

Kazumi Iwata

List of Publications by Year in descending order

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46
papers

1,997
citations

304743

22
h-index

276875

41
g-index

48
all docs

48
docs citations

48
times ranked

3214
citing authors

#	ARTICLE	IF	CITATIONS
1	Nox1 Is Involved in Angiotensin II-Mediated Hypertension. <i>Circulation</i> , 2005, 112, 2677-2685.	1.6	443
2	ROS Are Required for Mouse Spermatogonial Stem Cell Self-Renewal. <i>Cell Stem Cell</i> , 2013, 12, 774-786.	11.1	193
3	Reactive Oxygen Species Derived from NOX1/NADPH Oxidase Enhance Inflammatory Pain. <i>Journal of Neuroscience</i> , 2008, 28, 9486-9494.	3.6	135
4	Curcumin activates human glutathione S-transferase P1 expression through antioxidant response element. <i>Toxicology Letters</i> , 2007, 170, 238-247.	0.8	131
5	NOX1/nicotinamide adenine dinucleotide phosphate, reduced form (NADPH) oxidase promotes proliferation of stellate cells and aggravates liver fibrosis induced by bile duct ligation. <i>Hepatology</i> , 2011, 54, 949-958.	7.3	104
6	All-Electrical Ca ²⁺ -Independent Signal Transduction Mediates Attractive Sodium Taste in Taste Buds. <i>Neuron</i> , 2020, 106, 816-829.e6.	8.1	93
7	NOX1/NADPH oxidase negatively regulates nerve growth factor-induced neurite outgrowth. <i>Free Radical Biology and Medicine</i> , 2006, 40, 1785-1795.	2.9	69
8	NOX1/NADPH oxidase is involved in endotoxin-induced cardiomyocyte apoptosis. <i>Free Radical Biology and Medicine</i> , 2012, 53, 1718-1728.	2.9	66
9	NADPH oxidase NOX1 is involved in activation of protein kinase C and premature senescence in early stage diabetic kidney. <i>Free Radical Biology and Medicine</i> , 2015, 83, 21-30.	2.9	61
10	Depressive-Like Behaviors Are Regulated by NOX1/NADPH Oxidase by Redox Modification of NMDA Receptor 1. <i>Journal of Neuroscience</i> , 2017, 37, 4200-4212.	3.6	50
11	The NOX1 isoform of NADPH oxidase is involved in dysfunction of liver sinusoids in nonalcoholic fatty liver disease. <i>Free Radical Biology and Medicine</i> , 2018, 115, 412-420.	2.9	50
12	Involvement of NOX1/NADPH Oxidase in Morphine-Induced Analgesia and Tolerance. <i>Journal of Neuroscience</i> , 2011, 31, 18094-18103.	3.6	49
13	Potential role of the NADPH oxidase NOX1 in the pathogenesis of 5-fluorouracil-induced intestinal mucositis in mice. <i>American Journal of Physiology - Renal Physiology</i> , 2012, 302, G1133-G1142.	3.4	49
14	Aldose Reductase Inhibitors Improve Myocardial Reperfusion Injury in Mice by a Dual Mechanism. <i>Journal of Pharmacological Sciences</i> , 2006, 102, 37-46.	2.5	40
15	The AP-1 site is essential for the promoter activity of NOX1/NADPH oxidase, a vascular superoxide-producing enzyme: Possible involvement of the ERK1/2-JunB pathway. <i>Biochemical and Biophysical Research Communications</i> , 2008, 374, 351-355.	2.1	39
16	The Activity of Aldose Reductase Is Elevated in Diabetic Mouse Heart. <i>Journal of Pharmacological Sciences</i> , 2007, 103, 408-416.	2.5	34
17	Deficiency of NOX1/Nicotinamide Adenine Dinucleotide Phosphate, Reduced Form Oxidase Leads to Pulmonary Vascular Remodeling. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2014, 34, 110-119.	2.4	31
18	Up-regulation of NOX1/NADPH oxidase following drug-induced myocardial injury promotes cardiac dysfunction and fibrosis. <i>Free Radical Biology and Medicine</i> , 2018, 120, 277-288.	2.9	28

