

ER-mitochondria contacts couple mtDNA synthesis with cells

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Citation Report

#	ARTICLE	IF	CITATIONS
1	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
2	A finer look at a fine cellular meshwork. <i>Science</i> , 2016, 354, 415-416.	6.0	3
3	The organelle replication connection. <i>Nature</i> , 2016, 538, 326-327.	13.7	2
4	Blocking iNOS and endoplasmic reticulum stress synergistically improves insulin resistance in mice. <i>Molecular Metabolism</i> , 2017, 6, 206-218.	3.0	27
5	Architecture Mapping of the Inner Mitochondrial Membrane Proteome by Chemical Tools in Live Cells. <i>Journal of the American Chemical Society</i> , 2017, 139, 3651-3662.	6.6	69
6	POLG2 deficiency causes adult-onset syndromic sensory neuropathy, ataxia and parkinsonism. <i>Annals of Clinical and Translational Neurology</i> , 2017, 4, 4-14.	1.7	13
7	The endoplasmic reticulum-mitochondria coupling in health and disease: Molecules, functions and significance. <i>Cell Calcium</i> , 2017, 62, 1-15.	1.1	193
8	Proximity Biotinylation as a Method for Mapping Proteins Associated with mtDNA in Living Cells. <i>Cell Chemical Biology</i> , 2017, 24, 404-414.	2.5	102
9	Actin Cytoskeleton-Mediated Constriction of Membrane Organelles via Endoplasmic Reticulum Scaffolding. <i>ACS Biomaterials Science and Engineering</i> , 2017, 3, 2727-2732.	2.6	9
10	Sarcoplasmic reticulum-mitochondria communication in cardiovascular pathophysiology. <i>Nature Reviews Cardiology</i> , 2017, 14, 342-360.	6.1	114
11	Sec16 in conventional and unconventional exocytosis: Working at the interface of membrane traffic and secretory autophagy?. <i>Journal of Cellular Physiology</i> , 2017, 232, 3234-3243.	2.0	11
12	The mitochondria-endoplasmic reticulum contact sites: a signalling platform for cell death. <i>Current Opinion in Cell Biology</i> , 2017, 47, 52-63.	2.6	86
13	Mitochondrial DNA in innate immune responses and inflammatory pathology. <i>Nature Reviews Immunology</i> , 2017, 17, 363-375.	10.6	658
14	Mitochondria - If only we could be a fly on the cell wall. <i>Biochimica Et Biophysica Acta - Molecular Cell Research</i> , 2017, 1864, 1469-1480.	1.9	27
15	Mitochondria organelle contact sites: the plot thickens. <i>Biochemical Society Transactions</i> , 2017, 45, 477-488.	1.6	17
16	The mobility of mitochondria: Intercellular trafficking in health and disease. <i>Clinical and Experimental Pharmacology and Physiology</i> , 2017, 44, 15-20.	0.9	27
17	Expanding perspectives on the significance of mitophagy in cancer. <i>Seminars in Cancer Biology</i> , 2017, 47, 110-124.	4.3	131
18	Mitochondrial Ca ²⁺ Handling and Behind: The Importance of Being in Contact with Other Organelles. <i>Biological and Medical Physics Series</i> , 2017, , 3-39.	0.3	1

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19	Connection of Protein Transport and Organelle Contact Sites in Mitochondria. <i>Journal of Molecular Biology</i> , 2017, 429, 2148-2160.	2.0	29
20	Constriction of the mitochondrial inner compartment is a priming event for mitochondrial division. <i>Nature Communications</i> , 2017, 8, 15754.	5.8	155
21	Calcium Transport and Signaling in Mitochondria. , 2017, 7, 623-634.		168
22	Î±-Synuclein binds to the ERâ€™ mitochondria tethering protein VAPB to disrupt Ca ²⁺ homeostasis and mitochondrial ATP production. <i>Acta Neuropathologica</i> , 2017, 134, 129-149.	3.9	262
23	From dysfunctional endoplasmic reticulum-mitochondria coupling to neurodegeneration. <i>Neurochemistry International</i> , 2017, 109, 171-183.	1.9	54
24	The mechanisms and functions of interorganelle interactions. <i>Molecular Biology of the Cell</i> , 2017, 28, 703-704.	0.9	5
25	Novel regulatory roles of Mff and Drp1 in E3 ubiquitin ligase MARCH5â€™ dependent degradation of MiD49 and Mcl1 and control of mitochondrial dynamics. <i>Molecular Biology of the Cell</i> , 2017, 28, 396-410.	0.9	77
26	Rapid immunopurification of mitochondria for metabolite profiling and absolute quantification of matrix metabolites. <i>Nature Protocols</i> , 2017, 12, 2215-2231.	5.5	83
27	Perspective on architecture and assembly of membrane contact sites. <i>Biology of the Cell</i> , 2017, 109, 400-408.	0.7	7
28	Bioinspired approach toward molecular electrets: synthetic proteome for materials. <i>Pure and Applied Chemistry</i> , 2017, 89, 1777-1797.	0.9	10
29	The constriction and scission machineries involved in mitochondrial fission. <i>Journal of Cell Science</i> , 2017, 130, 2953-2960.	1.2	187
30	Role of Endoplasmic Reticulum-Mitochondria Communication in Type 2 Diabetes. <i>Advances in Experimental Medicine and Biology</i> , 2017, 997, 171-186.	0.8	51
31	Regulation of Mitochondrial Dynamics and Autophagy by the Mitochondria-Associated Membrane. <i>Advances in Experimental Medicine and Biology</i> , 2017, 997, 33-47.	0.8	56
32	The monoplastidic bottleneck in algae and plant evolution. <i>Journal of Cell Science</i> , 2018, 131, .	1.2	33
33	mTOR Controls Mitochondrial Dynamics and Cell Survival via MTFP1. <i>Molecular Cell</i> , 2017, 67, 922-935.e5.	4.5	249
34	Live imaging reveals the dynamics and regulation of mitochondrial nucleoids during the cell cycle in Fucci2-HeLa cells. <i>Scientific Reports</i> , 2017, 7, 11257.	1.6	50
35	Ascorbate peroxidase proximity labeling coupled with biochemical fractionation identifies promoters of endoplasmic reticulumâ€™ mitochondrial contacts. <i>Journal of Biological Chemistry</i> , 2017, 292, 16382-16392.	1.6	70
36	The Role of Skeletal Muscle Estrogen Receptors in Metabolic Homeostasis and Insulin Sensitivity. <i>Advances in Experimental Medicine and Biology</i> , 2017, 1043, 257-284.	0.8	12

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37	A Bi-fluorescence complementation system to detect associations between the Endoplasmic reticulum and mitochondria. <i>Scientific Reports</i> , 2017, 7, 17467.	1.6	28
38	Receptor-mediated Drp1 oligomerization on endoplasmic reticulum. <i>Journal of Cell Biology</i> , 2017, 216, 4123-4139.	2.3	98
39	A novel fluorescent reporter detects plastic remodeling of mitochondria-ER contact sites. <i>Journal of Cell Science</i> , 2018, 131, .	1.2	66
40	Proteostasis in cardiac health and disease. <i>Nature Reviews Cardiology</i> , 2017, 14, 637-653.	6.1	133
41	Piecing Together the Patchwork of Contact Sites. <i>Trends in Cell Biology</i> , 2017, 27, 214-229.	3.6	140
42	Interorganelle Communication between Mitochondria and the Endolysosomal System. <i>Frontiers in Cell and Developmental Biology</i> , 2017, 5, 95.	1.8	88
43	Protein Localization at Mitochondria-ER Contact Sites in Basal and Stress Conditions. <i>Frontiers in Cell and Developmental Biology</i> , 2017, 5, 107.	1.8	15
44	Interaction of Mitochondria with the Endoplasmic Reticulum and Plasma Membrane in Calcium Homeostasis, Lipid Trafficking and Mitochondrial Structure. <i>International Journal of Molecular Sciences</i> , 2017, 18, 1576.	1.8	164
45	Mitochondria-Associated Membranes As Networking Platforms and Regulators of Cancer Cell Fate. <i>Frontiers in Oncology</i> , 2017, 7, 174.	1.3	73
46	Mitochondrial Nucleoid: Shield and Switch of the Mitochondrial Genome. <i>Oxidative Medicine and Cellular Longevity</i> , 2017, 2017, 1-15.	1.9	95
47	Organization and dynamics of yeast mitochondrial nucleoids. <i>Proceedings of the Japan Academy Series B: Physical and Biological Sciences</i> , 2017, 93, 339-359.	1.6	32
48	ATAD3 gene cluster deletions cause cerebellar dysfunction associated with altered mitochondrial DNA and cholesterol metabolism. <i>Brain</i> , 2017, 140, 1595-1610.	3.7	105
49	Monoamine oxidase-dependent endoplasmic reticulum-mitochondria dysfunction and mast cell degranulation lead to adverse cardiac remodeling in diabetes. <i>Cell Death and Differentiation</i> , 2018, 25, 1671-1685.	5.0	54
50	BAK/BAX macropores facilitate mitochondrial herniation and mtDNA efflux during apoptosis. <i>Science</i> , 2018, 359, .	6.0	581
51	Autophagy balances mtDNA synthesis and degradation by DNA polymerase POLG during starvation. <i>Journal of Cell Biology</i> , 2018, 217, 1601-1611.	2.3	47
52	Disruption of ER-mitochondria signalling in fronto-temporal dementia and related amyotrophic lateral sclerosis. <i>Cell Death and Disease</i> , 2018, 9, 327.	2.7	54
53	Historical perspective: phosphatidylserine and phosphatidylethanolamine from the 1800s to the present. <i>Journal of Lipid Research</i> , 2018, 59, 923-944.	2.0	62
54	Organelles: The Emerging Signalling Chart of Mitochondrial Dynamics. <i>Current Biology</i> , 2018, 28, R73-R75.	1.8	10

