

# Otto Kucera

## List of Publications by Year in descending order

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Version: 2024-02-01

40  
papers

968  
citations

516215

16  
h-index

433756

31  
g-index

42  
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42  
docs citations

42  
times ranked

1870  
citing authors

#	ARTICLE	IF	CITATIONS
1	The Connection between MicroRNAs from Visceral Adipose Tissue and Non-Alcoholic Fatty Liver Disease. <i>Acta Medica (Hradec Kralove)</i> , 2021, 64, 1-7.	0.2	3
2	Western Diet Decreases the Liver Mitochondrial Oxidative Flux of Succinate: Insight from a Murine NAFLD Model. <i>International Journal of Molecular Sciences</i> , 2021, 22, 6908.	1.8	12
3	Measuring Mitochondrial Substrate Flux in Recombinant Perfringolysin O-Permeabilized Cells. <i>Journal of Visualized Experiments</i> , 2021, , .	0.2	1
4	Dose-dependent regulation of mitochondrial function and cell death pathway by sorafenib in liver cancer cells. <i>Biochemical Pharmacology</i> , 2020, 176, 113902.	2.0	22
5	Adaptation of Mitochondrial Substrate Flux in a Mouse Model of Nonalcoholic Fatty Liver Disease. <i>International Journal of Molecular Sciences</i> , 2020, 21, 1101.	1.8	7
6	Comparison of two anti-diabetic monoestolides regarding effects on intact murine liver tissue. <i>Archives of Physiology and Biochemistry</i> , 2020, , 1-8.	1.0	6
7	Effect of glucagon-like peptide-1 analogue liraglutide on primary cultures of rat hepatocytes isolated from lean and steatotic livers. <i>General Physiology and Biophysics</i> , 2019, 38, 343-352.	0.4	1
8	Stilbene compound trans-3,4,5,4'-tetramethoxystilbene, a potential anticancer drug, regulates constitutive androstane receptor (Car) target genes, but does not possess proliferative activity in mouse liver. <i>Toxicology Letters</i> , 2019, 313, 1-10.	0.4	4
9	Acetaminophen toxicity in rat and mouse hepatocytes <i>in vitro</i> . <i>Drug and Chemical Toxicology</i> , 2017, 40, 448-456.	1.2	21
10	Effects of Epigallocatechin Gallate on Tert-Butyl Hydroperoxide-Induced Mitochondrial Dysfunction in Rat Liver Mitochondria and Hepatocytes. <i>Oxidative Medicine and Cellular Longevity</i> , 2016, 2016, 1-8.	1.9	7
11	Impaired mitochondrial functions contribute to 3-bromopyruvate toxicity in primary rat and mouse hepatocytes. <i>Journal of Bioenergetics and Biomembranes</i> , 2016, 48, 363-373.	1.0	7
12	Does Simple Steatosis Affect Liver Regeneration after Partial Hepatectomy in Rats?. <i>Acta Medica (Hradec Kralove)</i> , 2016, 59, 35-42.	0.2	10
13	<i>In Vitro</i> Toxicity of Epigallocatechin Gallate in Rat Liver Mitochondria and Hepatocytes. <i>Oxidative Medicine and Cellular Longevity</i> , 2015, 2015, 1-10.	1.9	50
14	Metformin prevents ischemia reperfusion-induced oxidative stress in the fatty liver by attenuation of reactive oxygen species formation. <i>American Journal of Physiology - Renal Physiology</i> , 2015, 309, G100-G111.	1.6	86
15	The Effect of D-Galactosamine on Lean and Steatotic Rat Hepatocytes in Primary Culture. <i>Physiological Research</i> , 2015, 64, S637-S646.	0.4	8
16	The Effect of tert-Butyl Hydroperoxide-Induced Oxidative Stress on Lean and Steatotic Rat Hepatocytes <i>In Vitro</i> . <i>Oxidative Medicine and Cellular Longevity</i> , 2014, 2014, 1-12.	1.9	100
17	Experimental models of non-alcoholic fatty liver disease in rats. <i>World Journal of Gastroenterology</i> , 2014, 20, 8364.	1.4	149
18	Epigallocatechin Gallate Does Not Accelerate the Early Phase of Liver Regeneration After Partial Hepatectomy in Rats. <i>Digestive Diseases and Sciences</i> , 2014, 59, 976-985.	1.1	6

