

Claudia Kusmic

List of Publications by Year in descending order

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Version: 2024-02-01

70
papers

1,532
citations

279798

23
h-index

330143

37
g-index

72
all docs

72
docs citations

72
times ranked

2414
citing authors

#	ARTICLE	IF	CITATIONS
1	Heme Oxygenase-1 Induction Remodels Adipose Tissue and Improves Insulin Sensitivity in Obesity-Induced Diabetic Rats. <i>Hypertension</i> , 2009, 53, 508-515.	2.7	160
2	Triiodothyronine Prevents Cardiac Ischemia/Reperfusion Mitochondrial Impairment and Cell Loss by Regulating miR30a/p53 Axis. <i>Endocrinology</i> , 2014, 155, 4581-4590.	2.8	112
3	The L-4F mimetic peptide prevents insulin resistance through increased levels of HO-1, pAMPK, and pAKT in obese mice. <i>Journal of Lipid Research</i> , 2009, 50, 1293-1304.	4.2	100
4	Diabetes Impairs the Vascular Recruitment of Normal Stem Cells by Oxidant Damage, Reversed by Increases in pAMPK, Heme Oxygenase-1, and Adiponectin. <i>Stem Cells</i> , 2009, 27, 399-407.	3.2	75
5	In vitro modulation of intracellular oxidative stress of endothelial cells by diagnostic cardiac ultrasound. <i>Cardiovascular Research</i> , 2003, 58, 156-161.	3.8	71
6	<i>In Vivo</i> Imaging Shows Abnormal Function of Vascular Endothelial Growth Factor-Induced Vasculature. <i>Human Gene Therapy</i> , 2007, 18, 515-524.	2.7	66
7	Non-invasive assessment of pulse wave velocity in mice by means of ultrasound images. <i>Atherosclerosis</i> , 2014, 237, 31-37.	0.8	49
8	Natural vitamin E enrichment of <i>Artemia salina</i> fed freshwater and marine microalgae. <i>Journal of Applied Phycology</i> , 2003, 15, 75-80.	2.8	47
9	Cardioprotection and thyroid hormones. <i>Heart Failure Reviews</i> , 2016, 21, 391-399.	3.9	42
10	MicroPET/CT imaging of $\alpha_v\beta_3$ integrin via a novel ^{68}Ga -NOTA-RGD peptidomimetic conjugate in rat myocardial infarction. <i>European Journal of Nuclear Medicine and Molecular Imaging</i> , 2013, 40, 1265-1274.	6.4	38
11	Vitamin E Consumption Induced by Oxidative Stress in Red Blood Cells Is Enhanced by Melatonin and Reduced by N-Acetylserotonin. <i>Free Radical Biology and Medicine</i> , 1998, 24, 1187-1192.	2.9	37
12	Enhanced Photoacoustic Signal of Passion Fruit-Like Nanoarchitectures in a Biological Environment. <i>Journal of Physical Chemistry C</i> , 2017, 121, 6955-6961.	3.1	35
13	Impaired oxidative metabolism and lipid peroxidation in exercising muscle from ALS patients. <i>Amyotrophic Lateral Sclerosis and Other Motor Neuron Disorders: Official Publication of the World Federation of Neurology, Research Group on Motor Neuron Diseases</i> , 2002, 3, 57-62.	1.2	34
14	A Robust Design for Cellular Vehicles of Gold Nanorods for Multimodal Imaging. <i>Advanced Functional Materials</i> , 2016, 26, 7178-7185.	14.9	33
15	The Effect of Ginkgo Biloba in Isolated Ischemic/Reperused Rat Heart. <i>Journal of Cardiovascular Pharmacology</i> , 2004, 44, 356-362.	1.9	32
16	Improved myocardial perfusion in chronic diabetic mice by the up-regulation of pLKB1 and AMPK signaling. <i>Journal of Cellular Biochemistry</i> , 2010, 109, 1033-1044.	2.6	32
17	Early and Short-term Triiodothyronine Supplementation Prevents Adverse Postischemic Cardiac Remodeling: Role of Transforming Growth Factor- β 1 and Antifibrotic miRNA Signaling. <i>Molecular Medicine</i> , 2015, 21, 900-911.	4.4	31
18	Organosilicon phantom for photoacoustic imaging. <i>Journal of Biomedical Optics</i> , 2015, 20, 046008.	2.6	30

