

Galia Zamaratskaia

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.

111
papers

2,351
citations

27
h-index

43
g-index

117
ext. papers

2,663
ext. citations

4
avg, IF

5.19
L-index

#	Paper	IF	Citations
111	Gels mimicking antibodies in their selective recognition of proteins. <i>Chromatographia</i> , 1997 , 44, 227-234	2.1	160
110	Biochemical, nutritional and genetic effects on boar taint in entire male pigs. <i>Animal</i> , 2009 , 3, 1508-21	3.1	140
109	Effect of a gonadotropin-releasing hormone vaccine (Improvac) on steroid hormones, boar taint compounds and performance in entire male pigs. <i>Reproduction in Domestic Animals</i> , 2008 , 43, 351-359	1.6	91
108	Long-term effect of vaccination against gonadotropin-releasing hormone, using Improvac, on hormonal profile and behaviour of male pigs. <i>Animal Reproduction Science</i> , 2008 , 108, 37-48	2.1	84
107	Effects of pharmaceuticals present in aquatic environment on Phase I metabolism in fish. <i>Environmental Toxicology and Pharmacology</i> , 2015 , 40, 430-44	5.8	77
106	The effect of age on distribution of skatole and indole levels in entire male pigs in four breeds: Yorkshire, Landrace, Hampshire and Duroc. <i>Meat Science</i> , 2004 , 67, 351-8	6.4	67
105	Early immunocastration of male pigs with Improvac(□) - effect on boar taint, hormones and reproductive organs. <i>Vaccine</i> , 2011 , 29, 9514-20	4.1	64
104	Comparison of xenobiotic-metabolising human, porcine, rodent, and piscine cytochrome P450. <i>Toxicology</i> , 2017 , 375, 10-27	4.4	55
103	Influence of vacuum skin packaging on color stability of beef longissimus lumborum compared with vacuum and high-oxygen modified atmosphere packaging. <i>Meat Science</i> , 2012 , 92, 604-9	6.4	55
102	Plasma skatole and androstenone levels in entire male pigs and relationship between boar taint compounds, sex steroids and thyroxine at various ages. <i>Livestock Science</i> , 2004 , 87, 91-98		54
101	Gender-related differences in cytochrome P450 in porcine liver--implication for activity, expression and inhibition by testicular steroids. <i>Reproduction in Domestic Animals</i> , 2011 , 46, 616-23	1.6	52
100	Effect of live weight and dietary supplement of raw potato starch on the levels of skatole, androstenone, testosterone and oestrone sulphate in entire male pigs. <i>Livestock Science</i> , 2005 , 93, 235-243		51
99	Review of analytical methods to measure boar taint compounds in porcine adipose tissue: the need for harmonised methods. <i>Meat Science</i> , 2012 , 90, 9-19	6.4	48
98	EROD and MROD as Markers of Cytochrome P450 1A Activities in Hepatic Microsomes from Entire and Castrated Male Pigs. <i>Sensors</i> , 2009 , 9, 2134-47	3.8	47
97	Comparison of cytochrome P450 concentrations and metabolic activities in porcine hepatic microsomes prepared with two different methods. <i>Toxicology in Vitro</i> , 2011 , 25, 343-6	3.6	45
96	Effect of testicular steroids on catalytic activities of cytochrome P450 enzymes in porcine liver microsomes. <i>Food and Chemical Toxicology</i> , 2007 , 45, 676-81	4.7	45
95	Effects of sex, weight, diet and hCG administration on levels of skatole and indole in the liver and hepatic activities of cytochromes P450E1 and P450A6 in pigs. <i>Meat Science</i> , 2006 , 72, 331-8	6.4	44

