Shinichi Someya

List of Publications by Citations

50 papers	3,254 citations	23 h-index	52 g-index
52 ext. papers	3,696 ext. citations	6.9 avg, IF	4.84 L-index

#	Paper	IF	Citations
50	Sirt3 mediates reduction of oxidative damage and prevention of age-related hearing loss under caloric restriction. *Cell*, **2010**, 143, 802-12	56.2	860
49	Current concepts in age-related hearing loss: epidemiology and mechanistic pathways. *Hearing Research*, **2013**, 303, 30-8	3.9	330
48	Sirt3 promotes the urea cycle and fatty acid oxidation during dietary restriction. *Molecular Cell*, **2011**, 41, 139-49	17.6	301
47	Antioxidant compounds from bananas (Musa Cavendish). *Food Chemistry*, **2002**, 79, 351-354	8.5	257
46	Age-related hearing loss in C57BL/6J mice is mediated by Bak-dependent mitochondrial apoptosis. *Proceedings of the National Academy of Sciences of the United States of America*, **2009**, 106, 19432-7	11.5	238
45	Mitochondrial DNA mutations induce mitochondrial dysfunction, apoptosis and sarcopenia in skeletal muscle of mitochondrial DNA mutator mice. *PLoS ONE*, **2010**, 5, e11468	3.7	196
44	Mitochondrial oxidative damage and apoptosis in age-related hearing loss. *Mechanisms of Ageing and Development*, **2010**, 131, 480-6	5.6	114
43	Successful aging: Advancing the science of physical independence in older adults. *Ageing Research Reviews*, **2015**, 24, 304-27	12	107
42	Caloric restriction suppresses apoptotic cell death in the mammalian cochlea and leads to prevention of presbycusis. *Neurobiology of Aging*, **2007**, 28, 1613-22	5.6	103
41	Role of mitochondrial dysfunction and mitochondrial DNA mutations in age-related hearing loss. *Hearing Research*, **2007**, 226, 185-93	3.9	101
40	The role of mtDNA mutations in the pathogenesis of age-related hearing loss in mice carrying a mutator DNA polymerase gamma. *Neurobiology of Aging*, **2008**, 29, 1080-92	5.6	70
39	Health Effects of Long-Term Rapamycin Treatment: The Impact on Mouse Health of Enteric Rapamycin Treatment from Four Months of Age throughout Life. *PLoS ONE*, **2015**, 10, e0126644	3.7	49
38	Addition of exogenous NAD+ prevents mefloquine-induced neuroaxonal and hair cell degeneration through reduction of caspase-3-mediated apoptosis in cochlear organotypic cultures. *PLoS ONE*, **2013**, 8, e79817	3.7	39
37	Effects of caloric restriction on age-related hearing loss in rodents and rhesus monkeys. *Current Aging Science*, **2010**, 3, 20-5	2.2	36
36	Maintaining good hearing: calorie restriction, Sirt3, and glutathione. *Experimental Gerontology*, **2013**, 48, 1091-5	4.5	35
35	Mitochondrial ATP transporter depletion protects mice against liver steatosis and insulin resistance. *Nature Communications*, **2017**, 8, 14477	17.4	31
34	Genes encoding mitochondrial respiratory chain components are profoundly down-regulated with aging in the cochlea of DBA/2J mice. *Brain Research*, **2007**, 1182, 26-33	3.7	31

