

Kazuichi Sakamoto

List of Publications by Year in descending order

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Version: 2024-02-01

56
papers

1,415
citations

331670

21
h-index

345221

36
g-index

56
all docs

56
docs citations

56
times ranked

2257
citing authors

#	ARTICLE	IF	CITATIONS
1	Oxidative stress induced lipid accumulation via SREBP1c activation in HepG2 cells. <i>Biochemical and Biophysical Research Communications</i> , 2008, 375, 602-607.	2.1	142
2	Fat accumulation in <i>Caenorhabditis elegans</i> is mediated by SREBP homolog SBP-1. <i>Genes and Nutrition</i> , 2010, 5, 17-27.	2.5	90
3	Oleuropein and hydroxytyrosol inhibit adipocyte differentiation in 3 T3-L1 cells. <i>Life Sciences</i> , 2011, 89, 708-716.	4.3	82
4	Forkhead transcription factor FOXO subfamily is essential for reactive oxygen species-induced apoptosis. <i>Molecular and Cellular Endocrinology</i> , 2008, 281, 47-55.	3.2	81
5	($\hat{\wedge}$) Epigallocatechin gallate suppresses the differentiation of 3T3-L1 preadipocytes through transcription factors FoxO1 and SREBP1c. <i>Cytotechnology</i> , 2010, 62, 245-255.	1.6	69
6	Forkhead transcription factor Foxo1 is essential for adipocyte differentiation. <i>In Vitro Cellular and Developmental Biology - Animal</i> , 2009, 45, 642-651.	1.5	64
7	($\hat{\wedge}$) Epigallocatechin gallate suppresses adipocyte differentiation through the MEK/ERK and PI3K/Akt pathways. <i>Cell Biology International</i> , 2012, 36, 147-153.	3.0	62
8	Sterilized bifidobacteria suppressed fat accumulation and blood glucose level. <i>Biochemical and Biophysical Research Communications</i> , 2018, 501, 1041-1047.	2.1	59
9	Fatty-acid metabolism is involved in stress-resistance mechanisms of <i>Caenorhabditis elegans</i> . <i>Biochemical and Biophysical Research Communications</i> , 2009, 390, 1402-1407.	2.1	52
10	Green tea polyphenol ($\hat{\wedge}$) Epigallocatechin gallate suppressed the differentiation of murine osteoblastic MC3T3-E1 cells. <i>Cell Biology International</i> , 2010, 34, 109-116.	3.0	50
11	Nicotinamide adenine dinucleotide extends the lifespan of <i>Caenorhabditis elegans</i> mediated by sir-2.1 and daf-16. <i>Biogerontology</i> , 2010, 11, 31-43.	3.9	46
12	Elongation and Desaturation of Fatty Acids are Critical in Growth, Lipid Metabolism and Ontogeny of <i>Caenorhabditis elegans</i> . <i>Journal of Biochemistry</i> , 2008, 144, 149-158.	1.7	45
13	Krebs Cycle Intermediates Protective against Oxidative Stress by Modulating the Level of Reactive Oxygen Species in Neuronal HT22 Cells. <i>Antioxidants</i> , 2017, 6, 21.	5.1	37
14	P53 negatively regulates the transcriptional activity of FOXO3a under oxidative stress. <i>Cell Biology International</i> , 2009, 33, 853-860.	3.0	32
15	Quercetin enhances motility in aged and heat-stressed <i>Caenorhabditis elegans</i> nematodes by modulating both HSF-1 activity, and insulin-like and p38-MAPK signalling. <i>PLoS ONE</i> , 2020, 15, e0238528.	2.5	31
16	Polyunsaturated fatty acids are involved in regulatory mechanism of fatty acid homeostasis via daf-2/insulin signaling in <i>Caenorhabditis elegans</i> . <i>Molecular and Cellular Endocrinology</i> , 2010, 323, 183-192.	3.2	29
17	Sakuranetin Induces Melanogenesis in B16BL6 Melanoma Cells through Inhibition of ERK and PI3K/AKT Signaling Pathways. <i>Phytotherapy Research</i> , 2016, 30, 997-1002.	5.8	29
18	Pyruvic acid/ethyl pyruvate inhibits melanogenesis in B16F10 melanoma cells through PI3K/AKT, GSK3 $\hat{\wedge}$ 2, and ROS-ERK signaling pathways. <i>Genes To Cells</i> , 2019, 24, 60-69.	1.2	27

