proteins in mouse heart and brain. <i>Journal of Cell Biology</i> , 2021, 220, .	2.3	32
479	Estrogen Deficiency Induces Mitochondrial Damage Prior to Emergence of Cognitive Deficits in a Postmenopausal Mouse Model. <i>Frontiers in Aging Neuroscience</i> , 2021, 13, 713819.	1.7	12
480	Advancing human disease research with fish evolutionary mutant models. <i>Trends in Genetics</i> , 2022, 38, 22-44.	2.9	23
481	Mitochondrial Dysfunction in Chronic Respiratory Diseases: Implications for the Pathogenesis and Potential Therapeutics. <i>Oxidative Medicine and Cellular Longevity</i> , 2021, 2021, 1-20.	1.9	25
482	Pharmacologically targeting molecular motor promotes mitochondrial fission for anti-cancer. <i>Acta Pharmaceutica Sinica B</i> , 2021, 11, 1853-1866.	5.7	11
483	Mitochondria-associated membrane-modulated Ca ²⁺ transfer: A potential treatment target in cardiac ischemia reperfusion injury and heart failure. <i>Life Sciences</i> , 2021, 278, 119511.	2.0	23
484	Intermittent Hypoxia-Hyperoxia and Oxidative Stress in Developing Human Airway Smooth Muscle. <i>Antioxidants</i> , 2021, 10, 1400.	2.2	5
485	Evolution of eukaryotes as a story of survival and growth of mitochondrial DNA over two billion years. <i>BioSystems</i> , 2021, 206, 104426.	0.9	1
486	Role of GTPase-Dependent Mitochondrial Dynamins in Heart Diseases. <i>Frontiers in Cardiovascular Medicine</i> , 2021, 8, 720085.	1.1	3
487	Inheritance of the reduced mitochondria of <i>Giardia intestinalis</i> is coupled to the flagellar maturation cycle. <i>BMC Biology</i> , 2021, 19, 193.	1.7	14
488	Opa1 Prevents Apoptosis and Cisplatin-Induced Ototoxicity in Murine Cochleae. <i>Frontiers in Cell and Developmental Biology</i> , 2021, 9, 744838.	1.8	8
489	Mitochondrial Biogenesis, Mitochondrial Dynamics, and Mitophagy in the Maturation of Cardiomyocytes. <i>Cells</i> , 2021, 10, 2463.	1.8	32
490	Mitochondrial quality control in acute ischemic stroke. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2021, 41, 3157-3170.	2.4	38
491	Ronin governs the metabolic capacity of the embryonic lineage for postâ€implantation development. <i>EMBO Reports</i> , 2021, 22, e53048.	2.0	4
492	The Role of Mitochondria in Oocyte Maturation. <i>Cells</i> , 2021, 10, 2484.	1.8	98

#	ARTICLE	IF	CITATIONS
493	Energy Metabolism Focused Analysis of Sexual Dimorphism in Biological Aging and Hypothesized Sex-specificity in Sirtuin Dependency. <i>Mitochondrion</i> , 2021, 60, 85-100.	1.6	3
494	Chronic inflammation and long-lasting changes in the gastric mucosa after <i>Helicobacter pylori</i> infection involved in gastric cancer. <i>Inflammation Research</i> , 2021, 70, 1015-1026.	1.6	15
495	Mitochondrial Regulation of Diabetic Kidney Disease. <i>Frontiers in Medicine</i> , 2021, 8, 745279.	1.2	15
496	Molecular Machinery and Pathophysiology of Mitochondrial Dynamics. <i>Frontiers in Cell and Developmental Biology</i> , 2021, 9, 743892.	1.8	18
497	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
498	The modified mitochondrial outer membrane carrier MTCH2 links mitochondrial fusion to lipogenesis. <i>Journal of Cell Biology</i> , 2021, 220, .	2.3	33
499	Analysis of mitochondrial regulatory transcripts in publicly available datasets with validation in placentae from pre-term, post-term and fetal growth restriction pregnancies. <i>Placenta</i> , 2021, 112, 162-171.	0.7	9
500	Mitochondrial DNA: cellular genotoxic stress sentinel. <i>Trends in Biochemical Sciences</i> , 2021, 46, 812-821.	3.7	50
501	Mff oligomerization is required for Drp1 activation and synergy with actin filaments during mitochondrial division. <i>Molecular Biology of the Cell</i> , 2021, 32, ar5.	0.9	18
503	A simple chalcone molecular rotor for specific fluorescence imaging of mitochondrial viscosity changes in living cells. <i>Dyes and Pigments</i> , 2021, 194, 109593.	2.0	12
504	Dynamic changes in mitochondrial DNA, morphology, and fission during oogenesis of a seasonal-breeding teleost, <i>Pampus argenteus</i> . <i>Tissue and Cell</i> , 2021, 72, 101558.	1.0	5
505	Correlation for tree-shaped datasets and its Bayesian estimation. <i>Computational Statistics and Data Analysis</i> , 2021, 164, 107307.	0.7	0
506	Mitochondrial dysfunction in kidney diseases. , 2021, , 119-154.		0