#	ARTICLE	IF	CITATIONS
55	Mitochondrial network complexity emerges from fission/fusion dynamics. <i>Scientific Reports</i> , 2018, 8, 363.	1.6	65
56	Hypermetabolic macrophages in rheumatoid arthritis and coronary artery disease due to glycogen synthase kinase 3 β inactivation. <i>Annals of the Rheumatic Diseases</i> , 2018, 77, 1053-1062.	0.5	80
57	Mitochondria-lysosome contacts regulate mitochondrial fission via RAB7 GTP hydrolysis. <i>Nature</i> , 2018, 554, 382-386.	13.7	564
58	Topoisomerase 3 β Is Required for Decatenation and Segregation of Human mtDNA. <i>Molecular Cell</i> , 2018, 69, 9-23.e6.	4.5	102
59	ATF6 safeguards organelle homeostasis and cellular aging in human mesenchymal stem cells. <i>Cell Discovery</i> , 2018, 4, 2.	3.1	49
60	Silver nanoparticles induce SH-SY5Y cell apoptosis via endoplasmic reticulum- and mitochondrial pathways that lengthen endoplasmic reticulum-mitochondria contact sites and alter inositol-3-phosphate receptor function. <i>Toxicology Letters</i> , 2018, 285, 156-167.	0.4	58
61	Neutrophil-specific knockout demonstrates a role for mitochondria in regulating neutrophil motility in zebrafish. <i>DMM Disease Models and Mechanisms</i> , 2018, 11, .	1.2	52
62	Endoplasmic Reticulum-Mitochondrial Contactology: Structure and Signaling Functions. <i>Trends in Cell Biology</i> , 2018, 28, 523-540.	3.6	381
63	The role of endoplasmic reticulum-mitochondria contact sites in the control of glucose homeostasis: an update. <i>Cell Death and Disease</i> , 2018, 9, 388.	2.7	165
64	The regulation of tumor cell physiology by mitochondrial dynamics. <i>Biochemical and Biophysical Research Communications</i> , 2018, 500, 9-16.	1.0	42
65	Integrative functions of the mitochondrial contact site and cristae organizing system. <i>Seminars in Cell and Developmental Biology</i> , 2018, 76, 191-200.	2.3	45
66	Phosphatidic Acid and Cardiolipin Coordinate Mitochondrial Dynamics. <i>Trends in Cell Biology</i> , 2018, 28, 67-76.	3.6	186
67	INF2-mediated actin polymerization at the ER stimulates mitochondrial calcium uptake, inner membrane constriction, and division. <i>Journal of Cell Biology</i> , 2018, 217, 251-268.	2.3	246
68	The ever-growing complexity of the mitochondrial fission machinery. <i>Cellular and Molecular Life Sciences</i> , 2018, 75, 355-374.	2.4	157
69	Mitochondrial diseases: the contribution of organelle stress responses to pathology. <i>Nature Reviews Molecular Cell Biology</i> , 2018, 19, 77-92.	16.1	369
71	Subcellular connectomic analyses of energy networks in striated muscle. <i>Nature Communications</i> , 2018, 9, 5111.	5.8	104
72	Stress Coping Strategies in the Heart: An Integrated View. <i>Frontiers in Cardiovascular Medicine</i> , 2018, 5, 168.	1.1	17
73	Mitochondrial Quality Control Mechanisms and the PHB (Prohibitin) Complex. <i>Cells</i> , 2018, 7, 238.	1.8	59

#	ARTICLE	IF	CITATIONS
74	Reflections on a seminal paper in conservation biology: the legacy of Peters and Darling (1985). <i>Pacific Conservation Biology</i> , 2018, 24, 267.	0.5	2
75	SYBR Gold dye enables preferential labelling of mitochondrial nucleoids and their time-lapse imaging by structured illumination microscopy. <i>PLoS ONE</i> , 2018, 13, e0203956.	1.1	18
76	Visualizing Intracellular Organelle and Cytoskeletal Interactions at Nanoscale Resolution on Millisecond Timescales. <i>Cell</i> , 2018, 175, 1430-1442.e17.	13.5	427
77	Mechanical forces on cellular organelles. <i>Journal of Cell Science</i> , 2018, 131, .	1.2	50
78	A novel lysosome-to-mitochondria signaling pathway disrupted by amyloid β oligomers. <i>EMBO Journal</i> , 2018, 37, .	3.5	47
79	Separating and Segregating the Human Mitochondrial Genome. <i>Trends in Biochemical Sciences</i> , 2018, 43, 869-881.	3.7	37
80	The peroxisome: an update on mysteries 2.0. <i>Histochemistry and Cell Biology</i> , 2018, 150, 443-471.	0.8	217
81	Failure is not an option – mitochondrial genome segregation in trypanosomes. <i>Journal of Cell Science</i> , 2018, 131, .	1.2	56
82	Spatial Separation of Mitochondrial Calcium Uptake and Extrusion for Energy-Efficient Mitochondrial Calcium Signaling in the Heart. <i>Cell Reports</i> , 2018, 24, 3099-3107.e4.	2.9	50
83	Insight into the fission mechanism by quantitative characterization of Drp1 protein distribution in the living cell. <i>Scientific Reports</i> , 2018, 8, 8122.	1.6	35
84	Mitochondrial maintenance under oxidative stress depends on mitochondrial but not nuclear β isoform of OGG1. <i>Journal of Cell Science</i> , 2018, 131, .	1.2	21
85	The impact of ER β action on muscle metabolism and insulin sensitivity – Strong enough for a man, made for a woman. <i>Molecular Metabolism</i> , 2018, 15, 20-34.	3.0	47
86	The mitochondria in lung fibrosis: friend or foe?. <i>Translational Research</i> , 2018, 202, 1-23.	2.2	38
87	Mitochondrial dynamics in adaptive and maladaptive cellular stress responses. <i>Nature Cell Biology</i> , 2018, 20, 755-765.	4.6	401
88	Mitochondrial DNA Transcription and Its Regulation: An Evolutionary Perspective. <i>Trends in Genetics</i> , 2018, 34, 682-692.	2.9	130
89	Here, there, and everywhere: The importance of ER membrane contact sites. <i>Science</i> , 2018, 361, .	6.0	471
90	Mitochondrial DNA replication in mammalian cells: overview of the pathway. <i>Essays in Biochemistry</i> , 2018, 62, 287-296.	2.1	120
91	Mitochondrial dynamics: overview of molecular mechanisms. <i>Essays in Biochemistry</i> , 2018, 62, 341-360.	2.1	795

