Galia Zamaratskaia

List of Publications by Year in Descending Order

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	Breastfeeding during infancy and consumption of fish and dairy products are associated with chlorinated persistent organic pollutants in serum from Swedish adolescents. *Environmental Advances*, **2022**, 8, 100210	3.5	
110	Tissue-specific expression and activity of cytochrome P450 1A and 3A in rainbow trout (Oncorhynchus mykiss). *Toxicology Letters*, **2021**, 341, 1-10	4.4	3
109	Chicken-eaters and pork-eaters have different gut microbiota and tryptophan metabolites. *Scientific Reports*, **2021**, 11, 11934	4.9	2
108	Perinatal exposure to a human relevant mixture of persistent organic pollutants: Effects on mammary gland development, ovarian folliculogenesis and liver in CD-1 mice. *PLoS ONE*, **2021**, 16, e0252954	3.7	1
107	Cadmium, total mercury, and lead in blood and associations with diet, sociodemographic factors, and smoking in Swedish adolescents. *Environmental Research*, **2021**, 197, 110991	7.9	7
106	Biochemical characteristics and potential applications of ancient cereals - An underexploited opportunity for sustainable production and consumption. *Trends in Food Science and Technology*, **2021**, 107, 114-123	15.3	16
105	Effects of High Intakes of Fructose and Galactose, with or without Added Fructooligosaccharides, on Metabolic Factors, Inflammation, and Gut Integrity in a Rat Model. *Molecular Nutrition and Food Research*, **2021**, 65, e2001133	5.9	2
104	Exploratory Survey on European Consumer and Stakeholder Attitudes towards Alternatives for Surgical Castration of Piglets. *Animals*, **2020**, 10,	3.1	12
103	High-Meat-Protein High-Fat Diet Induced Dysbiosis of Gut Microbiota and Tryptophan Metabolism in Wistar Rats. *Journal of Agricultural and Food Chemistry*, **2020**, 68, 6333-6346	5.7	14
102	In Vitro Metabolic Transformation of Pharmaceuticals by Hepatic S9 Fractions from Common Carp. *Molecules*, **2020**, 25,	4.8	2
101	Perspectives and safety of horsemeat consumption. *International Journal of Food Science and Technology*, **2020**, 55, 942-952	3.8	4
100	Strategies to Meet Nutritional Requirements and Reduce Boar Taint in Meat from Entire Male Pigs and Immunocastrates. *Animals*, **2020**, 10,	3.1	5
99	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. *Clinical Nutrition*, **2020**, 39, 159-165	5.9	6
98	Fatty acid composition of salted and fermented products from Baikal omul (). *Journal of Food Science and Technology*, **2020**, 57, 595-605	3.3	2
97	In vitro investigations of the metabolism of Victoria pure blue BO dye to identify main metabolites for food control in fish. *Chemosphere*, **2020**, 238, 124538	8.4	6
96	Porcine cytochrome 2A19 and 2E1. *Basic and Clinical Pharmacology and Toxicology*, **2019**, 124, 32-39	3.1	6
95	End-product inhibition of skatole-metabolising enzymes CYP1A, CYP2A19 and CYP2E1 in porcine and piscine hepatic microsomes. *Toxicology Letters*, **2019**, 303, 67-71	4.4	1

94	A rapid and sensitive method to determine potassium permanganate in meat. *Journal Fur Verbraucherschutz Und Lebensmittelsicherheit*, **2019**, 14, 167-172	2.3	1
93	7-Hydroxylation of warfarin is strongly inhibited by sesamin, but not by episesamin, caffeic and ferulic acids in human hepatic microsomes. *Food and Chemical Toxicology*, **2018**, 113, 14-18	4.7	2
92	Biomarker response, health indicators, and intestinal microbiome composition in wild brown trout (Salmo trutta m. fario L.) exposed to a sewage treatment plant effluent-dominated stream. *Science of the Total Environment*, **2018**, 625, 1494-1509	10.2	19
91	The effects of sewage treatment plant effluents on hepatic and intestinal biomarkers in common carp (Cyprinus carpio). *Science of the Total Environment*, **2018**, 635, 1160-1169	10.2	18
