

Naotada Ishihara

List of Publications by Year in Descending Order

Source: <https://exaly.com/author-pdf/5413514/naotada-ishihara-publications-by-year.pdf>
Version: 2024-04-11

This document has been generated based on the publications and citations recorded by exaly.com. 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.

59 papers	10,227 citations	36 h-index	62 g-index
62 ext. papers	11,542 ext. citations	7.9 avg, IF	5.88 L-index

#	Paper	IF	Citations
59	Inhibition of mitochondrial fission protects podocytes from albumin-induced cell damage in diabetic kidney disease.. <i>Biochimica Et Biophysica Acta - Molecular Basis of Disease</i> , 2022 , 1868, 166368	6.9	1
58	Non-alcoholic fatty liver disease in mice with hepatocyte-specific deletion of mitochondrial fission factor. <i>Diabetologia</i> , 2021 , 64, 2092-2107	10.3	5
57	Multiple assay systems to analyze the dynamics of mitochondrial nucleoids in living mammalian cells. <i>Biochimica Et Biophysica Acta - General Subjects</i> , 2021 , 1865, 129874	4	1
56	Drp1 SUMO/deSUMOylation by Senp5 isoforms influences ER tubulation and mitochondrial dynamics to regulate brain development.. <i>IScience</i> , 2021 , 24, 103484	6.1	0
55	Analysis of Mitochondrial Membrane Fusion GTPase OPA1 Expressed by the Silkworm Expression System. <i>Methods in Molecular Biology</i> , 2020 , 2159, 115-127	1.4	
54	Mitochondrial dynamics and interorganellar communication in the development and dysmorphism of mammalian oocytes. <i>Journal of Biochemistry</i> , 2020 , 167, 257-266	3.1	8
53	Mitochondrial nucleoid morphology and respiratory function are altered in Drp1-deficient HeLa cells. <i>Journal of Biochemistry</i> , 2020 , 167, 287-294	3.1	9
52	Distal control of mitochondrial biogenesis and respiratory activity by extracellular lactate caused by large-scale deletion of mitochondrial DNA. <i>Pharmacological Research</i> , 2020 , 160, 105204	10.2	3
51	MAVS is energized by Mff which senses mitochondrial metabolism via AMPK for acute antiviral immunity. <i>Nature Communications</i> , 2020 , 11, 5711	17.4	7
50	Circadian Control of DRP1 Activity Regulates Mitochondrial Dynamics and Bioenergetics. <i>Cell Metabolism</i> , 2018 , 27, 657-666.e5	24.6	103
49	Uncoupled mitochondria quickly shorten along their long axis to form indented spheroids, instead of rings, in a fission-independent manner. <i>Scientific Reports</i> , 2018 , 8, 350	4.9	63
48	Mitochondrial hyperfusion causes neuropathy in a fly model of CMT2A. <i>EMBO Reports</i> , 2018 , 19,	6.5	5
47	Relationship between OPA1 and cardiolipin in mitochondrial inner-membrane fusion. <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 2018 , 1859, 951-957	4.6	25
46	Cell-free mitochondrial fusion assay detected by specific protease reaction revealed Ca ²⁺ as regulator of mitofusin-dependent mitochondrial fusion. <i>Journal of Biochemistry</i> , 2017 , 162, 287-294	3.1	5
45	Molecular basis of selective mitochondrial fusion by heterotypic action between OPA1 and cardiolipin. <i>Nature Cell Biology</i> , 2017 , 19, 856-863	23.4	177
44	Three-dimensional analysis of somatic mitochondrial dynamics in fission-deficient injured motor neurons using FIB/SEM. <i>Journal of Comparative Neurology</i> , 2017 , 525, 2535-2548	3.4	6
43	PARL paves the way to apoptosis. <i>Nature Cell Biology</i> , 2017 , 19, 263-265	23.4	4