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92	Mitochondrial genome variability: the effect on cellular functional activity. <i>Therapeutics and Clinical Risk Management</i> , 2018, Volume 14, 237-245.	0.9	7
93	Targeting Mitochondria to Counteract Age-Related Cellular Dysfunction. <i>Genes</i> , 2018, 9, 165.	1.0	40
94	Evidence for Compartmentalized Axonal Mitochondrial Biogenesis: Mitochondrial DNA Replication Increases in Distal Axons As an Early Response to Parkinson's Disease-Relevant Stress. <i>Journal of Neuroscience</i> , 2018, 38, 7505-7515.	1.7	51
95	Mitochondrial Tethers and Their Impact on Lifespan in Budding Yeast. <i>Frontiers in Cell and Developmental Biology</i> , 2017, 5, 120.	1.8	19
96	Sensing the Stress: A Role for the UPRmt and UPRam in the Quality Control of Mitochondria. <i>Frontiers in Cell and Developmental Biology</i> , 2018, 6, 31.	1.8	49
97	Plastic mitochondria-endoplasmic reticulum (ER) contacts use chaperones and tethers to mould their structure and signaling. <i>Current Opinion in Cell Biology</i> , 2018, 53, 61-69.	2.6	67
98	ATAD3 controls mitochondrial cristae structure, influencing mtDNA replication and cholesterol levels in muscle. <i>Journal of Cell Science</i> , 2018, 131, .	1.2	68
99	Structural basis of mitochondrial receptor binding and constriction by DRP1. <i>Nature</i> , 2018, 558, 401-405.	13.7	219
100	Mitochondrial plasticity in cell fate regulation. <i>Journal of Biological Chemistry</i> , 2019, 294, 13852-13863.	1.6	98
101	Metabolic implications of organelleâ€“mitochondria communication. <i>EMBO Reports</i> , 2019, 20, e47928.	2.0	94
102	IP3 receptor isoforms differently regulate ER-mitochondrial contacts and local calcium transfer. <i>Nature Communications</i> , 2019, 10, 3726.	5.8	187
103	DNA Replication in Human Mitochondria. <i>Biochemistry (Moscow)</i> , 2019, 84, 884-895.	0.7	7
104	A Novel Communication Pathway Between Lysosomes and Mitochondria Is Disrupted in Alzheimerâ€™s Disease. <i>Contact (Thousand Oaks (Ventura County, Calif))</i> , 2019, 2, 251525641986585.	0.4	1
105	MOTSâ€“: A Mitochondrialâ€“Encoded Regulator of the Nucleus. <i>BioEssays</i> , 2019, 41, e1900046.	1.2	19
106	Parkinsonism and spastic paraplegia type 7: Expanding the spectrum of mitochondrial Parkinsonism. <i>Movement Disorders</i> , 2019, 34, 1547-1561.	2.2	44
107	Apogossypol-mediated reorganisation of the endoplasmic reticulum antagonises mitochondrial fission and apoptosis. <i>Cell Death and Disease</i> , 2019, 10, 521.	2.7	8
108	Increased ERâ€“mitochondria tethering promotes axon regeneration. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019, 116, 16074-16079.	3.3	63
109	Dynamic of mitochondrial network, cristae, and mitochondrial nucleoids in pancreatic Î²-cells. <i>Mitochondrion</i> , 2019, 49, 245-258.	1.6	25

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110	Mitochondrial Network State Scales mtDNA Genetic Dynamics. <i>Genetics</i> , 2019, 212, 1429-1443.	1.2	46
111	The role of autophagy and mitophagy in cancers. <i>Archives of Physiology and Biochemistry</i> , 2022, 128, 281-289.	1.0	17
112	Mitochondria as hubs for regulating cellular biochemistry: emerging concepts and networks. <i>Open Biology</i> , 2019, 9, 190126.	1.5	69
113	Characterization of the C584R variant in the mtDNA depletion syndrome gene FBXL4, reveals a novel role for FBXL4 as a regulator of mitochondrial fusion. <i>Biochimica Et Biophysica Acta - Molecular Basis of Disease</i> , 2019, 1865, 165536.	1.8	25
114	Functional Interplay between Cristae Biogenesis, Mitochondrial Dynamics and Mitochondrial DNA Integrity. <i>International Journal of Molecular Sciences</i> , 2019, 20, 4311.	1.8	68
115	The Good and the Bad of Mitochondrial Breakups. <i>Trends in Cell Biology</i> , 2019, 29, 888-900.	3.6	122
116	MSTO1 mutations cause mtDNA depletion, manifesting as muscular dystrophy with cerebellar involvement. <i>Acta Neuropathologica</i> , 2019, 138, 1013-1031.	3.9	31
117	The Mitochondria-Endoplasmic Reticulum Contacts and Their Critical Role in Aging and Age-Associated Diseases. <i>Frontiers in Cell and Developmental Biology</i> , 2019, 7, 172.	1.8	105
118	Fascin Controls Metastatic Colonization and Mitochondrial Oxidative Phosphorylation by Remodeling Mitochondrial Actin Filaments. <i>Cell Reports</i> , 2019, 28, 2824-2836.e8.	2.9	54
119	Reticulon and CLIMP-63 regulate nanodomain organization of peripheral ER tubules. <i>PLoS Biology</i> , 2019, 17, e3000355.	2.6	39
120	ER-Mitochondria Communication in Cells of the Innate Immune System. <i>Cells</i> , 2019, 8, 1088.	1.8	38
121	The NLRP3 inflammasome - interleukin 1 pathway as a therapeutic target in gout. <i>Archives of Biochemistry and Biophysics</i> , 2019, 670, 82-93.	1.4	60
122	Coenzyme Q biosynthetic proteins assemble in a substrate-dependent manner into domains at ER-mitochondria contacts. <i>Journal of Cell Biology</i> , 2019, 218, 1353-1369.	2.3	69
123	Role of Mitochondria in the Regulation of Kidney Function and Metabolism in Type 2 Diabetes. , 2019, , 287-300.		0
124	Mitochondrial dynamics and their potential as a therapeutic target. <i>Mitochondrion</i> , 2019, 49, 269-283.	1.6	117
125	The R941L mutation in MYH14 disrupts mitochondrial fission and associates with peripheral neuropathy. <i>EBioMedicine</i> , 2019, 45, 379-392.	2.7	37
126	Mitochondrial fusion is required for regulation of mitochondrial DNA replication. <i>PLoS Genetics</i> , 2019, 15, e1008085.	1.5	116
127	Reshaping membranes to build mitochondrial DNA. <i>PLoS Genetics</i> , 2019, 15, e1008140.	1.5	6

#	ARTICLE	IF	CITATIONS
128	Role of GTPases in the regulation of mitochondrial dynamics in Parkinson's disease. <i>Experimental Cell Research</i> , 2019, 382, 111460.	1.2	5
129	Endoplasmic reticulum mitochondria contacts modulate apoptosis of renal cells and its implications in diabetic neuropathy. <i>EBioMedicine</i> , 2019, 44, 24-25.	2.7	4
130	Fluorescent Tools to Analyze Peroxisome-Endoplasmic Reticulum Interactions in Mammalian Cells. <i>Contact (Thousand Oaks (Ventura County, Calif))</i> , 2019, 2, 251525641984864.	0.4	13
131	Mitochondrial dysfunction in HIV-induced peripheral neuropathy. <i>International Review of Neurobiology</i> , 2019, 145, 67-82.	0.9	17
132	Mitochondrial DNA: Structure, Genetics, Replication and Defects. , 2019, , 127-152.		0
133	Mitochondrial DNA: Distribution, Mutations, and Elimination. <i>Cells</i> , 2019, 8, 379.	1.8	141
134	Proteolytic regulation of mitochondrial dynamics. <i>Mitochondrion</i> , 2019, 49, 289-304.	1.6	13
135	Regulation and Function of Mitochondria-Lysosome Membrane Contact Sites in Cellular Homeostasis. <i>Trends in Cell Biology</i> , 2019, 29, 500-513.	3.6	203
136	Coming together to define membrane contact sites. <i>Nature Communications</i> , 2019, 10, 1287.	5.8	435
137	Defective Phosphatidylglycerol Remodeling Causes Hepatopathy, Linking Mitochondrial Dysfunction to Hepatosteatosis. <i>Cellular and Molecular Gastroenterology and Hepatology</i> , 2019, 7, 763-781.	2.3	32
138	ATAD3A oligomerization causes neurodegeneration by coupling mitochondrial fragmentation and bioenergetics defects. <i>Nature Communications</i> , 2019, 10, 1371.	5.8	59
139	The Expanding and Unexpected Functions of Mitochondria Contact Sites. <i>Trends in Cell Biology</i> , 2019, 29, 580-590.	3.6	75
140	Pannexin 2 Localizes at ER-Mitochondria Contact Sites. <i>Cancers</i> , 2019, 11, 343.	1.7	18
141	Modulation of mitochondrial dysfunction for treatment of disease. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2019, 29, 1270-1277.	1.0	17
142	Lessons from the Discovery of Mitochondrial Fragmentation (Fission): A Review and Update. <i>Cells</i> , 2019, 8, 175.	1.8	65
143	Mitochondrial RNA granules are critically dependent on mtDNA replication factors Twinkle and mtSSB. <i>Nucleic Acids Research</i> , 2019, 47, 3680-3698.	6.5	53
144	Mitochondria: the panacea to improve oocyte quality?. <i>Annals of Translational Medicine</i> , 2019, 7, 789-789.	0.7	19
145	Condensin II protein dysfunction impacts mitochondrial respiration and stress response. <i>Journal of Cell Science</i> , 2019, 132, .	1.2	5