94	Age-related variation of plasma concentrations of skatole, androstenone, testosterone, oestradiol-17 beta, oestrone sulphate, dehydroepiandrosterone sulphate, triiodothyronine and IGF-1 in six entire male pigs. <i>Reproduction in Domestic Animals</i> , 2004 , 39, 168-72	1.6	43
93	Regulation of 3βhydroxysteroid dehydrogenase/Δisomerase: a review. <i>International Journal of Molecular Sciences</i> , 2013 , 14, 17926-42	6.3	41
92	Clotrimazole, but not dexamethasone, is a potent in vitro inhibitor of cytochrome P450 isoforms CYP1A and CYP3A in rainbow trout. <i>Chemosphere</i> , 2013 , 92, 1099-104	8.4	40
91	In vivo effect of dried chicory root (<i>Cichorium intybus</i> L.) on xenobiotica metabolising cytochrome P450 enzymes in porcine liver. <i>Toxicology Letters</i> , 2011 , 200, 88-91	4.4	38
90	Modulation of porcine cytochrome P450 enzyme activities by surgical castration and immunocastration. <i>Animal</i> , 2009 , 3, 1124-32	3.1	38
89	Effects of raw potato starch and live weight on fat and plasma skatole, indole and androstenone levels measured by different methods in entire male pigs. <i>Food Chemistry</i> , 2007 , 101, 439-448	8.5	38
88	Aggressive and sexual behaviour of growing and finishing pigs reared in groups, without castration. <i>Acta Agriculturae Scandinavica - Section A: Animal Science</i> , 2006 , 56, 109-119	0.6	38
87	Early vaccination with Improvac® : effects on performance and behaviour of male pigs. <i>Animal</i> , 2012 , 6, 87-95	3.1	36
86	Boar taint is related to endocrine and anatomical changes at puberty but not to aggressive behaviour in entire male pigs. <i>Reproduction in Domestic Animals</i> , 2005 , 40, 500-6	1.6	34
85	Expression and activities of hepatic cytochrome P450 (CYP1A, CYP2A and CYP2E1) in entire and castrated male pigs. <i>Animal</i> , 2012 , 6, 271-7	3.1	30
84	In vitro effects of the citrus flavonoids diosmin, naringenin and naringin on the hepatic drug-metabolizing CYP3A enzyme in human, pig, mouse and fish. <i>Biochemical Pharmacology</i> , 2016 , 110-111, 109-16	6	27
83	Comparison of three fluorescent CYP3A substrates in two vertebrate models: pig and Atlantic salmon. <i>Animal</i> , 2012 , 6, 633-40	3.1	26
82	Gene expression of 3β-hydroxysteroid dehydrogenase and 17β-hydroxysteroid dehydrogenase in relation to androstenone, testosterone, and estrone sulphate in gonadally intact male and castrated pigs. <i>Journal of Animal Science</i> , 2007 , 85, 2457-63	0.7	26
81	In vitro gender-dependent inhibition of porcine cytochrome p450 activity by selected flavonoids and phenolic acids. <i>BioMed Research International</i> , 2015 , 2015, 387918	3	25
80	Regulation of porcine hepatic cytochrome p450 - implication for boar taint. <i>Computational and Structural Biotechnology Journal</i> , 2014 , 11, 106-12	6.8	25
79	Effects of early vaccination with Improvac(®) on the development and function of reproductive organs of male pigs. <i>Animal Reproduction Science</i> , 2011 , 127, 50-5	2.1	25
78	In vitro inhibition of human CYP2E1 and CYP3A by quercetin and myricetin in hepatic microsomes is not gender dependent. <i>Toxicology</i> , 2017 , 381, 10-18	4.4	24
77	Hydrolysable tannin fed to entire male pigs affects intestinal production, tissue deposition and hepatic clearance of skatole. <i>Veterinary Journal</i> , 2015 , 204, 162-7	2.5	23

