Takako Kizaki

List of Publications by Year
in descending order

54 papers	1,693 citations	304743 22 h-index	289244 40 g-index
56 all docs	56 docs citations	56 times ranked	2678 citing authors

#	Article	IF	Citations
1	Strenuous endurance training in humans reduces oxidative stress following exhausting exercise. European Journal of Applied Physiology, 2001, 84, 1-6.	2.5	312
2	SARS-CoV-2 spike protein S1 subunit induces pro-inflammatory responses via toll-like receptor 4 signaling in murine and human macrophages. Heliyon, 2021, 7, e06187.	3.2	172
3	Uncoupling protein 2 plays an important role in nitric oxide production of lipopolysaccharide-stimulated macrophages. Proceedings of the National Academy of Sciences of the United States of America, 2002, 99, 9392-9397.	7.1	127
4	Antioxidative Effects of a New Lychee Fruit-Derived Polyphenol Mixture, Oligonol, Converted into a Low-Molecular Form in Adipocytes. Bioscience, Biotechnology and Biochemistry, 2008, 72, 463-476.	1.3	70
5	The Effects of Exercise Training on Obesity-Induced Dysregulated Expression of Adipokines in White Adipose Tissue. International Journal of Endocrinology, 2013, 2013, 1-28.	1.5	63
6	Exercise training decreases expression of inflammation-related adipokines through reduction of oxidative stress in rat white adipose tissue. Biochemical and Biophysical Research Communications, 2009, 379, 605-609.	2.1	59
7	Melatonin promotes adipogenesis and mitochondrial biogenesis in 3T3â€L1 preadipocytes. Journal of Pineal Research, 2015, 59, 267-275.	7.4	55
8	Î²₂â€Adrenergic receptor regulates Tollâ€like receptorâ€4â€induced nuclear factorâ€ÎºB activation through Î²â€arrestin 2. Immunology, 2008, 124, 348-356.	4.4	54
9	Exercise Training Attenuates the Dysregulated Expression of Adipokines and Oxidative Stress in White Adipose Tissue. Oxidative Medicine and Cellular Longevity, 2017, 2017, 1-12.	4.0	52
10	Adaptation of macrophages to exercise training improves innate immunity. Biochemical and Biophysical Research Communications, 2008, 372, 152-156.	2.1	50
11	Oligomerized grape seed polyphenols attenuate inflammatory changes due to antioxidative properties in coculture of adipocytes and macrophages. Journal of Nutritional Biochemistry, 2010, 21, 47-54.	4.2	49
12	Direct and Indirect Suppression of Interleukin-6 Gene Expression in Murine Macrophages by Nuclear Orphan Receptor REV-ERBÎ±. Scientific World Journal, The, 2014, 2014, 1-10.	2.1	45
13	Effect of exercise training on adipocyte-size-dependent expression of leptin and adiponectin. Life Sciences, 2010, 86, 691-698.	4.3	42
14	Screening for seemingly healthy newborns with congenital cytomegalovirus infection by quantitative real-time polymerase chain reaction using newborn urine: an observational study. BMJ Open, 2017, 7, e013810.	1.9	42
15	Voluntary exercise attenuates obesity-associated inflammation through ghrelin expressed in macrophages. Biochemical and Biophysical Research Communications, 2011, 413, 454-459.	2.1	39
16	Hypoxia-inducible factor-1Î± suppresses the expression of macrophage scavenger receptor 1. Pflugers Archiv European Journal of Physiology, 2009, 459, 93-103.	2.8	36
17	Î²2-Adrenergic receptor regulate Toll-like receptor 4-induced late-phase NF-ÎºB activation. Molecular Immunology, 2009, 46, 1195-1203.	2.2	35
18	Down-regulation of Î²2-adrenergic receptor expression by exercise training increases IL-12 production by macrophages following LPS stimulation. Biochemical and Biophysical Research Communications, 2004, 322, 979-984.	2.1	31

