Eliana H Akamine

List of Publications by Year
in descending order

56 papers	1,804 citations	318942 23 h-index	312153 41 g-index
57 all docs	57 docs citations	57 times ranked	2922 citing authors

#	Article	IF	Citations
1	Angiotensinâ€(1â€7) prevents T3â€induced cardiomyocyte hypertrophy by upregulating FOXO3/SOD1/catalase and downregulating NFâ€ÄB. Journal of Cellular Physiology, 2021, 236, 3059-3072.	2.0	11
2	Gold nanoparticles reduce inflammation in cerebral microvessels of mice with sepsis. Journal of Nanobiotechnology, 2021, 19, 52.	4.2	28
3	Immune spleen cells attenuate the inflammatory profile of the mesenteric perivascular adipose tissue in obese mice. Scientific Reports, 2021, 11, 11153.	1.6	3
4	Toll-Like Receptors Represent an Important Link for Sex Differences in Cardiovascular Aging and Diseases. Frontiers in Aging, 2021, 2, .	1.2	5
5	Intrauterine growth restriction leads to a high-corticosterone producing offspring: An implication for pulmonary infection susceptibility. Life Sciences, 2021, 281, 119764.	2.0	2
6	Combined Neuroprotective Strategies Blocked Neurodegeneration and Improved Brain Function in Senescence-Accelerated Mice. Frontiers in Aging Neuroscience, 2021, 13, 681498.	1.7	3
7	Vascular Aging in Rodent Models: Contrasting Mechanisms Driving the Female and Male Vascular Senescence. Frontiers in Aging, 2021, 2, .	1.2	11
8	The Relevance of Thimet Oligopeptidase in the Regulation of Energy Metabolism and Diet-Induced Obesity. Biomolecules, 2020, 10, 321.	1.8	13
9	Systemic arterial hypertension leads to decreased semen quality and alterations in the testicular microcirculation in rats. Scientific Reports, 2019, 9, 11047.	1.6	28
10	Late Onset of Estrogen Therapy Impairs Carotid Function of Senescent Females in Association with Altered Prostanoid Balance and Upregulation of the Variant ERÎ±36. Cells, 2019, 8, 1217.	1.8	8
11	Mitochondrial DNA: A new driver for sex differences in spontaneous hypertension. Pharmacological Research, 2019, 144, 142-150.	3.1	28
12	Detrimental Impact of Low Birth Weight on Circulating Number and Functional Capacity of Endothelial Progenitor Cells in Healthy Children: Role of Angiogenic Factors. Journal of Pediatrics, 2019, 206, 72-77.e1.	0.9	12
13	Involvement of inducible nitric oxide synthase and estrogen receptor ESR2 (ERÎ²) in the vascular dysfunction in female type 1 diabetic rats. Life Sciences, 2019, 216, 279-286.	2.0	14
14	Beneficial Impact of Moderate to Vigorous Physical Activity Program on Circulating Number and Functional Capacity of Endothelial Progenitor Cells in Children: The Crucial Role of Nitric Oxide and VEGF-A. Pediatric Exercise Science, 2019, 31, 322-329.	0.5	5
15	Intrauterine and lactational exposure to fluoxetine enhances endothelial modulation of aortic contractile response in adult female rats. Vascular Pharmacology, 2018, 108, 67-73.	1.0	7
16	Characteristics of the Endothelium in Both Sexes. , 2018, , 63-81.		1
17	Detrimental Effects of Testosterone Addition to Estrogen Therapy Involve Cytochrome P-450-Induced 20-HETE Synthesis in Aorta of Ovariectomized Spontaneously Hypertensive Rat (SHR), a Model of Postmenopausal Hypertension. Frontiers in Physiology, 2018, 9, 490.	1.3	14
18	Intrauterine exposure to metformin: Evaluation of endothelial and perivascular adipose tissue function in abdominal aorta of adult offspring. Life Sciences, 2018, 207, 72-79.	2.0	6

