VladimÃ-r Å½lÃ¡bek

List of Publications by Year
in descending order

93 papers	2,962 citations	126708 33 h-index	182168 51 g-index
95 all docs	95 docs citations	95 times ranked	3155 citing authors

#	Article	IF	Citations
1	Acute toxicity of carbamazepine to juvenile rainbow trout (Oncorhynchus mykiss): Effects on antioxidant responses, hematological parameters and hepatic EROD. Ecotoxicology and Environmental Safety, 2011, 74, 319-327.	2.9	144
2	Bioaccumulation of psychoactive pharmaceuticals in fish in an effluent dominated stream. Water Research, 2017, 124, 654-662.	5.3	142
3	Hepatic antioxidant status and hematological parameters in rainbow trout, Oncorhynchus mykiss, after chronic exposure to carbamazepine. Chemico-Biological Interactions, 2010, 183, 98-104.	1.7	136
4	The Effect of Diazinon on Haematological Indices of Common Carp (Cyprinus carpio L.). Acta Veterinaria Brno, 2001, 70, 457-465.	0.2	121
5	Chronic toxicity of verapamil on juvenile rainbow trout (Oncorhynchus mykiss): Effects on morphological indices, hematological parameters and antioxidant responses. Journal of Hazardous Materials, 2011, 185, 870-880.	6.5	117
6	Effects of pharmaceuticals present in aquatic environment on Phase I metabolism in fish. Environmental Toxicology and Pharmacology, 2015, 40, 430-444.	2.0	107
7	Effects of exposure to sublethal propiconazole on the antioxidant defense system and Na+â€“K+-ATPase activity in brain of rainbow trout, Oncorhynchus mykiss. Aquatic Toxicology, 2010, 98, 297-303.	1.9	85
8	Life history and biochemical effects of chlorantraniliprole on Chironomus riparius. Science of the Total Environment, 2015, 508, 506-513.	3.9	83
9	Presence of UV filters in surface water and the effects of phenylbenzimidazole sulfonic acid on rainbow trout (Oncorhynchus mykiss) following a chronic toxicity test. Ecotoxicology and Environmental Safety, 2013, 96, 41-47.	2.9	76
10	Transport of pharmaceuticals and their metabolites between water and sediments as a further potential exposure for aquatic organisms. Journal of Hazardous Materials, 2018, 342, 401-407.	6.5	71
11	Effect of Deltamethrin on Haematological Indices of Common Carp (Cyprinus carpio L.). Acta Veterinaria Brno, 2003, 72, 79-85.	0.2	69
12	Long-term effects of oxytetracycline exposure in zebrafish: A multi-level perspective. Chemosphere, 2019, 222, 333-344.	4.2	65
13	Responses of antioxidant status and Na+â€“K+-ATPase activity in gill of rainbow trout, Oncorhynchus mykiss, chronically treated with carbamazepine. Chemosphere, 2009, 77, 1476-1481.	4.2	63
14	Modulation of antioxidant defence system in brain of rainbow trout (Oncorhynchus mykiss) after chronic carbamazepine treatment. Comparative Biochemistry and Physiology Part - C: Toxicology and Pharmacology, 2010, 151, 137-141.	1.3	57
15	Effects of pollution on chub in the River Elbe, Czech Republic. Ecotoxicology and Environmental Safety, 2009, 72, 737-746.	2.9	55
16	EROD and MROD as Markers of Cytochrome P450 1A Activities in Hepatic Microsomes from Entire and Castrated Male Pigs. Sensors, 2009, 9, 2134-2147.	2.1	54
17	Toxicity of organic UV-filters to the aquatic midge Chironomus riparius. Ecotoxicology and Environmental Safety, 2017, 143, 210-216.	2.9	54
18	Assessment of toxic effects of the antibiotic erythromycin on the marine fish gilthead seabream (Sparus aurata L.) by a multi-biomarker approach. Chemosphere, 2019, 216, 234-247.	4.2	54

