Ikuroh Ohsawa

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/5847675/publications.pdf

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30	3,491	361296	552653
papers	citations	20 h-index	26 g-index

33	33	33	3290
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Hydrogen acts as a therapeutic antioxidant by selectively reducing cytotoxic oxygen radicals. Nature Medicine, 2007, 13, 688-694.	15.2	1,847
2	Molecular Hydrogen Improves Obesity and Diabetes by Inducing Hepatic FGF21 and Stimulating Energy Metabolism in db/db Mice. Obesity, 2011, 19, 1396-1403.	1.5	172
3	Consumption of hydrogen water prevents atherosclerosis in apolipoprotein E knockout mice. Biochemical and Biophysical Research Communications, 2008, 377, 1195-1198.	1.0	167
4	Protection of the Retina by Rapid Diffusion of Hydrogen: Administration of Hydrogen-Loaded Eye Drops in Retinal Ischemiaâ€“Reperfusion Injury. , 2010, 51, 487.		154
5	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
6	Deficiency in a mitochondrial aldehyde dehydrogenase increases vulnerability to oxidative stress in PC12 cells. Journal of Neurochemistry, 2003, 84, 1110-1117.	2.1	115
7	Amino-terminal region of secreted form of amyloid precursor protein stimulates proliferation of neural stem cells. European Journal of Neuroscience, 1999, 11, 1907-1913.	1.2	107
8	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
9	Mitochondrial ALDH2 Deficiency as an Oxidative Stress. Annals of the New York Academy of Sciences, 2004, 1011, 36-44.	1.8	84
10	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
11	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
12	Involvement of amyloid precursor protein in functional synapse formation in cultured hippocampal neurons. , 1998, 51, 185-195.		71
13	Fibulin-1 binds the amino-terminal head of Î²-amyloid precursor protein and modulates its physiological function. Journal of Neurochemistry, 2001, 76, 1411-1420.	2.1	62
14	Genetic deficiency of a mitochondrial aldehyde dehydrogenase increases serum lipid peroxides in community-dwelling females. Journal of Human Genetics, 2003, 48, 404-409.	1.1	48
15	Hydrogen prevents corneal endothelial damage in phacoemulsification cataract surgery. Scientific Reports, 2016, 6, 31190.	1.6	39
16	STED super-resolution imaging of mitochondria labeled with TMRM in living cells. Mitochondrion, 2016, 28, 79-87.	1.6	36
17	Preadministration of Hydrogen-Rich Water Protects Against Lipopolysaccharide-Induced Sepsis and Attenuates Liver Injury. Shock, 2017, 48, 85-93.	1.0	31
18	Hydrogen Gas Ameliorates Hepatic Reperfusion Injury After Prolonged Cold Preservation in Isolated Perfused Rat Liver. Artificial Organs, 2016, 40, 1128-1136.	1.0	27

#	Article	IF	Citations
19	The effect of a secreted form of Î²-amyloid-precursor protein on intracellular Ca2+ increase in rat cultured hippocampal neurones. British Journal of Pharmacology, 1998, 123, 1483-1489.	2.7	25
20	Administration of hydrogen-rich water prevents vascular aging of the aorta in LDL receptor-deficient mice. Scientific Reports, 2018, 8, 16822.	1.6	24
21	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
22	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
23	Association of alcohol dehydrogenase 2*1 allele with liver damage and insulin concentration in the Japanese. Journal of Human Genetics, 2006, 51, 31-37.	1.1	15
24	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
25	Detection of Urine Survivin in 40 Patients with Bladder Cancer. Journal of Nippon Medical School, 2004, 71, 379-383.	0.3	14
26	Biological Responses to Hydrogen Molecule and its Preventive Effects on Inflammatory Diseases. Current Pharmaceutical Design, 2021, 27, 659-666.	0.9	6
27	Hot Spot Mutagenesis Improves the Functional Expression of Unique Mammalian Odorant Receptors. International Journal of Molecular Sciences, 2022, 23, 277.	1.8	6
28	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
29	Various Morphologies of Mitochondria. Journal of Nippon Medical School, 2005, 72, 136-136.	0.3	0
30	Neuroprotecting Mechanisms of Ischemic Preconditioning. Nihon Ika Daigaku Igakkai Zasshi, 2006, 2, 178-179.	0.0	0