507	Alternative human eIF5A protein isoform plays a critical role in mitochondria. <i>Journal of Cellular Biochemistry</i> , 2021, 122, 549-561.	1.2	7
508	Extracellular matrix stiffness regulates mitochondrial dynamics through PINCH-1- and kindlin-2-mediated signalling. <i>Current Research in Cell Biology</i> , 2021, 2, 100008.	2.4	17
509	THE DYNAMIC CHONDRIOME. , 0, , 67-109.		3
510	Insights into Germline Development and Differentiation in Molluscs and Reptiles: The Use of Molecular Markers in the Study of Non-model Animals. <i>Results and Problems in Cell Differentiation</i> , 2019, 68, 321-353.	0.2	1
511	DNA Repair and Mutagenesis in Vertebrate Mitochondria: Evidence for Asymmetric DNA Strand Inheritance. <i>Advances in Experimental Medicine and Biology</i> , 2020, 1241, 77-100.	0.8	8

#	ARTICLE	IF	CITATIONS
512	The Roles of SUMO in Metabolic Regulation. <i>Advances in Experimental Medicine and Biology</i> , 2017, 963, 143-168.	0.8	18
513	Imiquimod-induced ROS production disrupts the balance of mitochondrial dynamics and increases mitophagy in skin cancer cells. <i>Journal of Dermatological Science</i> , 2020, 98, 152-162.	1.0	44
514	The mitochondrial UPR: mechanisms, physiological functions and implications in ageing. <i>Nature Reviews Molecular Cell Biology</i> , 2018, 19, 109-120.	16.1	451
515	Defective mitochondrial fission augments NLRP3 inflammasome activation. <i>Scientific Reports</i> , 2015, 5, 15489.	1.6	125
516	Getting around the cell: physical transport in the intracellular world. <i>Physical Biology</i> , 2020, 17, 061003.	0.8	71
524	Agent-Based Modeling of Mitochondria Links Sub-Cellular Dynamics to Cellular Homeostasis and Heterogeneity. <i>PLoS ONE</i> , 2017, 12, e0168198.	1.1	35
525	The extremely divergent maternally- and paternally-transmitted mitochondrial genomes are co-expressed in somatic tissues of two freshwater mussel species with doubly uniparental inheritance of mtDNA. <i>PLoS ONE</i> , 2017, 12, e0183529.	1.1	25
526	Biogenesis of the mitochondrial DNA inheritance machinery in the mitochondrial outer membrane of <i>Trypanosoma brucei</i> . <i>PLoS Pathogens</i> , 2017, 13, e1006808.	2.1	23
527	Increased mitochondrial fission of glomerular podocytes in diabetic nephropathy. <i>Endocrine Connections</i> , 2019, 8, 1206-1212.	0.8	37
528	Remodeling of mitochondrial morphology and function: an emerging hallmark of cellular reprogramming. <i>Cell Stress</i> , 2019, 3, 181-194.	1.4	26
529	Maternal transmission of mitochondrial diseases. <i>Genetics and Molecular Biology</i> , 2020, 43, e20190095.	0.6	14
530	Mitophagy-driven mitochondrial rejuvenation regulates stem cell fate. <i>Aging</i> , 2016, 8, 1330-1352.	1.4	70
531	Mitochondrial fission regulator 2 (MFR2) promotes growth, migration, invasion and tumour progression in breast cancer cells. <i>Aging</i> , 2019, 11, 10203-10219.	1.4	19
532	Oocyte mitochondria: role on fertility and disease transmission. <i>Animal Reproduction</i> , 2018, 15, 231-238.	0.4	19
533	Mitochondrial dysfunction in kidney injury, inflammation, and disease: Potential therapeutic approaches. <i>Kidney Research and Clinical Practice</i> , 2020, 39, 244-258.	0.9	93
534	The role of mitochondria in vascular calcification. <i>Journal of Translational Internal Medicine</i> , 2020, 8, 80-90.	1.0	17
535	Investigating the role of Sirtuins in cell reprogramming. <i>BMB Reports</i> , 2018, 51, 500-507.	1.1	17
536	The <i>Drosophila</i> HNF4 nuclear receptor promotes glucose-stimulated insulin secretion and mitochondrial function in adults. <i>ELife</i> , 2016, 5, .	2.8	78

#	ARTICLE	IF	CITATIONS
537	Metabolic reprogramming during neuronal differentiation from aerobic glycolysis to neuronal oxidative phosphorylation. <i>ELife</i> , 2016, 5, .	2.8	451
538	Large Scale 7436-bp Deletions in Human Sperm Mitochondrial DNA with Spermatozoa Dysfunction and Male Infertility. <i>Journal of Clinical and Diagnostic Research JCDR</i> , 2016, 10, GC09-GC12.	0.8	11
539	Antisense Oligonucleotide-Mediated Silencing of Mitochondrial Fusion and Fission Factors Modulates Mitochondrial Dynamics and Rescues Mitochondrial Dysfunction. <i>Nucleic Acid Therapeutics</i> , 2022, 32, 51-65.	2.0	2