90	Effect of human pharmaceuticals common to aquatic environments on hepatic CYP1A and CYP3A-like activities in rainbow trout (Oncorhynchus mykiss): An in vitro study. *Chemosphere*, **2018**, 205, 380-386	8.4	8
89	In vitro effects of rebaudioside A, stevioside and steviol on porcine cytochrome p450 expression and activity. *Food Chemistry*, **2018**, 258, 245-253	8.5	11
88	Co-treatment with indole-3-carbinol and resveratrol modify porcine CYP1A and CYP3A activities and expression. *Xenobiotica*, **2018**, 48, 232-240	2	5
87	CYP1A1 activity in rainbow trout is inhibited by the environmental pollutant p-cresol. *Environmental Toxicology and Pharmacology*, **2018**, 62, 199-202	5.8	3
86	Complex effects of pollution on fish in major rivers in the Czech Republic. *Ecotoxicology and Environmental Safety*, **2018**, 164, 92-99	7	8
85	In vitro effects of diosmin, naringenin, quercetin and indole-3-carbinol on fish hepatic CYP1A1 in the presence of clotrimazole and dexamethasone. *Chemosphere*, **2018**, 192, 105-112	8.4	8
84	In vitro inhibition of human CYP2E1 and CYP3A by quercetin and myricetin in hepatic microsomes is not gender dependent. *Toxicology*, **2017**, 381, 10-18	4.4	24
83	Novel urinary alkylresorcinol metabolites as biomarkers of whole grain intake in free-living Swedish adults. *Molecular Nutrition and Food Research*, **2017**, 61, 1700015	5.9	12
82	Constitutive expression and activity of cytochrome P450 in conventional pigs. *Research in Veterinary Science*, **2017**, 111, 75-80	2.5	18
81	Effect of Naringenin, Quercetin, and Sesamin on Xenobiotica-Metabolizing CYP1A and CYP3A in Mice Offspring after Maternal Exposure to Persistent Organic Pollutants. *BioMed Research International*, **2017**, 2017, 8472312	3	5
80	Immunocastration as Alternative to Surgical Castration in Pigs **2017**,		9
79	Impact of sourdough fermentation on appetite and postprandial metabolic responses - a randomised cross-over trial with whole grain rye crispbread. *British Journal of Nutrition*, **2017**, 118, 686-697	3.6	8
78	Comparison of xenobiotic-metabolising human, porcine, rodent, and piscine cytochrome P450. *Toxicology*, **2017**, 375, 10-27	4.4	55
77	Chestnut wood extract in boar diet reduces intestinal skatole production, a boar taint compound. *Agronomy for Sustainable Development*, **2016**, 36, 1	6.8	8

76	Sub-lethal effects and bioconcentration of the human pharmaceutical clotrimazole in rainbow trout (Oncorhynchus mykiss). *Chemosphere*, **2016**, 159, 10-22	8.4	14
75	Tissue-specific regulation of CYP3A by hydrolysable tannins in male pigs. *Xenobiotica*, **2016**, 46, 591-596	2	3
74	Determination of biogenic amines in aerobically stored beef using high-performance thin-layer chromatography densitometry. *Acta Agriculturae Scandinavica - Section A: Animal Science*, **2016**, 66, 199-205	0.6	4
73	Skatole metabolites in urine as a biological marker of pigs with enhanced hepatic metabolism. *Animal*, **2016**, 10, 1734-40	3.1	6
72	Phase I metabolism of 3-methylindole, an environmental pollutant, by hepatic microsomes from carp (Cyprinus carpio) and rainbow trout (Oncorhynchus mykiss). *Chemosphere*, **2016**, 150, 304-310	8.4	9
71	In vitro effects of the citrus flavonoids diosmin, naringenin and naringin on the hepatic drug-metabolizing CYP3A enzyme in human, pig, mouse and fish. *Biochemical Pharmacology*, **2016**, 110-111, 109-16	6	27
70	Simultaneous determination of flavonols and phenolic acids by HPLC-CoulArray in berries common in the Nordic diet. *LWT - Food Science and Technology*, **2016**, 74, 128-134	5.4	18
69	Hydrolysable tannin fed to entire male pigs affects intestinal production, tissue deposition and hepatic clearance of skatole. *Veterinary Journal*, **2015**, 204, 162-7	2.5	23
