

Danina Mirela Muntean

List of Publications by Year in descending order

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Version: 2024-02-01

74
papers

1,807
citations

361388

20
h-index

289230

40
g-index

75
all docs

75
docs citations

75
times ranked

2812
citing authors

#	ARTICLE	IF	CITATIONS
1	Specific inhibition of the mitochondrial permeability transition prevents lethal reperfusion injury. <i>Journal of Molecular and Cellular Cardiology</i> , 2005, 38, 367-374.	1.9	311
2	Mitochondrial NAD ⁺ /NADH Redox State and Diabetic Cardiomyopathy. <i>Antioxidants and Redox Signaling</i> , 2019, 30, 375-398.	5.4	108
3	The Role of Mitochondrial Reactive Oxygen Species in Cardiovascular Injury and Protective Strategies. <i>Oxidative Medicine and Cellular Longevity</i> , 2016, 2016, 1-19.	4.0	91
4	Desflurane-induced Preconditioning Alters Calcium-induced Mitochondrial Permeability Transition. <i>Anesthesiology</i> , 2004, 100, 581-588.	2.5	90
5	Monoamine Oxidases Are Mediators of Endothelial Dysfunction in the Mouse Aorta. <i>Hypertension</i> , 2013, 62, 140-146.	2.7	78
6	Betulinic Acid as a Potent and Complex Antitumor Phytochemical: A Minireview. <i>Anti-Cancer Agents in Medicinal Chemistry</i> , 2014, 14, 936-945.	1.7	69
7	An overview of protective strategies against ischemia/reperfusion injury: The role of hyperbaric oxygen preconditioning. <i>Brain and Behavior</i> , 2018, 8, e00959.	2.2	66
8	Statin-associated myopathy and the quest for biomarkers: can we effectively predict statin-associated muscle symptoms?. <i>Drug Discovery Today</i> , 2017, 22, 85-96.	6.4	64
9	Anti-Angiogenic and Anti-Cancer Evaluation of Betulin Nanoemulsion in Chicken Chorioallantoic Membrane and Skin Carcinoma in Balb/c Mice. <i>Journal of Biomedical Nanotechnology</i> , 2013, 9, 577-589.	1.1	59
10	Monoamine Oxidase-Related Vascular Oxidative Stress in Diseases Associated with Inflammatory Burden. <i>Oxidative Medicine and Cellular Longevity</i> , 2019, 2019, 1-8.	4.0	52
11	Monoamine oxidases are novel sources of cardiovascular oxidative stress in experimental diabetes. <i>Canadian Journal of Physiology and Pharmacology</i> , 2015, 93, 555-561.	1.4	51
12	Standardization of A375 human melanoma models on chicken embryo chorioallantoic membrane and Balb/c nude mice. <i>Oncology Reports</i> , 2017, 38, 89-99.	2.6	39
13	Formation of Palmitic Acid/Ca ²⁺ Complexes in the Mitochondrial Membrane: A Possible Role in the Cyclosporin-Insensitive Permeability Transition. <i>Journal of Bioenergetics and Biomembranes</i> , 2004, 36, 171-178.	2.3	38
14	Assessment of Platelet Respiration as Emerging Biomarker of Disease. <i>Physiological Research</i> , 2019, 68, 347-363.	0.9	33
15	Ageing-induced decrease in cardiac mitochondrial function in healthy rats. <i>Canadian Journal of Physiology and Pharmacology</i> , 2013, 91, 593-600.	1.4	30
16	Betulinic acid suppresses NGAL-induced epithelial-to-mesenchymal transition in melanoma. <i>Biological Chemistry</i> , 2013, 394, 773-781.	2.5	28
17	Monoamine oxidase inhibition improves vascular function in mammary arteries from nondiabetic and diabetic patients with coronary heart disease. <i>Canadian Journal of Physiology and Pharmacology</i> , 2016, 94, 1040-1047.	1.4	27
18	Identification of Resveratrol as Bioactive Compound of Propolis from Western Romania and Characterization of Phenolic Profile and Antioxidant Activity of Ethanolic Extracts. <i>Molecules</i> , 2019, 24, 3368.	3.8	26