76	In vitro cytochrome P450 2E1 and 2A activities in the presence of testicular steroids. <i>Reproduction in Domestic Animals</i> , 2011 , 46, 149-54	1.6	21
75	Biomarker response, health indicators, and intestinal microbiome composition in wild brown trout (<i>Salmo trutta m. fario</i> L.) exposed to a sewage treatment plant effluent-dominated stream. <i>Science of the Total Environment</i> , 2018 , 625, 1494-1509	10.2	19
74	Constitutive expression and activity of cytochrome P450 in conventional pigs. <i>Research in Veterinary Science</i> , 2017 , 111, 75-80	2.5	18
73	The effects of sewage treatment plant effluents on hepatic and intestinal biomarkers in common carp (<i>Cyprinus carpio</i>). <i>Science of the Total Environment</i> , 2018 , 635, 1160-1169	10.2	18
72	Feeding dried chicory root to pigs decrease androstenone accumulation in fat by increasing hepatic 3 β hydroxysteroid dehydrogenase expression. <i>Journal of Steroid Biochemistry and Molecular Biology</i> , 2012 , 130, 90-5	5.1	18
71	Effect of hCG administration on the relationship between testicular steroids and indolic compounds in fat and plasma in entire male pigs. <i>Meat Science</i> , 2006 , 72, 339-47	6.4	18
70	Simultaneous determination of flavonols and phenolic acids by HPLC-CoulArray in berries common in the Nordic diet. <i>LWT - Food Science and Technology</i> , 2016 , 74, 128-134	5.4	18
69	Relationship between the activities of cytochromes P4502E1 and P4502A6 and skatole content in fat in entire male pigs fed with and without raw potato starch. <i>Livestock Science</i> , 2005 , 95, 83-88		17
68	Immunocastration of Male Pigs Situation Today. <i>Procedia Food Science</i> , 2015 , 5, 324-327		16
67	Biochemical characteristics and potential applications of ancient cereals - An underexploited opportunity for sustainable production and consumption. <i>Trends in Food Science and Technology</i> , 2021 , 107, 114-123	15.3	16
66	In vitro and in vivo association of porcine hepatic cytochrome P450 3A and 2C activities with testicular steroids. <i>Reproduction in Domestic Animals</i> , 2012 , 47, 891-8	1.6	15
65	Free oestrone in adipose tissue and its relation to androstenone and skatole in entire male pigs. <i>Reproduction in Domestic Animals</i> , 2005 , 40, 156-60	1.6	15
64	High-Meat-Protein High-Fat Diet Induced Dysbiosis of Gut Microbiota and Tryptophan Metabolism in Wistar Rats. <i>Journal of Agricultural and Food Chemistry</i> , 2020 , 68, 6333-6346	5.7	14
63	Sub-lethal effects and bioconcentration of the human pharmaceutical clotrimazole in rainbow trout (<i>Oncorhynchus mykiss</i>). <i>Chemosphere</i> , 2016 , 159, 10-22	8.4	14
62	Effects of hCG stimulation on hepatic activities of cytochromes P4502E1 and P4502A in pubertal male pigs. <i>Reproduction in Domestic Animals</i> , 2008 , 43, 147-52	1.6	14
61	Expression of hepatic 3 β hydroxysteroid dehydrogenase and sulfotransferase 2A1 in entire and castrated male pigs. <i>Molecular Biology Reports</i> , 2012 , 39, 7927-32	2.8	13
60	Novel urinary alkylresorcinol metabolites as biomarkers of whole grain intake in free-living Swedish adults. <i>Molecular Nutrition and Food Research</i> , 2017 , 61, 1700015	5.9	12
59	Exploratory Survey on European Consumer and Stakeholder Attitudes towards Alternatives for Surgical Castration of Piglets. <i>Animals</i> , 2020 , 10,	3.1	12