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19	Killed <i>Bifidobacterium longum</i> enhanced stress tolerance and prolonged life span of <i>Caenorhabditis elegans</i> via DAF-16. <i>British Journal of Nutrition</i> , 2018, 120, 872-880.	2.3	25
20	Effect of inactivated <i>Bifidobacterium longum</i> intake on obese diabetes model mice (TSOD). <i>Food Research International</i> , 2020, 129, 108792.	6.2	25
21	Anti-inflammatory activities of amber extract in lipopolysaccharide-induced RAW 264.7 macrophages. <i>Biomedicine and Pharmacotherapy</i> , 2021, 141, 111854.	5.6	23
22	L-arginine, an active component of salmon milt nucleoprotein, promotes thermotolerance via Sirtuin in <i>Caenorhabditis elegans</i> . <i>Biochemical and Biophysical Research Communications</i> , 2016, 472, 287-291.	2.1	22
23	Mouse 3T3-L1 cells acquire resistance against oxidative stress as the adipocytes differentiate via the transcription factor FoxO. <i>Apoptosis: an International Journal on Programmed Cell Death</i> , 2010, 15, 83-93.	4.9	21
24	Suppression of Protein Kinase C Signaling by the Novel Isoform for Bovine PGF ₂ Receptor. <i>Biochemical and Biophysical Research Communications</i> , 2001, 285, 1-8.	2.1	20
25	Modulation of adipogenesis, lipolysis and glucose consumption in 3T3-L1 adipocytes and C2C12 myotubes by hydroxytyrosol acetate: A comparative study. <i>Biochemical and Biophysical Research Communications</i> , 2013, 440, 576-581.	2.1	19
26	FoxO/Daf-16 restored thrashing movement reduced by heat stress in <i>Caenorhabditis elegans</i> . <i>Comparative Biochemistry and Physiology - B Biochemistry and Molecular Biology</i> , 2014, 170, 26-32.	1.6	18
27	Hydroxytyrosol stimulates lipolysis via A-kinase and extracellular signal-regulated kinase activation in 3T3-L1 adipocytes. <i>European Journal of Nutrition</i> , 2014, 53, 743-750.	3.9	18
28	Genomic organization and characterization of the gene encoding bovine prostaglandin F ₂ receptor. <i>Gene</i> , 1997, 190, 271-278.	2.2	17
29	Citric acid promoted melanin synthesis in B16F10 mouse melanoma cells, but inhibited it in human epidermal melanocytes and HMV-II melanoma cells via the GSK3 β /2-catenin signaling pathway. <i>PLoS ONE</i> , 2020, 15, e0243565.	2.5	17
30	Isosakuranetin, a 2-O-methylated flavonoid, stimulates melanogenesis in B16BL6 murine melanoma cells. <i>Life Sciences</i> , 2015, 143, 43-49.	4.3	14
31	Central nervous system promotes thermotolerance via FoxO/DAF-16 activation through octopamine and acetylcholine signaling in <i>Caenorhabditis elegans</i> . <i>Biochemical and Biophysical Research Communications</i> , 2016, 472, 114-117.	2.1	14
32	Cloning and Characterization of the Novel Isoforms for PGF ₂ Receptor in the Bovine Corpus Luteum. <i>DNA Sequence</i> , 2002, 13, 307-311.	0.7	13
33	Isoamyl alcohol odor promotes longevity and stress tolerance via DAF-16 in <i>Caenorhabditis elegans</i> . <i>Biochemical and Biophysical Research Communications</i> , 2017, 485, 395-399.	2.1	13
34	Grape Extract Promoted MSH-Induced Melanogenesis in B16F10 Melanoma Cells, Which Was Inverse to Resveratrol. <i>Molecules</i> , 2021, 26, 5959.	3.8	13
35	Kaempferol ameliorates symptoms of metabolic syndrome by improving blood lipid profile and glucose tolerance. <i>Bioscience, Biotechnology and Biochemistry</i> , 2021, 85, 2169-2176.	1.3	11
36	Amber Extract Reduces Lipid Content in Mature 3T3-L1 Adipocytes by Activating the Lipolysis Pathway. <i>Molecules</i> , 2021, 26, 4630.	3.8	9