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19	Treatment with Standard and Low Dose of Conjugated Equine Estrogen Differentially Modulates Estrogen Receptor Expression and Response to Angiotensin II in Mesenteric Venular Bed of Surgically Postmenopausal Hypertensive Rats. Journal of Pharmacology and Experimental Therapeutics, 2017, 362, 98-107.	1.3	6
20	Intrauterine growth restriction increases circulating mitochondrial DNA and Toll-like receptor 9 expression in adult offspring: could aerobic training counteract these adaptations?. Journal of Developmental Origins of Health and Disease, 2017, 8, 236-243.	0.7	3
21	Intrauterine growth restriction-induced deleterious adaptations in endothelial progenitor cells: possible mechanism to impair endothelial function. Journal of Developmental Origins of Health and Disease, 2017, 8, 665-673.	0.7	9
22	Obesity Induces Artery-Specific Alterations: Evaluation of Vascular Function and Inflammatory and Smooth Muscle Phenotypic Markers. BioMed Research International, 2017, 2017, 1-10.	0.9	19
23	H2O2 generated from mitochondrial electron transport chain in thoracic perivascular adipose tissue is crucial for modulation of vascular smooth muscle contraction. Vascular Pharmacology, 2016, 84, 28-37.	1.0	41
24	Endothelial dysfunction in rats with ligature-induced periodontitis: Participation of nitric oxide and cycloxygenase-2-derived products. Archives of Oral Biology, 2016, 63, 66-74.	0.8	22
25	Association of testosterone with estrogen abolishes the beneficial effects of estrogen treatment by increasing ROS generation in aorta endothelial cells. American Journal of Physiology - Heart and Circulatory Physiology, 2015, 308, H723-H732.	1.5	36
26	Toll-like receptor 4 inhibition reduces vascular inflammation in spontaneously hypertensive rats. Life Sciences, 2015, 122, 1-7.	2.0	69
27	Anti-toll like receptor 4 (TLR4) therapy diminishes cardiac remodeling regardless of changes in blood pressure in spontaneously hypertensive rats (SHR). International Journal of Cardiology, 2015, 187, 243-245.	0.8	16
28	Metformin reduces the Walker-256 tumor development in obese-MSG rats via AMPK and FOXO3a. Life Sciences, 2015, 121, 78-87.	2.0	15
29	An Interaction of Renin-Angiotensin and Kallikrein-Kinin Systems Contributes to Vascular Hypertrophy in Angiotensin II-Induced Hypertension: In Vivo and In Vitro Studies. PLoS ONE, 2014, 9, e111117.	1.1	31
30	Upregulation of ERK1/2-eNOS via AT2 Receptors Decreases the Contractile Response to Angiotensin II in Resistance Mesenteric Arteries from Obese Rats. PLoS ONE, 2014, 9, e106029.	1.1	14
31	Influence of Aerobic Training on the Reduced Vasoconstriction to Angiotensin II in Rats Exposed to Intrauterine Growth Restriction: Possible Role of Oxidative Stress and AT2 Receptor of Angiotensin II. PLoS ONE, 2014, 9, e113035.	1.1	24
32	Role of nitric oxide and endothelin in endothelial maintenance of vasoconstrictor responses in aortas of diabetic female rats (ä¸€æ°§åŒ–æ°®ä¸Žå†…çš®ç´¯ç³–å°¿ç—…é›Œæ€§å§¦é¼ä¸»åŠ¨è„‰å†…çš®ç»“æŒè¡€ç®¡æ”¶ç¼©	0.8	7
33	Changes in food intake, metabolic parameters and insulin resistance are induced by an isoenergetic, medium-chain fatty acid diet and are associated with modifications in insulin signalling in isolated rat pancreatic islets. British Journal of Nutrition, 2013, 109, 2154-2165.	1.2	15
34	Toll-like receptor 4 contributes to blood pressure regulation and vascular contraction in spontaneously hypertensive rats. Clinical Science, 2012, 122, 535-543.	1.8	170
35	Improvement of metabolic parameters and vascular function by metformin in obese non-diabetic rats. Life Sciences, 2012, 90, 228-235.	2.0	24
36	Endogenous testosterone increases leukocyteâ€“endothelial cell interaction in spontaneously hypertensive rats. Life Sciences, 2012, 90, 689-694.	2.0	10

