

CITATION REPORT

List of articles citing

Automatic morphological subtyping reveals new roles of caspases in mitochondrial dynamics

DOI: 10.1371/journal.pcbi.1002212
PLoS Computational Biology, 2011, 7, e1002212.

Source: <https://exaly.com/paper-pdf/52229019/citation-report.pdf>

Version: 2024-04-28

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

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

#	Paper	IF	Citations
99	Mitochondrial network in gliomaS invadopodia displays an activated state both in situ and in vitro: potential functional implications. <i>Ultrastructural Pathology</i> , 2012 , 36, 409-14	1.3	23
98	Ranking of multidimensional drug profiling data by fractional-adjusted bi-partitional scores. <i>Bioinformatics</i> , 2012 , 28, i106-14	7.2	9
97	Motility of astrocytic mitochondria is arrested by Ca ²⁺ -dependent interaction between mitochondria and actin filaments. <i>Cell Calcium</i> , 2013 , 53, 85-93	4	17
96	Protoporphyrin IX accumulation disrupts mitochondrial dynamics and function in ABCG2-deficient hepatocytes. <i>FEBS Letters</i> , 2013 , 587, 3202-9	3.8	19
95	From structure to function: mitochondrial morphology, motion and shaping in vascular smooth muscle. <i>Journal of Vascular Research</i> , 2013 , 50, 357-71	1.9	79
94	Suppressor of cytokine signaling 6 (SOCS6) promotes mitochondrial fission via regulating DRP1 translocation. <i>Cell Death and Differentiation</i> , 2013 , 20, 139-53	12.7	45
93	Mitochondrial morphological features are associated with fission and fusion events. <i>PLoS ONE</i> , 2014 , 9, e95265	3.7	65
92	RNAi-mediated inhibition of apoptosis fails to prevent cationic nanoparticle-induced cell death in cultured cells. <i>Nanomedicine</i> , 2014 , 9, 1651-64	5.6	12
91	. 2014 ,		
90	Flicker-assisted localization microscopy reveals altered mitochondrial architecture in hypertension. <i>Scientific Reports</i> , 2015 , 5, 16875	4.9	12
89	Quantifying small molecule phenotypic effects using mitochondrial morpho-functional fingerprinting and machine learning. <i>Scientific Reports</i> , 2015 , 5, 8035	4.9	32
88	Toward high-content screening of mitochondrial morphology and membrane potential in living cells. <i>International Journal of Biochemistry and Cell Biology</i> , 2015 , 63, 66-70	5.6	21
87	Metabolic reprogramming orchestrates cancer stem cell properties in nasopharyngeal carcinoma. <i>Cell Cycle</i> , 2015 , 14, 86-98	4.7	121
86	MitoLoc: A method for the simultaneous quantification of mitochondrial network morphology and membrane potential in single cells. <i>Mitochondrion</i> , 2015 , 24, 77-86	4.9	49
85	Synergistic protection of N-acetylcysteine and ascorbic acid 2-phosphate on human mesenchymal stem cells against mitoptosis, necroptosis and apoptosis. <i>Scientific Reports</i> , 2015 , 5, 9819	4.9	42
84	Quantitative analysis of mitochondrial morphology and membrane potential in living cells using high-content imaging, machine learning, and morphological binning. <i>Biochimica Et Biophysica Acta - Molecular Cell Research</i> , 2015 , 1853, 348-60	4.9	84
83	Computational imaging reveals mitochondrial morphology as a biomarker of cancer phenotype and drug response. <i>Scientific Reports</i> , 2016 , 6, 32985	4.9	34