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19	Quercetin exerts an inhibitory effect on cellular bioenergetics of the B164A5 murine melanoma cell line. <i>Molecular and Cellular Biochemistry</i> , 2018, 447, 103-109.	3.1	25
20	New Improved Drug Delivery Technologies for Pentacyclic Triterpenes: A Review. <i>Protein and Peptide Letters</i> , 2014, 21, 1137-1145.	0.9	22
21	Ischaemic postconditioning reduces infarct size: Systematic review and meta-analysis of randomized controlled trials. <i>Archives of Cardiovascular Diseases</i> , 2015, 108, 39-49.	1.6	21
22	Monoamine oxidase is a source of oxidative stress in obese patients with chronic inflammation. <i>Canadian Journal of Physiology and Pharmacology</i> , 2019, 97, 844-849.	1.4	21
23	<i>In Vitro</i> Evaluation of the Antimicrobial Ability and Cytotoxicity on Two Melanoma Cell Lines of a Benzylamide Derivative of Maslinic Acid. <i>Analytical Cellular Pathology</i> , 2016, 2016, 1-6.	1.4	20
24	Methylene blue improves mitochondrial respiration and decreases oxidative stress in a substrate-dependent manner in diabetic rat hearts. <i>Canadian Journal of Physiology and Pharmacology</i> , 2017, 95, 1376-1382.	1.4	17
25	Assessment of the Antiangiogenic and Anti-Inflammatory Properties of a Maslinic Acid Derivative and its Potentiation using Zinc Chloride. <i>International Journal of Molecular Sciences</i> , 2019, 20, 2828.	4.1	17
26	Volatile anaesthetics and cardioprotection – lessons from animal studies. <i>Fundamental and Clinical Pharmacology</i> , 2013, 27, 21-34.	1.9	16
27	Vitamin D alleviates oxidative stress in adipose tissue and mesenteric vessels from obese patients with subclinical inflammation. <i>Canadian Journal of Physiology and Pharmacology</i> , 2020, 98, 85-92.	1.4	16
28	Cell-Permeable Succinate Rescues Mitochondrial Respiration in Cellular Models of Statin Toxicity. <i>International Journal of Molecular Sciences</i> , 2021, 22, 424.	4.1	16
29	Dysfunctional HDL: the journey from savior to slayer. <i>Clinical Lipidology</i> , 2014, 9, 49-59.	0.4	15
30	The effect of purinergic signaling via the P2Y11 receptor on vascular function in a rat model of acute inflammation. <i>Molecular and Cellular Biochemistry</i> , 2017, 431, 37-44.	3.1	15
31	Substrate-specific impairment of mitochondrial respiration in permeabilized fibers from patients with coronary heart disease versus valvular disease. <i>Molecular and Cellular Biochemistry</i> , 2013, 379, 229-234.	3.1	14
32	Monoamine Oxidases as Potential Contributors to Oxidative Stress in Diabetes: Time for a Study in Patients Undergoing Heart Surgery. <i>BioMed Research International</i> , 2015, 2015, 1-9.	1.9	14
33	Stimulation of P2Y11 receptor protects human cardiomyocytes against Hypoxia/Reoxygenation injury and involves PKC δ signaling pathway. <i>Scientific Reports</i> , 2019, 9, 11613.	3.3	14
34	Vitamin D improves vascular function and decreases monoamine oxidase A expression in experimental diabetes. <i>Molecular and Cellular Biochemistry</i> , 2019, 453, 33-40.	3.1	14
35	Pleiotropic Effects of Eugenol: The Good, the Bad, and the Unknown. <i>Oxidative Medicine and Cellular Longevity</i> , 2021, 2021, 1-15.	4.0	14
36	Metformin alleviates monoamine oxidase-related vascular oxidative stress and endothelial dysfunction in rats with diet-induced obesity. <i>Molecular and Cellular Biochemistry</i> , 2021, 476, 4019-4029.	3.1	13

