

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	Chorioallantoic membrane tumor models highlight the effects of cisplatin compounds in oral carcinoma treatment. <i>IScience</i> , 2022, 25, 103980.	4.1	16
2	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
3	Mitochondrial P2X7 Receptor Localization Modulates Energy Metabolism Enhancing Physical Performance. <i>Function</i> , 2021, 2, zqab005.	2.3	29
4	Murine model of left ventricular diastolic dysfunction and electro-mechanical uncoupling following high-fat diet. <i>International Journal of Obesity</i> , 2020, 44, 1428-1439.	3.4	2
5	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
6	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
7	The role of metabolic diseases in cardiotoxicity associated with cancer therapy: What we know, what we would know. <i>Life Sciences</i> , 2020, 255, 117843.	4.3	2
8	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
9	TH Metabolism in Ischemia/Reperfusion Models. , 2020, , 71-83.		0
10	Protective Effects of Euthyroidism Restoration on Mitochondria Function and Quality Control in Cardiac Pathophysiology. <i>International Journal of Molecular Sciences</i> , 2019, 20, 3377.	4.1	20
11	Distribution of Gadolinium in Rat Heart Studied by Fast Field Cycling Relaxometry and Imaging SIMS. <i>International Journal of Molecular Sciences</i> , 2019, 20, 1339.	4.1	3
12	Alterations in Carotid Parameters in ApoE ^{-/-} Mice Treated with a High-Fat Diet: A Micro-ultrasound Analysis. <i>Ultrasound in Medicine and Biology</i> , 2019, 45, 980-988.	1.5	2
13	Angiotensin 2 signal complexity in cardiovascular disease and cancer. <i>Life Sciences</i> , 2019, 239, 117080.	4.3	28
14	Spatial Inhomogeneity of Cardiac Norepinephrine Transport Protein and Meta-[123I]iodobenzylguanidine Uptake in Swine Myocardial Tissue. <i>Molecular Imaging and Biology</i> , 2019, 21, 482-490.	2.6	1
15	Integrative analysis of differentially expressed genes and miRNAs predicts complex T3-mediated protective circuits in a rat model of cardiac ischemia reperfusion. <i>Scientific Reports</i> , 2018, 8, 13870.	3.3	22
16	Anti-fibrotic effect of paramylon nanofibers from the WZSL mutant of <i>Euglena gracilis</i> on liver damage induced by CCl ₄ in mice. <i>Journal of Functional Foods</i> , 2018, 46, 538-545.	3.4	15
17	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
18	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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19	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
20	Ultrasound-based Pulse Wave Velocity Evaluation in Mice. <i>Journal of Visualized Experiments</i> , 2017, , .	0.3	14
21	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
22	Percutaneous Cardiac Support during Myocardial Infarction Drastically Reduces Mortality: Perspectives from a Swine Model. <i>International Journal of Artificial Organs</i> , 2017, 40, 338-344.	1.4	2
23	A Robust Design for Cellular Vehicles of Gold Nanorods for Multimodal Imaging. <i>Advanced Functional Materials</i> , 2016, 26, 7178-7185.	14.9	33
24	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
25	Novel organosilicon phantoms as testing material for photoacoustic imaging. <i>Proceedings of SPIE</i> , 2016, , .	0.8	0
26	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
27	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
28	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
29	Cardioprotection and thyroid hormones. <i>Heart Failure Reviews</i> , 2016, 21, 391-399.	3.9	42
30	Effect of Hypothyroidism and Hyperthyroidism on Tissue Thyroid Hormone Concentrations in Rat. <i>European Thyroid Journal</i> , 2016, 5, 27-34.	2.4	29
31	Low T3 State Is Correlated with Cardiac Mitochondrial Impairments after Ischemia Reperfusion Injury: Evidence from a Proteomic Approach. <i>International Journal of Molecular Sciences</i> , 2015, 16, 26687-26705.	4.1	15
32	High frequency ultrasound and photoacoustic imaging for tissue characterization <i>in vivo</i> . , 2015, , .		0
33	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
34	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
35	Pattern of distribution and kinetics of accumulation of gold nanorods in mouse spleen. , 2015, , .		0
36	Organosilicon phantom for photoacoustic imaging. <i>Journal of Biomedical Optics</i> , 2015, 20, 046008.	2.6	30