82	Impaired ROS Scavenging System in Human Induced Pluripotent Stem Cells Generated from Patients with MERRF Syndrome. <i>Scientific Reports</i> , 2016 , 6, 23661	4.9	25
81	Age decreases mitochondrial motility and increases mitochondrial size in vascular smooth muscle. <i>Journal of Physiology</i> , 2016 , 594, 4283-95	3.9	20
80	Multiplexed high-content analysis of mitochondrial morphofunction using live-cell microscopy. <i>Nature Protocols</i> , 2016 , 11, 1693-710	18.8	50
79	Far-infrared radiation protects viability in a cell model of Spinocerebellar Ataxia by preventing polyQ protein accumulation and improving mitochondrial function. <i>Scientific Reports</i> , 2016 , 6, 30436	4.9	17
78	Analysis of mitochondrial structure and function in the Drosophila larval musculature. <i>Mitochondrion</i> , 2016 , 26, 33-42	4.9	12
77	Fully automated software for quantitative measurements of mitochondrial morphology. <i>Mitochondrion</i> , 2016 , 26, 58-71	4.9	11
76	Connecting mitochondrial dynamics and life-or-death events via Bcl-2 family proteins. <i>Neurochemistry International</i> , 2017 , 109, 141-161	4.4	49
75	Reversible Disruption of Neuronal Mitochondria by Ischemic and Traumatic Injury Revealed by Quantitative Two-Photon Imaging in the Neocortex of Anesthetized Mice. <i>Journal of Neuroscience</i> , 2017 , 37, 333-348	6.6	32
74	DHEA protects mitochondria against dual modes of apoptosis and necroptosis in human granulosa HO23 cells. <i>Reproduction</i> , 2017 , 154, 101-110	3.8	21
73	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	4.9	33
72	CHAC1 degradation of glutathione enhances cystine-starvation-induced necroptosis and ferroptosis in human triple negative breast cancer cells via the GCN2-eIF2 β -ATF4 pathway. <i>Oncotarget</i> , 2017 , 8, 114588-114602	3.3	106
71	Enhancement of Mitochondrial Transfer by Antioxidants in Human Mesenchymal Stem Cells. <i>Oxidative Medicine and Cellular Longevity</i> , 2017 , 2017, 8510805	6.7	32
70	Methods for imaging mammalian mitochondrial morphology: A prospective on MitoGraph. <i>Analytical Biochemistry</i> , 2018 , 552, 81-99	3.1	34
69	Mitochondrial network complexity emerges from fission/fusion dynamics. <i>Scientific Reports</i> , 2018 , 8, 363	4.9	42
68	GLUT10 maintains the integrity of major arteries through regulation of redox homeostasis and mitochondrial function. <i>Human Molecular Genetics</i> , 2018 , 27, 307-321	5.6	11
67	Subcellular Localization and Functional Characterization of GII.4 Norovirus-Encoded NTPase. <i>Journal of Virology</i> , 2018 , 92,	6.6	11
66	Laminar shear stress promotes mitochondrial homeostasis in endothelial cells. <i>Journal of Cellular Physiology</i> , 2018 , 233, 5058-5069	7	16
65	Morphology-based prediction of cancer cell migration using an artificial neural network and a random decision forest. <i>Integrative Biology (United Kingdom)</i> , 2018 , 10, 758-767	3.7	11

64	Characterizing robustness and sensitivity of convolutional neural networks for quantitative analysis of mitochondrial morphology. <i>Quantitative Biology</i> , 2018 , 6, 344-358	3.9	4
63	Deep Analysis of Mitochondria and Cell Health Using Machine Learning. <i>Scientific Reports</i> , 2018 , 8, 16354	4.9	20
62	Dehydroepiandrosterone Ameliorates Abnormal Mitochondrial Dynamics and Mitophagy of Cumulus Cells in Poor Ovarian Responders. <i>Journal of Clinical Medicine</i> , 2018 , 7,	5.1	13
61	Constitutive regulation of mitochondrial morphology by Aurora A kinase depends on a predicted cryptic targeting sequence at the N-terminus. <i>Open Biology</i> , 2018 , 8,	7	14
60	Combination of resveratrol and 5-azacytidine improves osteogenesis of metabolic syndrome mesenchymal stem cells. <i>Journal of Cellular and Molecular Medicine</i> , 2018 , 22, 4771-4793	5.6	15
59	Eradication of unresectable liver metastasis through induction of tumour specific energy depletion. <i>Nature Communications</i> , 2019 , 10, 3051	17.4	33
58	Mitochondrial fragmentation and network architecture in degenerative diseases. <i>PLoS ONE</i> , 2019 , 14, e0223014	3.7	14
57	Mitochondrial transplantation regulates antitumour activity, chemoresistance and mitochondrial dynamics in breast cancer. <i>Journal of Experimental and Clinical Cancer Research</i> , 2019 , 38, 30	12.8	55
56	Mitochondrial Transfer of Wharton's Jelly Mesenchymal Stem Cells Eliminates Mutation Burden and Rescues Mitochondrial Bioenergetics in Rotenone-Stressed MELAS Fibroblasts. <i>Oxidative Medicine and Cellular Longevity</i> , 2019 , 2019, 9537504	6.7	16
55	Parkinson's disease-associated LRRK2-G2019S mutant acts through regulation of SERCA activity to control ER stress in astrocytes. <i>Acta Neuropathologica Communications</i> , 2019 , 7, 68	7.3	34
54	3D Imaging of Tapetal Mitochondria Suggests the Importance of Mitochondrial Fission in Pollen Growth. <i>Plant Physiology</i> , 2019 , 180, 813-826	6.6	9
53	The Shape of Mitochondrial Dysfunction in Down Syndrome. <i>Developmental Neurobiology</i> , 2019 , 79, 613-621	6.21	8
52	Morphological control of mitochondria as the novel mechanism of <i>Gastrodia elata</i> in attenuating mutant huntingtin-induced protein aggregations. <i>Phytomedicine</i> , 2019 , 59, 152756	6.5	4
51	Mitochondrial ATP production provides long-range control of endothelial inositol trisphosphate-evoked calcium signaling. <i>Journal of Biological Chemistry</i> , 2019 , 294, 737-758	5.4	24
50	Gas7 knockout affects PINK1 expression and mitochondrial dynamics in mouse cortical neurons. <i>FASEB BioAdvances</i> , 2020 , 2, 166-181	2.8	4
49	Irisin Mitigates Oxidative Stress, Chondrocyte Dysfunction and Osteoarthritis Development through Regulating Mitochondrial Integrity and Autophagy. <i>Antioxidants</i> , 2020 , 9,	7.1	21
48	Mitochondrial Transfer by Human Mesenchymal Stromal Cells Ameliorates Hepatocyte Lipid Load in a Mouse Model of NASH. <i>Biomedicine</i> , 2020 , 8,	4.8	10
47	Mito Hacker: a set of tools to enable high-throughput analysis of mitochondrial network morphology. <i>Scientific Reports</i> , 2020 , 10, 18941	4.9	4