58	Verapamil does not modify catalytic activity of CYP450 in rainbow trout after long-term exposure. <i>Ecotoxicology and Environmental Safety</i> , 2012 , 79, 148-152	7	12
57	Para-nitrophenol hydroxylation by fish liver microsomes: kinetics and effect of selective cytochrome P450 inhibitors. <i>Fish Physiology and Biochemistry</i> , 2011 , 37, 969-76	2.7	12
56	Moving towards taint-free pork – Alternatives to surgical castration. <i>Acta Veterinaria Scandinavica</i> , 2006 , 48, 1	2	12
55	In vitro effects of rebaudioside A, stevioside and steviol on porcine cytochrome p450 expression and activity. <i>Food Chemistry</i> , 2018 , 258, 245-253	8.5	11
54	Dried chicory root modifies the activity and expression of porcine hepatic CYP3A but not 2C--effect of in vitro and in vivo exposure. <i>Food and Chemical Toxicology</i> , 2012 , 50, 4175-9	4.7	11
53	Effect of single-sex or mixed rearing and live weight on performance, technological meat quality and sexual maturity in entire male and female pigs fed raw potato starch. <i>Acta Agriculturae Scandinavica - Section A: Animal Science</i> , 2005 , 55, 80-90	0.6	11
52	Immunocastration as Alternative to Surgical Castration in Pigs 2017 ,		9
51	Gender-related differences in the formation of skatole metabolites by specific CYP450 in porcine hepatic S9 fractions. <i>Animal</i> , 2015 , 9, 635-42	3.1	9
50	Investigation of testosterone, androstenone, and estradiol metabolism in HepG2 cells and primary culture pig hepatocytes and their effects on 17βHSD7 gene expression. <i>PLoS ONE</i> , 2012 , 7, e52255	3.7	9
49	Phase I metabolism of 3-methylindole, an environmental pollutant, by hepatic microsomes from carp (<i>Cyprinus carpio</i>) and rainbow trout (<i>Oncorhynchus mykiss</i>). <i>Chemosphere</i> , 2016 , 150, 304-310	8.4	9
48	Does dexamethasone affect hepatic CYP450 system of fish? Semi-static in-vivo experiment on juvenile rainbow trout. <i>Chemosphere</i> , 2015 , 139, 155-62	8.4	8
47	Effect of human pharmaceuticals common to aquatic environments on hepatic CYP1A and CYP3A-like activities in rainbow trout (<i>Oncorhynchus mykiss</i>): An in vitro study. <i>Chemosphere</i> , 2018 , 205, 380-386	8.4	8
46	Chestnut wood extract in boar diet reduces intestinal skatole production, a boar taint compound. <i>Agronomy for Sustainable Development</i> , 2016 , 36, 1	6.8	8
45	Complex effects of pollution on fish in major rivers in the Czech Republic. <i>Ecotoxicology and Environmental Safety</i> , 2018 , 164, 92-99	7	8
44	Impact of sourdough fermentation on appetite and postprandial metabolic responses - a randomised cross-over trial with whole grain rye crispbread. <i>British Journal of Nutrition</i> , 2017 , 118, 686-697	3.6	8
43	In vitro effects of diosmin, naringenin, quercetin and indole-3-carbinol on fish hepatic CYP1A1 in the presence of clotrimazole and dexamethasone. <i>Chemosphere</i> , 2018 , 192, 105-112	8.4	8
42	Inter-relationships between the metrics of instrumental meat color and microbial growth during aerobic storage of beef at 4°C. <i>Acta Agriculturae Scandinavica - Section A: Animal Science</i> , 2015 , 65, 97-106	0.6	7
41	Casein breakdown in bovine milk by a field strain of <i>Staphylococcus aureus</i> . <i>Journal of Food Protection</i> , 2013 , 76, 1638-42	2.5	7

