

Josef Velã-sek

List of Publications by Year in descending order

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Version: 2024-02-01

84
papers

2,877
citations

136950

32
h-index

182427

51
g-index

84
all docs

84
docs citations

84
times ranked

2800
citing authors

#	ARTICLE	IF	CITATIONS
1	Acute toxicity of carbamazepine to juvenile rainbow trout (<i>Oncorhynchus mykiss</i>): Effects on antioxidant responses, hematological parameters and hepatic EROD. <i>Ecotoxicology and Environmental Safety</i> , 2011, 74, 319-327.	6.0	144
2	Hepatic antioxidant status and hematological parameters in rainbow trout, <i>Oncorhynchus mykiss</i> , after chronic exposure to carbamazepine. <i>Chemico-Biological Interactions</i> , 2010, 183, 98-104.	4.0	136
3	Comparison of the effects of four anaesthetics on blood biochemical profiles and oxidative stress biomarkers in rainbow trout. <i>Aquaculture</i> , 2011, 310, 369-375.	3.5	131
4	Chronic toxicity of verapamil on juvenile rainbow trout (<i>Oncorhynchus mykiss</i>): Effects on morphological indices, hematological parameters and antioxidant responses. <i>Journal of Hazardous Materials</i> , 2011, 185, 870-880.	12.4	117
5	Effect of chronic exposure to simazine on oxidative stress and antioxidant response in common carp (<i>Cyprinus carpio</i> L.). <i>Environmental Toxicology and Pharmacology</i> , 2012, 33, 334-343.	4.0	117
6	Assessing the effects of neonicotinoid insecticide on the bivalve mollusc <i>Mytilus galloprovincialis</i> . <i>Science of the Total Environment</i> , 2020, 700, 134914.	8.0	97
7	Acute exposure of common yabby (<i>Cherax destructor</i>) to the neonicotinoid pesticide. <i>Science of the Total Environment</i> , 2019, 665, 718-723.	8.0	93
8	Effects of exposure to sublethal propiconazole on the antioxidant defense system and Na ⁺ -ATPase activity in brain of rainbow trout, <i>Oncorhynchus mykiss</i> . <i>Aquatic Toxicology</i> , 2010, 98, 297-303.	4.0	85
9	Acute effects of neonicotinoid insecticides on <i>Mytilus galloprovincialis</i> : A case study with the active compound thiacloprid and the commercial formulation calypso 480 SC. <i>Ecotoxicology and Environmental Safety</i> , 2020, 203, 110980.	6.0	85
10	A Review of Three Commonly Used Fish Anesthetics. <i>Reviews in Fisheries Science and Aquaculture</i> , 2018, 26, 417-442.	9.1	84
11	Chronic dietary toxicity of zinc oxide nanoparticles in common carp (<i>Cyprinus carpio</i> L.): Tissue accumulation and physiological responses. <i>Ecotoxicology and Environmental Safety</i> , 2018, 147, 110-116.	6.0	83
12	Use of hematological and plasma biochemical parameters to assess the chronic effects of a fungicide propiconazole on a freshwater teleost. <i>Chemosphere</i> , 2011, 83, 572-578.	8.2	77
13	Biochemical, physiological and morphological responses in common carp (<i>Cyprinus carpio</i> L.) after long-term exposure to terbutryn in real environmental concentration. <i>Pesticide Biochemistry and Physiology</i> , 2011, 100, 305-313.	3.6	73
14	Effects of long-term exposure of <i>Mytilus galloprovincialis</i> to thiacloprid: A multibiomarker approach. <i>Environmental Pollution</i> , 2021, 289, 117892.	7.5	73
15	Responses of antioxidant status and Na ⁺ -ATPase activity in gill of rainbow trout, <i>Oncorhynchus mykiss</i> , chronically treated with carbamazepine. <i>Chemosphere</i> , 2009, 77, 1476-1481.	8.2	63
16	Modulation of antioxidant defence system in brain of rainbow trout (<i>Oncorhynchus mykiss</i>) after chronic carbamazepine treatment. <i>Comparative Biochemistry and Physiology Part - C: Toxicology and Pharmacology</i> , 2010, 151, 137-141.	2.6	57
17	Effect of chronic exposure to prometryne on oxidative stress and antioxidant response in common carp (<i>Cyprinus carpio</i> L.). <i>Pesticide Biochemistry and Physiology</i> , 2013, 105, 18-23.	3.6	56
18	Effects of S-metolachlor and its degradation product metolachlor OA on marbled crayfish (<i>Procambarus virginalis</i>). <i>Chemosphere</i> , 2019, 224, 616-625.	8.2	56

