

# Ikuroh Ohsawa

## List of Publications by Year in descending order

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Version: 2024-02-01

30  
papers

3,491  
citations

361045

20  
h-index

552369

26  
g-index

33  
all docs

33  
docs citations

33  
times ranked

3290  
citing authors

#	ARTICLE	IF	CITATIONS
1	Hot Spot Mutagenesis Improves the Functional Expression of Unique Mammalian Odorant Receptors. International Journal of Molecular Sciences, 2022, 23, 277.	1.8	6
2	Biological Responses to Hydrogen Molecule and its Preventive Effects on Inflammatory Diseases. Current Pharmaceutical Design, 2021, 27, 659-666.	0.9	6
3	Hydrogen promotes the activation of Cu, Zn superoxide dismutase in a rat corneal alkali-burn model. International Journal of Ophthalmology, 2020, 13, 1173-1179.	0.5	1
4	The N-terminal region of RTP1S plays important roles in dimer formation and odorant receptor-trafficking. Journal of Biological Chemistry, 2019, 294, 14661-14673.	1.6	15
5	Molecular hydrogen attenuates gefitinib-induced exacerbation of naphthalene-evoked acute lung injury through a reduction in oxidative stress and inflammation. Laboratory Investigation, 2019, 99, 793-806.	1.7	24
6	Administration of hydrogen-rich water prevents vascular aging of the aorta in LDL receptor-deficient mice. Scientific Reports, 2018, 8, 16822.	1.6	24
7	Effects of Molecular Hydrogen Assessed by an Animal Model and a Randomized Clinical Study on Mild Cognitive Impairment. Current Alzheimer Research, 2018, 15, 482-492.	0.7	75
8	Preadministration of Hydrogen-Rich Water Protects Against Lipopolysaccharide-Induced Sepsis and Attenuates Liver Injury. Shock, 2017, 48, 85-93.	1.0	31
9	Molecular hydrogen protects against oxidative stress-induced SH-SY5Y neuroblastoma cell death through the process of mitohormesis. PLoS ONE, 2017, 12, e0176992.	1.1	73
10	Hydrogen Gas Ameliorates Hepatic Reperfusion Injury After Prolonged Cold Preservation in Isolated Perfused Rat Liver. Artificial Organs, 2016, 40, 1128-1136.	1.0	27
11	Hydrogen prevents corneal endothelial damage in phacoemulsification cataract surgery. Scientific Reports, 2016, 6, 31190.	1.6	39
12	STED super-resolution imaging of mitochondria labeled with TMRM in living cells. Mitochondrion, 2016, 28, 79-87.	1.6	36
13	Hydrogen therapy attenuates irradiation-induced lung damage by reducing oxidative stress. American Journal of Physiology - Lung Cellular and Molecular Physiology, 2011, 301, L415-L426.	1.3	129
14	Molecular Hydrogen Improves Obesity and Diabetes by Inducing Hepatic FGF21 and Stimulating Energy Metabolism in <i>db/db</i> Mice. Obesity, 2011, 19, 1396-1403.	1.5	172
15	Protection of the Retina by Rapid Diffusion of Hydrogen: Administration of Hydrogen-Loaded Eye Drops in Retinal Ischemia/Reperfusion Injury. , 2010, 51, 487.		154
16	Combination therapy with transductive anti-death FNK protein and FK506 ameliorates brain damage with focal transient ischemia in rat. Journal of Neurochemistry, 2008, 106, 258-270.	2.1	22
17	Consumption of hydrogen water prevents atherosclerosis in apolipoprotein E knockout mice. Biochemical and Biophysical Research Communications, 2008, 377, 1195-1198.	1.0	167
18	Age-Dependent Neurodegeneration Accompanying Memory Loss in Transgenic Mice Defective in Mitochondrial Aldehyde Dehydrogenase 2 Activity. Journal of Neuroscience, 2008, 28, 6239-6249.	1.7	102

#	ARTICLE	IF	CITATIONS
19	Hydrogen acts as a therapeutic antioxidant by selectively reducing cytotoxic oxygen radicals. <i>Nature Medicine</i> , 2007, 13, 688-694.	15.2	1,847
20	Association of alcohol dehydrogenase 2*1 allele with liver damage and insulin concentration in the Japanese. <i>Journal of Human Genetics</i> , 2006, 51, 31-37.	1.1	15
21	Neuroprotecting Mechanisms of Ischemic Preconditioning. <i>Nihon Ika Daigaku Igakkai Zasshi</i> , 2006, 2, 178-179.	0.0	0
22	Various Morphologies of Mitochondria. <i>Journal of Nippon Medical School</i> , 2005, 72, 136-136.	0.3	0
23	Mitochondrial ALDH2 Deficiency as an Oxidative Stress. <i>Annals of the New York Academy of Sciences</i> , 2004, 1011, 36-44.	1.8	84
24	Detection of Urine Survivin in 40 Patients with Bladder Cancer. <i>Journal of Nippon Medical School</i> , 2004, 71, 379-383.	0.3	14
25	Genetic deficiency of a mitochondrial aldehyde dehydrogenase increases serum lipid peroxides in community-dwelling females. <i>Journal of Human Genetics</i> , 2003, 48, 404-409.	1.1	48
26	Deficiency in a mitochondrial aldehyde dehydrogenase increases vulnerability to oxidative stress in PC12 cells. <i>Journal of Neurochemistry</i> , 2003, 84, 1110-1117.	2.1	115
27	Fibulin-1 binds the amino-terminal head of $\beta$ -amyloid precursor protein and modulates its physiological function. <i>Journal of Neurochemistry</i> , 2001, 76, 1411-1420.	2.1	62
28	Amino-terminal region of secreted form of amyloid precursor protein stimulates proliferation of neural stem cells. <i>European Journal of Neuroscience</i> , 1999, 11, 1907-1913.	1.2	107
29	Involvement of amyloid precursor protein in functional synapse formation in cultured hippocampal neurons. , 1998, 51, 185-195.		71
30	The effect of a secreted form of $\beta$ -amyloid-precursor protein on intracellular $Ca^{2+}$ increase in rat cultured hippocampal neurones. <i>British Journal of Pharmacology</i> , 1998, 123, 1483-1489.	2.7	25