40	Cadmium, total mercury, and lead in blood and associations with diet, sociodemographic factors, and smoking in Swedish adolescents. <i>Environmental Research</i> , 2021 , 197, 110991	7.9	7
39	Improvac does not modify the expression and activities of the major drug metabolizing enzymes cytochrome P450 3A and 2C in pigs. <i>Vaccine</i> , 2012 , 30, 3515-8	4.1	6
38	Simultaneous determination of cytochrome P450 1A, 2A and 3A activities in porcine liver microsomes. <i>Interdisciplinary Toxicology</i> , 2012 , 5, 150-4	2.3	6
37	Effect of polymorphism in the porcine cytochrome b5 (CYB5A) gene on androstenone and skatole concentrations and sexual development in Swedish pig populations. <i>Animal</i> , 2008 , 2, 190-6	3.1	6
36	Skatole metabolites in urine as a biological marker of pigs with enhanced hepatic metabolism. <i>Animal</i> , 2016 , 10, 1734-40	3.1	6
35	Porcine cytochrome 2A19 and 2E1. <i>Basic and Clinical Pharmacology and Toxicology</i> , 2019 , 124, 32-39	3.1	6
34	Consumption of whole grain/bran rye instead of refined wheat decrease concentrations of TNF-R2, e-selectin, and endostatin in an exploratory study in men with prostate cancer. <i>Clinical Nutrition</i> , 2020 , 39, 159-165	5.9	6
33	In vitro investigations of the metabolism of Victoria pure blue BO dye to identify main metabolites for food control in fish. <i>Chemosphere</i> , 2020 , 238, 124538	8.4	6
32	Effect of Naringenin, Quercetin, and Sesamin on Xenobiotica-Metabolizing CYP1A and CYP3A in Mice Offspring after Maternal Exposure to Persistent Organic Pollutants. <i>BioMed Research International</i> , 2017 , 2017, 8472312	3	5
31	Co-treatment with indole-3-carbinol and resveratrol modify porcine CYP1A and CYP3A activities and expression. <i>Xenobiotica</i> , 2018 , 48, 232-240	2	5
30	In vitro inhibition of 7-ethoxyresorufin-O-deethylase (EROD) and p-nitrophenol hydroxylase (PNPH) activities by sesamin in hepatic microsomes from two fish species. <i>Molecular Biology Reports</i> , 2013 , 40, 457-62	2.8	5
29	In vitro inhibition of porcine cytochrome P450 by 17 β -estradiol and 17 α -estradiol. <i>Interdisciplinary Toxicology</i> , 2011 , 4, 78-84	2.3	5
28	Studies on 5 α -androst-16-en-3-one binding to porcine serum, plasma and testicular cytosolic fraction and to human serum. <i>Journal of Steroid Biochemistry and Molecular Biology</i> , 2008 , 111, 24-8	5.1	5
27	Effect of hCG stimulation on plasma androstenone concentrations and cytochrome b5 levels in testicular tissue. <i>Reproduction in Domestic Animals</i> , 2007 , 42, 105-8	1.6	5
26	Strategies to Meet Nutritional Requirements and Reduce Boar Taint in Meat from Entire Male Pigs and Immunocastrates. <i>Animals</i> , 2020 , 10,	3.1	5
25	Comparable constitutive expression and activity of cytochrome P450 between the lobes of the porcine liver. <i>Toxicology in Vitro</i> , 2014 , 28, 1190-5	3.6	4
24	A modified high performance liquid chromatographic method for simultaneous quantification of skatole and indole in porcine plasma. <i>Acta Veterinaria Brno</i> , 2012 , 81, 153-158	0.8	4
23	Perspectives and safety of horsemeat consumption. <i>International Journal of Food Science and Technology</i> , 2020 , 55, 942-952	3.8	4