68	Effects of pharmaceuticals present in aquatic environment on Phase I metabolism in fish. *Environmental Toxicology and Pharmacology*, **2015**, 40, 430-44	5.8	77
67	Inter-relationships between the metrics of instrumental meat color and microbial growth during aerobic storage of beef at 4□C. *Acta Agriculturae Scandinavica - Section A: Animal Science*, **2015**, 65, 97-106	0.6	7
66	Does dexamethasone affect hepatic CYP450 system of fish? Semi-static in-vivo experiment on juvenile rainbow trout. *Chemosphere*, **2015**, 139, 155-62	8.4	8
65	Gender-related differences in the formation of skatole metabolites by specific CYP450 in porcine hepatic S9 fractions. *Animal*, **2015**, 9, 635-42	3.1	9
64	Immunocastration of Male Pigs □Situation Today. *Procedia Food Science*, **2015**, 5, 324-327		16
63	In vitro gender-dependent inhibition of porcine cytochrome p450 activity by selected flavonoids and phenolic acids. *BioMed Research International*, **2015**, 2015, 387918	3	25
62	Stimulatory effect of sesamin on hepatic cytochrome P450 activities in Atlantic salmon (Salmo salar L.) is not directly associated with expression of genes related to xenobiotic metabolism. *Xenobiotica*, **2015**, 45, 598-604	2	
61	Effects of acetone, acetonitrile, ethanol, methanol and DMSO on cytochrome P450 in rainbow trout (Oncorhynchus mykiss) hepatic microsomes. *Toxicology Mechanisms and Methods*, **2015**, 25, 501-6	3.6	4
60	Comparable constitutive expression and activity of cytochrome P450 between the lobes of the porcine liver. *Toxicology in Vitro*, **2014**, 28, 1190-5	3.6	4
59	Regulation of porcine hepatic cytochrome p450 - implication for boar taint. *Computational and Structural Biotechnology Journal*, **2014**, 11, 106-12	6.8	25

58	Skatole metabolism in the pigs with reduced testicular oestrogen synthesis. *Reproduction in Domestic Animals*, **2014**, 49, 302-5	1.6	2
57	In vitro inhibition of 7-ethoxyresorufin-O-deethylase (EROD) and p-nitrophenol hydroxylase (PNPH) activities by sesamin in hepatic microsomes from two fish species. *Molecular Biology Reports*, **2013**, 40, 457-62	2.8	5
56	Clotrimazole, but not dexamethasone, is a potent in vitro inhibitor of cytochrome P450 isoforms CYP1A and CYP3A in rainbow trout. *Chemosphere*, **2013**, 92, 1099-104	8.4	40
55	Impact of crude protein content in silage and concentrate on protein and fatty acid profiles in bovine milk. *Czech Journal of Animal Science*, **2013**, 58, 304-312	1.1	1
54	Regulation of 3β-hydroxysteroid dehydrogenase/Δ⁵-isomerase: a review. *International Journal of Molecular Sciences*, **2013**, 14, 17926-42	6.3	41
53	Casein breakdown in bovine milk by a field strain of Staphylococcus aureus. *Journal of Food Protection*, **2013**, 76, 1638-42	2.5	7
52	Expression of the hepatic skatole- and androstenone-metabolising enzymes in entire male pigs of two live weights. *Livestock Science*, **2012**, 145, 124-130	1.7	2
51	In vitro and in vivo association of porcine hepatic cytochrome P450 3A and 2C activities with testicular steroids. *Reproduction in Domestic Animals*, **2012**, 47, 891-8	1.6	15
50	Dried chicory root modifies the activity and expression of porcine hepatic CYP3A but not 2C--effect of in vitro and in vivo exposure. *Food and Chemical Toxicology*, **2012**, 50, 4175-9	4.7	11
49	Improvac does not modify the expression and activities of the major drug metabolizing enzymes cytochrome P450 3A and 2C in pigs. *Vaccine*, **2012**, 30, 3515-8	4.1	6
48	Review of analytical methods to measure boar taint compounds in porcine adipose tissue: the need for harmonised methods. *Meat Science*, **2012**, 90, 9-19	6.4	48
47	Feeding dried chicory root to pigs decrease androstenone accumulation in fat by increasing hepatic 3β-hydroxysteroid dehydrogenase expression. *Journal of Steroid Biochemistry and Molecular Biology* , **2012**, 130, 90-5	5.1	18