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146	Mitochondria, Metabolism, and Redox Mechanisms in Psychiatric Disorders. <i>Antioxidants and Redox Signaling</i> , 2019, 31, 275-317.	2.5	112
147	Ergosterol reduction impairs mitochondrial DNA maintenance in <i>S. cerevisiae</i> . <i>Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids</i> , 2019, 1864, 290-303.	1.2	26
148	Mitochondria-associated endoplasmic reticulum membranes in the heart. <i>Archives of Biochemistry and Biophysics</i> , 2019, 662, 201-212.	1.4	21
149	Lipin1 deficiency causes sarcoplasmic reticulum stress and chaperone-responsive myopathy. <i>EMBO Journal</i> , 2019, 38, .	3.5	34
150	The impact of exercise on mitochondrial dynamics and the role of Drp1 in exercise performance and training adaptations in skeletal muscle. <i>Molecular Metabolism</i> , 2019, 21, 51-67.	3.0	83
151	MITO-Tag Mice enable rapid isolation and multimodal profiling of mitochondria from specific cell types in vivo. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019, 116, 303-312.	3.3	80
152	Mitochondrial Morphofunction in Mammalian Cells. <i>Antioxidants and Redox Signaling</i> , 2019, 30, 2066-2109.	2.5	75
153	Mitochondrial proteostasis in the context of cellular and organismal health and aging. <i>Journal of Biological Chemistry</i> , 2019, 294, 5396-5407.	1.6	136
154	Mrx6 regulates mitochondrial DNA copy number in <i>Saccharomyces cerevisiae</i> by engaging the evolutionarily conserved Lon protease Pim1. <i>Molecular Biology of the Cell</i> , 2020, 31, 527-545.	0.9	22
155	Mitochondrial Dynamics and Its Involvement in Disease. <i>Annual Review of Pathology: Mechanisms of Disease</i> , 2020, 15, 235-259.	9.6	644
156	Unfolded protein response-mediated modulation of mesenchymal stem cells. <i>IUBMB Life</i> , 2020, 72, 187-197.	1.5	9
157	Impaired turnover of hyperfused mitochondria in severe axonal neuropathy due to a novel DRP1 mutation. <i>Human Molecular Genetics</i> , 2020, 29, 177-188.	1.4	30
158	Visualizing Mitochondrial Form and Function within the Cell. <i>Trends in Molecular Medicine</i> , 2020, 26, 58-70.	3.5	55
159	The functional universe of membrane contact sites. <i>Nature Reviews Molecular Cell Biology</i> , 2020, 21, 7-24.	16.1	386
160	The role of mitochondria-associated membranes in cellular homeostasis and diseases. <i>International Review of Cell and Molecular Biology</i> , 2020, 350, 119-196.	1.6	77
161	Mitochondrial division, fusion and degradation. <i>Journal of Biochemistry</i> , 2020, 167, 233-241.	0.9	40
162	Power to the daughters – mitochondrial and mtDNA transmission during cell division. <i>Biological Chemistry</i> , 2020, 401, 533-546.	1.2	6
163	Mitochondria-Associated Endoplasmic Reticulum Membranes in the Pathogenesis of Type 2 Diabetes Mellitus. <i>Frontiers in Cell and Developmental Biology</i> , 2020, 8, 571554.	1.8	27

#	ARTICLE	IF	CITATIONS
164	Visualizing, quantifying, and manipulating mitochondrial DNA in vivo. <i>Journal of Biological Chemistry</i> , 2020, 295, 17588-17601.	1.6	14
165	Molecular Perspectives of Mitochondrial Adaptations and Their Role in Cardiac Proteostasis. <i>Frontiers in Physiology</i> , 2020, 11, 1054.	1.3	5
166	Improved Split-GFP Systems for Visualizing Organelle Contact Sites in Yeast and Human Cells. <i>Frontiers in Cell and Developmental Biology</i> , 2020, 8, 571388.	1.8	15
167	The Functional Impact of Mitochondrial Structure Across Subcellular Scales. <i>Frontiers in Physiology</i> , 2020, 11, 541040.	1.3	120
168	Safeguarding mitochondrial genomes in higher eukaryotes. <i>Nature Structural and Molecular Biology</i> , 2020, 27, 687-695.	3.6	30
169	Molecular Basis of Mitochondrial and Peroxisomal Division Machineries. <i>International Journal of Molecular Sciences</i> , 2020, 21, 5452.	1.8	14
170	Maintaining social contacts: The physiological relevance of organelle interactions. <i>Biochimica Et Biophysica Acta - Molecular Cell Research</i> , 2020, 1867, 118800.	1.9	52
171	mtDNA replication, maintenance, and nucleoid organization. , 2020, , 3-33.		4
172	A connection in life and death: The BCL-2 family coordinates mitochondrial network dynamics and stem cell fate. <i>International Review of Cell and Molecular Biology</i> , 2020, 353, 255-284.	1.6	18
173	Solid-phase inclusion as a mechanism for regulating unfolded proteins in the mitochondrial matrix. <i>Science Advances</i> , 2020, 6, eabc7288.	4.7	9
174	Estrogen receptor β controls metabolism in white and brown adipocytes by regulating <i>Polg1</i> and mitochondrial remodeling. <i>Science Translational Medicine</i> , 2020, 12, .	5.8	64
175	Human mitochondrial transcription and translation. , 2020, , 35-70.		0
176	Mechanisms of onset and accumulation of mtDNA mutations. , 2020, , 195-219.		0
177	Palmitoylated CKAP4 regulates mitochondrial functions through an interaction with VDAC2 at ER-mitochondria contact sites. <i>Journal of Cell Science</i> , 2020, 133, .	1.2	23
178	Intimate Relations-Mitochondria and Ageing. <i>International Journal of Molecular Sciences</i> , 2020, 21, 7580.	1.8	20
179	Insight into human Miro1/2 domain organization based on the structure of its N-terminal GTPase. <i>Journal of Structural Biology</i> , 2020, 212, 107656.	1.3	17
180	The Maintenance of Mitochondrial DNA Integrity and Dynamics by Mitochondrial Membranes. <i>Life</i> , 2020, 10, 164.	1.1	46
181	ER-mitochondria contacts promote mtDNA nucleoids active transportation via mitochondrial dynamic tubulation. <i>Nature Communications</i> , 2020, 11, 4471.	5.8	58

#	ARTICLE	IF	CITATIONS
182	Reweaving the Fabric of Mitochondrial Contact Sites in Astrocytes. <i>Frontiers in Cell and Developmental Biology</i> , 2020, 8, 592651.	1.8	3
183	Drp1 Tubulates the ER in a GTPase-Independent Manner. <i>Molecular Cell</i> , 2020, 80, 621-632.e6.	4.5	35
184	Techniques for investigating mitochondrial gene expression. <i>BMB Reports</i> , 2020, 53, 3-9.	1.1	8
185	UGCG overexpression leads to increased glycolysis and increased oxidative phosphorylation of breast cancer cells. <i>Scientific Reports</i> , 2020, 10, 8182.	1.6	32
186	Generation and Release of Mitochondrial-Derived Vesicles in Health, Aging and Disease. <i>Journal of Clinical Medicine</i> , 2020, 9, 1440.	1.0	54
187	Mitochondria focused neurotherapeutics for spinal cord injury. <i>Experimental Neurology</i> , 2020, 330, 113332.	2.0	31
188	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
189	Regulation of Mammalian Mitochondrial Dynamics: Opportunities and Challenges. <i>Frontiers in Endocrinology</i> , 2020, 11, 374.	1.5	97
190	Endoplasmic Reticulumâ€“Mitochondria Contact Sites and Neurodegeneration. <i>Frontiers in Cell and Developmental Biology</i> , 2020, 8, 428.	1.8	43
191	Mitochondrial Inheritance in Phytopathogenic Fungiâ€“Everything Is Known, or Is It?. <i>International Journal of Molecular Sciences</i> , 2020, 21, 3883.	1.8	15
192	Is Mitochondrial Dysfunction a Common Root of Noncommunicable Chronic Diseases?. <i>Endocrine Reviews</i> , 2020, 41, .	8.9	76
193	Isolation of mitochondria-associated ER membranes. <i>Methods in Cell Biology</i> , 2020, 155, 33-44.	0.5	12
194	Inter-Organellar Membrane Contact Sites and Mitochondrial Quality Control during Aging: A Geroscience View. <i>Cells</i> , 2020, 9, 598.	1.8	23
195	Endoplasmic reticulumâ€“associated degradation regulates mitochondrial dynamics in brown adipocytes. <i>Science</i> , 2020, 368, 54-60.	6.0	107
196	Pathogenic Effect of GDAP1 Gene Mutations in a Yeast Model. <i>Genes</i> , 2020, 11, 310.	1.0	11
197	Interaction Between Mitochondrial DNA Variants and Mitochondria/Endoplasmic Reticulum Contact Sites: A Perspective Review. <i>DNA and Cell Biology</i> , 2020, 39, 1431-1443.	0.9	1
198	The Impact of Skeletal Muscle ER \updownarrow on Mitochondrial Function and Metabolic Health. <i>Endocrinology</i> , 2020, 161, .	1.4	32
199	Dysregulated Interorganellar Crosstalk of Mitochondria in the Pathogenesis of Parkinsonâ€™s Disease. <i>Cells</i> , 2020, 9, 233.	1.8	44