540	Selenomethionine Improves Mitochondrial Function by Upregulating Mitochondrial Selenoprotein in a Model of Alzheimer's Disease. <i>Frontiers in Aging Neuroscience</i> , 2021, 13, 750921.	1.7	7
541	Dose-Dependent Response to the Environmental Pollutant Dichlorodiphenylethylene (DDE) in HepG2 Cells: Focus on Cell Viability and Mitochondrial Fusion/Fission Proteins. <i>Toxics</i> , 2021, 9, 270.	1.6	13
542	Mitophagy in the basolateral amygdala mediates increased anxiety induced by aversive social experience. <i>Neuron</i> , 2021, 109, 3793-3809.e8.	3.8	33
543	Cdk8 Kinase Module: A Mediator of Life and Death Decisions in Times of Stress. <i>Microorganisms</i> , 2021, 9, 2152.	1.6	9
544	Temporal proteomics during neurogenesis reveals large-scale proteome and organelle remodeling via selective autophagy. <i>Molecular Cell</i> , 2021, 81, 5082-5098.e11.	4.5	52
545	Mitochondrial Biogenesis and Dynamics in Health and Disease. , 2022, , 31-51.		1
549	Clinical Mitochondrial Medicine. , 2018, , .		2
554	Mitosomes in Parasitic Protists. <i>Microbiology Monographs</i> , 2019, , 205-242.	0.3	1
557	Current views in chronic obstructive pulmonary disease pathogenesis and management. <i>Saudi Pharmaceutical Journal</i> , 2021, 29, 1361-1373.	1.2	15
558	Perspectives of Molecular Therapy-Targeted Mitochondrial Fission in Hepatocellular Carcinoma. <i>BioMed Research International</i> , 2020, 2020, 1-7.	0.9	3
562	The ultrastructure of spermatogenic cells and morphological evaluation of testicular development in the silver pomfret (<i>Pampus argenteus</i>). <i>Journal of Veterinary Medicine Series C: Anatomia Histologia Embryologia</i> , 2021, 50, 1034-1042.	0.3	6
563	Biomass-related PM2.5 induces mitochondrial fragmentation and dysfunction in human airway epithelial cells. <i>Environmental Pollution</i> , 2022, 292, 118464.	3.7	19
564	Role of mitochondrial dynamics and mitophagy of vascular smooth muscle cell proliferation and migration in progression of atherosclerosis. <i>Archives of Pharmacal Research</i> , 2021, 44, 1051-1061.	2.7	27
565	The Multifaceted Regulation of Mitochondrial Dynamics During Mitosis. <i>Frontiers in Cell and Developmental Biology</i> , 2021, 9, 767221.	1.8	22
569	Ubl4A is critical for mitochondrial fusion process under nutrient deprivation stress. <i>PLoS ONE</i> , 2020, 15, e0242700.	1.1	3

#	ARTICLE	IF	CITATIONS
570	MiD49 and MiD51: New mediators of mitochondrial fission and novel targets for cardioprotection. <i>Conditioning Medicine</i> , 2018, 1, 239-246.	1.3	19
571	Deregulated mitochondrial microRNAs in Alzheimer's disease: Focus on synapse and mitochondria. <i>Ageing Research Reviews</i> , 2022, 73, 101529.	5.0	53
572	Protein corona mitigated the cytotoxicity of CdTe QDs to macrophages by targeting mitochondria. <i>NanoImpact</i> , 2022, 25, 100367.	2.4	13
573	Quantitative high-confidence human mitochondrial proteome and its dynamics in cellular context. <i>Cell Metabolism</i> , 2021, 33, 2464-2483.e18.	7.2	113
576	Quercetin regulates inflammation, oxidative stress, apoptosis, and mitochondrial structure and function in H9C2 cells by promoting PVT1 expression. <i>Acta Histochemica</i> , 2021, 123, 151819.	0.9	22
577	Saliva protein profiling for subject identification and potential medical applications. <i>Medicine in Omics</i> , 2021, 3, 100012.	0.6	5
578	Fluorescence Imaging of Mitochondrial DNA Base Excision Repair Reveals Dynamics of Oxidative Stress Responses. <i>Angewandte Chemie</i> , 2022, 134, .	1.6	4
579	Fluorescence Imaging of Mitochondrial DNA Base Excision Repair Reveals Dynamics of Oxidative Stress Responses. <i>Angewandte Chemie - International Edition</i> , 2022, 61, .	7.2	11
580	Genetic modulators associated with regulatory surveillance of mitochondrial quality control, play a key role in regulating stress pathways and longevity in <i>C. elegans</i> . <i>Life Sciences</i> , 2022, 290, 120226.	2.0	5
581	Activation of TLR4 induces severe acute pancreatitis-associated spleen injury via ROS-disrupted mitophagy pathway. <i>Molecular Immunology</i> , 2022, 142, 63-75.	1.0	12
582	Exercise Serum Alters Genes Related Mitochondria in Cardiomyocyte Culture Cell. <i>Jurnal Pendidikan Jasmani Dan Olahraga</i> , 2020, 5, .	0.3	0