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19	The effect of epigallocatechin gallate on hepatocytes isolated from normal and partially hepatectomized rats. <i>Canadian Journal of Physiology and Pharmacology</i> , 2014, 92, 512-517.	0.7	5
20	ANTIOXIDATIVE EFFECT OF EPIGALLOCATECHIN GALLATE AGAINST D-GALACTOSAMINE-INDUCED INJURY IN PRIMARY CULTURE OF RAT HEPATOCYTES. <i>Acta Medica (Hradec Kralove)</i> , 2014, 57, 3-8.	0.2	12
21	Cholestatic effect of epigallocatechin gallate in rats is mediated via decreased expression of Mrp2. <i>Toxicology</i> , 2013, 303, 9-15.	2.0	27
22	Assessment of reduced glutathione: Comparison of an optimized fluorometric assay with enzymatic recycling method. <i>Analytical Biochemistry</i> , 2012, 423, 236-240.	1.1	26
23	Susceptibility of rat non-alcoholic fatty liver to the acute toxic effect of acetaminophen. <i>Journal of Gastroenterology and Hepatology (Australia)</i> , 2012, 27, 323-330.	1.4	31
24	Steatotic Rat Hepatocytes in Primary Culture Are More Susceptible to the Acute Toxic Effect of Acetaminophen. <i>Physiological Research</i> , 2012, 61, S93-S101.	0.4	18
25	Proteomic analysis to display the effect of low doses of erythropoietin on rat liver regeneration. <i>Life Sciences</i> , 2011, 89, 827-833.	2.0	16
26	Deteriorating effect of fluvastatin on the cholestatic liver injury induced by bile duct ligation in rats. <i>General Physiology and Biophysics</i> , 2011, 30, 66-74.	0.4	4
27	Is rat liver affected by non-alcoholic steatosis more susceptible to the acute toxic effect of thioacetamide?. <i>International Journal of Experimental Pathology</i> , 2011, 92, 281-289.	0.6	16
28	Determination of glutathione and glutathione disulfide in human whole blood using HPLC with coulometric detection: A comparison with fluorescence detection. <i>Collection of Czechoslovak Chemical Communications</i> , 2011, 76, 277-294.	1.0	4
29	The Effect of Rat Strain, Diet Composition and Feeding Period on the Development of a Nutritional Model of Non-Alcoholic Fatty Liver Disease in Rats. <i>Physiological Research</i> , 2011, 60, 317-328.	0.4	39
30	Up-regulation of renal Mdr1 and Mrp2 transporters during amiodarone pretreatment in rats. <i>Pharmacological Research</i> , 2010, 61, 129-135.	3.1	10
31	The toxic effect of thioacetamide on rat liver in vitro. <i>Toxicology in Vitro</i> , 2010, 24, 2097-2103.	1.1	70
32	Effect of S-adenosylmethionine on liver regeneration induced by partial hepatectomy. <i>General Physiology and Biophysics</i> , 2010, 29, 72-78.	0.4	1
33	Effect of S-adenosylmethionine on liver regeneration induced by partial hepatectomy. <i>General Physiology and Biophysics</i> , 2010, 29, 72-8.	0.4	1
34	Effect of S-adenosylmethionine on Acetaminophen-induced Toxic Injury of Rat Hepatocytes in vitro. <i>Acta Veterinaria Brno</i> , 2009, 78, 603-613.	0.2	5
35	Mechanisms participating in oxidative damage of isolated rat hepatocytes. <i>Archives of Toxicology</i> , 2009, 83, 363-372.	1.9	16
36	S-Adenosylmethionine Exerts a Protective Effect against Thioacetamide-induced Injury in Primary Cultures of Rat Hepatocytes. <i>ATLA Alternatives To Laboratory Animals</i> , 2007, 35, 363-371.	0.7	11

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37	Evaluation of Mitochondrial Function in Isolated Rat Hepatocytes and Mitochondria during Oxidative Stress. <i>ATLA Alternatives To Laboratory Animals</i> , 2007, 35, 353-361.	0.7	10
38	Determination of reduced and oxidized glutathione in biological samples using liquid chromatography with fluorimetric detection. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2007, 43, 1382-1387.	1.4	126
39	The model of D-galactosamine-induced injury of rat hepatocytes in primary culture. <i>Acta Medica (Hradec Kralove)</i> , 2006, 49, 59-65.	0.2	3
40	Protective effect of S-adenosylmethionine on cellular and mitochondrial membranes of rat hepatocytes against tert-butylhydroperoxide-induced injury in primary culture. <i>Chemico-Biological Interactions</i> , 2005, 156, 13-23.	1.7	16