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37	Influence of emulsifiers on the characteristics of polyurethane structures used as drug carrier. <i>Chemistry Central Journal</i> , 2013, 7, 66.	2.6	12
38	Risk stratification in patients with heart failure: the value of considering both global longitudinal left ventricular strain and mechanical dispersion. <i>Canadian Journal of Physiology and Pharmacology</i> , 2017, 95, 1360-1368.	1.4	12
39	Monoamine oxidase inhibition improves vascular function and reduces oxidative stress in rats with lipopolysaccharide-induced inflammation. <i>General Physiology and Biophysics</i> , 2018, 37, 687-694.	0.9	12
40	Examination of the Role of Mitochondrial Morphology and Function in the Cardioprotective Effect of Sodium Nitrite Administered 24 h Before Ischemia/Reperfusion Injury. <i>Frontiers in Pharmacology</i> , 2018, 9, 286.	3.5	11
41	Impact of Dietary Restriction Regimens on Mitochondria, Heart, and Endothelial Function: A Brief Overview. <i>Frontiers in Physiology</i> , 2021, 12, 768383.	2.8	11
42	Cardioprotection against myocardial reperfusion injury: successes, failures, and perspectives. <i>Canadian Journal of Physiology and Pharmacology</i> , 2013, 91, 657-662.	1.4	10
43	Magnesium orotate elicits acute cardioprotection at reperfusion in isolated and in vivo rat hearts. <i>Canadian Journal of Physiology and Pharmacology</i> , 2013, 91, 108-115.	1.4	10
44	Activation of prosurvival signaling pathways during the memory phase of volatile anesthetic preconditioning in human myocardium: a pilot study. <i>Molecular and Cellular Biochemistry</i> , 2014, 388, 195-201.	3.1	10
45	Improvement of Platelet Respiration by Cell-Permeable Succinate in Diabetic Patients Treated with Statins. <i>Life</i> , 2021, 11, 288.	2.4	10
46	Monoamine oxidase is a source of cardiac oxidative stress in obese rats: the beneficial role of metformin. <i>Molecular and Cellular Biochemistry</i> , 2023, 478, 59-67.	3.1	10
47	Modulation of P2Y11-related purinergic signaling in inflammation and cardio-metabolic diseases. <i>European Journal of Pharmacology</i> , 2020, 876, 173060.	3.5	9
48	Modulation of Cancer Metabolism by Phytochemicals - A Brief Overview. <i>Anti-Cancer Agents in Medicinal Chemistry</i> , 2018, 18, 684-692.	1.7	9
49	ASSESSMENT OF LIPID PROFILE OF EIGHT PROPOLIS SAMPLES FROM WESTERN ROMANIA. <i>Farmacia</i> , 2019, 67, 126-132.	0.4	9
50	Cell-Permeable Succinate Rescues Mitochondrial Respiration in Cellular Models of Amiodarone Toxicity. <i>International Journal of Molecular Sciences</i> , 2021, 22, 11786.	4.1	9
51	Impairment of mitochondrial respiration in platelets and placentas: a pilot study in preeclamptic pregnancies. <i>Molecular and Cellular Biochemistry</i> , 2022, 477, 1987-2000.	3.1	9
52	Modulation of mitochondrial respiratory function and ROS production by novel benzopyran analogues. <i>Canadian Journal of Physiology and Pharmacology</i> , 2015, 93, 811-818.	1.4	8
53	<p>Thrombospondin-1 Serum Levels In Hypertensive Patients With Endothelial Dysfunction After One Year Of Treatment With Perindopril</p>. <i>Drug Design, Development and Therapy</i> , 2019, Volume 13, 3515-3526.	4.3	8
54	Contribution of monoamine oxidases to vascular oxidative stress in patients with end-stage renal disease requiring hemodialysis. <i>Canadian Journal of Physiology and Pharmacology</i> , 2017, 95, 1383-1388.	1.4	7

