

Michaela Adamcova

List of Publications by Year in descending order

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70
papers

2,266
citations

201575

27
h-index

223716

46
g-index

71
all docs

71
docs citations

71
times ranked

2810
citing authors

#	ARTICLE	IF	CITATIONS
1	Anthracycline-induced cardiotoxicity: Overview of studies examining the roles of oxidative stress and free cellular iron. <i>Pharmacological Reports</i> , 2009, 61, 154-171.	1.5	633
2	Veterinary and toxicological applications for the detection of cardiac injury using cardiac troponin. <i>Veterinary Journal</i> , 2010, 185, 50-57.	0.6	81
3	Melatonin reduces cardiac remodeling and improves survival in rats with isoproterenol-induced heart failure. <i>Journal of Pineal Research</i> , 2014, 57, 177-184.	3.4	70
4	Troponin as a marker of myocardial damage in drug-induced cardiotoxicity. <i>Expert Opinion on Drug Safety</i> , 2005, 4, 457-472.	1.0	64
5	Effect of melatonin, captopril, spironolactone and simvastatin on blood pressure and left ventricular remodelling in spontaneously hypertensive rats. <i>Journal of Hypertension</i> , 2009, 27, S5-S10.	0.3	59
6	Proteomic insights into chronic anthracycline cardiotoxicity. <i>Journal of Molecular and Cellular Cardiology</i> , 2011, 50, 849-862.	0.9	57
7	Anthracycline-Induced Cardiotoxicity. <i>Acta Medica (Hradec Kralove)</i> , 2000, 43, 75-82.	0.2	57
8	In vitro and in vivo examination of cardiac troponins as biochemical markers of drug-induced cardiotoxicity. <i>Toxicology</i> , 2007, 237, 218-228.	2.0	55
9	Dexrazoxane-afforded protection against chronic anthracycline cardiotoxicity in vivo: effective rescue of cardiomyocytes from apoptotic cell death. <i>British Journal of Cancer</i> , 2009, 101, 792-802.	2.9	53
10	Rabbit model for in vivo study of anthracycline-induced heart failure and for the evaluation of protective agents. <i>European Journal of Heart Failure</i> , 2004, 6, 377-387.	2.9	52
11	Chronic Anthracycline Cardiotoxicity: Molecular and Functional Analysis with Focus on Nuclear Factor Erythroid 2-Related Factor 2 and Mitochondrial Biogenesis Pathways. <i>Journal of Pharmacology and Experimental Therapeutics</i> , 2012, 343, 468-478.	1.3	48
12	Deferiprone Does Not Protect against Chronic Anthracycline Cardiotoxicity in Vivo. <i>Journal of Pharmacology and Experimental Therapeutics</i> , 2008, 326, 259-269.	1.3	43
13	Continuous light and L-NAME-induced left ventricular remodelling: different protection with melatonin and captopril. <i>Journal of Hypertension</i> , 2010, 28, S13-S18.	0.3	43
14	Anthracycline toxicity to cardiomyocytes or cancer cells is differently affected by iron chelation with salicylaldehyde isonicotinoyl hydrazone. <i>British Journal of Pharmacology</i> , 2008, 155, 138-148.	2.7	42
15	Hypertension and Cardiovascular Remodelling in Rats Exposed to Continuous Light: Protection by ACE-Inhibition and Melatonin. <i>Mediators of Inflammation</i> , 2014, 2014, 1-10.	1.4	41
16	Effect of Melatonin on the Renin-Angiotensin-Aldosterone System in L-NAME-Induced Hypertension. <i>Molecules</i> , 2018, 23, 265.	1.7	41
17	Cardioprotective Effects of a Novel Iron Chelator, Pyridoxal 2-Chlorobenzoyl Hydrazone, in the Rabbit Model of Daunorubicin-Induced Cardiotoxicity. <i>Journal of Pharmacology and Experimental Therapeutics</i> , 2006, 319, 1336-1347.	1.3	40
18	Cardiac troponin T as a marker of myocardial damage caused by antineoplastic drugs in rabbits. <i>Journal of Cancer Research and Clinical Oncology</i> , 1999, 125, 268-274.	1.2	39