46	Verapamil does not modify catalytic activity of CYP450 in rainbow trout after long-term exposure. *Ecotoxicology and Environmental Safety*, **2012**, 79, 148-152	7	12
45	Influence of vacuum skin packaging on color stability of beef longissimus lumborum compared with vacuum and high-oxygen modified atmosphere packaging. *Meat Science*, **2012**, 92, 604-9	6.4	55
44	Investigation of testosterone, androstenone, and estradiol metabolism in HepG2 cells and primary culture pig hepatocytes and their effects on 17β-HSD7 gene expression. *PLoS ONE*, **2012**, 7, e52255	3.7	9
43	Tolbutamide hydroxylation by hepatic microsomes from Atlantic salmon (Salmo salar L.). *Molecular Biology Reports*, **2012**, 39, 6867-73	2.8	3
42	Expression of hepatic 3β-hydroxysteroid dehydrogenase and sulfotransferase 2A1 in entire and castrated male pigs. *Molecular Biology Reports*, **2012**, 39, 7927-32	2.8	13
41	A modified high performance liquid chromatographic method for simultaneous quantification of skatole and indole in porcine plasma. *Acta Veterinaria Brno*, **2012**, 81, 153-158	0.8	4

40	Simultaneous determination of cytochrome P450 1A, 2A and 3A activities in porcine liver microsomes. *Interdisciplinary Toxicology*, **2012**, 5, 150-4	2.3	6
39	Early vaccination with Improvac : effects on performance and behaviour of male pigs. *Animal*, **2012**, 6, 87-95	3.1	36
38	Expression and activities of hepatic cytochrome P450 (CYP1A, CYP2A and CYP2E1) in entire and castrated male pigs. *Animal*, **2012**, 6, 271-7	3.1	30
37	Comparison of three fluorescent CYP3A substrates in two vertebrate models: pig and Atlantic salmon. *Animal*, **2012**, 6, 633-40	3.1	26
36	Effects of early vaccination with Improvac( ) on the development and function of reproductive organs of male pigs. *Animal Reproduction Science*, **2011**, 127, 50-5	2.1	25
35	Early immunocastration of male pigs with Improvac( ) - effect on boar taint, hormones and reproductive organs. *Vaccine*, **2011**, 29, 9514-20	4.1	64
34	Comparison of cytochrome P450 concentrations and metabolic activities in porcine hepatic microsomes prepared with two different methods. *Toxicology in Vitro*, **2011**, 25, 343-6	3.6	45
33	In vivo effect of dried chicory root (Cichorium intybus L.) on xenobiotica metabolising cytochrome P450 enzymes in porcine liver. *Toxicology Letters*, **2011**, 200, 88-91	4.4	38
32	In vitro inhibition of porcine cytochrome P450 by 17estradiol and 17estradiol. *Interdisciplinary Toxicology*, **2011**, 4, 78-84	2.3	5
31	In vitro cytochrome P450 2E1 and 2A activities in the presence of testicular steroids. *Reproduction in Domestic Animals*, **2011**, 46, 149-54	1.6	21
30	Gender-related differences in cytochrome P450 in porcine liver--implication for activity, expression and inhibition by testicular steroids. *Reproduction in Domestic Animals*, **2011**, 46, 616-23	1.6	52
29	Para-nitrophenol hydroxylation by fish liver microsomes: kinetics and effect of selective cytochrome P450 inhibitors. *Fish Physiology and Biochemistry*, **2011**, 37, 969-76	2.7	12
28	Hepatic ethoxy-, methoxy- and pentoxyresorufin O-dealkylase activities in Landrace and Duroc pigs stimulated with HCG. *Reproduction in Domestic Animals*, **2010**, 45, e269-74	1.6	3
27	EROD and MROD as Markers of Cytochrome P450 1A Activities in Hepatic Microsomes from Entire and Castrated Male Pigs. *Sensors*, **2009**, 9, 2134-47	3.8	47
26	Response to the letter to the editor from Dr. Markus Lacorn. *Food Chemistry*, **2009**, 112, 1008-1009	8.5	
25	Biochemical, nutritional and genetic effects on boar taint in entire male pigs. *Animal*, **2009**, 3, 1508-21	3.1	140
24	Modulation of porcine cytochrome P450 enzyme activities by surgical castration and immunocastration. *Animal*, **2009**, 3, 1124-32	3.1	38