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19	NOX1/NADPH oxidase in bone marrow-derived cells modulates intestinal barrier function. <i>Free Radical Biology and Medicine</i> , 2020, 147, 90-101.	2.9	28
20	Aldose reductase in keratinocytes attenuates cellular apoptosis and senescence induced by UV radiation. <i>Free Radical Biology and Medicine</i> , 2011, 50, 680-688.	2.9	27
21	NADPH Oxidase Isoforms and Anti-hypertensive Effects of Atorvastatin Demonstrated in Two Animal Models. <i>Journal of Pharmacological Sciences</i> , 2009, 111, 260-268.	2.5	26
22	Clioquinol induces DNA double-strand breaks, activation of ATM, and subsequent activation of p53 signaling. <i>Toxicology</i> , 2012, 299, 55-59.	4.2	24
23	Increased Gene Expression of Glutathione Peroxidase-3 in Diabetic Mouse Heart. <i>Biological and Pharmaceutical Bulletin</i> , 2006, 29, 1042-1045.	1.4	23
24	Myocyte enhancer factor 2B is involved in the inducible expression of NOX1/NADPH oxidase, a vascular superoxide-producing enzyme. <i>FEBS Journal</i> , 2007, 274, 5128-5136.	4.7	22
25	Sp3 transcription factor is crucial for transcriptional activation of the human <i>NOX4</i> gene. <i>FEBS Journal</i> , 2011, 278, 964-972.	4.7	21
26	Characterization of N-glycosylation sites on the extracellular domain of NOX1/NADPH oxidase. <i>Free Radical Biology and Medicine</i> , 2014, 68, 196-204.	2.9	19
27	NOX1/NADPH Oxidase Expressed in Colonic Macrophages Contributes to the Pathogenesis of Colonic Inflammation in Trinitrobenzene Sulfonic Acid-Induced Murine Colitis. <i>Journal of Pharmacology and Experimental Therapeutics</i> , 2017, 360, 192-200.	2.5	19
28	Mucosal Protective Effect of Leminoprazole on Reflux Esophagitis Induced in Rats. <i>The Japanese Journal of Pharmacology</i> , 1995, 69, 317-324.	1.2	17
29	Effects of a novel non-steroidal anti-inflammatory drug (M-5011) on bone metabolism in rats with collagen-induced arthritis. <i>European Journal of Pharmacology</i> , 1998, 352, 81-90.	3.5	16
30	Up-regulation of aldose reductase by the substrate, methylglyoxal. <i>Chemico-Biological Interactions</i> , 2003, 143-144, 317-323.	4.0	15
31	A protective role of Nox1/NADPH oxidase in a mouse model with hypoxia-induced bradycardia. <i>Journal of Pharmacological Sciences</i> , 2015, 127, 370-376.	2.5	11
32	Clioquinol inhibits dopamine- β -hydroxylase secretion and noradrenaline synthesis by affecting the redox status of ATOX1 and copper transport in human neuroblastoma SH-SY5Y cells. <i>Archives of Toxicology</i> , 2021, 95, 135-148.	4.2	11
33	Antinociceptive Activity of a Novel Non-Steroidal Anti-Inflammatory Drug (M-5011) with Low Ulcerogenic Effects in Mice. <i>The Japanese Journal of Pharmacology</i> , 1996, 72, 29-37.	1.2	10
34	NOX1/NADPH oxidase affects the development of autism-like behaviors in a maternal immune activation model. <i>Biochemical and Biophysical Research Communications</i> , 2021, 534, 59-66.	2.1	10
35	NOX 1/ NADPH oxidase regulates the expression of multidrug resistance-associated protein 1 and maintains intracellular glutathione levels. <i>FEBS Journal</i> , 2019, 286, 678-687.	4.7	8
36	Nicotine and methyl vinyl ketone, major components of cigarette smoke extracts, increase protective amyloid- β peptides in cells harboring amyloid- β precursor protein. <i>Journal of Toxicological Sciences</i> , 2018, 43, 257-266.	1.5	6

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37	Clioquinol Increases the Expression of VGF, a Neuropeptide Precursor, Through Induction of c-Fos Expression. <i>Journal of Pharmacological Sciences</i> , 2014, 124, 427-432.	2.5	5
38	Clioquinol increases the expression of interleukin-8 by down-regulating GATA-2 and GATA-3. <i>NeuroToxicology</i> , 2018, 67, 296-304.	3.0	5
39	NOX1/NADPH Oxidase Promotes Synaptic Facilitation Induced by Repeated D ₂ Receptor Stimulation: Involvement in Behavioral Repetition. <i>Journal of Neuroscience</i> , 2021, 41, 2780-2794.	3.6	5
40	NOX1/NADPH oxidase is involved in the LPS-induced exacerbation of collagen-induced arthritis. <i>Journal of Pharmacological Sciences</i> , 2021, 146, 88-97.	2.5	3
41	Mo2060 Pathogenic Role of NADPH Oxidase 1 (NOX1)-Derived Reactive Oxygen Species in 5-Fluorouracil-Induced Intestinal Mucositis in Mice. <i>Gastroenterology</i> , 2012, 142, S-731.	1.3	0
42	Regulation of fibrosis inhibitory factors by NOX1/NADPH oxidase in H9c2 cardiomyocytes. <i>Proceedings for Annual Meeting of the Japanese Pharmacological Society</i> , 2021, 94, 1-O-D1-3.	0.0	0
43	Up-regulation of NOX1/NADPH oxidase following myocardial cell injury plays a critical role in the development of cardiac fibrosis. <i>Proceedings for Annual Meeting of the Japanese Pharmacological Society</i> , 2018, WCP2018, PO3-3-12.	0.0	0
44	A Protective role of NOX1/NADPH oxidase against cytotoxic components of cigarette smoke extracts in cardiomyocyte. <i>Proceedings for Annual Meeting of the Japanese Pharmacological Society</i> , 2019, 92, 1-SS-38.	0.0	0
45	Role of NOX1 in intestinal barrier dysfunction. <i>Proceedings for Annual Meeting of the Japanese Pharmacological Society</i> , 2020, 93, 2-O-024.	0.0	0
46	Alleviative effect of glutamate on 5-fluorouracil-induced intestinal mucositis in mice. <i>Proceedings for Annual Meeting of the Japanese Pharmacological Society</i> , 2022, 95, 1-SS-61.	0.0	0