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19	Effect of exercise on HIF-1 and VEGF signaling. The Journal of Physical Fitness and Sports Medicine, 2012, 1, 5-16.	0.3	29
20	Higher Levels of ATGL Are Associated with Exercise-Induced Enhancement of Lipolysis in Rat Epididymal Adipocytes. PLoS ONE, 2012, 7, e40876.	2.5	28
21	Possible mechanisms by which adipocyte lipolysis is enhanced in exercise-trained rats. Biochemical and Biophysical Research Communications, 2002, 295, 236-242.	2.1	26
22	The Molecular Mechanism Underlying Continuous Exercise Training-Induced Adaptive Changes of Lipolysis in White Adipose Cells. Journal of Obesity, 2015, 2015, 1-10.	2.7	25
23	Effect of Circadian Rhythm on Clinical and Pathophysiological Conditions and Inflammation. Critical Reviews in Immunology, 2015, 35, 261-275.	0.5	20
24	Effects of exercise training on adipogenesis of stromal-vascular fraction cells in rat epididymal white adipose tissue. Acta Physiologica, 2010, 200, no-no.	3.8	19
25	Regular Voluntary Exercise Potentiates Interleukin-1Î²and Interleukin-18 Secretion by Increasing Caspase-1 Expression in Murine Macrophages. Mediators of Inflammation, 2017, 2017, 1-11.	3.0	18
26	Î²â€Adrenergic receptor trafficking by exercise in rat adipocytes: roles of Gâ€proteinâ€coupled receptor kinaseâ€2, Î²â€arrestinâ€2, and the ubiquitinâ€proteasome pathway. FASEB Journal, 2006, 20, 350-352.	0.5	16
27	Exercise Training Enhances Tumor Necrosis Factor-α–Induced Expressions of Anti-Apoptotic Genes without Alterations in Caspase-3 Activity in Rat Epididymal Adipocytes. The Japanese Journal of Physiology, 2005, 55, 181-9.	0.9	15
28	Enzyme-treated Asparagus officinalis extract shows neuroprotective effects and attenuates cognitive impairment in senescence-accelerated mice. Natural Product Communications, 2014, 9, 101-6.	0.5	15
29	Standardized Extract of Asparagus officinalis Stem Attenuates SARS-CoV-2 Spike Protein-Induced IL-6 and IL-1Î² Production by Suppressing p44/42 MAPK and Akt Phosphorylation in Murine Primary Macrophages. Molecules, 2021, 26, 6189.	3.8	14
30	Enzyme-Treated Asparagus Extract Attenuates Hydrogen Peroxide-Induced Matrix Metalloproteinase-9 Expression in Murine Skin Fibroblast L929 Cells. Natural Product Communications, 2016, 11, 677-80.	0.5	14
31	Enzyme-treated Asparagus officinalis Extract Shows Neuroprotective Effects and Attenuates Cognitive Impairment in Senescence-accelerated Mice. Natural Product Communications, 2014, 9, 1934578X1400900.	0.5	13
32	Anti-Inflammatory Effect of ETASÂ®50 by Inhibiting Nuclear Factor-ÎºB p65 Nuclear Import in Ultraviolet-B-Irradiated Normal Human Dermal Fibroblasts. Evidence-based Complementary and Alternative Medicine, 2018, 2018, 1-8.	1.2	13
33	NEU1 sialidase controls gene expression and secretion of IL-6 and MCP-1through NF- Îº B pathway in 3T3-L1 adipocytes. Journal of Biochemistry, 2017, 162, mvx006.	1.7	12
34	ETAS, an enzyme-treated asparagus extract, attenuates amyloid beta-induced cellular disorder in PC12 cells. Natural Product Communications, 2014, 9, 561-4.	0.5	10
35	Acute exercise alters GÎ±i2 protein expressions through the ubiquitinâ€“proteasome proteolysis pathway in rat adipocytes. Biochemical and Biophysical Research Communications, 2004, 323, 1109-1115.	2.1	9
36	ETAS, an Enzyme-treated Asparagus Extract, Attenuates Amyloid Î²-Induced Cellular Disorder in PC 12 Cells. Natural Product Communications, 2014, 9, 1934578X1400900.	0.5	9