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19	Comparison of the effects of four anaesthetics on biochemical blood profiles of perch. <i>Aquaculture Research</i> , 2009, 40, 354-361.	1.8	54
20	Multiple biomarkers responses in juvenile rainbow trout, <i>Oncorhynchus mykiss</i> , after acute exposure to a fungicide propiconazole. <i>Environmental Toxicology</i> , 2013, 28, 119-126.	4.0	49
21	Physiological condition status and muscle-based biomarkers in rainbow trout (<i>Oncorhynchus</i>) Tj ETQq1 1 0.784314 rgBT /Overlo	2.8	48
22	Biochemical and physiological responses in liver and muscle of rainbow trout after long-term exposure to propiconazole. <i>Ecotoxicology and Environmental Safety</i> , 2010, 73, 1391-1396.	6.0	48
23	Effect of thiacloprid on early life stages of common carp (<i>Cyprinus carpio</i>). <i>Chemosphere</i> , 2018, 194, 481-487.	8.2	46
24	Haematological and biochemical profiles of carp blood following nitrite exposure at different concentrations of chloride. <i>Aquaculture Research</i> , 2005, 36, 1177-1184.	1.8	41
25	Enzymatic alterations and RNA/DNA ratio in intestine of rainbow trout, <i>Oncorhynchus mykiss</i> , induced by chronic exposure to carbamazepine. <i>Ecotoxicology</i> , 2010, 19, 872-878.	2.4	41
26	Effects of exposure to sublethal propiconazole on intestine-related biochemical responses in rainbow trout, <i>Oncorhynchus mykiss</i> . <i>Chemico-Biological Interactions</i> , 2010, 185, 241-246.	4.0	41
27	Comparison of production efficiency and quality of differently cultured pikeperch (<i>Sander lucioperca</i>) Tj ETQq1 1 0.784314 rgBT /Overlo 1607-1626.	2.2	38
28	Supplementation with Sodium Selenite and Selenium-Enriched Microalgae Biomass Show Varying Effects on Blood Enzymes Activities, Antioxidant Response, and Accumulation in Common Barbel (<i>Barbus barbus</i>). <i>BioMed Research International</i> , 2014, 2014, 1-8.	1.9	37
29	Biochemical and histological effects of sub-chronic exposure to atrazine in crayfish <i>Cherax destructor</i> . <i>Chemico-Biological Interactions</i> , 2018, 291, 95-102.	4.0	37
30	Effects of terbuthylazine-desethyl, a terbuthylazine degradation product, on red swamp crayfish (<i>Procambarus clarkii</i>). <i>Science of the Total Environment</i> , 2016, 566-567, 733-740.	8.0	36
31	Effects of the terbuthylazine metabolite terbuthylazine-desethyl on common carp embryos and larvae. <i>Science of the Total Environment</i> , 2016, 539, 214-220.	8.0	36
32	Evaluating environmental impact of STPs situated on streams in the Czech Republic: An integrated approach to biomonitoring the aquatic environment. <i>Water Research</i> , 2011, 45, 1403-1413.	11.3	35
33	Parasite-induced increases in the energy costs of movement of host freshwater fish. <i>Physiology and Behavior</i> , 2017, 171, 127-134.	2.1	35
34	The sub-lethal effects and tissue concentration of the human pharmaceutical atenolol in rainbow trout (<i>Oncorhynchus mykiss</i>). <i>Science of the Total Environment</i> , 2014, 497-498, 209-218.	8.0	30
35	Hematological, biochemical and histopathological changes in Caspian brown trout (<i>Salmo trutta</i>) Tj ETQq1 1 0.784314 rgBT /Overlo Reviews, 2017, 36, 73-79.	3.4	28
36	Effects of three triazine metabolites and their mixture at environmentally relevant concentrations on early life stages of marbled crayfish (<i>Procambarus fallax f. virginalis</i>). <i>Chemosphere</i> , 2017, 175, 440-445.	8.2	27

