

# Petra Matouskov

## List of Publications by Citations

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54  
papers

796  
citations

16  
h-index

25  
g-index

56  
ext. papers

986  
ext. citations

4.9  
avg, IF

4.28  
L-index

#	Paper	IF	Citations
54	Selection of reference genes for real-time polymerase chain reaction analysis in tissues from <i>Bombus terrestris</i> and <i>Bombus lucorum</i> of different ages. <i>Analytical Biochemistry</i> , <b>2010</b> , 397, 118-20	3.1	95
53	Potential anti-cancer drugs commonly used for other indications. <i>Current Cancer Drug Targets</i> , <b>2015</b> , 15, 35-52	2.8	46
52	Reference genes for real-time PCR quantification of messenger RNAs and microRNAs in mouse model of obesity. <i>PLoS ONE</i> , <b>2014</b> , 9, e86033	3.7	42
51	The Role of Xenobiotic-Metabolizing Enzymes in Anthelmintic Deactivation and Resistance in Helminths. <i>Trends in Parasitology</i> , <b>2016</b> , 32, 481-491	6.4	40
50	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> , <b>2015</b> , 20, 15343-58	4.8	39
49	Evolution of moth sex pheromone composition by a single amino acid substitution in a fatty acid desaturase. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2015</b> , 112, 12586-91	11.5	30
48	Functional characterization of a desaturase from the tobacco hornworm moth ( <i>Manduca sexta</i> ) with bifunctional Z11- and 10,12-desaturase activity. <i>Insect Biochemistry and Molecular Biology</i> , <b>2007</b> , 37, 601-10	4.5	28
47	MicroRNAs in the diagnosis and prevention of drug-induced cardiotoxicity. <i>Archives of Toxicology</i> , <b>2019</b> , 93, 1-9	5.8	28
46	MicroRNAs as Potential Regulators of Glutathione Peroxidases Expression and Their Role in Obesity and Related Pathologies. <i>International Journal of Molecular Sciences</i> , <b>2018</b> , 19,	6.3	26
45	Metabolism of albendazole, ricobendazole and flubendazole in <i>Haemonchus contortus</i> adults: Sex differences, resistance-related differences and the identification of new metabolites. <i>International Journal for Parasitology: Drugs and Drug Resistance</i> , <b>2018</b> , 8, 50-58	4	21
44	Δ <sup>2</sup> -Fatty acid desaturase from <i>Candida parapsilosis</i> is a multifunctional desaturase producing a range of polyunsaturated and hydroxylated fatty acids. <i>PLoS ONE</i> , <b>2014</b> , 9, e93322	3.7	20
43	Anthelmintics in the future: current trends in the discovery and development of new drugs against gastrointestinal nematodes. <i>Drug Discovery Today</i> , <b>2020</b> , 25, 430-437	8.8	20
42	The role of desaturases in the biosynthesis of marking pheromones in bumblebee males. <i>Insect Biochemistry and Molecular Biology</i> , <b>2013</b> , 43, 724-31	4.5	19
41	The modulation of carbonyl reductase 1 by polyphenols. <i>Drug Metabolism Reviews</i> , <b>2015</b> , 47, 520-33	7	17
40	The Effects of Selected Sesquiterpenes from <i>Myrica rubra</i> Essential Oil on the Efficacy of Doxorubicin in Sensitive and Resistant Cancer Cell Lines. <i>Molecules</i> , <b>2017</b> , 22,	4.8	17
39	Induction of xenobiotic-metabolizing enzymes in hepatocytes by beta-naphthoflavone: Time-dependent changes in activities, protein and mRNA levels. <i>Acta Pharmaceutica</i> , <b>2018</b> , 68, 75-85	3.2	17
38	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> , <b>2019</b> , 11,	6.7	16