23	Effects of hCG stimulation on hepatic activities of cytochromes P4502E1 and P4502A in pubertal male pigs. *Reproduction in Domestic Animals*, **2008**, 43, 147-52	1.6	14

22	Effect of a gonadotropin-releasing hormone vaccine (Improvac) on steroid hormones, boar taint compounds and performance in entire male pigs. *Reproduction in Domestic Animals*, **2008**, 43, 351-359	1.6	91
21	Studies on 5alpha-androst-16-en-3-one binding to porcine serum, plasma and testicular cytosolic fraction and to human serum. *Journal of Steroid Biochemistry and Molecular Biology*, **2008**, 111, 24-8	5.1	5
20	Long-term effect of vaccination against gonadotropin-releasing hormone, using Improvac, on hormonal profile and behaviour of male pigs. *Animal Reproduction Science*, **2008**, 108, 37-48	2.1	84
19	Effect of polymorphism in the porcine cytochrome b5 (CYB5A) gene on androstenone and skatole concentrations and sexual development in Swedish pig populations. *Animal*, **2008**, 2, 190-6	3.1	6
18	Gene expression of 3beta-hydroxysteroid dehydrogenase and 17beta-hydroxysteroid dehydrogenase in relation to androstenone, testosterone, and estrone sulphate in gonadally intact male and castrated pigs. *Journal of Animal Science*, **2007**, 85, 2457-63	0.7	26
17	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. *Food Chemistry*, **2007**, 101, 439-448	8.5	38
16	Effect of hCG stimulation on plasma androstenone concentrations and cytochrome b5 levels in testicular tissue. *Reproduction in Domestic Animals*, **2007**, 42, 105-8	1.6	5
15	Effect of testicular steroids on catalytic activities of cytochrome P450 enzymes in porcine liver microsomes. *Food and Chemical Toxicology*, **2007**, 45, 676-81	4.7	45
14	Aggressive and sexual behaviour of growing and finishing pigs reared in groups, without castration. *Acta Agriculturae Scandinavica - Section A: Animal Science*, **2006**, 56, 109-119	0.6	38
13	Moving towards taint-free pork alternatives to surgical castration. *Acta Veterinaria Scandinavica*, **2006**, 48, 1	2	12
12	Effects of sex, weight, diet and hCG administration on levels of skatole and indole in the liver and hepatic activities of cytochromes P4502E1 and P4502A6 in pigs. *Meat Science*, **2006**, 72, 331-8	6.4	44
11	Effect of hCG administration on the relationship between testicular steroids and indolic compounds in fat and plasma in entire male pigs. *Meat Science*, **2006**, 72, 339-47	6.4	18
10	Application of LC MS for Determination of Indole and 3-Methylindole in Porcine Adipose Tissue. *Chromatographia*, **2006**, 64, 435-439	2.1	3
9	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. *Acta Agriculturae Scandinavica - Section A: Animal Science*, **2005**, 55, 80-90	0.6	11
8	Free oestrone in adipose tissue and its relation to androstenone and skatole in entire male pigs. *Reproduction in Domestic Animals*, **2005**, 40, 156-60	1.6	15
7	Boar taint is related to endocrine and anatomical changes at puberty but not to aggressive behaviour in entire male pigs. *Reproduction in Domestic Animals*, **2005**, 40, 500-6	1.6	34
6	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. *Livestock Science*, **2005**, 93, 235-243		51
5	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. *Livestock Science*, **2005**, 95, 83-88		17

4	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. *Reproduction in Domestic Animals*, **2004**, 39, 168-72	1.6	43
3	Plasma skatole and androstenone levels in entire male pigs and relationship between boar taint compounds, sex steroids and thyroxine at various ages. *Livestock Science*, **2004**, 87, 91-98		54
2	The effect of age on distribution of skatole and indole levels in entire male pigs in four breeds: Yorkshire, Landrace, Hampshire and Duroc. *Meat Science*, **2004**, 67, 351-8	6.4	67
1	Gels mimicking antibodies in their selective recognition of proteins. *Chromatographia*, **1997**, 44, 227-234	2.1	160