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19	Study of daunorubicin cardiotoxicity prevention with pyridoxal isonicotinoyl hydrazone in rabbits. <i>Pharmacological Research</i> , 2005, 51, 223-231.	3.1	39
20	Molecular Remodeling of Left and Right Ventricular Myocardium in Chronic Anthracycline Cardiotoxicity and Post-Treatment Follow Up. <i>PLoS ONE</i> , 2014, 9, e96055.	1.1	38
21	Comparative study of chronic toxic effects of daunorubicin and doxorubicin in rabbits. <i>Human and Experimental Toxicology</i> , 2002, 21, 649-657.	1.1	36
22	Melatonin prevents fibrosis but not hypertrophy development in the left ventricle of NG-nitro-L-arginine-methyl ester hypertensive rats. <i>Journal of Hypertension</i> , 2009, 27, S11-S16.	0.3	35
23	Iron chelation-afforded cardioprotection against chronic anthracycline cardiotoxicity: A study of salicylaldehyde isonicotinoyl hydrazone (SIH). <i>Toxicology</i> , 2007, 235, 150-166.	2.0	32
24	Doxorubicin-induced behavioral disturbances in rats: Protective effect of melatonin and captopril. <i>Pharmacology Biochemistry and Behavior</i> , 2014, 124, 284-289.	1.3	31
25	Regression of left ventricular hypertrophy and aortic remodelling in NO-deficient hypertensive rats: effect of L-arginine and spironolactone. <i>Acta Physiologica</i> , 2008, 194, 45-55.	1.8	30
26	Myocardial regulatory proteins and heart failure. <i>European Journal of Heart Failure</i> , 2006, 8, 333-342.	2.9	29
27	Multiplex biomarker approach to cardiovascular diseases. <i>Acta Pharmacologica Sinica</i> , 2018, 39, 1068-1072.	2.8	29
28	Early and delayed cardioprotective intervention with dexrazoxane each show different potential for prevention of chronic anthracycline cardiotoxicity in rabbits. <i>Toxicology</i> , 2013, 311, 191-204.	2.0	28
29	Antiarrhythmic Effects of Melatonin and Omega-3 Are Linked with Protection of Myocardial Cx43 Topology and Suppression of Fibrosis in Catecholamine Stressed Normotensive and Hypertensive Rats. <i>Antioxidants</i> , 2020, 9, 546.	2.2	28
30	Effect of Ivabradine on a Hypertensive Heart and the Renin-Angiotensin-Aldosterone System in L-NAME-Induced Hypertension. <i>International Journal of Molecular Sciences</i> , 2018, 19, 3017.	1.8	25
31	Clinically Translatable Prevention of Anthracycline Cardiotoxicity by Dexrazoxane Is Mediated by Topoisomerase II Beta and Not Metal Chelation. <i>Circulation: Heart Failure</i> , 2021, 14, e008209.	1.6	24
32	Cardiac troponin T in pregnant women having intravenous tocolytic therapy. <i>Archives of Gynecology and Obstetrics</i> , 1999, 262, 121-126.	0.8	21
33	Myocardial content of selected elements in experimental anthracycline-induced cardiomyopathy in rabbits. <i>BioMetals</i> , 2005, 18, 163-169.	1.8	20
34	Cardioprotective effects of inorganic nitrate/nitrite in chronic anthracycline cardiotoxicity: Comparison with dexrazoxane. <i>Journal of Molecular and Cellular Cardiology</i> , 2016, 91, 92-103.	0.9	20
35	Lactacystin-Induced Model of Hypertension in Rats: Effects of Melatonin and Captopril. <i>International Journal of Molecular Sciences</i> , 2017, 18, 1612.	1.8	19
36	The Impact of microRNAs in Renin-Angiotensin-System-Induced Cardiac Remodelling. <i>International Journal of Molecular Sciences</i> , 2021, 22, 4762.	1.8	19

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37	Reninâ€‘Angiotensinâ€‘Aldosterone System: Friend or Foeâ€‘The Matter of Balance. Insight on History, Therapeutic Implications and COVID-19 Interactions. <i>International Journal of Molecular Sciences</i> , 2021, 22, 3217.	1.8	18
38	A Study of Potential Toxic Effects After Repeated 10-Week Administration of a New Iron Chelator â€‘ Salicylaldehyde Isonicotinoyl Hydrazone (SIH) to Rabbits. <i>Acta Medica (Hradec Kralove)</i> , 2003, 46, 163-170.	0.2	17
39	Cardiac Troponin T in Neonates after Acute and Long-Term Tocolysis. <i>Neonatology</i> , 2000, 78, 288-292.	0.9	16
40	Melatonin improves the restoration of endothelium-derived constricting factor signalling and inner diameter in the rat femoral artery after cessation of L-NAME treatment. <i>Journal of Hypertension</i> , 2010, 28, S19-S24.	0.3	15
41	Cardiac Troponins are Among Targets of Doxorubicin-Induced Cardiotoxicity in hiPCS-CMs. <i>International Journal of Molecular Sciences</i> , 2019, 20, 2638.	1.8	15
42	Investigation of Structure-Activity Relationships of Dexrazoxane Analogs Reveals Topoisomerase II α Interaction as a Prerequisite for Effective Protection against Anthracycline Cardiotoxicity. <i>Journal of Pharmacology and Experimental Therapeutics</i> , 2020, 373, 402-415.	1.3	14
43	Cardiac troponin T as an indicator of reduced left ventricular contractility in experimental anthracycline-induced cardiomyopathy. <i>Cancer Chemotherapy and Pharmacology</i> , 2003, 52, 431-434.	1.1	13
44	Ivabradine Ameliorates Kidney Fibrosis in L-NAME-Induced Hypertension. <i>Frontiers in Medicine</i> , 2020, 7, 325.	1.2	13
45	Resveratrol modifies biliary secretion of cholephilic compounds in sham-operated and cholestatic rats. <i>World Journal of Gastroenterology</i> , 2017, 23, 7678-7692.	1.4	13
46	Safety and tolerability of repeated administration of pyridoxal 2-chlorobenzoyl hydrazone in rabbits. <i>Human and Experimental Toxicology</i> , 2005, 24, 581-589.	1.1	12
47	Cardiac troponinsâ€‘Translational biomarkers in cardiology: Theory and practice of cardiac troponin highâ€‘sensitivity assays. <i>BioFactors</i> , 2016, 42, 133-148.	2.6	12
48	Ivabradine improves survival and attenuates cardiac remodeling in isoproterenolâ€‘induced myocardial injury. <i>Fundamental and Clinical Pharmacology</i> , 2021, 35, 744-748.	1.0	11
49	<i>In vitro</i> and <i>in vivo</i> investigation of cardiotoxicity associated with anticancer proteasome inhibitors and their combination with anthracycline. <i>Clinical Science</i> , 2019, 133, 1827-1844.	1.8	10
50	Troponins in children and neonates. <i>Acta Paediatrica, International Journal of Paediatrics</i> , 2003, 92, 1373-1375.	0.7	10
51	Experimental determination of diagnostic window of cardiac troponins in the development of chronic anthracycline cardiotoxicity and estimation of its predictive value. <i>International Journal of Cardiology</i> , 2015, 201, 358-367.	0.8	9
52	Pyridoxal Isonicotinoyl Hydrazone (PIH) and its Analogs as Protectants Against Anthracycline-Induced Cardiotoxicity. <i>Hemoglobin</i> , 2008, 32, 207-215.	0.4	8
53	Prodrug of ICRF-193 provides promising protective effects against chronic anthracycline cardiotoxicity in a rabbit model <i>in vivo</i> . <i>Clinical Science</i> , 2021, 135, 1897-1914.	1.8	8
54	Effects of captopril, spironolactone, and simvastatin on the cardiovascular system of non-diseased Wistar rats. <i>International Journal of Cardiology</i> , 2015, 190, 128-130.	0.8	6

