

# Danina Mirela Muntean

## List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

70  
papers

1,315  
citations

18  
h-index

34  
g-index

75  
ext. papers

1,586  
ext. citations

3.5  
avg, IF

4.44  
L-index

#	Paper	IF	Citations
70	Specific inhibition of the mitochondrial permeability transition prevents lethal reperfusion injury. <i>Journal of Molecular and Cellular Cardiology</i> , <b>2005</b> , 38, 367-74	5.8	281
69	Desflurane-induced preconditioning alters calcium-induced mitochondrial permeability transition. <i>Anesthesiology</i> , <b>2004</b> , 100, 581-8	4.3	80
68	The Role of Mitochondrial Reactive Oxygen Species in Cardiovascular Injury and Protective Strategies. <i>Oxidative Medicine and Cellular Longevity</i> , <b>2016</b> , 2016, 8254942	6.7	72
67	Monoamine oxidases are mediators of endothelial dysfunction in the mouse aorta. <i>Hypertension</i> , <b>2013</b> , 62, 140-6	8.5	63
66	Betulinic acid as a potent and complex antitumor phytochemical: a minireview. <i>Anti-Cancer Agents in Medicinal Chemistry</i> , <b>2014</b> , 14, 936-45	2.2	57
65	Mitochondrial NAD/NADH Redox State and Diabetic Cardiomyopathy. <i>Antioxidants and Redox Signaling</i> , <b>2019</b> , 30, 375-398	8.4	50
64	Statin-associated myopathy and the quest for biomarkers: can we effectively predict statin-associated muscle symptoms?. <i>Drug Discovery Today</i> , <b>2017</b> , 22, 85-96	8.8	48
63	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> , <b>2013</b> , 9, 577-89	4	47
62	An overview of protective strategies against ischemia/reperfusion injury: The role of hyperbaric oxygen preconditioning. <i>Brain and Behavior</i> , <b>2018</b> , 8, e00959	3.4	42
61	Monoamine oxidases are novel sources of cardiovascular oxidative stress in experimental diabetes. <i>Canadian Journal of Physiology and Pharmacology</i> , <b>2015</b> , 93, 555-61	2.4	37
60	Formation of palmitic acid/Ca <sup>2+</sup> complexes in the mitochondrial membrane: a possible role in the cyclosporin-insensitive permeability transition. <i>Journal of Bioenergetics and Biomembranes</i> , <b>2004</b> , 36, 171-8	3.7	36
59	Monoamine Oxidase-Related Vascular Oxidative Stress in Diseases Associated with Inflammatory Burden. <i>Oxidative Medicine and Cellular Longevity</i> , <b>2019</b> , 2019, 8954201	6.7	30
58	Standardization of A375 human melanoma models on chicken embryo chorioallantoic membrane and Balb/c nude mice. <i>Oncology Reports</i> , <b>2017</b> , 38, 89-99	3.5	30
57	Ageing-induced decrease in cardiac mitochondrial function in healthy rats. <i>Canadian Journal of Physiology and Pharmacology</i> , <b>2013</b> , 91, 593-600	2.4	26
56	Betulinic acid suppresses NGAL-induced epithelial-to-mesenchymal transition in melanoma. <i>Biological Chemistry</i> , <b>2013</b> , 394, 773-81	4.5	25
55	Ischaemic postconditioning reduces infarct size: systematic review and meta-analysis of randomized controlled trials. <i>Archives of Cardiovascular Diseases</i> , <b>2015</b> , 108, 39-49	2.7	18
54	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> , <b>2016</b> , 94, 1040-1047	2.4	18