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37	Direct impact of invasive bivalve (<i>Sinanodonta woodiana</i>) parasitism on freshwater fish physiology: evidence and implications. <i>Biological Invasions</i> , 2017, 19, 989-999.	2.4	27
38	Effect of Chronic Exposure to Prometryne on Oxidative Stress and Antioxidant Response in Red Swamp Crayfish (<i>Procambarus clarkii</i>). <i>BioMed Research International</i> , 2014, 2014, 1-6.	1.9	26
39	Effects of s-metolachlor on early life stages of marbled crayfish. <i>Pesticide Biochemistry and Physiology</i> , 2019, 153, 87-94.	3.6	25
40	Effects of prometryne on early life stages of common carp (<i>Cyprinus carpio</i> L.). <i>Pesticide Biochemistry and Physiology</i> , 2015, 118, 58-63.	3.6	24
41	Chronic toxicity of metolachlor OA on growth, ontogenetic development, antioxidant biomarkers and histopathology of early life stages of marbled crayfish. <i>Science of the Total Environment</i> , 2018, 643, 1456-1463.	8.0	24
42	Effects of metazachlor and its major metabolite metazachlor OA on early life stages of marbled crayfish. <i>Scientific Reports</i> , 2020, 10, 875.	3.3	23
43	Effect of terbuthryn at environmental concentrations on early life stages of common carp (<i>Cyprinus</i>) Tj ETQq1 1 0.784314 rgBT / Overlock 22	3.6	22
44	Effects of microcystin-containing cyanobacterial extract on hematological and biochemical parameters of common carp (<i>Cyprinus carpio</i> L.). <i>Fish Physiology and Biochemistry</i> , 2012, 38, 1159-1167.	2.3	21
45	Effect of Terbuthylazine-2-hydroxy at Environmental Concentrations on Early Life Stages of Common Carp (<i>Cyprinus carpio</i> L.). <i>BioMed Research International</i> , 2014, 2014, 1-7.	1.9	21
46	Contamination of fish in important fishing grounds of the Czech Republic. <i>Ecotoxicology and Environmental Safety</i> , 2014, 109, 101-109.	6.0	21
47	Use of biometric, hematologic, and plasma biochemical variables, and histopathology to assess the chronic effects of the herbicide prometryn on Common Carp. <i>Veterinary Clinical Pathology</i> , 2013, 42, 508-515.	0.7	19
48	Chemical Composition of Fillets of Mirror Crossbreds Common Carp (<i>Cyprinus carpio</i> L.). <i>Acta Veterinaria Brno</i> , 2010, 79, 551-557.	0.5	18
49	Effect of the human therapeutic drug diltiazem on the haematological parameters, histology and selected enzymatic activities of rainbow trout <i>Oncorhynchus mykiss</i> . <i>Chemosphere</i> , 2016, 157, 57-64.	8.2	17
50	Effect of single and combination of three triazine metabolites at environmental concentrations on early life stages of common carp (<i>Cyprinus carpio</i> L.). <i>Environmental Science and Pollution Research</i> , 2016, 23, 24289-24297.	5.3	16
51	Histological changes and antioxidant enzyme activity in signal crayfish (<i>Pacifastacus leniusculus</i>) associated with sub-acute peracetic acid exposure. <i>Fish and Shellfish Immunology</i> , 2016, 48, 190-195.	3.6	15
52	The chronic effects of terbuthylazine-2-hydroxy on early life stages of marbled crayfish (<i>Procambarus</i>) Tj ETQq0 0 0 rgBT / Overlock 10 Tf 3,8 14	3.8	14
53	Chronic Toxicity of Primary Metabolites of Chloroacetamide and Glyphosate to Early Life Stages of Marbled Crayfish <i>Procambarus virginalis</i> . <i>Biology</i> , 2022, 11, 927.	2.8	14
54	Opening a new gateway towards the applications of chitosan nanoparticles stabilized Pickering emulsion in the realm of aquaculture. <i>Carbohydrate Polymers</i> , 2021, 265, 118096.	10.2	13