583	Cell-Projection Pumping of Fibroblast Contents into Osteosarcoma SAOS-2 Cells Correlates with Increased SAOS-2 Proliferation and Migration, as well as Altered Morphology. <i>Biomolecules</i> , 2021, 11, 1875.	1.8	2
584	The effect of gestational age on mitochondrial properties of the mouse placenta. <i>Reproduction and Fertility</i> , 2022, 3, 19-29.	0.6	3
585	Mitochondrial Cytopathies of the Renal System. , 0, , .		0
586	Ultrastructural changes in mitochondria during oogenesis in two phylogenetically close fish species. <i>Journal of Morphology</i> , 2022, 283, 502-509.	0.6	2
587	Redox Activity of Flavonoids: Impact on Human Health, Therapeutics, and Chemical Safety. <i>Chemical Research in Toxicology</i> , 2022, 35, 140-162.	1.7	20
588	Oocyte mitochondria are key regulators of oocyte function and potential therapeutic targets for improving fertility. <i>Biology of Reproduction</i> , 2022, 106, 366-377.	1.2	27
589	Mitochondrial Fusion, Fission, and Mitophagy in Cardiac Diseases: Challenges and Therapeutic Opportunities. <i>Antioxidants and Redox Signaling</i> , 2022, 36, 844-863.	2.5	23

#	ARTICLE	IF	CITATIONS
590	Dexmedetomidine modulates mitochondrial dynamics to protect against endotoxin-induced lung injury via the protein kinase C- β /haem oxygenase-1 signalling pathway. <i>Biomarkers</i> , 2022, 27, 159-168.	0.9	1
591	Mitochondrial Quality Control: A Pathophysiological Mechanism and Therapeutic Target for Stroke. <i>Frontiers in Molecular Neuroscience</i> , 2021, 14, 786099.	1.4	18
592	Mitochondria, energy, and metabolism in neuronal health and disease. <i>FEBS Letters</i> , 2022, 596, 1095-1110.	1.3	60
593	Evidence of methylphenidate effect on mitochondria, redox homeostasis, and inflammatory aspects: Insights from animal studies. <i>Progress in Neuro-Psychopharmacology and Biological Psychiatry</i> , 2022, 116, 110518.	2.5	10
594	Effects of amyloid- β on protein SUMOylation and levels of mitochondrial proteins in primary cortical neurons. <i>IBRO Neuroscience Reports</i> , 2022, 12, 142-148.	0.7	2
595	Acrolein inhalation acutely affects the regulation of mitochondrial metabolism in rat lung. <i>Toxicology</i> , 2022, 469, 153129.	2.0	9
596	Macrophages, Metabolism and Heterophagy in the Heart. <i>Circulation Research</i> , 2022, 130, 418-431.	2.0	21
597	When left does not seem right: epigenetic and bioelectric differences between left- and right-sided breast cancer. <i>Molecular Medicine</i> , 2022, 28, 15.	1.9	3
598	Aging and Clonal Behavior of Hematopoietic Stem Cells. <i>International Journal of Molecular Sciences</i> , 2022, 23, 1948.	1.8	11
599	Insights into the post-translational modification and its emerging role in shaping the tumor microenvironment. <i>Signal Transduction and Targeted Therapy</i> , 2021, 6, 422.	7.1	57
600	Use of Next-Generation Sequencing for Identifying Mitochondrial Disorders. <i>Current Issues in Molecular Biology</i> , 2022, 44, 1127-1148.	1.0	6
601	Mitochondrial homeostasis regulates definitive endoderm differentiation of human pluripotent stem cells. <i>Cell Death Discovery</i> , 2022, 8, 69.	2.0	10
602	Mitochondria Signaling Pathways in Allergic Asthma. <i>Journal of Investigative Medicine</i> , 2022, 70, 863-882.	0.7	21
603	CHCHD2 and CHCHD10 regulate mitochondrial dynamics and integrated stress response. <i>Cell Death and Disease</i> , 2022, 13, 156.	2.7	31
604	The Role of Mitochondria in Human Fertility and Early Embryo Development: What Can We Learn for Clinical Application of Assessing and Improving Mitochondrial DNA?. <i>Cells</i> , 2022, 11, 797.	1.8	20
606	Clueless/CLUH regulates mitochondrial fission by promoting recruitment of Drp1 to mitochondria. <i>Nature Communications</i> , 2022, 13, 1582.	5.8	20
607	Mitochondrial Extracellular Vesicles in CNS Disorders: New Frontiers in Understanding the Neurological Disorders of the Brain. <i>Frontiers in Molecular Biosciences</i> , 2022, 9, 840364.	1.6	6
608	Predicting Mitochondrial Dynamic Behavior in Genetically Defined Neurodegenerative Diseases. <i>Cells</i> , 2022, 11, 1049.	1.8	10

#	ARTICLE	IF	CITATIONS
610	Chemotherapy-induced cachexia and model-informed dosing to preserve lean mass in cancer treatment. <i>PLoS Computational Biology</i> , 2022, 18, e1009505.	1.5	4