46	AURKA destruction is decoupled from its activity at mitotic exit but is essential to suppress interphase activity. <i>Journal of Cell Science</i> , 2020 , 133,	5.3	10
45	Combining Bioinformatics and Experiments to Identify as a Key Regulator in Senescent Granulosa Cells. <i>Diagnostics</i> , 2020 , 10,	3.8	9
44	APOL1 C-Terminal Variants May Trigger Kidney Disease through Interference with APOL3 Control of Actomyosin. <i>Cell Reports</i> , 2020 , 30, 3821-3836.e13	10.6	25
43	Brain-derived neurotrophic factor modulates mitochondrial dynamics and thermogenic phenotype on 3T3-L1 adipocytes. <i>Tissue and Cell</i> , 2020 , 66, 101388	2.7	3
42	BRCA1 Deficiency Impairs Mitophagy and Promotes Inflammasome Activation and Mammary Tumor Metastasis. <i>Advanced Science</i> , 2020 , 7, 1903616	13.6	22
41	Rosmarinic Acid as a Candidate in a Phenotypic Profiling Cardio-/Cytotoxicity Cell Model Induced by Doxorubicin. <i>Molecules</i> , 2020 , 25,	4.8	3
40	ApoE4 Impairs Neuron-Astrocyte Coupling of Fatty Acid Metabolism. <i>Cell Reports</i> , 2021 , 34, 108572	10.6	33
39	Combined cell and nanoparticle models for TOPAS to study radiation dose enhancement in cell organelles. <i>Scientific Reports</i> , 2021 , 11, 6721	4.9	0
38	Clinical Implications of HBV PreS/S Mutations and the Effects of PreS2 Deletion on Mitochondria, Liver Fibrosis, and Cancer Development. <i>Hepatology</i> , 2021 , 74, 641-655	11.2	6
37	Selective targeting of non-centrosomal AURKA functions through use of a targeted protein degradation tool. <i>Communications Biology</i> , 2021 , 4, 640	6.7	7
36	CFTR chloride channel activity modulates the mitochondrial morphology in cultured epithelial cells. <i>International Journal of Biochemistry and Cell Biology</i> , 2021 , 135, 105976	5.6	1
35	Critical requirement of SOS1 RAS-GEF function for mitochondrial dynamics, metabolism, and redox homeostasis. <i>Oncogene</i> , 2021 , 40, 4538-4551	9.2	2
34	A hitchhiker's guide to mitochondrial quantification. <i>Mitochondrion</i> , 2021 , 59, 216-224	4.9	5
33	Development of a 2D Automated Tracking System to Characterize Golgi-Derived Membrane Tubule Fission and Fusion Dynamics. <i>Journal of Medical and Biological Engineering</i> , 1	2.2	
32	Quantification of Mitochondrial Network Characteristics in Health and Disease. <i>Advances in Experimental Medicine and Biology</i> , 2019 , 1158, 183-196	3.6	3
31	Getting around the cell: physical transport in the intracellular world. <i>Physical Biology</i> , 2020 , 17, 061003	3	15
30	Selective targeting of non-centrosomal AURKA functions through use of a targeted protein degradation tool.		1
29	A novel algorithm identifies stress-induced alterations in mitochondrial connectivity and inner membrane structure from confocal images. <i>PLoS Computational Biology</i> , 2017 , 13, e1005612	5	21