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19	Selection of reference genes in different myocardial regions of an in vivo ischemia/reperfusion rat model for normalization of antioxidant gene expression. BMC Research Notes, 2012, 5, 124.	1.4	29
20	Effect of Hypothyroidism and Hyperthyroidism on Tissue Thyroid Hormone Concentrations in Rat. European Thyroid Journal, 2016, 5, 27-34.	2.4	29
21	Mitochondrial P2X7 Receptor Localization Modulates Energy Metabolism Enhancing Physical Performance. Function, 2021, 2, zqab005.	2.3	29
22	A new technique for total hepatectomy in the pig for testing liver support devices. Surgery, 1999, 125, 448-455.	1.9	28
23	Angiotensin 2 signal complexity in cardiovascular disease and cancer. Life Sciences, 2019, 239, 117080.	4.3	28
24	Photoreceptor morphology and visual pigment content in the pineal organ and in the retina of juvenile and adult trout, <i>Salmo irideus</i> . Micron, 1993, 24, 279-286.	2.2	24
25	Integrative analysis of differentially expressed genes and miRNAs predicts complex T3-mediated protective circuits in a rat model of cardiac ischemia reperfusion. Scientific Reports, 2018, 8, 13870.	3.3	22
26	Up-regulation of heme oxygenase-1 after infarct initiation reduces mortality, infarct size and left ventricular remodeling: experimental evidence and proof of concept. Journal of Translational Medicine, 2014, 12, 89.	4.4	21
27	Protective Effects of Euthyroidism Restoration on Mitochondria Function and Quality Control in Cardiac Pathophysiology. International Journal of Molecular Sciences, 2019, 20, 3377.	4.1	20
28	Chorioallantoic membrane tumor models highlight the effects of cisplatin compounds in oral carcinoma treatment. IScience, 2022, 25, 103980.	4.1	16
29	Iron Oxide-Gold Core-Shell Nanoparticles as Multimodal Imaging Contrast Agent. IEEE Sensors Journal, 2013, 13, 2341-2347.	4.7	15
30	Low T3 State Is Correlated with Cardiac Mitochondrial Impairments after Ischemia Reperfusion Injury: Evidence from a Proteomic Approach. International Journal of Molecular Sciences, 2015, 16, 26687-26705.	4.1	15
31	Anti-fibrotic effect of paramylon nanofibers from the WZSL mutant of <i>Euglena gracilis</i> on liver damage induced by CCl ₄ in mice. Journal of Functional Foods, 2018, 46, 538-545.	3.4	15
32	Chapter 1 The electrical responses of the trout pineal photoreceptors to brief and prolonged illumination. Progress in Brain Research, 1993, 95, 3-13.	1.4	14
33	Paradoxical coronary microcirculatory constriction during ischemia: a synergic function for nitric oxide and endothelin. American Journal of Physiology - Heart and Circulatory Physiology, 2006, 291, H1814-H1821.	3.2	14
34	Thyroid hormone deiodinases D1, D2, and D3 are expressed in human endothelial dermal microvascular line: effects of thyroid hormones. Molecular and Cellular Biochemistry, 2015, 399, 87-94.	3.1	14
35	Ultrasound-based Pulse Wave Velocity Evaluation in Mice. Journal of Visualized Experiments, 2017, , .	0.3	14
36	Binocular interactions measured by choice reaction times in pigeons. Behavioural Brain Research, 1987, 25, 161-165.	2.2	13