611	Mitochondrial dysfunction and vascular aging in comorbid pathology. <i>Pacific Medical Journal</i> , 2022, , 10-16.	0.0	2
612	Warm and cold temperatures have distinct germline stem cell lineage effects during <i>Drosophila</i> oogenesis. <i>Development (Cambridge)</i> , 2022, 149, .	1.2	13
613	Mitochondria Related Cell Death Modalities and Disease. <i>Frontiers in Cell and Developmental Biology</i> , 2022, 10, 832356.	1.8	31
614	Honokiol ameliorates cisplatin-induced acute kidney injury via inhibition of mitochondrial fission. <i>British Journal of Pharmacology</i> , 2022, 179, 3886-3904.	2.7	35
615	Vitamin K2 Modulates Mitochondrial Dysfunction Induced by 6-Hydroxydopamine in SH-SY5Y Cells via Mitochondrial Quality-Control Loop. <i>Nutrients</i> , 2022, 14, 1504.	1.7	11
616	Serum Levels of Mitochondrial Fission- and Fusion-Related Genes of Coal Workers' Pneumoconiosis and Risk Factor Analysis Based on a Generalized Linear Model. <i>Applied Bionics and Biomechanics</i> , 2022, 1-13.	0.5	3
617	Are mitophagy enhancers therapeutic targets for Alzheimer's disease?. <i>Biomedicine and Pharmacotherapy</i> , 2022, 149, 112918.	2.5	27
618	Design and synthesis of aptamer-cyclometalated iridium(III) complex conjugate targeting cancer cells. <i>European Journal of Medicinal Chemistry</i> , 2022, 236, 114335.	2.6	11
619	Mitochondrial DNA-dependent inflammation in kidney diseases. <i>International Immunopharmacology</i> , 2022, 107, 108637.	1.7	2
620	MFN1 and MFN2 Are Dispensable for Sperm Development and Functions in Mice. <i>International Journal of Molecular Sciences</i> , 2021, 22, 13507.	1.8	5
623	Mitochondria transplantation between living cells. <i>PLoS Biology</i> , 2022, 20, e3001576.	2.6	28
628	Transformation of Mitochondrial Architecture and Dynamics in the Chinese Soft-Shelled Turtle (<i>Pelodiscus sinensis</i>) During Hibernation. <i>Microscopy and Microanalysis</i> , 2022, , 1-11.	0.2	1
629	Map of Enteropathogenic <i>Escherichia coli</i> Targets Mitochondria and Triggers DRP-1-Mediated Mitochondrial Fission and Cell Apoptosis in Bovine Mastitis. <i>International Journal of Molecular Sciences</i> , 2022, 23, 4907.	1.8	5
630	Fibroblast growth factor 21, a stress regulator, inhibits Drp1 activation to alleviate skeletal muscle ischemia/reperfusion injury. <i>Laboratory Investigation</i> , 2022, 102, 979-988.	1.7	6
631	Targeting mitochondrial bioenergetics as a promising therapeutic strategy in metabolic and neurodegenerative diseases. <i>Biomedical Journal</i> , 2022, 45, 733-748.	1.4	16
632	Mitochondrial Fusion Supports Proliferation of Leukemia-Initiating Cells Through mTORC1 in Patient-Derived Xenograft Models. <i>SSRN Electronic Journal</i> , 0, , .	0.4	0
633	Cellular Senescence in Aging Lungs and Diseases. <i>Cells</i> , 2022, 11, 1781.	1.8	18

#	ARTICLE	IF	CITATIONS
634	Alterations of Mitochondrial Network by Cigarette Smoking and E-Cigarette Vaping. <i>Cells</i> , 2022, 11, 1688.	1.8	8
635	Sex differences in the intergenerational inheritance of metabolic traits. <i>Nature Metabolism</i> , 2022, 4, 507-523.	5.1	25
636	Long-term Copper Exposure Induces Mitochondrial Dynamics Disorder and Mitophagy in the Cerebrum of Pigs. <i>Biological Trace Element Research</i> , 2023, 201, 1197-1204.	1.9	6
637	Mitochondrial changes in fish cells in vitro in response to serum deprivation. <i>Fish Physiology and Biochemistry</i> , 2022, 48, 869-881.	0.9	3
639	The role of mitochondrial DNA in the pathogenesis of cardiovascular diseases. <i>Kazan Medical Journal</i> , 2022, 103, 455-466.	0.1	0
640	Genetic Diversity Analysis of the Chinese Daur Ethnic Group in Heilongjiang Province by Complete Mitochondrial Genome Sequencing. <i>Frontiers in Genetics</i> , 0, 13, .	1.1	2
641	Depletion of oocyte dynamin-related protein 1 shows maternal-effect abnormalities in embryonic development. <i>Science Advances</i> , 2022, 8, .	4.7	9
642	Chronic inhibition of the mitochondrial ATP synthase in skeletal muscle triggers sarcoplasmic reticulum distress and tubular aggregates. <i>Cell Death and Disease</i> , 2022, 13, .	2.7	5
643	Luseogliflozin preserves the pancreatic beta-cell mass and function in db/db mice by improving mitochondrial function. <i>Scientific Reports</i> , 2022, 12, .	1.6	3