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37	Mechanisms of endothelial dysfunction in obesity-associated hypertension. Brazilian Journal of Medical and Biological Research, 2012, 45, 392-400.	0.7	50
38	Metformin reduces the stimulatory effect of obesity on in vivo Walker-256 tumor development and increases the area of tumor necrosis. Life Sciences, 2011, 88, 846-852.	2.0	19
39	Obesity induced by neonatal treatment with monosodium glutamate impairs microvascular reactivity in adult rats: Role of NO and prostanoids. Nutrition, Metabolism and Cardiovascular Diseases, 2011, 21, 808-816.	1.1	39
40	Alterations of NADPH Oxidase Activity in Rat Pancreatic Islets Induced by a High-Fat Diet. Pancreas, 2011, 40, 390-395.	0.5	14
41	Endothelial dysfunction in cardiovascular and endocrine-metabolic diseases: an update. Brazilian Journal of Medical and Biological Research, 2011, 44, 920-932.	0.7	69
42	Dehydroepiandrosterone protects against oxidative stressâ€induced endothelial dysfunction in ovariectomized rats. Journal of Physiology, 2011, 589, 2585-2596.	1.3	65
43	Oxidative stress and inflammatory mediators contribute to endothelial dysfunction in high-fat diet-induced obesity in mice. Journal of Hypertension, 2010, 28, 2111-2119.	0.3	114
44	Obesity induced by high-fat diet promotes insulin resistance in the ovary. Journal of Endocrinology, 2010, 206, 65-74.	1.2	83
45	Modulation of Bone Morphogenetic Protein-9 Expression and Processing by Insulin, Glucose, and Glucocorticoids: Possible Candidate for Hepatic Insulin-Sensitizing Substance. Endocrinology, 2008, 149, 6326-6335.	1.4	46
46	Long-term effects of intrauterine malnutrition on vascular function in female offspring: Implications of oxidative stress. Life Sciences, 2007, 80, 709-715.	2.0	42
47	Correction of Endothelial Dysfunction in Diabetic Female Rats by Tetrahydrobiopterin and Chronic Insulin. Journal of Vascular Research, 2006, 43, 309-320.	0.6	27
48	Decreased Endothelium-Dependent Vasodilation in Diabetic Female Rats: Role of Prostanoids. Journal of Vascular Research, 2006, 43, 401-410.	0.6	17
49	Influence of insulin on the microvascular response to inflammatory mediators in neonatal streptozotocin diabetic rats. Inflammation Research, 2005, 54, 173-179.	1.6	13
50	A lower ratio of AT1/AT2 receptors of angiotensin II is found in female than in male spontaneously hypertensive rats. Cardiovascular Research, 2004, 62, 587-593.	1.8	166
51	Tetrahydrobiopterin improves endothelial dysfunction and vascular oxidative stress in microvessels of intrauterine undernourished rats. Journal of Physiology, 2004, 558, 239-248.	1.3	41
52	Minalrestat and leukocyte migration in diabetes mellitus. Diabetes/Metabolism Research and Reviews, 2003, 19, 223-231.	1.7	11
53	Minalrestat, an Aldose Reductase Inhibitor, Corrects the Impaired Microvascular Reactivity in Diabetes. Journal of Pharmacology and Experimental Therapeutics, 2003, 304, 1236-1242.	1.3	23
54	NADPH oxidase and enhanced superoxide generation in intrauterine undernourished rats: involvement of the reninâ€“angiotensin system. Cardiovascular Research, 2003, 59, 767-775.	1.8	79

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55	Vitamins C and E Improve Endothelial Dysfunction in Intrauterine-Undernourished Rats by Decreasing Vascular Superoxide Anion Concentration. Journal of Cardiovascular Pharmacology, 2003, 42, 211-217.	0.8	34
56	Enhanced Oxidative Stress As a Potential Mechanism Underlying the Programming of Hypertension In Utero. Journal of Cardiovascular Pharmacology, 2002, 40, 501-509.	0.8	121