

# Kaori Ishikawa

## List of Publications by Year in descending order

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42  
papers

2,164  
citations

567144

15  
h-index

330025

37  
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42  
docs citations

42  
times ranked

3313  
citing authors

#	ARTICLE	IF	CITATIONS
1	ROS-Generating Mitochondrial DNA Mutations Can Regulate Tumor Cell Metastasis. <i>Science</i> , 2008, 320, 661-664.	6.0	1,224
2	Gene therapy for progeny of mito-mice carrying pathogenic mtDNA by nuclear transplantation. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2005, 102, 16765-16770.	3.3	146
3	Mitochondrial DNA Mutations Regulate Metastasis of Human Breast Cancer Cells. <i>PLoS ONE</i> , 2011, 6, e23401.	1.1	94
4	Epigenetic regulation of the nuclear-coded GCAT and SHMT2 genes confers human age-associated mitochondrial respiration defects. <i>Scientific Reports</i> , 2015, 5, 10434.	1.6	73
5	Generation of trans-mitochondrial mice carrying homoplasmic mtDNAs with a missense mutation in a structural gene using ES cells. <i>Human Molecular Genetics</i> , 2006, 15, 871-881.	1.4	70
6	Rare creation of recombinant mtDNA haplotypes in mammalian tissues. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2005, 102, 6057-6062.	3.3	48
7	Reversible regulation of metastasis by ROS-generating mtDNA mutations. <i>Mitochondrion</i> , 2008, 8, 339-344.	1.6	46
8	Chronic Administration of the Metastin/Kisspeptin Analog KISS1-305 or the Investigational Agent TAK-448 Suppresses Hypothalamic Pituitary Gonadal Function and Depletes Plasma Testosterone in Adult Male Rats. <i>Endocrinology</i> , 2012, 153, 5297-5308.	1.4	46
9	Mice deficient in the <i>Shmt2</i> gene have mitochondrial respiration defects and are embryonic lethal. <i>Scientific Reports</i> , 2018, 8, 425.	1.6	46
10	The innate immune system in host mice targets cells with allogenic mitochondrial DNA. <i>Journal of Experimental Medicine</i> , 2010, 207, 2297-2305.	4.2	44
11	RLR-mediated antiviral innate immunity requires oxidative phosphorylation activity. <i>Scientific Reports</i> , 2017, 7, 5379.	1.6	44
12	Enhanced glycolysis induced by mtDNA mutations does not regulate metastasis. <i>FEBS Letters</i> , 2008, 582, 3525-3530.	1.3	41
13	Generation of trans-mitochondrial mice by the introduction of a pathogenic G13997A mtDNA from highly metastatic lung carcinoma cells. <i>FEBS Letters</i> , 2010, 584, 3943-3948.	1.3	37
14	A novel function of mtDNA: its involvement in metastasis. <i>Annals of the New York Academy of Sciences</i> , 2010, 1201, 40-43.	1.8	30
15	Regulation of metastasis; mitochondrial DNA mutations have appeared on stage. <i>Journal of Bioenergetics and Biomembranes</i> , 2012, 44, 639-644.	1.0	18
16	Reduced responsiveness of kisspeptin neurons to estrogenic positive feedback associated with age-related disappearance of LH surge in middle-age female rats. <i>General and Comparative Endocrinology</i> , 2013, 193, 121-129.	0.8	15
17	Mutations in mitochondrial DNA regulate mitochondrial diseases and metastasis but do not regulate aging. <i>Current Opinion in Genetics and Development</i> , 2016, 38, 63-67.	1.5	14
18	G7731A mutation in mouse mitochondrial tRNA <sup>Lys</sup> regulates late-onset disorders in trans-mitochondrial mice. <i>Biochemical and Biophysical Research Communications</i> , 2015, 459, 66-70.	1.0	13