33	Effects of Long-Term Exercise on Age-Related Hearing Loss in Mice. *Journal of Neuroscience*, **2016**, 36, 11308-11319	6.6	30
32	Mouse models of age-related mitochondrial neurosensory hearing loss. *Molecular and Cellular Neurosciences*, **2013**, 55, 95-100	4.8	29
31	Influence of viral vector-mediated delivery of superoxide dismutase and catalase to the hippocampus on spatial learning and memory during aging. *Antioxidants and Redox Signaling*, **2012**, 16, 339-50	8.4	29
30	Sirt1 deficiency protects cochlear cells and delays the early onset of age-related hearing loss in C57BL/6 mice. *Neurobiology of Aging*, **2016**, 43, 58-71	5.6	26
29	Intraoperative hemidiaphragm electrical stimulation reduces oxidative stress and upregulates autophagy in surgery patients undergoing mechanical ventilation: exploratory study. *Journal of Translational Medicine*, **2016**, 14, 305	8.5	24
28	A conserved transcriptional signature of delayed aging and reduced disease vulnerability is partially mediated by SIRT3. *PLoS ONE*, **2015**, 10, e0120738	3.7	23
27	GLAST Deficiency in Mice Exacerbates Gap Detection Deficits in a Model of Salicylate-Induced Tinnitus. *Frontiers in Behavioral Neuroscience*, **2016**, 10, 158	3.5	22
26	Loss of IDH2 Accelerates Age-related Hearing Loss in Male Mice. *Scientific Reports*, **2018**, 8, 5039	4.9	21
25	GSTA4 mediates reduction of cisplatin ototoxicity in female mice. *Nature Communications*, **2019**, 10, 4150	17.4	20
24	Loss of sestrin 2 potentiates the early onset of age-related sensory cell degeneration in the cochlea. *Neuroscience*, **2017**, 361, 179-191	3.9	19
23	OTOTOXIC EFFECTS OF CARBOPLATIN IN ORGANOTYPIC CULTURES IN CHINCHILLAS AND RATS. *Journal of Otology*, **2012**, 7, 92-101	1.9	17
22	Studies on the regulatory mechanism of isocitrate dehydrogenase 2 using acetylation mimics. *Scientific Reports*, **2017**, 7, 9785	4.9	16
21	Effects of calorie restriction on the lifespan and healthspan of POLG mitochondrial mutator mice. *PLoS ONE*, **2017**, 12, e0171159	3.7	12
20	Deficiency Does Not Affect the Cytosolic Glutathione or Thioredoxin Antioxidant Defense in Mouse Cochlea. *Journal of Neuroscience*, **2017**, 37, 5770-5781	6.6	10
19	Increased burden of mitochondrial DNA deletions and point mutations in early-onset age-related hearing loss in mitochondrial mutator mice. *Experimental Gerontology*, **2019**, 125, 110675	4.5	8
18	Ototoxic Model of Oxaliplatin and Protection from Nicotinamide Adenine Dinucleotide. *Journal of Otology*, **2013**, 8, 63-71	1.9	7
17	Innovations in Geroscience to enhance mobility in older adults. *Experimental Gerontology*, **2020**, 142, 111123	4.5	7
16	A Novel Mouse Model of USH1B Reveals Auditory and Visual System Haploinsufficiencies. *Frontiers in Neuroscience*, **2019**, 13, 1255	5.1	7

15	GSR is not essential for the maintenance of antioxidant defenses in mouse cochlea: Possible role of the thioredoxin system as a functional backup for GSR. *PLoS ONE*, **2017**, 12, e0180817	3.7	6
14	Cochlear detoxification: Role of alpha class glutathione transferases in protection against oxidative lipid damage, ototoxicity, and cochlear aging. *Hearing Research*, **2021**, 402, 108002	3.9	5
13	Sirt3 Promotes the Urea Cycle and Fatty Acid Oxidation during Dietary Restriction. *Molecular Cell*, **2011**, 41, 493	17.6	4
12	Synthesis of protodolomite from coral reef sand. *Food Chemistry*, **2006**, 99, 15-18	8.5	4
11	"Passenger gene" problem in transgenic C57BL/6 mice used in hearing research. *Neuroscience Research*, **2020**, 158, 6-15	2.9	4
10	Effects of Gsta4 deficiency on age-related cochlear pathology and hearing loss in mice. *Experimental Gerontology*, **2020**, 133, 110872	4.5	2
9	Lifestyle Intervention to Prevent Age-Related Hearing Loss: Calorie Restriction **2020**, 1-21		1
8	Aging of the sensory systems: hearing and vision disorders **2021**, 297-321		1
7	Txn2 haplodeficiency does not affect cochlear antioxidant defenses or accelerate the progression of cochlear cell loss or hearing loss across the lifespan. *Experimental Gerontology*, **2020**, 141, 111078	4.5	0
6	Update on the Free Radical Theory of Aging The Role of Oxidative Stress in Age-Related Hearing Loss **2014**, 3581-3598		0
5	Roles of Bak and Sirt3 in Paraquat-Induced Cochlear Hair Cell Damage. *Neurotoxicity Research*, **2021** , 39, 1227-1237	4.3	0
4	Atmosphere Controlled Sintering of Coral Sand Powders by Hot Isostatic Pressing. *Funtai Oyobi Fummatsu Yakin/Journal of the Japan Society of Powder and Powder Metallurgy*, **2005**, 52, 28-34	0.2	
3	Genetic and Molecular Aspects of the Aging Auditory System. *Springer Handbook of Auditory Research*, **2020**, 9-34	1.2	
2	Age-Related Hearing Loss: Mitochondrial Biochemical Pathways and Molecular Targets. *Oxidative Stress in Applied Basic Research and Clinical Practice*, **2015**, 273-288		
1	Effects of Nutraceutical Antioxidants on Age-Related Hearing Loss **2010**, 113-124		