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19	Assessment of thiamethoxam toxicity to Chironomus riparius. Ecotoxicology and Environmental Safety, 2017, 137, 240-246.	2.9	50
20	Multiple biomarkers responses in juvenile rainbow trout, Oncorhynchus mykiss, after acute exposure to a fungicide propiconazole. Environmental Toxicology, 2013, 28, 119-126.	2.1	49
21	Physiological condition status and muscleâ€based biomarkers in rainbow trout (Oncorhynchus) Tj ETQq1 1 0.784314 rgBT /Overlock	1.4	48
22	Biochemical and physiological responses in liver and muscle of rainbow trout after long-term exposure to propiconazole. Ecotoxicology and Environmental Safety, 2010, 73, 1391-1396.	2.9	48
23	Behavioural responses of freshwater planarians after short-term exposure to the insecticide chlorantraniliprole. Aquatic Toxicology, 2016, 170, 371-376.	1.9	45
24	Sesamin Increases Alphaâ€Linolenic Acid Conversion to Docosahexaenoic Acid in Atlantic Salmon (Salmo salar L.) Hepatocytes: Role of Altered Gene Expression. Lipids, 2008, 43, 999-1008.	0.7	43
25	Clotrimazole, but not dexamethasone, is a potent in vitro inhibitor of cytochrome P450 isoforms CYP1A and CYP3A in rainbow trout. Chemosphere, 2013, 92, 1099-1104.	4.2	43
26	Distribution of Metals in Tissues of the Common Carp (Cyprinus carpio L.). Acta Veterinaria Brno, 2007, 76, S93-S100.	0.2	42
27	Modulation of porcine cytochrome P450 enzyme activities by surgical castration and immunocastration. Animal, 2009, 3, 1124-1132.	1.3	41
28	Enzymatic alterations and RNA/DNA ratio in intestine of rainbow trout, Oncorhynchus mykiss, induced by chronic exposure to carbamazepine. Ecotoxicology, 2010, 19, 872-878.	1.1	41
29	Effects of exposure to sublethal propiconazole on intestine-related biochemical responses in rainbow trout, Oncorhynchus mykiss. Chemico-Biological Interactions, 2010, 185, 241-246.	1.7	41
30	Modulation of glutathione-related antioxidant defense system of fish chronically treated by the fungicide propiconazole. Comparative Biochemistry and Physiology Part - C: Toxicology and Pharmacology, 2010, 152, 392-398.	1.3	41
31	Sesamin Supplementation Increases White Muscle Docosahexaenoic Acid (DHA) Levels in Rainbow Trout (Oncorhynchus mykiss) Fed High Alphaâ€Linolenic Acid (ALA) Containing Vegetable Oil: Metabolic Actions. Lipids, 2008, 43, 989-997.	0.7	38
32	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, 109-116.	2.0	37
33	Evaluating environmental impact of STPs situated on streams in the Czech Republic: An integrated approach to biomonitoring the aquatic environment. Water Research, 2011, 45, 1403-1413.	5.3	35
34	Water reuse and aquaculture: Pharmaceutical bioaccumulation by fish during tertiary treatment in a wastewater stabilization pond. Environmental Pollution, 2020, 267, 115593.	3.7	34
35	In vitro inhibition of human CYP2E1 and CYP3A by quercetin and myricetin in hepatic microsomes is not gender dependent. Toxicology, 2017, 381, 10-18.	2.0	33
36	Biochemical Markers for Assessing Aquatic Contamination. Sensors, 2007, 7, 2599-2611.	2.1	32

