Zuzana ÄŒervinkovÃ¡

List of Publications by Year
in descending order

54 papers	1,094 citations	516710 16 h-index	414414 32 g-index
56 all docs	56 docs citations	56 times ranked	2051 citing authors

#	Article	IF	Citations
1	The Connection between MicroRNAs from Visceral Adipose Tissue and Non-Alcoholic Fatty Liver Disease. Acta Medica (Hradec Kralove), 2021, 64, 1-7.	0.5	3
2	Western Diet Decreases the Liver Mitochondrial Oxidative Flux of Succinate: Insight from a Murine NAFLD Model. International Journal of Molecular Sciences, 2021, 22, 6908.	4.1	12
3	Measuring Mitochondrial Substrate Flux in Recombinant Perfringolysin O-Permeabilized Cells. Journal of Visualized Experiments, 2021, , .	0.3	1
4	Dose-dependent regulation of mitochondrial function and cell death pathway by sorafenib in liver cancer cells. Biochemical Pharmacology, 2020, 176, 113902.	4.4	22
5	Adaptation of Mitochondrial Substrate Flux in a Mouse Model of Nonalcoholic Fatty Liver Disease. International Journal of Molecular Sciences, 2020, 21, 1101.	4.1	7
6	Comparison of two anti-diabetic monoestolides regarding effects on intact murine liver tissue. Archives of Physiology and Biochemistry, 2020, , 1-8.	2.1	6
7	Effect of glucagon-like peptide-1 analogue liraglutide onÂprimary cultures ofÂrat hepatocytes isolated fromÂlean andÂsteatotic livers. General Physiology and Biophysics, 2019, 38, 343-352.	0.9	1
8	Acetaminophen toxicity in rat and mouse hepatocytesin vitro. Drug and Chemical Toxicology, 2017, 40, 448-456.	2.3	21
9	Effects of Epigallocatechin Gallate on Tert-Butyl Hydroperoxide-Induced Mitochondrial Dysfunction in Rat Liver Mitochondria and Hepatocytes. Oxidative Medicine and Cellular Longevity, 2016, 2016, 1-8.	4.0	7
10	Impaired mitochondrial functions contribute to 3-bromopyruvate toxicity in primary rat and mouse hepatocytes. Journal of Bioenergetics and Biomembranes, 2016, 48, 363-373.	2.3	7
11	Does Simple Steatosis Affect Liver Regeneration after Partial Hepatectomy in Rats?. Acta Medica (Hradec Kralove), 2016, 59, 35-42.	0.5	10
12	In VitroToxicity of Epigallocatechin Gallate in Rat Liver Mitochondria and Hepatocytes. Oxidative Medicine and Cellular Longevity, 2015, 2015, 1-10.	4.0	50
13	Metformin prevents ischemia reperfusion-induced oxidative stress in the fatty liver by attenuation of reactive oxygen species formation. American Journal of Physiology - Renal Physiology, 2015, 309, G100-G111.	3.4	86
14	[(p-MeC6H4Pr)2Ru2(SC6H4-p-Bu)3]Cl (diruthenium-1), a dinuclear arene ruthenium compound with very high anticancer activity: An inÂvitro and inÂvivo study. Journal of Organometallic Chemistry, 2015, 782, 42-51.	1.8	25
15	The Effect oftert-Butyl Hydroperoxide-Induced Oxidative Stress on Lean and Steatotic Rat HepatocytesIn Vitro. Oxidative Medicine and Cellular Longevity, 2014, 2014, 1-12.	4.0	100
16	Experimental models of non-alcoholic fatty liver disease in rats. World Journal of Gastroenterology, 2014, 20, 8364.	3.3	149
17	Epigallocatechin Gallate Does Not Accelerate the Early Phase of Liver Regeneration After Partial Hepatectomy in Rats. Digestive Diseases and Sciences, 2014, 59, 976-985.	2.3	6
18	The effect of epigallocatechin gallate on hepatocytes isolated from normal and partially hepatectomized rats. Canadian Journal of Physiology and Pharmacology, 2014, 92, 512-517.	1.4	5

