

Iva Bousova

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.

45
papers

1,576
citations

16
h-index

39
g-index

46
ext. papers

1,766
ext. citations

4.3
avg, IF

4.82
L-index

#	Paper	IF	Citations
45	Antioxidant and prooxidant properties of flavonoids. <i>Fitoterapia</i> , 2011 , 82, 513-23	3.2	866
44	Study on the interaction of catechins with human serum albumin using spectroscopic and electrophoretic techniques. <i>Journal of Molecular Structure</i> , 2011 , 985, 243-250	3.4	74
43	Possibilities to increase the effectiveness of doxorubicin in cancer cells killing. <i>Drug Metabolism Reviews</i> , 2011 , 43, 540-57	7	49
42	Inhibition and induction of glutathione S-transferases by flavonoids: possible pharmacological and toxicological consequences. <i>Drug Metabolism Reviews</i> , 2012 , 44, 267-86	7	46
41	Hepatotoxicity of monoterpenes and sesquiterpenes. <i>Archives of Toxicology</i> , 2018 , 92, 1-13	5.8	42
40	Reference genes for real-time PCR quantification of messenger RNAs and microRNAs in mouse model of obesity. <i>PLoS ONE</i> , 2014 , 9, e86033	3.7	42
39	Antioxidant, pro-oxidant and other biological activities of sesquiterpenes. <i>Current Topics in Medicinal Chemistry</i> , 2014 , 14, 2478-94	3	42
38	Oxidative stress parameters in different systemic rheumatic diseases. <i>Journal of Pharmacy and Pharmacology</i> , 2006 , 58, 951-7	4.8	40
37	The Influence of Sesquiterpenes from <i>Myrica rubra</i> on the Antiproliferative and Pro-Oxidative Effects of Doxorubicin and Its Accumulation in Cancer Cells. <i>Molecules</i> , 2015 , 20, 15343-58	4.8	39
36	Age-related changes in hepatic activity and expression of detoxification enzymes in male rats. <i>BioMed Research International</i> , 2013 , 2013, 408573	3	32
35	Evaluation of in vitro effects of natural substances of plant origin using a model of protein glycoxidation. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2005 , 37, 957-62	3.5	28
34	Oxidation as an important factor of protein damage: Implications for Maillard reaction. <i>Journal of Biosciences</i> , 2015 , 40, 419-39	2.3	27
33	The modulation of carbonyl reductase 1 by polyphenols. <i>Drug Metabolism Reviews</i> , 2015 , 47, 520-33	7	17
32	Inhibitory effect of anthocyanidins on hepatic glutathione S-transferase, UDP-glucuronosyltransferase and carbonyl reductase activities in rat and human. <i>Xenobiotica</i> , 2013 , 43, 679-85	2	17
31	Altered cytochrome P450 activities and expression levels in the liver and intestines of the monosodium glutamate-induced mouse model of human obesity. <i>Life Sciences</i> , 2015 , 133, 15-20	6.8	17
30	Antiproliferative Effects of Hop-derived Prenylflavonoids and Their Influence on the Efficacy of Oxaliplatin, 5-fluorouracil and Irinotecan in Human ColorectalC Cells. <i>Nutrients</i> , 2019 , 11,	6.7	16
29	Naturally occurring flavonoids as inhibitors of purified cytosolic glutathione S-transferase. <i>Xenobiotica</i> , 2012 , 42, 872-9	2	15