#	ARTICLE	IF	CITATIONS
200	Imaging Mitochondrial Functions: From Fluorescent Dyes to Genetically-Encoded Sensors. <i>Genes</i> , 2020, 11, 125.	1.0	27
201	Super-resolution fluorescence-assisted diffraction computational tomography reveals the three-dimensional landscape of the cellular organelle interactome. <i>Light: Science and Applications</i> , 2020, 9, 11.	7.7	82
202	Mitochondrial fission and fusion: A dynamic role in aging and potential target for age-related disease. <i>Mechanisms of Ageing and Development</i> , 2020, 186, 111212.	2.2	174
203	Misconnecting the dots: altered mitochondrial protein-protein interactions and their role in neurodegenerative disorders. <i>Expert Review of Proteomics</i> , 2020, 17, 119-136.	1.3	6
204	Molecular Characterization of New FBXL4 Mutations in Patients With mtDNA Depletion Syndrome. <i>Frontiers in Genetics</i> , 2019, 10, 1300.	1.1	7
205	Recurrent De Novo NAHR Reciprocal Duplications in the ATAD3 Gene Cluster Cause a Neurogenetic Trait with Perturbed Cholesterol and Mitochondrial Metabolism. <i>American Journal of Human Genetics</i> , 2020, 106, 272-279.	2.6	33
206	Altered Mitochondrial Dynamics in Motor Neuron Disease: An Emerging Perspective. <i>Cells</i> , 2020, 9, 1065.	1.8	50
207	Distinct Contributions of the Peroxisome-Mitochondria Fission Machinery During Sexual Development of the Fungus <i>Podospora anserina</i> . <i>Frontiers in Microbiology</i> , 2020, 11, 640.	1.5	11
208	Reciprocal Regulation of Mitochondrial Fission and Fusion. <i>Trends in Biochemical Sciences</i> , 2020, 45, 564-577.	3.7	132
209	A central role of the endoplasmic reticulum in the cell emerges from its functional contact sites with multiple organelles. <i>Cellular and Molecular Life Sciences</i> , 2020, 77, 4729-4745.	2.4	16
210	Mitochondrial ROS-Modulated mtDNA: A Potential Target for Cardiac Aging. <i>Oxidative Medicine and Cellular Longevity</i> , 2020, 2020, 1-11.	1.9	107
211	Better to keep in touch: investigating inter-organelle cross-talk. <i>FEBS Journal</i> , 2021, 288, 740-755.	2.2	13
212	Mitochondrial redox-driven mitofusin 2 S-glutathionylation promotes neuronal necroptosis via disrupting ER-mitochondria crosstalk in cadmium-induced neurotoxicity. <i>Chemosphere</i> , 2021, 262, 127878.	4.2	34
213	How does fascin promote cancer metastasis?. <i>FEBS Journal</i> , 2021, 288, 1434-1446.	2.2	38
214	ER \pm in the Control of Mitochondrial Function and Metabolic Health. <i>Trends in Molecular Medicine</i> , 2021, 27, 31-46.	3.5	15
215	The connection between the dynamic remodeling of the mitochondrial network and the regulation of muscle mass. <i>Cellular and Molecular Life Sciences</i> , 2021, 78, 1305-1328.	2.4	105
216	Mitofusin-2 in the Nucleus Accumbens Regulates Anxiety and Depression-like Behaviors Through Mitochondrial and Neuronal Actions. <i>Biological Psychiatry</i> , 2021, 89, 1033-1044.	0.7	55
217	Mitochondria-Associated Endoplasmic Reticulum Membranes in Breast Cancer. <i>Frontiers in Cell and Developmental Biology</i> , 2021, 9, 629669.	1.8	10

#	ARTICLE	IF	CITATIONS
220	ER Stress-Sensor Proteins and ER-Mitochondrial Crosstalkâ€”Signaling Beyond (ER) Stress Response. <i>Biomolecules</i> , 2021, 11, 173.	1.8	48
221	Mitochondrial fission is a critical modulator of mutant APP-induced neural toxicity. <i>Journal of Biological Chemistry</i> , 2021, 296, 100469.	1.6	12
222	Impaired mitochondrial dynamics in disease. , 2021, , 57-90.		0
223	Selfâ€”assembly of multiâ€”component mitochondrial nucleoids via phase separation. <i>EMBO Journal</i> , 2021, 40, e107165.	3.5	36
224	Function and regulation of the divisome for mitochondrial fission. <i>Nature</i> , 2021, 590, 57-66.	13.7	179
225	Intercellular mitochondrial transfer as a means of tissue revitalization. <i>Signal Transduction and Targeted Therapy</i> , 2021, 6, 65.	7.1	137
226	Dynamic properties of mitochondria during human corticogenesis. <i>Development (Cambridge)</i> , 2021, 148, .	1.2	13
227	Mind the Gap: Mitochondria and the Endoplasmic Reticulum in Neurodegenerative Diseases. <i>Biomedicine</i> , 2021, 9, 227.	1.4	25
228	Molecular Mechanisms behind Inherited Neurodegeneration of the Optic Nerve. <i>Biomolecules</i> , 2021, 11, 496.	1.8	10
230	Unraveling the Link Between Mitochondrial Dynamics and Neuroinflammation. <i>Frontiers in Immunology</i> , 2021, 12, 624919.	2.2	47
231	Mitochondria Associated Membranes (MAMs): Architecture and physiopathological role. <i>Cell Calcium</i> , 2021, 94, 102343.	1.1	64
232	Mitochondrial Fission Protein 1: Emerging Roles in Organellar Form and Function in Health and Disease. <i>Frontiers in Endocrinology</i> , 2021, 12, 660095.	1.5	59
233	Organelle dynamics of endothelial mitochondria in diabetic angiopathy. <i>European Journal of Pharmacology</i> , 2021, 895, 173865.	1.7	9
235	Convolutional neural networks predict mitochondrial structures from label-free microscopy images. , 2021, , .		2
236	Motor proteins at the mitochondriaâ€”cytoskeleton interface. <i>Journal of Cell Science</i> , 2021, 134, .	1.2	64
238	Mitochondrial membrane tension governs fission. <i>Cell Reports</i> , 2021, 35, 108947.	2.9	43
239	Quality control of the mitochondrion. <i>Developmental Cell</i> , 2021, 56, 881-905.	3.1	148
240	Mitochondrial quality control protects photoreceptors against oxidative stress in the H2O2-induced models of retinal degeneration diseases. <i>Cell Death and Disease</i> , 2021, 12, 413.	2.7	20

#	ARTICLE	IF	CITATIONS
241	The Complex Dance of Organelles during Mitochondrial Division. <i>Trends in Cell Biology</i> , 2021, 31, 241-253.	3.6	36
242	Oxygen tension modulates the mitochondrial genetic bottleneck and influences the segregation of a heteroplasmic mtDNA variant in vitro. <i>Communications Biology</i> , 2021, 4, 584.	2.0	7
243	Distinct fission signatures predict mitochondrial degradation or biogenesis. <i>Nature</i> , 2021, 593, 435-439.	13.7	323
244	Endoplasmic Reticulumâ€“Mitochondria Contact Sitesâ€”Emerging Intracellular Signaling Hubs. <i>Frontiers in Cell and Developmental Biology</i> , 2021, 9, 653828.	1.8	30
245	Three-dimensional ATUM-SEM reconstruction and analysis of hepatic endoplasmic reticulumâ€™organelle interactions. <i>Journal of Molecular Cell Biology</i> , 2021, 13, 636-645.	1.5	2
246	Excitation spectral microscopy for highly multiplexed fluorescence imaging and quantitative biosensing. <i>Light: Science and Applications</i> , 2021, 10, 97.	7.7	35
247	Extracellular mitochondria in the cerebrospinal fluid (CSF): Potential types and key roles in central nervous system (CNS) physiology and pathogenesis. <i>Mitochondrion</i> , 2021, 58, 255-269.	1.6	21
250	VPS13D interacts with VCP/p97 and negatively regulates ER- mitochondrial interactions. <i>Molecular Biology of the Cell</i> , 2021, 32, mbc.E21-03-0097.	0.9	14
251	Endoplasmic reticulumâ”mitochondria coupling increases during doxycycline-induced mitochondrial stress in HeLa cells. <i>Cell Death and Disease</i> , 2021, 12, 657.	2.7	16
253	Potential of Mitochondrial Genome Editing for Human Fertility Health. <i>Frontiers in Genetics</i> , 2021, 12, 673951.	1.1	5
254	A Continuous Addâ€™On Probe Reveals the Nonlinear Enlargement of Mitochondria in Lightâ€™Activated Oncosis. <i>Advanced Science</i> , 2021, 8, e2004566.	5.6	22
255	FAM134B-Mediated ER-Phagy in Mg ²⁺ -Free Solution-Induced Mitochondrial Calcium Homeostasis and Cell Death in Epileptic Hippocampal Neurons. <i>Neurochemical Research</i> , 2021, 46, 2485-2494.	1.6	12
257	Characterization of a novel variant in the HR1 domain of MFN2 in a patient with ataxia, optic atrophy and sensorineural hearing loss. <i>F1000Research</i> , 0, 10, 606.	0.8	3
258	Communications between Mitochondria and Endoplasmic Reticulum in the Regulation of Metabolic Homeostasis. <i>Cells</i> , 2021, 10, 2195.	1.8	17
259	Dynamic regulation of mitochondrial-endoplasmic reticulum crosstalk during stem cell homeostasis and aging. <i>Cell Death and Disease</i> , 2021, 12, 794.	2.7	6
260	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
261	Avoiding Extinction: Recent Advances in Understanding Mechanisms of Mitochondrial DNA Purifying Selection in the Germline. <i>Annual Review of Genomics and Human Genetics</i> , 2021, 22, 55-80.	2.5	6
262	Pathogenic DNMI1 Variant (1085G>A) Linked to Infantile Progressive Neurological Disorder: Evidence of Maternal Transmission by Germline Mosaicism and Influence of a Contemporary in cis Variant (1535T>C). <i>Genes</i> , 2021, 12, 1295.	1.0	4