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37	Perfluoroalkyl substances in aquatic environment-comparison of fish and passive sampling approaches. Environmental Research, 2016, 144, 92-98.	3.7	31
38	The sub-lethal effects and tissue concentration of the human pharmaceutical atenolol in rainbow trout (Oncorhynchus mykiss). Science of the Total Environment, 2014, 497-498, 209-218.	3.9	30
39	Comparison of three fluorescent CYP3A substrates in two vertebrate models: pig and Atlantic salmon. Animal, 2012, 6, 633-640.	1.3	29
40	In VitroGender-Dependent Inhibition of Porcine Cytochrome P450 Activity by Selected Flavonoids and Phenolic Acids. BioMed Research International, 2015, 2015, 1-7.	0.9	29
41	Exposure to chlorantraniliprole affects the energy metabolism of the caddisfly Sericostoma vittatum. Environmental Toxicology and Chemistry, 2017, 36, 1584-1591.	2.2	29
42	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.	3.9	26
43	Invasive Species Mediate Insecticide Effects on Community and Ecosystem Functioning. Environmental Science & Technology, 2018, 52, 4889-4900.	4.6	25
44	Foraging behaviour of top predators mediated by pollution of psychoactive pharmaceuticals and effects on ecosystem stability. Science of the Total Environment, 2019, 662, 655-661.	3.9	24
45	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.	3.9	23
46	Effect of Exposure to Bisphenol A on the Sex Differentiation in Zebrafish (Danio rerio). Acta Veterinaria Brno, 2005, 74, 287-291.	0.2	22
47	Contamination of fish in important fishing grounds of the Czech Republic. Ecotoxicology and Environmental Safety, 2014, 109, 101-109.	2.9	21
48	Young-of-the-year fish as a prospective bioindicator for aquatic environmental contamination monitoring. Water Research, 2016, 103, 334-342.	5.3	20
49	Chub (Leuciscus cephalus) as a Bioindicator of Contamination of the Vltava River by Synthetic Musk Fragrances. Archives of Environmental Contamination and Toxicology, 2007, 53, 390-396.	2.1	19
50	Fate of perfluoroalkyl substances within a small stream food web affected by sewage effluent. Water Research, 2018, 134, 226-233.	5.3	18
51	Effects of Multi-Component Mixtures from Sewage Treatment Plant Effluent on Common Carp (Cyprinus carpio) under Fully Realistic Condition. Environmental Management, 2019, 63, 466-484.	1.2	18
52	Profiles of Persistent Organochlorine Pollutants (POPs) in Tissues of Marketable Common Carp and in Bottom Sediments of Selected Ponds of South and West Bohemia. Acta Veterinaria Brno, 2003, 72, 295-309.	0.2	18
53	Sub-lethal effects and bioconcentration of the human pharmaceutical clotrimazole in rainbow trout (Oncorhynchus mykiss). Chemosphere, 2016, 159, 10-22.	4.2	17
54	Biomarkers Detected in Chub (Leuciscus cephalus L.) to Evaluate Contamination of the Elbe and Vltava Rivers, Czech Republic. Bulletin of Environmental Contamination and Toxicology, 2006, 76, 233-241.	1.3	16

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55	Verapamil does not modify catalytic activity of CYP450 in rainbow trout after long-term exposure. Ecotoxicology and Environmental Safety, 2012, 79, 148-152.	2.9	16
56	In vitro and In vivo Association of Porcine Hepatic Cytochrome P450 3A and 2C Activities with Testicular Steroids. Reproduction in Domestic Animals, 2012, 47, 891-898.	0.6	16
57	Metabolome adaptation and oxidative stress response of common carp (Cyprinus carpio) to altered water pollution levels. Environmental Pollution, 2022, 303, 119117.	3.7	15
58	Sesamin as a potential modulator of fatty acid composition in common carp (Cyprinus carpio). Aquaculture Research, 2010, 41, e851-e861.	0.9	14
59	Postâ€release growth and dispersal of pond and hatcheryâ€reared European grayling Thymallus thymallus compared with their wild conspecifics in a small stream. Journal of Fish Biology, 2010, 76, 684-693.	0.7	13
60	Para-nitrophenol hydroxylation by fish liver microsomes: kinetics and effect of selective cytochrome P450 inhibitors. Fish Physiology and Biochemistry, 2011, 37, 969-976.	0.9	12
61	Does dexamethasone affect hepatic CYP450 system of fish? Semi-static in-vivo experiment on juvenile rainbow trout. Chemosphere, 2015, 139, 155-162.	4.2	12
62	Complex effects of pollution on fish in major rivers in the Czech Republic. Ecotoxicology and Environmental Safety, 2018, 164, 92-99.	2.9	12
63	Effect of human pharmaceuticals common to aquatic environments on hepatic CYP1A and CYP3A-like activities in rainbow trout (Oncorhynchus mykiss): An inÂvitro study. Chemosphere, 2018, 205, 380-386.	4.2	11
64	InÂvitro 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.	4.2	11
65	Biochemical responses in gills of rainbow trout exposed to propiconazole. Open Life Sciences, 2011, 6, 84-90.	0.6	10
66	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.	4.2	9
67	Leeches as Sensor-bioindicators of River Contamination by PCBs. Sensors, 2009, 9, 1807-1820.	2.1	8
68	Sex Differentiation and Vitellogenin and 11-Ketotestosterone Levels in Chub, Leuciscus cephalus L., Exposed to 17 Î²-Estradiol and Testosterone During Early Development. Bulletin of Environmental Contamination and Toxicology, 2009, 82, 280-284.	1.3	8
69	Tissue-specific expression and activity of cytochrome P450 1A and 3A in rainbow trout (Oncorhynchus) Tj ETQq1 1 0.784314 rgBT /O	0.4	8
70	Toxicity of Diazinon 60 EC for Cyprinus carpio and Poecilia reticulata. Aquaculture International, 2007, 15, 267-276.	1.1	7
71	InÂvitro investigations of the metabolism of Victoria pure blue BO dye to identify main metabolites for food control in fish. Chemosphere, 2020, 238, 124538.	4.2	7
72	Teleost maturation-inducing hormone, 17,20Î²-dihydroxypregn-4-en-3-one, peaks after spawning in Tinca tinca. General and Comparative Endocrinology, 2011, 172, 234-242.	0.8	6