28	An improved quantitative approach for the assessment of mitochondrial fragmentation in chemoresistant ovarian cancer cells. <i>PLoS ONE</i> , 2013 , 8, e74008	3.7	27
27	Poly(ADP-ribose)polymerases inhibitors prevent early mitochondrial fragmentation and hepatocyte cell death induced by H ₂ O ₂ . <i>PLoS ONE</i> , 2017 , 12, e0187130	3.7	8
26	Morphological Dynamics of Mitochondria in Bovine Aortic Endothelial Cell under Cyclic Stretch. <i>Advanced Biomedical Engineering</i> , 2015 , 4, 60-66	0.7	2
25	The FUS gene is dual-coding with both proteins contributing to FUS-mediated toxicity. <i>EMBO Reports</i> , 2021 , 22, e50640	6.5	11
24	Protein-bound uremic toxins impaired mitochondrial dynamics and functions. <i>Oncotarget</i> , 2017 , 8, 77722-77733	5.3	3
23	The ubiquitous role of mitochondria in Parkinson and other neurodegenerative diseases. <i>AIMS Neuroscience</i> , 2020 , 7, 43-65	1.7	9
22	Muscle-generated BDNF (brain derived neurotrophic factor) maintains mitochondrial quality control in female mice. <i>Autophagy</i> , 2021 , 1-18	10.2	3
21	Mitochondrial stress adaptation promotes resistance to aromatase inhibitor in human breast cancer cells via ROS/calcium up-regulated amphiregulin-estrogen receptor loop signaling. <i>Cancer Letters</i> , 2021 , 523, 82-99	9.9	4
20	Regulation of mitochondrial dynamics by Aurora A kinase.		
19	Mitochondrial Function and Neurodegenerative Diseases. 2018 , 369-414		1
18	AURKA destruction is decoupled from its activity at mitotic exit but suppresses interphase activity.		
17	Flower-Like Molybdenum Disulfide Nanostructures for Promoting Mitochondrial Homeostasis and Attenuating Inflammatory Endothelial Dysfunction. <i>ACS Applied Nano Materials</i> ,	5.6	
16	Hydrogen Sulfide Modulates the S-Nitrosoproteome and the Mitochondrial Morphology in Endothelial Cells. <i>Acta Cardiologica Sinica</i> , 2016 , 32, 604-611	1.1	
15	2D-GolgiTrack-a semi-automated tracking system to quantify morphological changes and dynamics of the Golgi apparatus and Golgi-derived membrane tubules. <i>Medical and Biological Engineering and Computing</i> , 2021 , 1	3.1	1
14	Phosphoglycerate mutase family member 5 maintains oocyte quality via mitochondrial dynamic rearrangement during aging.. <i>Aging Cell</i> , 2022 , e13546	9.9	2
13	Mitochondrial structure and function adaptation in residual triple negative breast cancer cells surviving chemotherapy treatment.		0
12	Obesity affects mitochondrial metabolism and proliferative potential of equine endometrial progenitor cells.		
11	Obesity Affects the Proliferative Potential of Equine Endometrial Progenitor Cells and Modulates Their Molecular Phenotype Associated with Mitochondrial Metabolism.. <i>Cells</i> , 2022 , 11,	7.9	1

10	High-content high-throughput imaging reveals distinct connections between mitochondrial morphology and functionality for OXPHOS complex I, III, and V inhibitors.. <i>Cell Biology and Toxicology</i> , 2022 , 1	7.4	○
9	Event-driven acquisition for content-enriched microscopy.		1
8	Effects of Noonan Syndrome-Germline Mutations on Mitochondria and Energy Metabolism. 2022 , 11, 3099		1
7	Universal dynamics of mitochondrial networks: a finite-size scaling analysis. 2022 , 12,		○
6	The PTP1B selective inhibitor MSI-1436 mitigates Tunicamycin-induced ER stress in human hepatocarcinoma cell line through XBP1 splicing modulation. 2023 , 18, e0278566		○
5	Machine learning based classification of mitochondrial morphologies from fluorescence microscopy images of <i>Toxoplasma gondii</i> cysts. 2023 , 18, e0280746		○
4	Mitochondrial structure and function adaptation in residual triple negative breast cancer cells surviving chemotherapy treatment. 2023 , 42, 1117-1131		○
3	Effects of allicin on human Simpson-Golabi-Behmel syndrome cells in mediating browning phenotype. 14,		○
2	MiR-21-5p regulates the dynamic of mitochondria network and rejuvenates the senile phenotype of bone marrow stromal cells (BMSCs) isolated from osteoporotic SAM/P6 mice. 2023 , 14,		○
1	Sp1 promotes tumour progression by remodelling the mitochondrial network in cervical cancer. 2023 , 21,		○