644	Protective roles of MITOL against myocardial senescence and ischemic injury partly via Drp1 regulation. <i>IScience</i> , 2022, 25, 104582.	1.9	7
645	Fine-tuning cell organelle dynamics during mitosis by small GTPases. <i>Frontiers of Medicine</i> , 0, , .	1.5	0
647	TLR22-Induced Pro-Apoptotic mtROS Abets UPRmt-Mediated Mitochondrial Fission in <i>Aeromonas hydrophila</i> -Infected Headkidney Macrophages of <i>Clarias gariepinus</i> . <i>Frontiers in Immunology</i> , 0, 13, .	2.2	7
648	Transcriptional profiles of genes related to mitochondrial aging in placental pathologies. <i>Molecular Human Reproduction</i> , 2022, 28, .	1.3	5
649	Toxic effects of AZD1208 on mouse oocytes and its possible mechanisms. <i>Journal of Cellular Physiology</i> , 2022, 237, 3661-3670.	2.0	1
650	Mitochondrial impairment and repair in the pathogenesis of systemic lupus erythematosus. <i>Frontiers in Immunology</i> , 0, 13, .	2.2	6
651	Peroxisomal regulation of energy homeostasis: Effect on obesity and related metabolic disorders. <i>Molecular Metabolism</i> , 2022, 65, 101577.	3.0	21
652	Mitochondrial Dysfunction and Cardiovascular Disease: Pathophysiology and Emerging Therapies. <i>Oxidative Medicine and Cellular Longevity</i> , 2022, 2022, 1-16.	1.9	21
653	mtDNA Maintenance and Alterations in the Pathogenesis of Neurodegenerative Diseases. <i>Current Neuropharmacology</i> , 2023, 21, 578-598.	1.4	1

#	ARTICLE	IF	CITATIONS
654	Novel <i>DNM1L</i> variants impair mitochondrial dynamics through divergent mechanisms. <i>Life Science Alliance</i> , 2022, 5, e202101284.	1.3	9
655	Resistance of mitochondrial DNA to cadmium and Aflatoxin B1 damage-induced germline mutation accumulation in <i>C. elegans</i> . <i>Nucleic Acids Research</i> , 2022, 50, 8626-8642.	6.5	5
656	Mitochondrial autophagy in the sleeping brain. <i>Frontiers in Cell and Developmental Biology</i> , 0, 10, .	1.8	6
657	Sinisan alleviates depression-like behaviors by regulating mitochondrial function and synaptic plasticity in maternal separation rats. <i>Phytomedicine</i> , 2022, 106, 154395.	2.3	17
658	Mitochondrial Impairment: A Common Motif in Neuropsychiatric Presentation? The Link to the Tryptophan-Kynurenine Metabolic System. <i>Cells</i> , 2022, 11, 2607.	1.8	72
659	Mitochondrial behavior when things go wrong in the axon. <i>Frontiers in Cellular Neuroscience</i> , 0, 16, .	1.8	4
660	Noncanonical PDK4 action alters mitochondrial dynamics to affect the cellular respiratory status. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2022, 119, .	3.3	18
661	Control of mitochondrial dynamics and apoptotic pathways by peroxisomes. <i>Frontiers in Cell and Developmental Biology</i> , 0, 10, .	1.8	5
662	A novel mutation in human <i>EMD</i> gene and mitochondrial dysfunction in emerin knockdown cardiomyocytes. <i>Journal of Cellular and Molecular Medicine</i> , 2022, 26, 5054-5066.	1.6	1
664	Extreme intraspecific divergence in mitochondrial haplotypes makes the threespine stickleback fish an emerging evolutionary mutant model for mito-nuclear interactions. <i>Frontiers in Genetics</i> , 0, 13, .	1.1	1
666	Effect of mycobacterial proteins that target mitochondria on the alveolar macrophages activation during <i>Mycobacterium tuberculosis</i> infection. <i>Experimental Lung Research</i> , 2022, 48, 251-265.	0.5	1
667	Roles of mitochondrial fusion and fission in breast cancer progression: a systematic review. <i>World Journal of Surgical Oncology</i> , 2022, 20, .	0.8	7
668	Cytoplasmic and mitochondrial aminoacyl-tRNA synthetases differentially regulate lifespan in <i>Caenorhabditis elegans</i> . <i>IScience</i> , 2022, 25, 105266.	1.9	0
669	A-Kinase Anchor Protein 1 deficiency causes mitochondrial dysfunction in mouse model of hyperoxia induced acute lung injury. <i>Frontiers in Pharmacology</i> , 0, 13, .	1.6	7
670	<i>IL-17A</i> promotes lung fibrosis through impairing mitochondrial homeostasis in type <i>II</i> alveolar epithelial cells. <i>Journal of Cellular and Molecular Medicine</i> , 2022, 26, 5728-5741.	1.6	5
671	DNA-Based Molecular Machines. <i>Jacs Au</i> , 2022, 2, 2381-2399.	3.6	15