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73	EFFECT OF CULTURE CONDITIONS ON REPRODUCTIVE TRAITS OF BROWN TROUT SALMO TRUTTA L.. Knowledge and Management of Aquatic Ecosystems: an International Journal on Aquatic Ecosystems, 2006, , 1-12.	0.4	5
74	In vitro inhibition of porcine cytochrome P450 by 17Î²-estradiol and 17Î±-estradiol. Interdisciplinary Toxicology, 2011, 4, 78-84.	1.0	5
75	Recapture and condition of pond-reared, and hatchery-reared 1Â+Â European grayling stocked in addition to wild conspecifics in a small river. Knowledge and Management of Aquatic Ecosystems, 2012, , 10.	0.5	5
76	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, 457-462.	1.0	5
77	End-product inhibition of skatole-metabolising enzymes CYP1A, CYP2A19 and CYP2E1 in porcine and piscine hepatic microsomes. Toxicology Letters, 2019, 303, 67-71.	0.4	5
78	INSECTS IN RAINBOW TROUT (ONCORHYNCHUS MYKISS) FEED: EFFECT ON GROWTH, FATTY ACID COMPOSITION AND SENSORY ATTRIBUTES. Acta Ichthyologica Et Piscatoria, 2020, 50, 171-181.	0.3	5
79	Hepatic Ethoxyâ€, Methoxyâ€•and Pentoxyresorufin Oâ€Dealkylase Activities in Landrace and Duroc Pigs Stimulated with hCG. Reproduction in Domestic Animals, 2010, 45, e269-74.	0.6	4
80	CYP1A1 activity in rainbow trout is inhibited by the environmental pollutant p -cresol. Environmental Toxicology and Pharmacology, 2018, 62, 199-202.	2.0	4
81	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.	1.3	4
82	Use of Biochemical Markers for the Assessment of Organic Pollutant Contamination of the Vltava river, Czech Republic. Acta Veterinaria Brno, 2009, 78, 513-524.	0.2	3
83	Tolbutamide hydroxylation by hepatic microsomes from Atlantic salmon (Salmo salar L.). Molecular Biology Reports, 2012, 39, 6867-6873.	1.0	3
84	Aquatic Environmental Health and Toxicology. BioMed Research International, 2016, 2016, 1-2.	0.9	3
85	Influence of geographic origin on post-stocking survival and condition of European grayling (Thymallus thymallus) in a small river. Aquatic Living Resources, 2018, 31, 29.	0.5	2
86	In Vitro Metabolic Transformation of Pharmaceuticals by Hepatic S9 Fractions from Common Carp (Cyprinus carpio). Molecules, 2020, 25, 2690.	1.7	2
87	Responses of multiple biomarkers in juvenile rainbow trout, Oncorhynchus mykiss, after acute exposure to a human pharmaceutical carpamazepine. Toxicology Letters, 2010, 196, S116.	0.4	1
88	Use of a young-of-the-year fish for assessment of mercury contamination in aquatic environment. Toxicology Letters, 2014, 229, S111.	0.4	1
89	Juvenile fishâ€"Perspective bioindicators for assesment of the aquatic environment contamination. Toxicology Letters, 2006, 164, S176.	0.4	0
90	Alkylphenols in muscle of fish from rivers in the Czech Republic. Toxicology Letters, 2006, 164, S177.	0.4	0

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91	Effects of chronic terbutryn exposure on common carp (Cyprinus carpio L.). Toxicology Letters, 2010, 196, S313.	0.4	0
92	The sub-lethal toxic effects and bioconcentration of the human pharmaceutical atenolol in rainbow trout (Oncorhynchus mykiss). Toxicology Letters, 2013, 221, S60.	0.4	0
93	Stimulatory effect of sesamin on hepatic cytochrome P450 activities in Atlantic salmon (Salmo salarL.) is not directly associated with expression of genes related to xenobiotic metabolism. Xenobiotica, 2015, 45, 598-604.	0.5	0