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19	Suppression of disease phenotypes of adult mito-mice carrying pathogenic mtDNA by bone marrow transplantation. <i>Human Molecular Genetics</i> , 2006, 15, 1801-1807.	1.4	9
20	Chapter 19 Generation of mtDNA-Exchanged Cybrids for Determination of the Effects of mtDNA Mutations on Tumor Phenotypes. <i>Methods in Enzymology</i> , 2009, 457, 335-346.	0.4	9
21	Polymorphic mutations in mouse mitochondrial DNA regulate a tumor phenotype. <i>Mitochondrion</i> , 2013, 13, 881-887.	1.6	9
22	Transmitochondrial mito-mice <sup>†</sup> and mtDNA mutator mice, but not aged mice, share the same spectrum of musculoskeletal disorders. <i>Biochemical and Biophysical Research Communications</i> , 2015, 456, 933-937.	1.0	9
23	Application of ES cells for generation of respiration-deficient mice carrying mtDNA with a large-scale deletion. <i>Biochemical and Biophysical Research Communications</i> , 2005, 333, 590-595.	1.0	8
24	Disruption of the mouse <i>Shmt2</i> gene confers embryonic anaemia via foetal liver-specific metabolomic disorders. <i>Scientific Reports</i> , 2019, 9, 16054.	1.6	8
25	A high mutation load of m.14597A>G in MT-ND6 causes Leigh syndrome. <i>Scientific Reports</i> , 2021, 11, 11123.	1.6	8
26	Acquired expression of mutant <i>Mitofusin 2</i> causes progressive neurodegeneration and abnormal behavior. <i>Journal of Neuroscience</i> , 2019, 39, 2139-18.	1.7	7
27	Trading mtDNA uncovers its role in metastasis. <i>Cell Adhesion and Migration</i> , 2009, 3, 11-13.	1.1	6
28	Specific mtDNA Mutations in Mouse Carcinoma Cells Suppress Their Tumor Formation via Activation of the Host Innate Immune System. <i>PLoS ONE</i> , 2013, 8, e75981.	1.1	6
29	Mitochondrial DNA mutations are involved in the acquisition of cisplatin resistance in human lung cancer A549 cells. <i>Oncology Reports</i> , 2021, 47, .	1.2	6
30	A novel mutation in TAZ causes mitochondrial respiratory chain disorder without cardiomyopathy. <i>Journal of Human Genetics</i> , 2017, 62, 539-547.	1.1	5
31	Mito-mice <sup>†</sup> and mitochondrial DNA mutator mice as models of human osteoporosis caused not by aging but by hyperparathyroidism. <i>Experimental Animals</i> , 2018, 67, 509-516.	0.7	5
32	Mouse somatic mutation orthologous to MELAS A3302G mutation in the mitochondrial tRNA gene confers respiration defects. <i>Biochemical and Biophysical Research Communications</i> , 2015, 467, 1097-1102.	1.0	4
33	An administration of TAK-683 at a minimally effective dose for luteinizing hormone stimulation under the absence of the ovary induces luteinizing hormone surge in ovary-intact goats. <i>Journal of Reproduction and Development</i> , 2017, 63, 305-310.	0.5	4
34	Usefulness of pharmacokinetic/efficacy analysis of an investigational kisspeptin analog, TAK-448, in quantitatively evaluating anti-tumor growth effect in the rat VCaP androgen-sensitive prostate cancer model. <i>European Journal of Pharmacology</i> , 2018, 828, 126-134.	1.7	4
35	Attempts to understand the mechanisms of mitochondrial diseases: The reverse genetics of mouse models for mitochondrial disease. <i>Biochimica Et Biophysica Acta - General Subjects</i> , 2021, 1865, 129835.	1.1	4
36	Neuronal degeneration and cognitive impairment can be prevented via the normalization of mitochondrial dynamics. <i>Pharmacological Research</i> , 2021, 163, 105246.	3.1	3

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37	Concentration of mitochondrial DNA mutations by cytoplasmic transfer from platelets to cultured mouse cells. PLoS ONE, 2019, 14, e0213283.	1.1	1
38	A somatic T15091C mutation in the Cytb gene of mouse mitochondrial DNA dominantly induces respiration defects. Biochemical and Biophysical Research Communications, 2015, 463, 1021-1027.	1.0	0
39	Cytoplasmic transfer of heritable elements other than mtDNA from SAMP1 mice into mouse tumor cells suppresses their ability to form tumors in C57BL6 mice. Biochemical and Biophysical Research Communications, 2017, 493, 252-257.	1.0	0
40	Pharmacokinetic and pharmacodynamic modeling of the metastin/kisspeptin analog, TAK-648, for its anti-tumor efficacy in a rat xenograft model. Biopharmaceutics and Drug Disposition, 2020, 41, 283-294.	1.1	0
41	477. Disappearance of Proestrus LH Surge Caused by the Decline in Activation of Metastin/Kisspeptin Neurons in Middle-Age Female Rats.. Biology of Reproduction, 2012, 87, 477-477.	1.2	0
42	Endocrine responses and ovarian dynamics in goats treated with low dose of investigational metastin/kisspeptin analog TAK-683 in follicular phase. Reproduction Abstracts, 0, , .	0.0	0