672	V-ATPase/TORC1-mediated ATFS-1 translation directs mitochondrial UPR activation in <i>C. elegans</i> . <i>Journal of Cell Biology</i> , 2023, 222, .	2.3	3
673	Oxaloacetate acid ameliorates paraquat-induced acute lung injury by alleviating oxidative stress and mitochondrial dysfunction. <i>Frontiers in Pharmacology</i> , 0, 13, .	1.6	5

#	ARTICLE	IF	CITATIONS
674	Compensatory Genetic and Transcriptional Cytonuclear Coordination in Allopolyploid Lager Yeast (<i>Saccharomyces pastorianus</i>). <i>Molecular Biology and Evolution</i> , 2022, 39, .	3.5	1
675	Structural regulation and dynamic behaviour of organelles during plant meiosis. <i>Frontiers in Cell and Developmental Biology</i> , 0, 10, .	1.8	0
676	Bioactive compounds for metabolic diseases. , 2023, , 517-546.		0
677	Neuron-periphery mitochondrial stress communication in aging and diseases. , 0, , .		3
678	Smoking-Associated Exposure of Human Primary Bronchial Epithelial Cells to Aldehydes: Impact on Molecular Mechanisms Controlling Mitochondrial Content and Function. <i>Cells</i> , 2022, 11, 3481.	1.8	2
679	The Role of Mitochondrial Enzymes, Succinate-Coupled Signaling Pathways and Mitochondrial Ultrastructure in the Formation of Urgent Adaptation to Acute Hypoxia in the Myocardium. <i>International Journal of Molecular Sciences</i> , 2022, 23, 14248.	1.8	9
680	Cannabinoid-mediated targeting of mitochondria on the modulation of mitochondrial function and dynamics. <i>Pharmacological Research</i> , 2023, 187, 106603.	3.1	7
681	Mitochondrial DNA copy number in cumulus granulosa cells as a predictor for embryo morphokinetics and chromosome status. <i>Systems Biology in Reproductive Medicine</i> , 2023, 69, 101-111.	1.0	0
682	Co-regulation of mitochondrial and chloroplast function: Molecular components and mechanisms. <i>Plant Communications</i> , 2023, 4, 100496.	3.6	9
683	The phylogeography of some soil-feeding termites shaped by the Andes. <i>Organisms Diversity and Evolution</i> , 0, , .	0.7	1
684	Emerging mitochondrial-mediated mechanisms involved in oligodendrocyte development. <i>Journal of Neuroscience Research</i> , 2023, 101, 354-366.	1.3	4
685	ALKBH5 attenuates mitochondrial fission and ameliorates liver fibrosis by reducing Drp1 methylation. <i>Pharmacological Research</i> , 2023, 187, 106608.	3.1	14
686	Mitochondria in Aging and Alzheimer's Disease: Focus on Mitophagy. <i>Neuroscientist</i> , 0, , 107385842211397.	2.6	12
688	Microtubule-mitochondrial attachment facilitates cell division symmetry and mitochondrial partitioning in fission yeast. <i>Journal of Cell Science</i> , 2023, 136, .	1.2	4
689	The recognition mode between hsRBFA and mitoribosome 12S rRNA during mitoribosomal biogenesis. <i>Nucleic Acids Research</i> , 2023, 51, 1353-1363.	6.5	2
690	Ovarian Cancer: A Landscape of Mitochondria with Emphasis on Mitochondrial Dynamics. <i>International Journal of Molecular Sciences</i> , 2023, 24, 1224.	1.8	9
691	Cellular metabolism and mitochondrial dysfunction in chronic obstructive pulmonary disease. <i>Pulmonologiya</i> , 0, , .	0.2	0
692	PLK1 protects intestinal barrier function during sepsis by targeting mitochondrial dynamics through TANK-NF- κ B signalling. <i>Molecular Medicine</i> , 2022, 28, .	1.9	1

#	ARTICLE	IF	CITATIONS
693	The Potential of Melatonin to Treat Atherosclerosis by Targeting Mitochondria. <i>Current Topics in Medicinal Chemistry</i> , 2023, 23, 848-859.	1.0	2
694	Surface Defects Regulate the <i>in Vivo</i> Bioenergetic Response of Earthworm <i>Eisenia fetida</i> Coelomocytes to Molybdenum Disulfide Nanosheets. <i>ACS Nano</i> , 2023, 17, 2639-2652.	7.3	9
695	Mitochondrial dysfunction and oxidative stress: Role in chronic kidney disease. <i>Life Sciences</i> , 2023, 319, 121432.	2.0	5
696	NIR Light-Mediated Mitochondrial RNA Modification for Cancer RNA Interference Therapeutics. <i>Angewandte Chemie - International Edition</i> , 2023, 62, .	7.2	4
697	Mitochondrial mechanisms in Alzheimer's disease: Quest for therapeutics. <i>Drug Discovery Today</i> , 2023, 28, 103547.	3.2	6
698	AdipoRon mitigates tau pathology and restores mitochondrial dynamics via AMPK-related pathway in a mouse model of Alzheimer's disease. <i>Experimental Neurology</i> , 2023, 363, 114355.	2.0	5