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55	P172 Monoamine oxidase inhibition corrects endothelial dysfunction in experimental diabetes. <i>Cardiovascular Research</i> , 2014, 103, S30.3-S30.	3.8	6
56	Acute inhibition of monoamine oxidase and ischemic preconditioning in isolated rat hearts: interference with postischemic functional recovery but no effect on infarct size reduction. <i>Canadian Journal of Physiology and Pharmacology</i> , 2015, 93, 819-825.	1.4	6
57	Mesenchymal Stromal Cells Differentiating to Adipocytes Accumulate Autophagic Vesicles Instead of Functional Lipid Droplets. <i>Journal of Cellular Physiology</i> , 2016, 231, 863-875.	4.1	6
58	Methylene blue alleviates endothelial dysfunction and reduces oxidative stress in aortas from diabetic rats. <i>Canadian Journal of Physiology and Pharmacology</i> , 2018, 96, 1012-1016.	1.4	6
59	Metabolic therapy: cardioprotective effects of orotic acid and its derivatives. <i>Biomedical Reviews</i> , 2014, 21, 47.	0.6	6
60	L-364,373 (R-L3) enantiomers have opposite modulating effects on Ca^{2+} in mammalian ventricular myocytes. <i>Canadian Journal of Physiology and Pharmacology</i> , 2013, 91, 586-592.	1.4	5
61	Assessment of Platelet Mitochondrial Respiration in a Pediatric Population: A Pilot Study in Healthy Children and Children with Acute Lymphoblastic Leukemia. <i>Children</i> , 2021, 8, 1196.	1.5	5
62	Future Perspectives in the Pharmacological Treatment of Atrial Fibrillation and Ventricular Arrhythmias in Heart Failure. <i>Current Pharmaceutical Design</i> , 2014, 21, 1011-1029.	1.9	4
63	ATP-Sensitive Potassium Channel Modulators and Cardiac Arrhythmias: An Update. <i>Current Pharmaceutical Design</i> , 2014, 21, 1091-1102.	1.9	4
64	Monoamine oxidase-a inhibition reverses endothelial dysfunction in hypertensive rat aortic rings. <i>Revista Medico-chirurgicala A Societatii De Medici Si Naturalisti Din Iasi</i> , 2013, 117, 165-71.	0.1	4
65	Placental oxidative stress and monoamine oxidase expression are increased in severe preeclampsia: a pilot study. <i>Molecular and Cellular Biochemistry</i> , 2022, 477, 2851-2861.	3.1	4
66	Characterization of the Eugenol Effects on the Bioenergetic Profile of SCC-4 Human Squamous Cell Carcinoma Cell Line. <i>Revista De Chimie (discontinued)</i> , 2018, 69, 2567-2570.	0.4	3
67	Are Inherited Combined Thrombophilia Mutations a Causative or an Additive Factor in Recurrent Venous Thrombotic Accidents?. <i>Clinical Laboratory</i> , 2019, 65, .	0.5	2
68	In vivo confocal microscopy quantification of reactive oxygen species: a working model in rat kidney. <i>Romanian Journal of Morphology and Embryology</i> , 2017, 58, 953-960.	0.8	2
69	Development of a High-Performance Anesthesia Ventilator for Research in Small Animals. <i>International Journal of Artificial Organs</i> , 2014, 37, 436-441.	1.4	1
70	Cardiac Arrhythmias: Introduction, Electrophysiology of the Heart, Action Potential and Membrane Currents. , 2015, , 977-1002.		1
71	Mitochondrial KATP channels are possible triggers of ischemic preconditioning protective effect against reperfusion arrhythmias. <i>Journal of Molecular and Cellular Cardiology</i> , 2002, 34, A44.	1.9	0
72	Metabolic Memory in Diabetes – Mechanistic Insights and the Impact of Cardiovascular Medication. <i>Revista Romana De Cardiologie</i> , 2021, 31, 511-516.	0.1	0

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73	Cost Analysis of Imaging Diagnostic Tests Used in the Management of Peripheral Arterial Disease. Serbian Journal of Experimental and Clinical Research, 2019, 20, 15-24.	0.1	0
74	New Evidence Supporting Joint Preservation Procedures of the Hip A confocal microscopy study of the femoral head. Revista De Chimie (discontinued), 2019, 70, 3561-3563.	0.4	0