53	Assessment of platelet respiration as emerging biomarker of disease. <i>Physiological Research</i> , <b>2019</b> , 68, 347-363	2.1	18
52	Evaluation of the Antimicrobial Ability and Cytotoxicity on Two Melanoma Cell Lines of a Benzamide Derivative of Maslinic Acid. <i>Analytical Cellular Pathology</i> , <b>2016</b> , 2016, 2787623	3.4	17
51	Quercetin exerts an inhibitory effect on cellular bioenergetics of the B164A5 murine melanoma cell line. <i>Molecular and Cellular Biochemistry</i> , <b>2018</b> , 447, 103-109	4.2	16
50	Volatile anaesthetics and cardioprotection: lessons from animal studies. <i>Fundamental and Clinical Pharmacology</i> , <b>2013</b> , 27, 21-34	3.1	15
49	New improved drug delivery technologies for pentacyclic triterpenes: a review. <i>Protein and Peptide Letters</i> , <b>2014</b> , 21, 1137-45	1.9	15
48	The effect of purinergic signaling via the PY receptor on vascular function in a rat model of acute inflammation. <i>Molecular and Cellular Biochemistry</i> , <b>2017</b> , 431, 37-44	4.2	13
47	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> , <b>2019</b> , 24,	4.8	13
46	Vitamin D improves vascular function and decreases monoamine oxidase A expression in experimental diabetes. <i>Molecular and Cellular Biochemistry</i> , <b>2019</b> , 453, 33-40	4.2	13
45	Monoamine oxidase is a source of oxidative stress in obese patients with chronic inflammation. <i>Canadian Journal of Physiology and Pharmacology</i> , <b>2019</b> , 97, 844-849	2.4	12
44	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> , <b>2017</b> , 95, 1376-1382	2.4	12
43	Monoamine Oxidases as Potential Contributors to Oxidative Stress in Diabetes: Time for a Study in Patients Undergoing Heart Surgery. <i>BioMed Research International</i> , <b>2015</b> , 2015, 515437	3	12
42	Monoamine oxidase inhibition improves vascular function and reduces oxidative stress in rats with lipopolysaccharide-induced inflammation. <i>General Physiology and Biophysics</i> , <b>2018</b> , 37, 687-694	2.1	12
41	Substrate-specific impairment of mitochondrial respiration in permeabilized fibers from patients with coronary heart disease versus valvular disease. <i>Molecular and Cellular Biochemistry</i> , <b>2013</b> , 379, 229-347	4.2	11
40	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> , <b>2014</b> , 388, 195-201	4.2	10
39	Dysfunctional HDL: the journey from savior to slayer. <i>Clinical Lipidology</i> , <b>2014</b> , 9, 49-59		10
38	Influence of emulsifiers on the characteristics of polyurethane structures used as drug carrier. <i>Chemistry Central Journal</i> , <b>2013</b> , 7, 66		10
37	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> , <b>2019</b> , 20,	6.3	9
36	Stimulation of P2Y11 receptor protects human cardiomyocytes against Hypoxia/Reoxygenation injury and involves PKC $\beta$ signaling pathway. <i>Scientific Reports</i> , <b>2019</b> , 9, 11613	4.9	9

35	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> , <b>2018</b> , 9, 286	5.6	8
34	Magnesium orotate elicits acute cardioprotection at reperfusion in isolated and in vivo rat hearts. <i>Canadian Journal of Physiology and Pharmacology</i> , <b>2013</b> , 91, 108-15	2.4	8
33	Cardioprotection against myocardial reperfusion injury: successes, failures, and perspectives. <i>Canadian Journal of Physiology and Pharmacology</i> , <b>2013</b> , 91, 657-62	2.4	7
32	ASSESSMENT OF LIPID PROFILE OF EIGHT PROPOLIS SAMPLES FROM WESTERN ROMANIA. <i>Farmacia</i> , <b>2019</b> , 67, 126-132	1.7	7
31	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> , <b>2020</b> , 98, 85-92	2.4	7
30	Modulation of mitochondrial respiratory function and ROS production by novel benzopyran analogues. <i>Canadian Journal of Physiology and Pharmacology</i> , <b>2015</b> , 93, 811-8	2.4	6
29	Modulation of P2Y11-related purinergic signaling in inflammation and cardio-metabolic diseases. <i>European Journal of Pharmacology</i> , <b>2020</b> , 876, 173060	5.3	6
28	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> , <b>2017</b> , 95, 1383-1388	2.4	6
27	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> , <b>2015</b> , 93, 819-25	2.4	5
26	P172 Monoamine oxidase inhibition corrects endothelial dysfunction in experimental diabetes. <i>Cardiovascular Research</i> , <b>2014</b> , 103, S30.3-S30	9.9	5
25	Metabolic therapy: cardioprotective effects of orotic acid and its derivatives. <i>Biomedical Reviews</i> , <b>2014</b> , 21, 47	4	5
24	Modulation of Cancer Metabolism by Phytochemicals - A Brief Overview. <i>Anti-Cancer Agents in Medicinal Chemistry</i> , <b>2018</b> , 18, 684-692	2.2	5
23	Improvement of Platelet Respiration by Cell-Permeable Succinate in Diabetic Patients Treated with Statins. <i>Life</i> , <b>2021</b> , 11,	3	5
22	Mesenchymal Stromal Cells Differentiating to Adipocytes Accumulate Autophagic Vesicles Instead of Functional Lipid Droplets. <i>Journal of Cellular Physiology</i> , <b>2016</b> , 231, 863-75	7	5
21	Cell-Permeable Succinate Rescues Mitochondrial Respiration in Cellular Models of Statin Toxicity. <i>International Journal of Molecular Sciences</i> , <b>2021</b> , 22,	6.3	5
20	Methylene blue alleviates endothelial dysfunction and reduces oxidative stress in aortas from diabetic rats. <i>Canadian Journal of Physiology and Pharmacology</i> , <b>2018</b> , 96, 1012-1016	2.4	4
19	Future perspectives in the pharmacological treatment of atrial fibrillation and ventricular arrhythmias in heart failure. <i>Current Pharmaceutical Design</i> , <b>2015</b> , 21, 1011-29	3.3	4
18	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> , <b>2013</b> , 117, 165-71		4