699	Senomorphic effect of diphenylethidium through AMPK/MFF/DRP1 mediated mitochondrial fission. <i>Biomedicine and Pharmacotherapy</i> , 2023, 162, 114616.	2.5	1
700	Compartment specific mitochondrial dysfunction in <i>Drosophila</i> knock-in model of ALS reversed by altered gene expression of OXPHOS subunits and pro-fission factor Drp1. <i>Molecular and Cellular Neurosciences</i> , 2023, 125, 103834.	1.0	2
701	Single-cell transcriptome reveals cell division-regulated hub genes in the unicellular eukaryote <i>Paramecium</i> . <i>European Journal of Protistology</i> , 2023, 89, 125978.	0.5	0
702	Inter and intracellular mitochondrial transfer: Future of mitochondrial transplant therapy in Parkinson's disease. <i>Biomedicine and Pharmacotherapy</i> , 2023, 159, 114268.	2.5	15
703	Mechanisms behind therapeutic potentials of mesenchymal stem cell mitochondria transfer/delivery. <i>Journal of Controlled Release</i> , 2023, 354, 755-769.	4.8	13
704	Mitochondrial fusion is a therapeutic vulnerability of acute myeloid leukemia. <i>Leukemia</i> , 2023, 37, 765-775.	3.3	7
705	A bacteriocyte symbiont determines whitefly sex ratio by regulating mitochondrial function. <i>Cell Reports</i> , 2023, 42, 112102.	2.9	3
706	Mitochondrial recovery by the UPRmt: Insights from <i>C. elegans</i> . <i>Seminars in Cell and Developmental Biology</i> , 2023, , .	2.3	2
707	Experimental therapy for mitochondrial diseases. <i>Handbook of Clinical Neurology</i> / Edited By P J Vinken and G W Bruyn, 2023, , 259-277.	1.0	1
708	Mitochondrial Dysfunction in Cardiac Arrhythmias. <i>Cells</i> , 2023, 12, 679.	1.8	7
709	Metrnl Alleviates Lipid Accumulation by Modulating Mitochondrial Homeostasis in Diabetic Nephropathy. <i>Diabetes</i> , 2023, 72, 611-626.	0.3	7
710	Saturated fatty acids increase <i>LPI</i> to reduce <i>FUNDC1</i> dimerization and stability and mitochondrial function. <i>EMBO Reports</i> , 2023, 24, .	2.0	4

#	ARTICLE	IF	CITATIONS
711	NIR Light-Mediated Mitochondrial RNA Modification for Cancer RNA Interference Therapeutics. <i>Angewandte Chemie</i> , 2023, 135, .	1.6	0
712	Mitochondrial Dysfunction in Intensive Care Unit-Acquired Weakness and Critical Illness Myopathy: A Narrative Review. <i>International Journal of Molecular Sciences</i> , 2023, 24, 5516.	1.8	8
713	Drp1 is essential for PINK1/Parkin signaling in H9c2 cardiomyocytes. <i>MedComm</i> , 2023, 4, .	3.1	0
715	Mechanisms of ovarian aging in women: a review. <i>Journal of Ovarian Research</i> , 2023, 16, .	1.3	12
716	Mitochondrial Dynamics during Development. , 2023, 2, 19-44.		4
717	Insights from <i>Drosophila</i> on A β - and tau-induced mitochondrial dysfunction: mechanisms and tools. <i>Frontiers in Neuroscience</i> , 0, 17, .	1.4	2
718	Spatial and temporal dynamics of ATP synthase from mitochondria toward the cell surface. <i>Communications Biology</i> , 2023, 6, .	2.0	5
719	BNP protects against diabetic cardiomyopathy by promoting Opa1-mediated mitochondrial fusion via activating the PKG-STAT3 pathway. <i>Redox Biology</i> , 2023, 62, 102702.	3.9	9
722	Mitochondrial Dysfunction as a Signaling Target for Therapeutic Intervention in Major Neurodegenerative Disease. <i>Neurotoxicity Research</i> , 2023, 41, 708-729.	1.3	8
725	The multiple links between actin and mitochondria. <i>Nature Reviews Molecular Cell Biology</i> , 2023, 24, 651-667.	16.1	8
728	Therapeutic implication of Sonic Hedgehog as a potential modulator in ischemic injury. <i>Pharmacological Reports</i> , 0, , .	1.5	0
752	Phytochemicals in synucleinopathies: targeting mitochondrial dysfunction and α -synuclein toxicity. <i>Studies in Natural Products Chemistry</i> , 2023, , 45-73.	0.8	0
761	The power and potential of mitochondria transfer. <i>Nature</i> , 2023, 623, 283-291.	13.7	13
771	Toxic interactions between dopamine, α -synuclein, monoamine oxidase, and genes in mitochondria of Parkinson's disease. <i>Journal of Neural Transmission</i> , 0, , .	1.4	0
773	Mitophagy plays a "double-edged sword" role in the radiosensitivity of cancer cells. <i>Journal of Cancer Research and Clinical Oncology</i> , 2024, 150, .	1.2	0
777	Preneoplastic cells switch to Warburg metabolism from their inception exposing multiple vulnerabilities for targeted elimination. <i>Oncogenesis</i> , 2024, 13, .	2.1	0