#	ARTICLE	IF	CITATIONS
263	Mitochondrial Dynamics: A Potential Therapeutic Target for Ischemic Stroke. <i>Frontiers in Aging Neuroscience</i> , 2021, 13, 721428.	1.7	29
264	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
265	Controlling the topology of mammalian mitochondrial DNA. <i>Open Biology</i> , 2021, 11, 210168.	1.5	19
266	Novel Insight into the Potential Pathogenicity of Mitochondrial Dysfunction Resulting from PLP1 Duplication Mutations in Patients with Pelizaeus’s Merzbacher Disease. <i>Neuroscience</i> , 2021, 476, 60-71.	1.1	4
267	Recent advances in 1,8-naphthalimide-based small-molecule fluorescent probes for organelles imaging and tracking in living cells. <i>Coordination Chemistry Reviews</i> , 2021, 444, 214019.	9.5	66
268	TFAM knockdown-triggered mtDNA-nucleoid aggregation and a decrease in mtDNA copy number induce the reorganization of nucleoid populations and mitochondria-associated ER-membrane contacts. <i>Biochemistry and Biophysics Reports</i> , 2021, 28, 101142.	0.7	2
269	Mitochondrial connections with immune system in Zebrafish. <i>Fish and Shellfish Immunology Reports</i> , 2021, 2, 100019.	0.5	5
270	Signaling in the crowded cell. <i>Current Opinion in Structural Biology</i> , 2021, 71, 43-50.	2.6	8
271	Progression of kidney disease as a maladaptive response to injury. , 2022, , 213-220.		0
272	The ER-mitochondria Ca ²⁺ signaling in cancer progression: Fueling the monster. <i>International Review of Cell and Molecular Biology</i> , 2021, 363, 49-121.	1.6	15
273	Membrane organization Topography and Functions of Membrane Contact Sites. , 2021, , 821-837.		0
274	Mitochondria Dynamics: Definition, Players and Associated Disorders. , 2021, , 119-142.		0
275	Organelle size scaling over embryonic development. <i>Wiley Interdisciplinary Reviews: Developmental Biology</i> , 2020, 9, e376.	5.9	15
276	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
277	Advances Towards Therapeutic Approaches for mtDNA Disease. <i>Advances in Experimental Medicine and Biology</i> , 2019, 1158, 217-246.	0.8	5
278	The mitochondrial UPR: mechanisms, physiological functions and implications in ageing. <i>Nature Reviews Molecular Cell Biology</i> , 2018, 19, 109-120.	16.1	451
279	Mitochondrial RNA granules are fluid condensates positioned by membrane dynamics. <i>Nature Cell Biology</i> , 2020, 22, 1180-1186.	4.6	39
280	MICOS subcomplexes assemble independently on the mitochondrial inner membrane in proximity to ER contact sites. <i>Journal of Cell Biology</i> , 2020, 219, .	2.3	27

#	ARTICLE	IF	CITATIONS
281	Cross-talk between mitochondrial function, growth, and stress signalling pathways in plants. <i>Journal of Experimental Botany</i> , 2021, 72, 4102-4118.	2.4	20
289	Mitochondrial diseases: expanding the diagnosis in the era of genetic testing. , 2020, 4, 384-428.		11
290	Nutrient-induced Mitochondrial Activation (NiMA): A Novel Lysosome-to-Mitochondria Signaling Pathway Disrupted by Amyloid- Oligomers. <i>SSRN Electronic Journal</i> , 0, , .	0.4	1
291	Role of prostaglandin E2 receptor 4 in the modulation of apoptosis and mitophagy during ischemia/reperfusion injury in the kidney. <i>Molecular Medicine Reports</i> , 2019, 20, 3337-3346.	1.1	9
292	Miga-mediated endoplasmic reticulumâ€“mitochondria contact sites regulate neuronal homeostasis. <i>ELife</i> , 2020, 9, .	2.8	31
293	Subcellular Specialization of Mitochondrial Form and Function in Skeletal Muscle Cells. <i>Frontiers in Cell and Developmental Biology</i> , 2021, 9, 757305.	1.8	32
294	Progress on the Physiological Function of Mitochondrial DNA and Its Specific Detection and Therapy. <i>ChemBioChem</i> , 2022, 23, .	1.3	2
296	A preferred sequence for organelle inheritance during polarized cell growth. <i>Journal of Cell Science</i> , 2021, 134, .	1.2	8
305	Insights into the Pathogenesis of Neurodegenerative Diseases: Focus on Mitochondrial Dysfunction and Oxidative Stress. <i>International Journal of Molecular Sciences</i> , 2021, 22, 11847.	1.8	49
306	The mitochondrial network in Parkinson's disease. , 2020, , 123-138.		0
308	Structure and Function of the Mitochondrion. <i>Biological and Medical Physics Series</i> , 2020, , 141-161.	0.3	0
309	Lysosomes and Peroxisomes. <i>Biological and Medical Physics Series</i> , 2020, , 277-332.	0.3	1
310	Using Two-Dimensional Intact Mitochondrial DNA (mtDNA) Agarose Gel Electrophoresis (2D-IMAGE) to Detect Changes in Topology Associated with Mitochondrial Replication, Transcription, and Damage. <i>Methods in Molecular Biology</i> , 2020, 2119, 25-42.	0.4	2
311	Balancing life and death: BCLâ€“2 family members at diverse ERâ€“mitochondrial contact sites. <i>FEBS Journal</i> , 2022, 289, 7075-7112.	2.2	20
312	Just how many holesâ€“??. <i>Journal of General Physiology</i> , 2020, 152, .	0.9	1
313	Mitochondrial DNA in innate immune responses against infectious diseases. <i>Biochemical Society Transactions</i> , 2020, 48, 2823-2838.	1.6	5
316	Ubl4A is critical for mitochondrial fusion process under nutrient deprivation stress. <i>PLoS ONE</i> , 2020, 15, e0242700.	1.1	3
317	Mitochondrial Quality Control Strategies: Potential Therapeutic Targets for Neurodegenerative Diseases?. <i>Frontiers in Neuroscience</i> , 2021, 15, 746873.	1.4	17