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55	Characteristics and outcomes of patients admitted for acute heart failure in a single-centre study. <i>ESC Heart Failure</i> , 2022, 9, 2249-2258.	1.4	6
56	What prevents cardioprotective drugs from reaching the market?. <i>Expert Review of Clinical Pharmacology</i> , 2018, 11, 463-465.	1.3	4
57	Lisinopril reverses behavioural alterations in spontaneously hypertensive rats. <i>General Physiology and Biophysics</i> , 2019, 38, 265-270.	0.4	2
58	Troponins in Experimental Studies. <i>Acta Medica (Hradec Kralove)</i> , 2002, 45, 29-32.	0.2	2
59	Effect of melatonin on the behaviour of rats with continuous light-induced hypertension. <i>General Physiology and Biophysics</i> , 2018, 37, 469-473.	0.4	2
60	Troponins in experimental studies. <i>Acta Medica (Hradec Kralove)</i> , 2002, 45, 29-32.	0.2	2
61	Cardiac troponins following repeated administration of an iron chelator–salicylaldehyde isonicotinoyl hydrazone (SIH)–in rabbits. <i>Acta Medica (Hradec Kralove)</i> , 2003, 46, 171-4.	0.2	2
62	Protein profile of myocardium in children with congenital heart diseases. <i>Journal of Molecular and Cellular Cardiology</i> , 2001, 33, A92.	0.9	1
63	Cardiac remodeling and the role of matrix metalloproteinases in chronic anthracycline cardiotoxicity. <i>Journal of Molecular and Cellular Cardiology</i> , 2006, 40, 1001.	0.9	1
64	Are cardioprotective effects of NO-releasing drug molsidomine translatable to chronic anthracycline cardiotoxicity settings?. <i>Toxicology</i> , 2016, 372, 52-63.	2.0	1
65	Protein and Phospholipids Composition of Human Myocardium in Children with Congenital Heart Disease. <i>Progress in Experimental Cardiology</i> , 2003, , 37-53.	0.0	1
66	Primary prevention of chronic anthracycline cardiotoxicity with ACE inhibitor is temporarily effective in rabbits, but benefits wane in post-treatment follow-up. <i>Clinical Science</i> , 2022, 136, 139-161.	1.8	1
67	Regulatory proteins in cardiac muscle of children with congenital heart diseases. <i>Journal of Molecular and Cellular Cardiology</i> , 2001, 33, A1.	0.9	0
68	Troponins for predicting cardiotoxic or cardioprotective effects of new drugs. <i>Journal of Molecular and Cellular Cardiology</i> , 2002, 34, A3.	0.9	0
69	Comparison of protection by salicylaldehyde isonicotinoyl hydrazone (SIH) against hydrogen peroxide- and anthracycline-induced toxicity to cardiac cells. <i>Toxicology Letters</i> , 2008, 180, S117.	0.4	0
70	79â€¦Effective cardioprotection against anthracycline cardiotoxicity in isolated cardiomyocytes and rabbits is based on dexrazoxane interaction with topoisomerase II beta instead of iron chelation by its metabolite ADR-925. , 2019, , .		0