42	-Glutamate is metabolized in the heart mitochondria. <i>Scientific Reports</i> , 2017 , 7, 43911	4.9	43
41	Aclarubicin, an anthracycline anti-cancer drug, fluorescently contrasts mitochondria and reduces the oxygen consumption rate in living human cells. <i>Toxicology Letters</i> , 2017 , 277, 109-114	4.4	10
40	Synaptic dysfunction, memory deficits and hippocampal atrophy due to ablation of mitochondrial fission in adult forebrain neurons. <i>Cell Death and Differentiation</i> , 2016 , 23, 18-28	12.7	63
39	Distinct types of protease systems are involved in homeostasis regulation of mitochondrial morphology via balanced fusion and fission. <i>Genes To Cells</i> , 2016 , 21, 408-24	2.3	28
38	Mitochondrial fission is an acute and adaptive response in injured motor neurons. <i>Scientific Reports</i> , 2016 , 6, 28331	4.9	29
37	Disruption of mitochondrial fission in the liver protects mice from diet-induced obesity and metabolic deterioration. <i>Diabetologia</i> , 2015 , 58, 2371-80	10.3	74
36	COX assembly factor ccdc56 regulates mitochondrial morphology by affecting mitochondrial recruitment of Drp1. <i>FEBS Letters</i> , 2015 , 589, 3126-32	3.8	5
35	Dynamics of mitochondrial DNA nucleoids regulated by mitochondrial fission is essential for maintenance of homogeneously active mitochondria during neonatal heart development. <i>Molecular and Cellular Biology</i> , 2015 , 35, 211-23	4.8	112
34	Physiological roles of mitochondrial fission in cultured cells and mouse development. <i>Annals of the New York Academy of Sciences</i> , 2015 , 1350, 77-81	6.5	18
33	CDK5 phosphorylates DRP1 and drives mitochondrial defects in NMDA-induced neuronal death. <i>Human Molecular Genetics</i> , 2015 , 24, 4573-83	5.6	50
32	A role for the ancient SNARE syntaxin 17 in regulating mitochondrial division. <i>Developmental Cell</i> , 2015 , 32, 304-17	10.2	98
31	Mitochondrial fission factor Drp1 maintains oocyte quality via dynamic rearrangement of multiple organelles. <i>Current Biology</i> , 2014 , 24, 2451-8	6.3	74
30	Dynamics of nucleoid structure regulated by mitochondrial fission contributes to cristae reformation and release of cytochrome c. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2013 , 110, 11863-8	11.5	143
29	Mitochondria-type GPAT is required for mitochondrial fusion. <i>EMBO Journal</i> , 2013 , 32, 1265-79	13	36
28	New insights into the function and regulation of mitochondrial fission. <i>Biochimica Et Biophysica Acta - Molecular Cell Research</i> , 2013 , 1833, 1256-68	4.9	310
27	Regulation and physiologic functions of GTPases in mitochondrial fusion and fission in mammals. <i>Antioxidants and Redox Signaling</i> , 2013 , 19, 389-99	8.4	49
26	Fis1 acts as a mitochondrial recruitment factor for TBC1D15 that is involved in regulation of mitochondrial morphology. <i>Journal of Cell Science</i> , 2013 , 126, 176-85	5.3	86
25	Rhomboid protease PARL mediates the mitochondrial membrane potential loss-induced cleavage of PGAM5. <i>Journal of Biological Chemistry</i> , 2012 , 287, 34635-45	5.4	110

