

Koji Fukui

List of Publications by Year in descending order

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46
papers

1,550
citations

394421

19
h-index

302126

39
g-index

46
all docs

46
docs citations

46
times ranked

2188
citing authors

#	ARTICLE	IF	CITATIONS
1	Cognitive Impairment of Rats Caused by Oxidative Stress and Aging, and Its Prevention by Vitamin E. <i>Annals of the New York Academy of Sciences</i> , 2002, 959, 275-284.	3.8	268
2	Impairment of Learning and Memory in Rats Caused by Oxidative Stress and Aging, and Changes in Antioxidative Defense Systems. <i>Annals of the New York Academy of Sciences</i> , 2001, 928, 168-175.	3.8	233
3	Suppression of autophagic activity by Rubicon is a signature of aging. <i>Nature Communications</i> , 2019, 10, 847.	12.8	132
4	Induction of autophagy in neurite degeneration of mouse superior cervical ganglion neurons. <i>European Journal of Neuroscience</i> , 2007, 26, 2979-2988.	2.6	106
5	Pyroloquinoline Quinone (PQQ) Prevents Cognitive Deficit Caused by Oxidative Stress in Rats. <i>Journal of Clinical Biochemistry and Nutrition</i> , 2008, 42, 29-34.	1.4	83
6	Appearance of amyloid β -like substances and delayed-type apoptosis in rat hippocampus CA1 region through aging and oxidative stress. <i>Journal of Alzheimer's Disease</i> , 2005, 8, 299-309.	2.6	78
7	Prolonged metformin treatment leads to reduced transcription of Nrf2 and neurotrophic factors without cognitive impairment in older C57BL/6J mice. <i>Behavioural Brain Research</i> , 2016, 301, 1-9.	2.2	73
8	Calpain-mediated cleavage of collapsin response mediator protein(CRMP) β 2 during neurite degeneration in mice. <i>European Journal of Neuroscience</i> , 2007, 26, 3368-3381.	2.6	61
9	Oxidative Damage of Rat Cerebral Cortex and Hippocampus, and Changes in Antioxidative Defense Systems Caused by Hyperoxia. <i>Free Radical Research</i> , 2003, 37, 367-372.	3.3	51
10	Hydrogen peroxide induces neurite degeneration: Prevention by tocotrienols. <i>Free Radical Research</i> , 2011, 45, 681-691.	3.3	44
11	Cognitive Impairments Induced by Concussive Mild Traumatic Brain Injury in Mouse Are Ameliorated by Treatment with Phenserine via Multiple Non-Cholinergic and Cholinergic Mechanisms. <i>PLoS ONE</i> , 2016, 11, e0156493.	2.5	36
12	Reactive oxygen species induce neurite degeneration before induction of cell death. <i>Journal of Clinical Biochemistry and Nutrition</i> , 2016, 59, 155-159.	1.4	34
13	Tocotrienols prevent hydrogen peroxide-induced axon and dendrite degeneration in cerebellar granule cells. <i>Free Radical Research</i> , 2012, 46, 184-193.	3.3	28
14	Vitamin E Inhibits Oxidative Stress-Induced Denaturation of Nerve Terminal Proteins Involved in Neurotransmission. <i>Journal of Alzheimer's Disease</i> , 2012, 28, 183-189.	2.6	27
15	Influence of Oxidative Stress on Fusion of Pre-Synaptic Plasma Membranes of the Rat Brain with Phosphatidyl Choline Liposomes, and Protective Effect of Vitamin E. <i>Journal of Nutritional Science and Vitaminology</i> , 2006, 52, 248-255.	0.6	25
16	Cellular Zn ²⁺ chelators cause "oxyding"neurite degeneration associated with energy impairment. <i>Journal of Neuroscience Research</i> , 2007, 85, 2844-2855.	2.9	22
17	Long-Term Vitamin E-Deficient Mice Exhibit Cognitive Dysfunction via Elevation of Brain Oxidation. <i>Journal of Nutritional Science and Vitaminology</i> , 2015, 61, 362-368.	0.6	22
18	Vitamin E Deficiency Induces Axonal Degeneration in Mouse Hippocampal Neurons. <i>Journal of Nutritional Science and Vitaminology</i> , 2012, 58, 377-383.	0.6	21