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37	Whole-Body Evaluation of MIBG Tissue Extraction in a Mouse Model of Long-Lasting Type II Diabetes and Its Relationship with Norepinephrine Transport Protein Concentration. <i>Journal of Nuclear Medicine</i> , 2008, 49, 1701-1706.	5.0	13
38	Gas embolization of the liver in a rat model of rapid decompression. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2010, 299, R673-R682.	1.8	13
39	Ultrasonographic Characterization of the <i>db/db</i> Mouse: An Animal Model of Metabolic Abnormalities. <i>Journal of Diabetes Research</i> , 2018, 2018, 1-9.	2.3	12
40	Strategies for non-invasive imaging of polymeric biomaterial in vascular tissue engineering and regenerative medicine using ultrasound and photoacoustic techniques. <i>Polymer International</i> , 2016, 65, 734-740.	3.1	11
41	T3 Critically Affects the Mhrt/Brg1 Axis to Regulate the Cardiac MHC Switch: Role of an Epigenetic Cross-Talk. <i>Cells</i> , 2020, 9, 2155.	4.1	11
42	Modification of cardiac thyroid hormone deiodinases expression in an ischemia/reperfusion rat model after T3 infusion. <i>Molecular and Cellular Biochemistry</i> , 2020, 475, 205-214.	3.1	9
43	Quantitative micro-CT based coronary artery profiling using interactive local thresholding and cylindrical coordinates. <i>Technology and Health Care</i> , 2015, 23, 557-570.	1.2	7
44	T3 enhances Ang2 in rat aorta in myocardial I/R: comparison with left ventricle. <i>Journal of Molecular Endocrinology</i> , 2016, 57, 139-149.	2.5	7
45	Myo-inositol and d-chiro-inositol oral supplementation ameliorate cardiac dysfunction and remodeling in a mouse model of diet-induced obesity. <i>Pharmacological Research</i> , 2020, 159, 105047.	7.1	7
46	A radiofrequency system for <i>in vivo</i> hyperpolarized ¹³ C MRS experiments in mice with a 3T MRI clinical scanner. <i>Scanning</i> , 2016, 38, 710-719.	1.5	6
47	Time Course of Isoflurane-Induced Vasodilation: A Doppler Ultrasound Study of the Left Coronary Artery in Mice. <i>Ultrasound in Medicine and Biology</i> , 2016, 42, 999-1009.	1.5	6
48	Role of miR-133/Dio3 Axis in the T3-Dependent Modulation of Cardiac mitoK-ATP Expression. <i>International Journal of Molecular Sciences</i> , 2022, 23, 6549.	4.1	6
49	Post-dive ultrasound detection of gas in the liver of rats and scuba divers. <i>European Journal of Applied Physiology</i> , 2011, 111, 2213-2219.	2.5	5
50	Binocular probability summation in a choice reaction-time task in pigeons. <i>NeuroReport</i> , 1991, 2, 615-618.	1.2	4
51	Analytical procedure for mapping the distribution of ¹⁰ B and ⁹⁹ Tc markers in cryo-sections of animal tissue samples by secondary ion mass spectrometry. <i>Spectrochimica Acta, Part B: Atomic Spectroscopy</i> , 2009, 64, 911-920.	2.9	4
52	Wave intensity analysis in mice: age-related changes in WIA peaks and correlation with cardiac indexes. <i>Heart and Vessels</i> , 2017, 32, 474-483.	1.2	4
53	An image formation model for Secondary Ion Mass Spectrometry imaging of biological tissue samples. <i>Applied Surface Science</i> , 2010, 257, 1267-1275.	6.1	3
54	Modification of gene expression profiling related to renin-angiotensin system in an ischemia/reperfusion rat model after T3 infusion. <i>Molecular and Cellular Biochemistry</i> , 2018, 449, 277-283.	3.1	3

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55	Distribution of Gadolinium in Rat Heart Studied by Fast Field Cycling Relaxometry and Imaging SIMS. International Journal of Molecular Sciences, 2019, 20, 1339.	4.1	3
56	First prototype of a near infrared tomograph for mapping the myocardial oxygenation in small animal isolated hearts. , 2008, , .		2
57	Percutaneous Cardiac Support during Myocardial Infarction Drastically Reduces Mortality: Perspectives from a Swine Model. International Journal of Artificial Organs, 2017, 40, 338-344.	1.4	2
58	Alterations in Carotid Parameters in ApoE ^{-/-} Mice Treated with a High-Fat Diet: A Micro-ultrasound Analysis. Ultrasound in Medicine and Biology, 2019, 45, 980-988.	1.5	2
59	Murine model of left ventricular diastolic dysfunction and electro-mechanical uncoupling following high-fat diet. International Journal of Obesity, 2020, 44, 1428-1439.	3.4	2
60	The role of metabolic diseases in cardiotoxicity associated with cancer therapy: What we know, what we would know. Life Sciences, 2020, 255, 117843.	4.3	2
61	Modulation of erythrocyte sensitivity to oxidative stress by transient hyperhomocysteinemia in healthy subjects and in patients with coronary artery disease. Nutrition, Metabolism and Cardiovascular Diseases, 2008, 18, 402-407.	2.6	1
62	Molecular Targeting of Imaging and Drug Delivery Probes in Atherosclerosis. Annual Reports in Medicinal Chemistry, 2013, 48, 105-118.	0.9	1
63	Phantom studies with gold nanorods as contrast agents for photoacoustic imaging: novel and old approaches. Proceedings of SPIE, 2015, , .	0.8	1
64	Spatial Inhomogeneity of Cardiac Norepinephrine Transport Protein and Meta-[123I]Iodobenzylguanidine Uptake in Swine Myocardial Tissue. Molecular Imaging and Biology, 2019, 21, 482-490.	2.6	1
65	An algorithm comparing the two mononuclear curves of choice reaction times in pigeons. Journal of Neuroscience Methods, 1990, 32, 87-92.	2.5	0
66	Assessment of aortic pulse wave velocity by ultrasound: a feasibility study in mice. , 2014, , .		0
67	High frequency ultrasound and photoacoustic imaging for tissue characterization in vivo. , 2015, , .		0
68	Pattern of distribution and kinetics of accumulation of gold nanorods in mouse spleen. , 2015, , .		0
69	Novel organosilicon phantoms as testing material for photoacoustic imaging. Proceedings of SPIE, 2016, , .	0.8	0
70	TH Metabolism in Ischemia/Reperfusion Models. , 2020, , 71-83.		0