#	ARTICLE	IF	CITATIONS
318	Mitochondrial TFAM as a Signaling Regulator between Cellular Organelles: A Perspective on Metabolic Diseases. <i>Diabetes and Metabolism Journal</i> , 2021, 45, 853-865.	1.8	16
319	Uncovering the important role of mitochondrial dynamics in oogenesis: impact on fertility and metabolic disorder transmission. <i>Biophysical Reviews</i> , 2021, 13, 967-981.	1.5	7
320	A new automated tool to quantify nucleoid distribution within mitochondrial networks. <i>Scientific Reports</i> , 2021, 11, 22755.	1.6	10
322	Monitoring and Modulating mtDNA G-Quadruplex Dynamics Reveal Its Close Relationship to Cell Glycolysis. <i>Journal of the American Chemical Society</i> , 2021, 143, 20779-20791.	6.6	45
323	Brain-derived autophagosome profiling reveals the engulfment of nucleoid-enriched mitochondrial fragments by basal autophagy in neurons. <i>Neuron</i> , 2022, 110, 967-976.e8.	3.8	43
324	Effect of blueberry extract on energetic metabolism, levels of brain-derived neurotrophic factor, and Ca ²⁺ -ATPase activity in the hippocampus and cerebral cortex of rats submitted to ketamine-induced mania-like behavior. <i>Metabolic Brain Disease</i> , 2022, 37, 835-847.	1.4	5
325	Cytoskeletal Protein Variants Driving Atrial Fibrillation: Potential Mechanisms of Action. <i>Cells</i> , 2022, 11, 416.	1.8	7
327	The Role of Endoplasmic Reticulum and Mitochondria in Maintaining Redox Status and Glycolytic Metabolism in Pluripotent Stem Cells. <i>Stem Cell Reviews and Reports</i> , 2022, 18, 1789-1808.	1.7	5
328	MIROs and DRP1 drive mitochondrial-derived vesicle biogenesis and promote quality control. <i>Nature Cell Biology</i> , 2021, 23, 1271-1286.	4.6	105
329	The relevance of organelle interactions in cellular senescence. <i>Theranostics</i> , 2022, 12, 2445-2464.	4.6	15
330	Mitochondrial Fragmentation in a High Homocysteine Environment in Diabetic Retinopathy. <i>Antioxidants</i> , 2022, 11, 365.	2.2	8
331	Autophagy deficiency abolishes liver mitochondrial DNA segregation. <i>Autophagy</i> , 2022, 18, 2397-2408.	4.3	6
332	Mitochondrial-derived vesicles in skeletal muscle remodeling and adaptation. <i>Seminars in Cell and Developmental Biology</i> , 2023, 143, 37-45.	2.3	10
333	The Role of Impaired Mitochondrial Dynamics in MFN2-Mediated Pathology. <i>Frontiers in Cell and Developmental Biology</i> , 2022, 10, 858286.	1.8	29
334	In situ cryo-electron tomography reveals local cellular machineries for axon branch development. <i>Journal of Cell Biology</i> , 2022, 221, .	2.3	15
335	ATAD3A oligomerization promotes neuropathology and cognitive deficits in Alzheimer's disease models. <i>Nature Communications</i> , 2022, 13, 1121.	5.8	24
336	Organelle transporters and inter-organelle communication as drivers of metabolic regulation and cellular homeostasis. <i>Molecular Metabolism</i> , 2022, 60, 101481.	3.0	29
337	Activation of endoplasmic reticulum-mitochondria coupling drives copper-induced autophagy in duck renal tubular epithelial cells. <i>Ecotoxicology and Environmental Safety</i> , 2022, 235, 113438.	2.9	22

#	ARTICLE	IF	CITATIONS
338	Ultrastructural and proteomic profiling of mitochondria-associated endoplasmic reticulum membranes reveal aging signatures in striated muscle. <i>Cell Death and Disease</i> , 2022, 13, 296.	2.7	13
339	Cancer/Testis Antigen 55 is required for cancer cell proliferation and mitochondrial DNA maintenance. <i>Mitochondrion</i> , 2022, 64, 19-26.	1.6	2
340	Mfn2 Regulates High Glucose-Induced MAMs Dysfunction and Apoptosis in Podocytes via PERK Pathway. <i>Frontiers in Cell and Developmental Biology</i> , 2021, 9, 769213.	1.8	33
341	DNA-Unresponsive Platinum(II) Complex Induces ERS-Mediated Mitophagy in Cancer Cells. <i>Journal of Medicinal Chemistry</i> , 2022, 65, 520-530.	2.9	27
342	New insights into the regulation of synaptic transmission and plasticity by the endoplasmic reticulum and its membrane contacts. <i>Proceedings of the Japan Academy Series B: Physical and Biological Sciences</i> , 2021, 97, 559-572.	1.6	3
344	Regulation of Mitochondrial Function by the Actin Cytoskeleton. <i>Frontiers in Cell and Developmental Biology</i> , 2021, 9, 795838.	1.8	28
345	The role of mitochondrial dynamics in mtDNA maintenance. <i>Journal of Cell Science</i> , 2021, 134, .	1.2	10
346	Mitochondrial DNA Transport in Drosophila Neurons. <i>Methods in Molecular Biology</i> , 2022, 2431, 409-416.	0.4	2
347	High-Resolution Imaging of Mitochondria and Mitochondrial Nucleoids in Differentiated SH-SY5Y Cells. <i>Methods in Molecular Biology</i> , 2022, 2431, 291-310.	0.4	2
348	Intercellular Transport of Mitochondria: Molecular Mechanisms and Role in Maintaining Energy Homeostasis in Tissues. <i>Cell and Tissue Biology</i> , 2022, 16, 97-113.	0.2	1
349	SOD1 mediates lysosome-to-mitochondria communication and its dysregulation by amyloid- β^2 oligomers. <i>Neurobiology of Disease</i> , 2022, 169, 105737.	2.1	7
350	What Is the Role of Mitochondrial Fission in Neurologic Disease?. <i>Neurology</i> , 2022, 98, 662-668.	1.5	1
371	The ER-Mitochondria Interface as a Dynamic Hub for T Cell Efficacy in Solid Tumors. <i>Frontiers in Cell and Developmental Biology</i> , 2022, 10, 867341.	1.8	4
372	Mitofusin 1 and 2 regulation of mitochondrial DNA content is a critical determinant of glucose homeostasis. <i>Nature Communications</i> , 2022, 13, 2340.	5.8	29
373	The role of mitochondrial fission in cardiovascular health and disease. <i>Nature Reviews Cardiology</i> , 2022, 19, 723-736.	6.1	62
375	Role of Mitochondrial Dynamics in Cocaine's Neurotoxicity. <i>International Journal of Molecular Sciences</i> , 2022, 23, 5418.	1.8	8
376	Novel roles of RTN4 and CLIMP-63 in regulating mitochondrial structure, bioenergetics and apoptosis. <i>Cell Death and Disease</i> , 2022, 13, 436.	2.7	7
377	Prognostic significance of dynamin-related protein 1 expression in advanced lung adenocarcinoma. <i>Pathology Research and Practice</i> , 2022, 234, 153931.	1.0	0

#	ARTICLE	IF	CITATIONS
378	Mitochondrial transfer/transplantation: an emerging therapeutic approach for multiple diseases. <i>Cell and Bioscience</i> , 2022, 12, 66.	2.1	60
381	AKAP1 contributes to impaired mtDNA replication and mitochondrial dysfunction in podocytes of diabetic kidney disease. <i>International Journal of Biological Sciences</i> , 2022, 18, 4026-4042.	2.6	8
382	A mitochondrial contribution to anti-inflammatory shear stress signaling in vascular endothelial cells. <i>Journal of Cell Biology</i> , 2022, 221, .	2.3	23
383	Fission Impossible (?)â€”New Insights into Disorders of Peroxisome Dynamics. <i>Cells</i> , 2022, 11, 1922.	1.8	5
384	Mitochondrial Membranes and Mitochondrial Genome: Interactions and Clinical Syndromes. <i>Membranes</i> , 2022, 12, 625.	1.4	2
385	Mitochondria as Cellular and Organismal Signaling Hubs. <i>Annual Review of Cell and Developmental Biology</i> , 2022, 38, 179-218.	4.0	52
386	Mitohormesis and mitochondrial dynamics in the regulation of stem cell fate. <i>Journal of Cellular Physiology</i> , 2022, 237, 3435-3448.	2.0	4
387	Mitochondrial adaptation in cancer drug resistance: prevalence, mechanisms, and management. <i>Journal of Hematology and Oncology</i> , 2022, 15, .	6.9	53
388	Light-activated mitochondrial fission through optogenetic control of mitochondria-lysosome contacts. <i>Nature Communications</i> , 2022, 13, .	5.8	25
390	In vivo Realization of Dual Photodynamic and Photothermal Therapy for Melanoma by Mitochondria Targeting Dinuclear Ruthenium Complexes under Civil Infrared Lowâ€”power Laser. <i>Angewandte Chemie</i> , 2022, 134, .	1.6	3
391	Endoplasmic Reticulum Architecture and Inter-Organelle Communication in Metabolic Health and Disease. <i>Cold Spring Harbor Perspectives in Biology</i> , 2023, 15, a041261.	2.3	9
392	Mitofusin 2 Integrates Mitochondrial Network Remodelling, Mitophagy and Renewal of Respiratory Chain Proteins in Neurons after Oxygen and Glucose Deprivation. <i>Molecular Neurobiology</i> , 2022, 59, 6502-6518.	1.9	6
393	In vivo Realization of Dual Photodynamic and Photothermal Therapy for Melanoma by Mitochondria Targeting Dinuclear Ruthenium Complexes under Civil Infrared Lowâ€”power Laser. <i>Angewandte Chemie - International Edition</i> , 2022, 61, .	7.2	18
394	ER as master regulator of membrane trafficking and organelle function. <i>Journal of Cell Biology</i> , 2022, 221, .	2.3	31
395	Metabolic Regulation of Mitochondrial Dynamics and Cardiac Function. , 2022, , 197-211.		0
396	Long COVID-19 and the Heart: Is Cardiac Mitochondria the Missing Link?. <i>Antioxidants and Redox Signaling</i> , 0, , .	2.5	6
397	DarT-mediated mtDNA damage induces dynamic reorganization and selective segregation of mitochondria. <i>Journal of Cell Biology</i> , 2022, 221, .	2.3	4
400	Characterization of a novel variant in the HR1 domain of MFN2 in a patient with ataxia, optic atrophy and sensorineural hearing loss. <i>F1000Research</i> , 0, 10, 606.	0.8	1