37	A delta9 desaturase from <i>Bombus lucorum</i> males: investigation of the biosynthetic pathway of marking pheromones. <i>ChemBioChem</i> , <b>2008</b> , 9, 2534-41	3.8	16
36	UDP-glycosyltransferase family in <i>Haemonchus contortus</i> : Phylogenetic analysis, constitutive expression, sex-differences and resistance-related differences. <i>International Journal for Parasitology: Drugs and Drug Resistance</i> , <b>2018</b> , 8, 420-429	4	15
35	Genome sequence of the oleaginous yeast strain CGMCC 2.1609. <i>Genomics Data</i> , <b>2017</b> , 13, 1-2		13
34	Reliable reference gene selection for quantitative real time PCR in <i>Haemonchus contortus</i> . <i>Molecular and Biochemical Parasitology</i> , <b>2015</b> , 201, 123-7	1.9	12
33	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> , <b>2016</b> , 55, 361-71	5.2	12
32	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> , <b>2018</b> , 19,	6.3	12
31	Effect of selected catechins on doxorubicin antiproliferative efficacy and hepatotoxicity in vitro. <i>Acta Pharmaceutica</i> , <b>2014</b> , 64, 199-209	3.2	12
30	The Effect of Flubendazole on Adhesion and Migration in SW480 and SW620 Colon Cancer Cells. <i>Anti-Cancer Agents in Medicinal Chemistry</i> , <b>2018</b> , 18, 837-846	2.2	12
29	Sub-lethal doses of albendazole induce drug metabolizing enzymes and increase albendazole deactivation in <i>Haemonchus contortus</i> adults. <i>Veterinary Research</i> , <b>2020</b> , 51, 94	3.8	12
28	Metabolism of the anthelmintic drug fenbendazole in <i>Arabidopsis thaliana</i> and its effect on transcriptome and proteome. <i>Chemosphere</i> , <b>2019</b> , 218, 662-669	8.4	12
27	High-fructose drinks affect microRNAs expression differently in lean and obese mice. <i>Journal of Nutritional Biochemistry</i> , <b>2019</b> , 68, 42-50	6.3	11
26	Drug-metabolizing and antioxidant enzymes in monosodium L-glutamate obese mice. <i>Drug Metabolism and Disposition</i> , <b>2015</b> , 43, 258-65	4	11
25	Imatinib-induced changes in the expression profile of microRNA in the plasma and heart of mice-A comparison with doxorubicin. <i>Biomedicine and Pharmacotherapy</i> , <b>2019</b> , 115, 108883	7.5	10
24	Ivermectin-induced changes in the expression of cytochromes P450 and efflux transporters in <i>Haemonchus contortus</i> female and male adults. <i>Veterinary Parasitology</i> , <b>2019</b> , 273, 24-31	2.8	10
23	The impact of sesquiterpenes Eucaryophyllene oxide and trans-nerolidol on xenobiotic-metabolizing enzymes in mice in vivo. <i>Xenobiotica</i> , <b>2018</b> , 48, 1089-1097	2	10
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> , <b>2014</b> , 10, 327-335	5.1	9
21	Monepantel induces hepatic cytochromes p450 in sheep in vitro and in vivo. <i>Chemico-Biological Interactions</i> , <b>2015</b> , 227, 63-8	5	9
20	Ivermectin biotransformation and impact on transcriptome in <i>Arabidopsis thaliana</i> . <i>Chemosphere</i> , <b>2019</b> , 234, 528-535	8.4	8

19	Effect of oral administration of green tea extract in various dosage schemes on oxidative stress status of mice in vivo. <i>Acta Pharmaceutica</i> , <b>2015</b> , 65, 65-73	3.2	8
18	Cranberry extract-enriched diets increase NAD(P)H:quinone oxidoreductase and catalase activities in obese but not in nonobese mice. <i>Nutrition Research</i> , <b>2015</b> , 35, 901-909	4	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> , <b>2019</b> , 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> , <b>2020</b> , 12,	6.7	6
15	The metabolism of flubendazole in human liver and cancer cell lines. <i>Drug Testing and Analysis</i> , <b>2018</b> , 10, 1139	3.5	5
14	Monosodium glutamate-induced obesity changed the expression and activity of glutathione S-transferases in mouse heart and kidney. <i>Die Pharmazie</i> , <b>2017</b> , 72, 257-259	1.5	5
13	Catechins Variously Affect Activities of Conjugation Enzymes in Proliferating and Differentiated Caco-2 Cells. <i>Molecules</i> , <b>2016</b> , 21,	4.8	5
12	Oxaliplatin and irinotecan induce heterogenous changes in the EMT markers of metastasizing colorectal carcinoma cells. <i>Experimental Cell Research</i> , <b>2018</b> , 369, 295-303	4.2	5
11	Contribution of in vitro comparison of colorectal carcinoma cells from primary and metastatic lesions to elucidation of mechanisms of tumor progression and response to anticancer therapy. <i>Tumor Biology</i> , <b>2016</b> , 37, 9565-78	2.9	3
10	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> , <b>2017</b> , 67, 233-240	3.1	3
9	The ATP bioluminescence assay: a new application and optimization for viability testing in the parasitic nematode <i>Haemonchus contortus</i> . <i>Veterinary Research</i> , <b>2021</b> , 52, 124	3.8	3
8	Proof of the environmental circulation of veterinary drug albendazole in real farm conditions. <i>Environmental Pollution</i> , <b>2021</b> , 286, 117590	9.3	3
7	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> , <b>2019</b> , 20,	6.3	2
6	The Hepatotoxicity of Alantolactone and Germacrone: Their Influence on Cholesterol and Lipid Metabolism in Differentiated HepaRG Cells. <i>Nutrients</i> , <b>2020</b> , 12,	6.7	2
5	UDP-Glycosyltransferases and Albendazole Metabolism in the Juvenile Stages of. <i>Frontiers in Physiology</i> , <b>2020</b> , 11, 594116	4.6	2
4	MicroRNAs mediated regulation of glutathione peroxidase 7 expression and its changes during adipogenesis. <i>Biochimica Et Biophysica Acta - Gene Regulatory Mechanisms</i> , <b>2021</b> , 1864, 194734	6	2
3	Sertraline as a new potential anthelmintic against <i>Haemonchus contortus</i> : toxicity, efficacy, and biotransformation.. <i>Veterinary Research</i> , <b>2021</b> , 52, 143	3.8	1
2	The role of UDP-glycosyltransferases in xenobiotic-resistance. <i>Drug Metabolism Reviews</i> , 1-31	7	1

- 1 Environmental circulation of the anthelmintic drug albendazole affects expression and activity of resistance-related genes in the parasitic nematode *Haemonchus contortus*.. *Science of the Total Environment*, **2022**, 822, 153527 10.2 0