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19	ANTIOXIDATIVE EFFECT OF EPIGALLOCATECHIN GALLATE AGAINST D-GALACTOSAMINE-INDUCED INJURY IN PRIMARY CULTURE OF RAT HEPATOCYTES. Acta Medica (Hradec Kralove), 2014, 57, 3-8.	0.5	12
20	Cholestatic effect of epigallocatechin gallate in rats is mediated via decreased expression of Mrp2. Toxicology, 2013, 303, 9-15.	4.2	27
21	Induction of uncoupling protein-2 mRNA by triiodothyronine in rat liver. Acta Veterinaria Brno, 2012, 81, 75-81.	0.5	0
22	Chronic Anthracycline Cardiotoxicity: Molecular and Functional Analysis with Focus on Nuclear Factor Erythroid 2-Related Factor 2 and Mitochondrial Biogenesis Pathways. Journal of Pharmacology and Experimental Therapeutics, 2012, 343, 468-478.	2.5	48
23	Characterization of calcium, phosphate and peroxide interactions in activation of mitochondrial swelling using derivative of the swelling curves. Journal of Bioenergetics and Biomembranes, 2012, 44, 309-315.	2.3	17
24	Assessment of reduced glutathione: Comparison of an optimized fluorometric assay with enzymatic recycling method. Analytical Biochemistry, 2012, 423, 236-240.	2.4	26
25	Susceptibility of rat nonâ€alcoholic fatty liver to the acute toxic effect of acetaminophen. Journal of Gastroenterology and Hepatology (Australia), 2012, 27, 323-330.	2.8	31
26	Proteomic analysis to display the effect of low doses of erythropoietin on rat liver regeneration. Life Sciences, 2011, 89, 827-833.	4.3	16
27	Deteriorating effect of fluvastatin on the cholestatic liver injury induced by bile duct ligation in rats. General Physiology and Biophysics, 2011, 30, 66-74.	0.9	4
28	Is rat liver affected by non-alcoholic steatosis more susceptible to the acute toxic effect of thioacetamide?. International Journal of Experimental Pathology, 2011, 92, 281-289.	1.3	16
29	Determination of glutathione and glutathione disulfide in human whole blood using HPLC with coulometric detection: A comparison with fluorescence detection. Collection of Czechoslovak Chemical Communications, 2011, 76, 277-294.	1.0	4
30	Up-regulation of renal Mdr1 and Mrp2 transporters during amiodarone pretreatment in rats. Pharmacological Research, 2010, 61, 129-135.	7.1	10
31	The toxic effect of thioacetamide on rat liver in vitro. Toxicology in Vitro, 2010, 24, 2097-2103.	2.4	70
32	Effect of S-adenosylmethionine on liver regeneration induced by partial hepatectomy. General Physiology and Biophysics, 2010, 29, 72-78.	0.9	1
33	Effect of S-adenosylmethionine on liver regeneration induced by partial hepatectomy. General Physiology and Biophysics, 2010, 29, 72-8.	0.9	1
34	Effect of S-adenosylmethionine on Acetaminophen-induced Toxic Injury of Rat Hepatocytes in vitro. Acta Veterinaria Brno, 2009, 78, 603-613.	0.5	5
35	Mechanisms participating in oxidative damage of isolated rat hepatocytes. Archives of Toxicology, 2009, 83, 363-372.	4.2	16
36	Tissue Specific Sensitivity of Mitochondrial Permeability Transition Pore to Ca2+ Ions. Acta Medica (Hradec Kralove), 2009, 52, 69-72.	0.5	15

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37	Studying Liver Regeneration by Means of Molecular Biology: How Far We Are in Interpreting the Findings?. Acta Medica (Hradec Kralove), 2009, 52, 91-99.	0.5	7
38	The role of time-lapse fluorescent microscopy in the characterization of toxic effects in cell populations cultivated in vitro. Toxicology in Vitro, 2008, 22, 1382-1386.	2.4	12
39	S-Adenosylmethionine Exerts a Protective Effect against Thioacetamide-induced Injury in Primary Cultures of Rat Hepatocytes. ATLA Alternatives To Laboratory Animals, 2007, 35, 363-371.	1.0	11
40	Evaluation of Mitochondrial Function in Isolated Rat Hepatocytes and Mitochondria during Oxidative Stress. ATLA Alternatives To Laboratory Animals, 2007, 35, 353-361.	1.0	10
41	Determination of reduced and oxidized glutathione in biological samples using liquid chromatography with fluorimetric detection. Journal of Pharmaceutical and Biomedical Analysis, 2007, 43, 1382-1387.	2.8	126
42	Standardisation of Parameters during Endovenous Laser Therapy of Truncal Varicose Veins - Experimental Ex-vivo Study. European Journal of Vascular and Endovascular Surgery, 2007, 34, 224-228.	1.5	16
43	Protective effect of S-adenosylmethionine on cellular and mitochondrial membranes of rat hepatocytes against tert-butylhydroperoxide-induced injury in primary culture. Chemico-Biological Interactions, 2005, 156, 13-23.	4.0	16
44	Time-course of hormonal induction of mitochondrial glycerophosphate dehydrogenase biogenesis in rat liver. Biochimica Et Biophysica Acta - General Subjects, 2005, 1726, 217-223.	2.4	21
45	Our Experiences with Development of Digitised Video Streams and Their Use in Animal-free Medical Education. ATLA Alternatives To Laboratory Animals, 2004, 32, 521-523.	1.0	0
46	Liver response to indomethacin-induced intestinal injury. Acta Medica (Hradec Kralove), 2002, 45, 13-8.	0.5	0
47	MODULATORY EFFECT OF CYCLOSPORIN A ONTERT-BUTYL HYDROPEROXIDEâ€“INDUCED OXIDATIVE DAMAGE IN HEPATOCYTES. Immunopharmacology and Immunotoxicology, 2001, 23, 43-54.	2.4	12
48	PUFA n-3 lipid emulsion â€” A promising agent in ARDS treatment. Nutrition, 1997, 13, 232-233.	2.4	12
49	Serum levels of selected liver proteins following partial hepatectomy in the female rat. Laboratory Animals, 1995, 29, 185-191.	1.0	4
50	In vitro cytotoxicity testing of metal alloys used in medicine: Comparison of different approaches. Toxicology in Vitro, 1994, 8, 783-785.	2.4	6
51	Effect of dietary protein content on liver morphology in acute galactosamine poisoning. Bulletin of Experimental Biology and Medicine, 1988, 105, 127-129.	0.8	0
52	Effect of a low protein diet on restoration of the rat liver parenchyma after carbon tetrachloride poisoning. Bulletin of Experimental Biology and Medicine, 1988, 105, 397-400.	0.8	0
53	Structural changes in the liver parenchyma of rats during long-term feeding on diets differing in protein content. Bulletin of Experimental Biology and Medicine, 1986, 101, 607-610.	0.8	1
54	Alternatives to Experiments with Animals in Medical Education: A TEMPUS Joint European Project. , 0, , 119-123.		2