17	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> , <b>2017</b> , 95, 1360-1368	2.4	3
16	ATP-sensitive potassium channel modulators and cardiac arrhythmias: an update. <i>Current Pharmaceutical Design</i> , <b>2015</b> , 21, 1091-102	3.3	3
15	Pleiotropic Effects of Eugenol: The Good, the Bad, and the Unknown. <i>Oxidative Medicine and Cellular Longevity</i> , <b>2021</b> , 2021, 3165159	6.7	3
14	Thrombospondin-1 Serum Levels In Hypertensive Patients With Endothelial Dysfunction After One Year Of Treatment With Perindopril. <i>Drug Design, Development and Therapy</i> , <b>2019</b> , 13, 3515-3526	4.4	2
13	L-364,373 (R-L3) enantiomers have opposite modulating effects on IKs in mammalian ventricular myocytes. <i>Canadian Journal of Physiology and Pharmacology</i> , <b>2013</b> , 91, 586-92	2.4	2
12	Characterization of the Eugenol Effects on the Bioenergetic Profile of SCC-4 Human Squamous Cell Carcinoma Cell Line. <i>Revista De Chimie (discontinued)</i> , <b>2018</b> , 69, 2567-2570	1.8	2
11	Are Inherited Combined Thrombophilia Mutations a Causative or an Additive Factor in Recurrent Venous Thrombotic Accidents?. <i>Clinical Laboratory</i> , <b>2019</b> , 65,	2	2
10	Cell-Permeable Succinate Rescues Mitochondrial Respiration in Cellular Models of Amiodarone Toxicity. <i>International Journal of Molecular Sciences</i> , <b>2021</b> , 22,	6.3	2
9	Metformin alleviates monoamine oxidase-related vascular oxidative stress and endothelial dysfunction in rats with diet-induced obesity. <i>Molecular and Cellular Biochemistry</i> , <b>2021</b> , 476, 4019-4029	4.2	2
8	Development of a high-performance anesthesia ventilator for research in small animals. <i>International Journal of Artificial Organs</i> , <b>2014</b> , 37, 436-41	1.9	1
7	Cardiac Arrhythmias: Introduction, Electrophysiology of the Heart, Action Potential and Membrane Currents <b>2015</b> , 977-1002		1
6	In vivo confocal microscopy quantification of reactive oxygen species: a working model in rat kidney. <i>Romanian Journal of Morphology and Embryology</i> , <b>2017</b> , 58, 953-960	0.6	1
5	Assessment of Platelet Mitochondrial Respiration in a Pediatric Population: A Pilot Study in Healthy Children and Children with Acute Lymphoblastic Leukemia.. <i>Children</i> , <b>2021</b> , 8,	2.8	1
4	Monoamine Oxidase, Obesity and Related Comorbidities: Discovering Bonds <b>2021</b> , 199-213		0
3	Impairment of mitochondrial respiration in platelets and placentas: a pilot study in preeclamptic pregnancies.. <i>Molecular and Cellular Biochemistry</i> , <b>2022</b> , 1	4.2	0
2	Impact of Dietary Restriction Regimens on Mitochondria, Heart, and Endothelial Function: A Brief Overview.. <i>Frontiers in Physiology</i> , <b>2021</b> , 12, 768383	4.6	0
1	Cost Analysis of Imaging Diagnostic Tests Used in the Management of Peripheral Arterial Disease. <i>Serbian Journal of Experimental and Clinical Research</i> , <b>2019</b> , 20, 15-24	0.3	