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37	Role of amber extract in protecting SHSY5Y cells against amyloid β 1-42-induced neurotoxicity. <i>Biomedicine and Pharmacotherapy</i> , 2021, 141, 111804.	5.6	9
38	Heat shock factor 1 prevents the reduction in thrashing due to heat shock in <i>Caenorhabditis elegans</i> . <i>Biochemical and Biophysical Research Communications</i> , 2015, 462, 190-194.	2.1	8
39	β -Mangostin suppressed melanogenesis in B16F10 murine melanoma cells through GSK3 β and ERK signaling pathway. <i>Biochemistry and Biophysics Reports</i> , 2021, 26, 100949.	1.3	8
40	Niclosamide affects intracellular TDP-43 distribution in motor neurons, activates mitophagy, and attenuates morphological changes under stress. <i>Journal of Bioscience and Bioengineering</i> , 2021, 132, 640-650.	2.2	8
41	Soy sauce increased the oxidative stress tolerance of nematode via p38 MAPK pathway. <i>Bioscience, Biotechnology and Biochemistry</i> , 2019, 83, 709-716.	1.3	7
42	Linalool odor stimulation improves heat stress tolerance and decreases fat accumulation in nematodes. <i>Bioscience, Biotechnology and Biochemistry</i> , 2019, 83, 148-154.	1.3	7
43	Ice Plant (<i>Mesembryanthemum crystallinum</i>) Extract Promotes Lipolysis in Mouse 3T3-L1 Adipocytes Through Extracellular Signal-Regulated Kinase Activation. <i>Journal of Medicinal Food</i> , 2016, 19, 274-280.	1.5	6
44	Alpha Mangostin promotes myogenic differentiation of C2C12 mouse myoblast cells. <i>Biochemical and Biophysical Research Communications</i> , 2020, 528, 193-198.	2.1	6
45	Cortisol promotes stress tolerance via DAF-16 in <i>Caenorhabditis elegans</i> . <i>Biochemistry and Biophysics Reports</i> , 2021, 26, 100961.	1.3	5
46	Protective Effect of Amber Extract on Human Dopaminergic Cells against 6-Hydroxydopamine-Induced Neurotoxicity. <i>Molecules</i> , 2022, 27, 1817.	3.8	4
47	Regulation of AKT activity prevents autonomic nervous system imbalance. <i>Physiology and Behavior</i> , 2017, 168, 20-23.	2.1	3
48	β -Pinene odor exposure enhances heat stress tolerance through Daf-16 in <i>Caenorhabditis elegans</i> . <i>Biochemical and Biophysical Research Communications</i> , 2020, 528, 726-731.	2.1	2
49	Oxytocin promotes heat stress tolerance via insulin signals in <i>Caenorhabditis elegans</i> . <i>Bioscience, Biotechnology and Biochemistry</i> , 2019, 83, 1858-1866.	1.3	1
50	Physiological Effects of Salmon Milt Nucleoprotein on Movement, Stress Tolerance and Lifespan of <i>C. elegans</i> . <i>Food and Nutrition Sciences (Print)</i> , 2012, 03, 48-54.	0.4	1
51	Stress Buffering and Longevity Effects of Amber Extract on <i>Caenorhabditis elegans</i> (<i>C. elegans</i>). <i>Molecules</i> , 2022, 27, 3858.	3.8	1
52	Physiological effects of an herbal extract mixture containing <i>Acanthopanax senticosus</i> Harms on the development, reproduction, and lipid metabolism of <i>Caenorhabditis elegans</i> . <i>Journal of Natural Pharmaceuticals</i> , 2011, 2, 173.	0.8	0
53	Title is missing!. , 2020, 15, e0238528.		0
54	Title is missing!. , 2020, 15, e0238528.		0

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55	Title is missing!. , 2020, 15, e0238528.		0
56	Title is missing!. , 2020, 15, e0238528.		0