#	ARTICLE	IF	CITATIONS
401	Life in lockdown: Orchestrating endoplasmic reticulum and lysosome homeostasis for quiescent cells. <i>Molecular Cell</i> , 2022, 82, 3526-3537.	4.5	2
402	Independent regulation of mitochondrial DNA quantity and quality in <i>Caenorhabditis elegans</i> primordial germ cells. <i>ELife</i> , 0, 11, .	2.8	8
403	Mitochondria from the Outside in: The Relationship Between Inter-Organelle Crosstalk and Mitochondrial Internal Organization. <i>Contact (Thousand Oaks (Ventura County, Calif))</i> , 2022, 5, 251525642211332.	0.4	4
405	Fundamental roles for inter-organelle communication in aging. <i>Biochemical Society Transactions</i> , 2022, 50, 1389-1402.	1.6	4
406	Resistin impairs mitochondrial homeostasis via cyclase-associated protein 1-mediated fission, leading to obesity-induced metabolic diseases. <i>Metabolism: Clinical and Experimental</i> , 2023, 138, 155343.	1.5	6
407	Mitochondrial nucleoid trafficking regulated by the inner-membrane AAA-ATPase ATAD3A modulates respiratory complex formation. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2022, 119, .	3.3	14
408	The metabolism and function of phospholipids in Mitochondria. , 2023, 1, 2-12.		8
409	Mitochondrial dysfunction, aging, and the mitochondrial unfolded protein response in <i>Caenorhabditis elegans</i> . <i>Genetics</i> , 2022, 222, .	1.2	9
410	Mitochondrial Fission Process 1 controls inner membrane integrity and protects against heart failure. <i>Nature Communications</i> , 2022, 13, .	5.8	9
411	Mitochondria as a toxicological target for fungicides. , 2023, , 493-526.		0
412	The role of Mitochondrial Fission Proteins in Mitochondrial Dynamics in Kidney Disease. <i>International Journal of Molecular Sciences</i> , 2022, 23, 14725.	1.8	15
413	Mitochondria-associated niches in health and disease. <i>Journal of Cell Science</i> , 2022, 135, .	1.2	1
414	Modulation of the Inflammatory Response in Polycystic Ovary Syndrome (PCOS)â€”Searching for Epigenetic Factors. <i>International Journal of Molecular Sciences</i> , 2022, 23, 14663.	1.8	16
415	Perspectives on mitochondrial relevance in cardiac ischemia/reperfusion injury. <i>Frontiers in Cell and Developmental Biology</i> , 0, 10, .	1.8	16
417	Endosomal lipid signaling reshapes the endoplasmic reticulum to control mitochondrial function. <i>Science</i> , 2022, 378, .	6.0	22
418	Mitochondrial signalling and homeostasis: from cell biology to neurological disease. <i>Trends in Neurosciences</i> , 2023, 46, 137-152.	4.2	29
419	Peanut AhmTERF1 Regulates Root Growth by Modulating Mitochondrial Abundance. <i>Genes</i> , 2023, 14, 209.	1.0	0
420	Mitochondrial genome recovery by ATFS-1 is essential for development after starvation. <i>Cell Reports</i> , 2022, 41, 111875.	2.9	2

#	ARTICLE	IF	CITATIONS
421	Advances in Human Mitochondria-Based Therapies. <i>International Journal of Molecular Sciences</i> , 2023, 24, 608.	1.8	6
422	An AAA-ATPase links mitochondrial division with DNA nucleoids. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2022, 119, .	3.3	0
425	VAP-A intrinsically disordered regions enable versatile tethering at membrane contact sites. <i>Developmental Cell</i> , 2023, 58, 121-138.e9.	3.1	14
426	Comprehensive Analysis of Mitochondrial Dynamics Alterations in Heart Diseases. <i>International Journal of Molecular Sciences</i> , 2023, 24, 3414.	1.8	7
427	A Concerted Redox and Light Activated Agent for Controlled Multimodal Therapy against Hypoxic Cancer Cells. <i>Advanced Materials</i> , 2023, 35, .	11.1	8
428	The key role of proteostasis at mitochondria-associated endoplasmic reticulum membrane in vanadium-induced nephrotoxicity using a proteomic strategy. <i>Science of the Total Environment</i> , 2023, 869, 161741.	3.9	25
429	A novel fluorescent endoplasmic reticulum marker for super-resolution imaging in live cells. <i>FEBS Letters</i> , 2023, 597, 693-701.	1.3	2
430	Acquired disorders of mitochondrial metabolism and dynamics in pulmonary arterial hypertension. <i>Frontiers in Cell and Developmental Biology</i> , 0, 11, .	1.8	4
431	Synergistic mechanism between the endoplasmic reticulum and mitochondria and their crosstalk with other organelles. <i>Cell Death Discovery</i> , 2023, 9, .	2.0	7
432	Mitochondria-associated endoplasmic reticulum membranes promote mitochondrial fission through AKAP1-Drp1 pathway in podocytes under high glucose conditions. <i>Experimental Cell Research</i> , 2023, 424, 113512.	1.2	5
433	DRP1 mutations associated with EMPF1 encephalopathy alter mitochondrial membrane potential and metabolic programs. <i>Journal of Cell Science</i> , 2023, 136, .	1.2	8
434	m6A methylation-induced NR1D1 ablation disrupts the HSC circadian clock and promotes hepatic fibrosis. <i>Pharmacological Research</i> , 2023, 189, 106704.	3.1	2
435	Chemical inhibition of mitochondrial fission via targeting the DRP1-receptor interaction. <i>Cell Chemical Biology</i> , 2023, 30, 278-294.e11.	2.5	3
436	Mitochondrial stress and aging: Lessons from <i>C. elegans</i> . <i>Seminars in Cell and Developmental Biology</i> , 2024, 154, 69-76.	2.3	3
437	Visualize the Distribution and Dynamics of Mitochondrial DNA (mtDNA) Nucleoids with Multiple Labeling Strategies. <i>Methods in Molecular Biology</i> , 2023, , 79-88.	0.4	0
438	In Situ Analysis of Mitochondrial DNA Synthesis Using Metabolic Labeling Coupled to Fluorescence Microscopy. <i>Methods in Molecular Biology</i> , 2023, , 99-106.	0.4	0
439	Determinants and outcomes of mitochondrial dynamics. <i>Molecular Cell</i> , 2023, 83, 857-876.	4.5	36
440	Spastic Paraplegia Type 7 (SPG7). , 2023, , 691-695.		0

#	ARTICLE	IF	CITATIONS
441	Mitochondrial Dynamics: Working with the Cytoskeleton and Intracellular Organelles to Mediate Mechanotransduction. , 2023, .		1
442	Mitochondrial DNA Release in Innate Immune Signaling. Annual Review of Biochemistry, 2023, 92, 299-332.	5.0	21
444	è¶...â^tè3/4"æ~3/4â3/4 @æ^âfæšæœ~âœ"ç»tèfžâ™"ç,âº"â1/2œç"ç"ç©¶ä,çš,,âº"ç"1/4^ç%1é,€1/4%。 Hongwai Yu Jiguan Gongcheng/Infra		
445	Mitochondrial Dynamics as Potential Modulators of Hormonal Therapy Effectiveness in Males. Biology, 2023, 12, 547.	1.3	1
446	Possible frequent multiple mitochondrial DNA copies in a single nucleoid in HeLa cells. Scientific Reports, 2023, 13, .	1.6	1
447	Pathogen vacuole membrane contact sites â€“ close encounters of the fifth kind. MicroLife, 2023, 4, .	1.0	5
448	Mitochondrial Inheritance Following Nuclear Transfer: From Cloned Animals to Patients with Mitochondrial Disease. Methods in Molecular Biology, 2023, , 83-104.	0.4	1
449	Epigenetic regulation of chondrocytes affected by mitochondria through mechanotransduction in osteoarthritis. Medicine in Novel Technology and Devices, 2023, 18, 100230.	0.9	0
451	The multiple links between actin and mitochondria. Nature Reviews Molecular Cell Biology, 2023, 24, 651-667.	16.1	8