24	Mammalian Atg2 proteins are essential for autophagosome formation and important for regulation of size and distribution of lipid droplets. <i>Molecular Biology of the Cell</i> , 2012 , 23, 896-909	3.5	279
23	Parkin mediates proteasome-dependent protein degradation and rupture of the outer mitochondrial membrane. <i>Journal of Biological Chemistry</i> , 2011 , 286, 19630-40	5.4	444
22	Mitofusin 2 inhibits mitochondrial antiviral signaling. <i>Science Signaling</i> , 2009 , 2, ra47	8.8	175
21	Mitochondrial fission factor Drp1 is essential for embryonic development and synapse formation in mice. <i>Nature Cell Biology</i> , 2009 , 11, 958-66	23.4	745
20	A receptor for eating mitochondria. <i>Developmental Cell</i> , 2009 , 17, 1-2	10.2	15
19	Characterization of the mitochondrial protein LETM1, which maintains the mitochondrial tubular shapes and interacts with the AAA-ATPase BCS1L. <i>Journal of Cell Science</i> , 2008 , 121, 2588-600	5.3	92
18	Mitotic phosphorylation of dynamin-related GTPase Drp1 participates in mitochondrial fission. <i>Journal of Biological Chemistry</i> , 2007 , 282, 11521-9	5.4	823
17	Identification of a novel protein that regulates mitochondrial fusion by modulating mitofusin (Mfn) protein function. <i>Journal of Cell Science</i> , 2006 , 119, 4913-25	5.3	95
16	Regulation of mitochondrial morphology through proteolytic cleavage of OPA1. <i>EMBO Journal</i> , 2006 , 25, 2966-77	13	652
15	Analysis of functional domains of rat mitochondrial Fis1, the mitochondrial fission-stimulating protein. <i>Biochemical and Biophysical Research Communications</i> , 2005 , 333, 650-9	3.4	61
14	Export of mitochondrial AIF in response to proapoptotic stimuli depends on processing at the intermembrane space. <i>EMBO Journal</i> , 2005 , 24, 1375-86	13	286
13	Mitofusin 1 and 2 play distinct roles in mitochondrial fusion reactions via GTPase activity. <i>Journal of Cell Science</i> , 2004 , 117, 6535-46	5.3	502
12	Regulation of mitochondrial morphology by membrane potential, and DRP1-dependent division and FZO1-dependent fusion reaction in mammalian cells. <i>Biochemical and Biophysical Research Communications</i> , 2003 , 301, 891-8	3.4	224
11	Two mitofusin proteins, mammalian homologues of FZO, with distinct functions are both required for mitochondrial fusion. <i>Journal of Biochemistry</i> , 2003 , 134, 333-44	3.1	300
10	Mammalian mitochondrial endonuclease G. Digestion of R-loops and localization in intermembrane space. <i>FEBS Journal</i> , 2002 , 269, 5765-70		56
9	Formation of the approximately 350-kDa Apg12-Apg5-Apg16 multimeric complex, mediated by Apg16 oligomerization, is essential for autophagy in yeast. <i>Journal of Biological Chemistry</i> , 2002 , 277, 18619-25	5.4	315
8	Autophagosome requires specific early Sec proteins for its formation and NSF/SNARE for vacuolar fusion. <i>Molecular Biology of the Cell</i> , 2001 , 12, 3690-702	3.5	296
7	Two distinct Vps34 phosphatidylinositol 3-kinase complexes function in autophagy and carboxypeptidase Y sorting in <i>Saccharomyces cerevisiae</i> . <i>Journal of Cell Biology</i> , 2001 , 152, 519-30	7.3	811

6	A ubiquitin-like system mediates protein lipidation. <i>Nature</i> , 2000 , 408, 488-92	50.4	1494
5	Formation process of autophagosome is traced with Apg8/Aut7p in yeast. <i>Journal of Cell Biology</i> , 1999 , 147, 435-46	7.3	722
4	Characterization of the initial steps of precursor import into rat liver mitoplasts. <i>Journal of Biochemistry</i> , 1998 , 124, 824-34	3.1	7
3	Identification of the protein import components of the rat mitochondrial inner membrane, rTIM17, rTIM23, and rTIM44. <i>Journal of Biochemistry</i> , 1998 , 123, 722-32	3.1	41
2	Malformed cytochrome P-450(M1) localized in unusual membrane structures of the endoplasmic reticulum in cultured animal cells. <i>Journal of Biochemistry</i> , 1995 , 118, 397-404	3.1	29
1	Expression and purification of recombinant human L-OPA1 using BmNPV bacmid-silkworm expression system. <i>Protocol Exchange</i> ,		2