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37	Preventive and improvement effects of exercise training and supplement intake in white adipose tissues on obesity and lifestyle-related diseases. Environmental Health and Preventive Medicine, 2012, 17, 348-356.	3.4	7
38	Exercise Training-Enhanced Lipolytic Potency to Catecholamine Depends on the Time of the Day. International Journal of Molecular Sciences, 2020, 21, 6920.	4.1	7
39	Effects of Î²2-agonists and exercise on Î²2-adrenergic receptor signaling in skeletal muscles. The Journal of Physical Fitness and Sports Medicine, 2012, 1, 139-144.	0.3	6
40	Habitual exercise training acts as a physiological stimulator for constant activation of lipolytic enzymes in rat primary white adipocytes. Biochemical and Biophysical Research Communications, 2015, 464, 348-353.	2.1	6
41	A standardized extract of Asparagus officinalis stem prevents reduction in heat shock protein 70 expression in ultraviolet-B-irradiated normal human dermal fibroblasts: an in vitro study. Environmental Health and Preventive Medicine, 2018, 23, 40.	3.4	6
42	ETASÂ®50 Attenuates Ultraviolet-B-Induced Interleukin-6 Expression by Suppressing Akt Phosphorylation in Normal Human Dermal Fibroblasts. Evidence-based Complementary and Alternative Medicine, 2018, 2018, 1-8.	1.2	4
43	The effects of exercise on macrophage function. The Journal of Physical Fitness and Sports Medicine, 2012, 1, 113-123.	0.3	4
44	Effect of physical exercise on lipolysis in white adipocytes. The Journal of Physical Fitness and Sports Medicine, 2012, 1, 351-356.	0.3	3
45	Stress- and aging-associated modulation of macrophage functions. Environmental Health and Preventive Medicine, 2002, 6, 218-228.	3.4	2
46	Oligonol-induced Degradation of Perilipin 1 is Regulated through Lysosomal Degradation Machinery. Natural Product Communications, 2012, 7, 1934578X1200700.	0.5	2
47	Recent advances in the adaptations of adipose tissue to physical activity: Morphology and adipose tissue cellularity. The Journal of Physical Fitness and Sports Medicine, 2012, 1, 381-387.	0.3	2
48	Physical Activity Attenuates the Obesity-Induced Dysregulated Expression of Brown Adipokines in Murine Interscapular Brown Adipose Tissue. International Journal of Molecular Sciences, 2021, 22, 10391.	4.1	2
49	PHYSICAL EXERCISE AND FREE RADICALS. Japanese Journal of Physical Fitness and Sports Medicine, 2001, 50, 389-415.	0.0	2
50	Comparative evaluation of methods to determine intraâ€individual reference ranges in nutrition support team (NST)â€related tests. Journal of Clinical Laboratory Analysis, 2021, 35, e23639.	2.1	1
51	Exercise and oxidative stress in hypoxia. The Journal of Physical Fitness and Sports Medicine, 2013, 2, 481-486.	0.3	1
52	We have two strategies to attain healthy aging. Geriatrics and Gerontology International, 2004, 4, S311-S312.	1.5	0
53	The experimental system to analyze mRNA expression profiles between slow and fast muscle fibers. Japanese Journal of Physical Fitness and Sports Medicine, 2005, 54, 73-73.	0.0	0
54	Exercise training and the promotion of neurogenesis and neurite outgrowth in the hippocampus. The Journal of Physical Fitness and Sports Medicine, 2012, 1, 333-337.	0.3	0