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37	Phantom studies with gold nanorods as contrast agents for photoacoustic imaging: novel and old approaches. <i>Proceedings of SPIE</i> , 2015, , .	0.8	1
38	Thyroid hormone deiodinases D1, D2, and D3 are expressed in human endothelial dermal microvascular line: effects of thyroid hormones. <i>Molecular and Cellular Biochemistry</i> , 2015, 399, 87-94.	3.1	14
39	Assessment of aortic pulse wave velocity by ultrasound: a feasibility study in mice. , 2014, , .		0
40	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
41	Non-invasive assessment of pulse wave velocity in mice by means of ultrasound images. <i>Atherosclerosis</i> , 2014, 237, 31-37.	0.8	49
42	Up-regulation of heme oxygenase-1 after infarct initiation reduces mortality, infarct size and left ventricular remodeling: experimental evidence and proof of concept. <i>Journal of Translational Medicine</i> , 2014, 12, 89.	4.4	21
43	Molecular Targeting of Imaging and Drug Delivery Probes in Atherosclerosis. <i>Annual Reports in Medicinal Chemistry</i> , 2013, 48, 105-118.	0.9	1
44	Iron Oxide-Gold Core-Shell Nanoparticles as Multimodal Imaging Contrast Agent. <i>IEEE Sensors Journal</i> , 2013, 13, 2341-2347.	4.7	15
45	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
46	Selection of reference genes in different myocardial regions of an in vivo ischemia/reperfusion rat model for normalization of antioxidant gene expression. <i>BMC Research Notes</i> , 2012, 5, 124.	1.4	29
47	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
48	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
49	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
50	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
51	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
52	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
53	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
54	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

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55	Modulation of erythrocyte sensitivity to oxidative stress by transient hyperhomocysteinemia in healthy subjects and in patients with coronary artery disease. <i>Nutrition, Metabolism and Cardiovascular Diseases</i> , 2008, 18, 402-407.	2.6	1
56	First prototype of a near infrared tomograph for mapping the myocardial oxygenation in small animal isolated hearts. , 2008, , .		2
57	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
58	<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
59	Paradoxical coronary microcirculatory constriction during ischemia: a synergic function for nitric oxide and endothelin. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2006, 291, H1814-H1821.	3.2	14
60	The Effect of Ginkgo Biloba in Isolated Ischemic/Reperfused Rat Heart. <i>Journal of Cardiovascular Pharmacology</i> , 2004, 44, 356-362.	1.9	32
61	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
62	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
63	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
64	A new technique for total hepatectomy in the pig for testing liver support devices. <i>Surgery</i> , 1999, 125, 448-455.	1.9	28
65	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
66	Photoreceptor morphology and visual pigment content in the pineal organ and in the retina of juvenile and adult trout, <i>Salmo irideus</i> . <i>Micron</i> , 1993, 24, 279-286.	2.2	24
67	Chapter 1 The electrical responses of the trout pineal photoreceptors to brief and prolonged illumination. <i>Progress in Brain Research</i> , 1993, 95, 3-13.	1.4	14
68	Binocular probability summation in a choice reaction-time task in pigeons. <i>NeuroReport</i> , 1991, 2, 615-618.	1.2	4
69	An algorithm comparing the two mononuclear curves of choice reaction times in pigeons. <i>Journal of Neuroscience Methods</i> , 1990, 32, 87-92.	2.5	0
70	Binocular interactions measured by choice reaction times in pigeons. <i>Behavioural Brain Research</i> , 1987, 25, 161-165.	2.2	13