22	Determination of biogenic amines in aerobically stored beef using high-performance thin-layer chromatography densitometry. <i>Acta Agriculturae Scandinavica - Section A: Animal Science</i> , 2016 , 66, 199-205	0.6	4
21	Effects of acetone, acetonitrile, ethanol, methanol and DMSO on cytochrome P450 in rainbow trout (<i>Oncorhynchus mykiss</i>) hepatic microsomes. <i>Toxicology Mechanisms and Methods</i> , 2015 , 25, 501-6	3.6	4
20	Tissue-specific regulation of CYP3A by hydrolysable tannins in male pigs. <i>Xenobiotica</i> , 2016 , 46, 591-596	2	3
19	CYP1A1 activity in rainbow trout is inhibited by the environmental pollutant p-cresol. <i>Environmental Toxicology and Pharmacology</i> , 2018 , 62, 199-202	5.8	3
18	Tolbutamide hydroxylation by hepatic microsomes from Atlantic salmon (<i>Salmo salar</i> L.). <i>Molecular Biology Reports</i> , 2012 , 39, 6867-73	2.8	3
17	Hepatic ethoxy-, methoxy- and pentoxyresorufin O-dealkylase activities in Landrace and Duroc pigs stimulated with HCG. <i>Reproduction in Domestic Animals</i> , 2010 , 45, e269-74	1.6	3
16	Application of LCMS for Determination of Indole and 3-Methylindole in Porcine Adipose Tissue. <i>Chromatographia</i> , 2006 , 64, 435-439	2.1	3
15	Tissue-specific expression and activity of cytochrome P450 1A and 3A in rainbow trout (<i>Oncorhynchus mykiss</i>). <i>Toxicology Letters</i> , 2021 , 341, 1-10	4.4	3
14	In Vitro Metabolic Transformation of Pharmaceuticals by Hepatic S9 Fractions from Common Carp. <i>Molecules</i> , 2020 , 25,	4.8	2
13	7-Hydroxylation of warfarin is strongly inhibited by sesamin, but not by episesamin, caffeic and ferulic acids in human hepatic microsomes. <i>Food and Chemical Toxicology</i> , 2018 , 113, 14-18	4.7	2
12	Expression of the hepatic skatole- and androstenone-metabolising enzymes in entire male pigs of two live weights. <i>Livestock Science</i> , 2012 , 145, 124-130	1.7	2
11	Skatole metabolism in the pigs with reduced testicular oestrogen synthesis. <i>Reproduction in Domestic Animals</i> , 2014 , 49, 302-5	1.6	2
10	Chicken-eaters and pork-eaters have different gut microbiota and tryptophan metabolites. <i>Scientific Reports</i> , 2021 , 11, 11934	4.9	2
9	Fatty acid composition of salted and fermented products from Baikal omul (<i>Oncorhynchus tshawytscha</i>). <i>Journal of Food Science and Technology</i> , 2020 , 57, 595-605	3.3	2
8	Effects of High Intakes of Fructose and Galactose, with or without Added Fructooligosaccharides, on Metabolic Factors, Inflammation, and Gut Integrity in a Rat Model. <i>Molecular Nutrition and Food Research</i> , 2021 , 65, e2001133	5.9	2
7	Impact of crude protein content in silage and concentrate on protein and fatty acid profiles in bovine milk. <i>Czech Journal of Animal Science</i> , 2013 , 58, 304-312	1.1	1
6	Perinatal exposure to a human relevant mixture of persistent organic pollutants: Effects on mammary gland development, ovarian folliculogenesis and liver in CD-1 mice. <i>PLoS ONE</i> , 2021 , 16, e0252954	3.7	1
5	End-product inhibition of skatole-metabolising enzymes CYP1A, CYP2A19 and CYP2E1 in porcine and piscine hepatic microsomes. <i>Toxicology Letters</i> , 2019 , 303, 67-71	4.4	1

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| 4 | A rapid and sensitive method to determine potassium permanganate in meat. <i>Journal Fur Verbraucherschutz Und Lebensmittelsicherheit</i> , 2019 , 14, 167-172 | 2.3 | 1 |
| 3 | Stimulatory effect of sesamin on hepatic cytochrome P450 activities in Atlantic salmon (<i>Salmo salar</i> L.) is not directly associated with expression of genes related to xenobiotic metabolism. <i>Xenobiotica</i> , 2015 , 45, 598-604 | 2 | |
| 2 | Response to the letter to the editor from Dr. Markus Lacorn. <i>Food Chemistry</i> , 2009 , 112, 1008-1009 | 8.5 | |
| 1 | Breastfeeding during infancy and consumption of fish and dairy products are associated with chlorinated persistent organic pollutants in serum from Swedish adolescents. <i>Environmental Advances</i> , 2022 , 8, 100210 | 3.5 | |