28	Interaction of anthocyanins with drug-metabolizing and antioxidant enzymes. <i>Current Medicinal Chemistry</i> , 2013 , 20, 4665-79	4.3	13
27	Influence of diet supplementation with green tea extract on drug-metabolizing enzymes in a mouse model of monosodium glutamate-induced obesity. <i>European Journal of Nutrition</i> , 2016 , 55, 361-71	5.2	12
26	Inter-Individual Variability in Acute Toxicity of R-Pulegone and R-Menthofuran in Human Liver Slices and Their Influence on miRNA Expression Changes in Comparison to Acetaminophen. <i>International Journal of Molecular Sciences</i> , 2018 , 19,	6.3	12
25	Effect of selected catechins on doxorubicin antiproliferative efficacy and hepatotoxicity in vitro. <i>Acta Pharmaceutica</i> , 2014 , 64, 199-209	3.2	12
24	Drug-metabolizing and antioxidant enzymes in monosodium L-glutamate obese mice. <i>Drug Metabolism and Disposition</i> , 2015 , 43, 258-65	4	11
23	Comparison of glycation of glutathione S-transferase by methylglyoxal, glucose or fructose. <i>Molecular and Cellular Biochemistry</i> , 2011 , 357, 323-30	4.2	11
22	Effect of defined green tea extract in various dosage schemes on drug-metabolizing enzymes in mice in vivo. <i>Journal of Functional Foods</i> , 2014 , 10, 327-335	5.1	9
21	Effect of standardized cranberry extract on the activity and expression of selected biotransformation enzymes in rat liver and intestine. <i>Molecules</i> , 2014 , 19, 14948-60	4.8	9
20	Effect of oral administration of green tea extract in various dosage schemes on oxidative stress status of mice in vivo. <i>Acta Pharmaceutica</i> , 2015 , 65, 65-73	3.2	8
19	Cranberry extract-enriched diets increase NAD(P)H:quinone oxidoreductase and catalase activities in obese but not in nonobese mice. <i>Nutrition Research</i> , 2015 , 35, 901-909	4	7
18	Essential Oil from Myrica rubra Leaves Potentiated Antiproliferative and Prooxidative Effect of Doxorubicin and its Accumulation in Intestinal Cancer Cells. <i>Planta Medica</i> , 2016 , 82, 89-96	3.1	7
17	The Selection and Validation of Reference Genes for mRNA and microRNA Expression Studies in Human Liver Slices Using RT-qPCR. <i>Genes</i> , 2019 , 10,	4.2	6
16	The Modulation of Phase II Drug-Metabolizing Enzymes in Proliferating and Differentiated CaCo-2 Cells by Hop-Derived Prenylflavonoids. <i>Nutrients</i> , 2020 , 12,	6.7	6
15	In vitro anti-proliferative and anti-inflammatory activity of leaf and fruit extracts from Vaccinium bracteatum Thunb. <i>Pakistan Journal of Pharmaceutical Sciences</i> , 2014 , 27, 103-6	0.4	6
14	Sulforaphane Alters Naphthoflavone-Induced Changes in Activity and Expression of Drug-Metabolizing Enzymes in Rat Hepatocytes. <i>Molecules</i> , 2017 , 22,	4.8	5
13	Glycation of aspartate aminotransferase by methylglyoxal, effect of hydroxycitric and uric acid. <i>Molecular and Cellular Biochemistry</i> , 2009 , 331, 215-23	4.2	5
12	Glycation-induced inactivation of aspartate aminotransferase, effect of uric acid. <i>Molecular and Cellular Biochemistry</i> , 2005 , 278, 85-92	4.2	5
11	Monosodium glutamate-induced obesity changed the expression and activity of glutathione S-transferases in mouse heart and kidney. <i>Die Pharmazie</i> , 2017 , 72, 257-259	1.5	5

10	Determination of quality of pyridoxal-5Xphosphate enzyme preparations by spectroscopic methods. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2005 , 37, 1173-7	3.5	4
9	Effect of Green Tea Extract-Enriched Diets on Insulin and Leptin Levels, Oxidative Stress Parameters and Antioxidant Enzymes Activities in Obese Mice. <i>Polish Journal of Food and Nutrition Sciences</i> , 2017 , 67, 233-240	3.1	3
8	Sesquiterpenes Are Agonists of the Pregnane X Receptor but Do Not Induce the Expression of Phase I Drug-Metabolizing Enzymes in the Human Liver. <i>International Journal of Molecular Sciences</i> , 2019 , 20,	6.3	2
7	The Hepatotoxicity of Alantolactone and Germacrone: Their Influence on Cholesterol and Lipid Metabolism in Differentiated HepaRG Cells. <i>Nutrients</i> , 2020 , 12,	6.7	2
6	In vivo effect of oracin on doxorubicin reduction, biodistribution and efficacy in Ehrlich tumor bearing mice. <i>Pharmacological Reports</i> , 2013 , 65, 445-52	3.9	2
5	MicroRNAs mediated regulation of glutathione peroxidase 7 expression and its changes during adipogenesis. <i>Biochimica Et Biophysica Acta - Gene Regulatory Mechanisms</i> , 2021 , 1864, 194734	6	2
4	The influence of oracin on reduction and toxicity of doxorubicin in hepatocytes and mammary epithelial cells MCF-10A. <i>Xenobiotica</i> , 2012 , 42, 571-9	2	1
3	Comparative whole-genome transcriptome analysis in renal cell populations reveals high tissue specificity of MAPK/ERK targets in embryonic kidney.. <i>BMC Biology</i> , 2022 , 20, 112	7.3	1
2	The role of UDP-glycosyltransferases in xenobiotic-resistance. <i>Drug Metabolism Reviews</i> ,1-31	7	1
1	In vitro metabolism of helenalin and its inhibitory effect on human cytochrome P450 activity.. <i>Archives of Toxicology</i> , 2022 , 1	5.8	