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19	Changes in microtubule-related proteins and autophagy in long-term vitamin E-deficient mice. <i>Free Radical Research</i> , 2014, 48, 649-658.	3.3	21
20	Tocotrienol improves learning and memory deficit of aged rats. <i>Journal of Clinical Biochemistry and Nutrition</i> , 2016, 58, 114-121.	1.4	18
21	Relationship between Cognitive Dysfunction and Age-Related Variability in Oxidative Markers in Isolated Mitochondria of Alzheimer's Disease Transgenic Mouse Brains. <i>Biomedicines</i> , 2022, 10, 281.	3.2	16
22	Synthesis and characterization of novel, conjugated, fluorescent DNJ derivatives for α -glucosidase recognition. <i>Bioorganic and Medicinal Chemistry</i> , 2017, 25, 773-778.	3.0	15
23	Anti-Obesity Effects of Tocotrienols and Bran in High-Fat Diet-Treated Mice. <i>Nutrients</i> , 2019, 11, 830.	4.1	15
24	Increased F2-Isoprostane Levels in the Rat Brain and Plasma Caused by Oxidative Stress and Aging, and Inhibitory Effect of Vitamin E. <i>Journal of Clinical Biochemistry and Nutrition</i> , 2006, 38, 161-166.	1.4	13
25	Ionomycin-induced calcium influx induces neurite degeneration in mouse neuroblastoma cells: analysis of a time-lapse live cell imaging system. <i>Free Radical Research</i> , 2016, 50, 1214-1225.	3.3	13
26	Tocotrienols Influence Body Weight Gain and Brain Protein Expression in Long-Term High-Fat Diet-Treated Mice. <i>International Journal of Molecular Sciences</i> , 2020, 21, 4533.	4.1	10
27	Tocotrienol prevents AAPH-induced neurite degeneration in neuro2a cells. <i>Redox Report</i> , 2013, 18, 238-244.	4.5	8
28	Neuroprotective and Anti-Obesity Effects of Tocotrienols. <i>Journal of Nutritional Science and Vitaminology</i> , 2019, 65, S185-S187.	0.6	8
29	Proteomic study on neurite responses to oxidative stress: search for differentially expressed proteins in isolated neurites of N1E-115 cells. <i>Journal of Clinical Biochemistry and Nutrition</i> , 2019, 64, 36-44.	1.4	8
30	Dysfunction of the Fusion of Pre-Synaptic Plasma Membranes and Synaptic Vesicles Caused by Oxidative Stress, and its Prevention by Vitamin E. <i>Journal of Alzheimer's Disease</i> , 2011, 24, 759-766.	2.6	7
31	Fumarate accumulation involved in renal diabetic fibrosis in Goto-Kakizaki rats. <i>Archives of Biochemistry and Biophysics</i> , 2019, 678, 108167.	3.0	7
32	Changes in the levels of CAM kinase II and synapsin I caused by oxidative stress in the rat brain, and its prevention by vitamin E. <i>Advances in Bioscience and Biotechnology (Print)</i> , 2012, 03, 1199-1205.	0.7	7
33	Determination of tissue-specific interaction between vitamin C and vitamin E <i>in vivo</i> using senescence marker protein-30 knockout mice as a vitamin C synthesis deficiency model. <i>British Journal of Nutrition</i> , 2022, 128, 993-1003.	2.3	6
34	Changes in plasma alpha and gamma tocopherol levels before and after long-term local hyperthermia in cancer patients. <i>Free Radical Research</i> , 2006, 40, 893-899.	3.3	5
35	Tocotrienols reach the brain and play roles in the attenuation of body weight gain and improvement of cognitive function in high-fat diet-treated mice. <i>Journal of Clinical Biochemistry and Nutrition</i> , 2021, 69, 256-264.	1.4	5
36	Effects of far infrared light on Alzheimer's disease-transgenic mice. <i>PLoS ONE</i> , 2021, 16, e0253320.	2.5	5

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37	Vitamin E Prevents Hyperoxia-Induced Loss of Soluble <i>N</i>-Ethylmaleimide-Sensitive Fusion Protein Attachment Protein Receptor Proteins in the Rat Neuronal Cytoplasm. <i>Biological and Pharmaceutical Bulletin</i> , 2013, 36, 1500-1502.	1.4	4
38	Use of a deoxyojirimycin-fluorophore conjugate as a cell-specific imaging probe targeting α -glucosidase on cell membranes. <i>Bioorganic and Medicinal Chemistry</i> , 2019, 27, 859-864.	3.0	3
39	Tocotrienols Attenuate White Adipose Tissue Accumulation and Improve Serum Cholesterol Concentration in High-Fat Diet-Treated Mice. <i>Molecules</i> , 2022, 27, 2188.	3.8	3
40	Effect of Extract-Added Water Derived from Deep-Sea Water with Different Hardness on Cognitive Function, Motor Ability and Serum Indexes of Obese Mice. <i>Nutrients</i> , 2022, 14, 1794.	4.1	3
41	Inhibitory effect of <i>Lysichiton camtschaticense</i> extracts on Fe ²⁺ /ascorbate-induced lipid peroxidation in rat kidney and brain homogenates. <i>Journal of Natural Medicines</i> , 2009, 63, 364-367.	2.3	2
42	Explicating anti-amyloidogenic role of curcumin and piperine via amyloid beta (A β) explicit pathway: recovery and reversal paradigm effects. <i>PeerJ</i> , 2020, 8, e10003.	2.0	2
43	Releasing factors from mature neurons modulate microglial survival via purinergic receptor activation. <i>Neuroscience Letters</i> , 2009, 456, 64-68.	2.1	1
44	Dataset on the effect of Rubicon overexpression on polyglutamine-induced locomotor dysfunction in <i>Drosophila</i> . <i>Data in Brief</i> , 2021, 37, 107222.	1.0	1
45	Simplifying quantitative measurement of free radical species using an X-band EPR spectrometer. <i>Journal of Clinical Biochemistry and Nutrition</i> , 2022, 70, 213-221.	1.4	0
46	Intermolecular binding between bulk water and dissolved gases in earth's magnetic field. <i>PLoS ONE</i> , 2022, 17, e0267391.	2.5	0