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55	Complex effects of pollution on fish in major rivers in the Czech Republic. <i>Ecotoxicology and Environmental Safety</i> , 2018, 164, 92-99.	6.0	12
56	Effects of Cyhalothrin-Based Pesticide on Early Life Stages of Common Carp (<i>Cyprinus carpio</i> L.). <i>BioMed Research International</i> , 2014, 2014, 1-7.	1.9	11
57	The effect of chronic exposure to chloridazon and its degradation product chloridazon-desphenyl on signal crayfish <i>Pacifastacus leniusculus</i> . <i>Ecotoxicology and Environmental Safety</i> , 2021, 208, 111645.	6.0	11
58	Amino Acid Composition in Fillets of Mirror Crossbreds Common Carp (<i>Cyprinus carpio</i> , Linnaeus) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50	0.5	10
59	Early Ontogeny, Growth and Mortality of Common Carp (<i>Cyprinus carpio</i>) at Low Concentrations of Dimethyl Sulfoxide. <i>Acta Veterinaria Brno</i> , 2009, 78, 505-512.	0.5	10
60	The Effects of Pyrethroid and Triazine Pesticides on Fish Physiology. , 0, , .		10
61	Efficacy of different anaesthetics for pikeperch (<i>Sander lucioperca</i> L.) in relation to water temperature. <i>Neuroendocrinology Letters</i> , 2014, 35 Suppl 2, 81-5.	0.2	10
62	Leeches as Sensor-bioindicators of River Contamination by PCBs. <i>Sensors</i> , 2009, 9, 1807-1820.	3.8	8
63	Efficacy Testing of Orally Administered Praziquantel to Common Carp Naturally Infected by Caryophyllidean Tapeworms (Platyhelminthes: Eucestoda). <i>Acta Veterinaria Brno</i> , 2010, 79, S73-S78.	0.5	8
64	Effect of chronic exposure to prometryne on oxidative stress and antioxidant response in early life stages of common carp (<i>Cyprinus carpio</i> L.). <i>Neuroendocrinology Letters</i> , 2012, 33 Suppl 3, 130-5.	0.2	8
65	Recovery of rainbow trout (<i>Oncorhynchus mykiss</i>) after subchronic nitrite exposure. <i>Acta Veterinaria Brno</i> , 2013, 82, 73-79.	0.5	7
66	Behavior and physiological status of pond-cultured pikeperch (<i>Sander lucioperca</i>) broodstock effected by sexual interactions throughout semi-artificial reproduction. <i>Aquaculture International</i> , 2019, 27, 1093-1107.	2.2	7
67	The effects of the herbicides terbuthylazine and metazachlor at environmental concentration on the burrowing behaviour of red swamp crayfish. <i>Chemosphere</i> , 2021, 270, 128656.	8.2	7
68	Single and combined effects of thiacloprid concentration, exposure duration, and water temperature on marbled crayfish <i>Procambarus virginalis</i> . <i>Chemosphere</i> , 2021, 273, 128463.	8.2	7
69	Effects of different photoperiods on growth performance and health status of largemouth bass (<i>Micropterus salmoides</i>) juveniles. <i>Aquaculture</i> , 2022, 548, 737631.	3.5	7
70	Pupil size variation as a response to stress in European catfish and its application for social stress detection in albino conspecifics. <i>PLoS ONE</i> , 2020, 15, e0244017.	2.5	7
71	Amino acid composition of edible parts of three-year-old experimental scaly crossbreds of common carp (<i>Cyprinus carpio</i> , Linnaeus 1758). <i>Aquaculture Research</i> , 2007, 38, 625-634.	1.8	6
72	The effect of selected ovulation-inducing preparations on post-stripping mortality and reproductive indicators of farmed European grayling (<i>Thymallus thymallus</i> L.). <i>Acta Veterinaria Brno</i> , 2013, 82, 381-386.	0.5	5

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73	Comparative study of stress responses, laterality and familiarity recognition between albino and pigmented fish. <i>Zoology</i> , 2022, 150, 125982.	1.2	5
74	Evaluation of growth and dressing out parameters of experimental scaly crossbreds in 3-year-old common carp (<i>Cyprinus carpio</i> , Linnaeus 1758). <i>Aquaculture Research</i> , 2006, 37, 466-471.	1.8	4
75	Effects of low-concentrations of simazine on early life stages of common carp (<i>Cyprinus carpio</i> L.). <i>Neuroendocrinology Letters</i> , 2012, 33 Suppl 3, 90-5.	0.2	4
76	Effects of chloridazon on early life stages of marbled crayfish. <i>Chemosphere</i> , 2020, 257, 127189.	8.2	3
77	Nitrogen factor of common carp <i>Cyprinus carpio</i> fillets with and without skin. <i>Scientific Reports</i> , 2021, 11, 9926.	3.3	3
78	Effects of terbuthylazine on early life stages of common carp. <i>Neuroendocrinology Letters</i> , 2015, 36 Suppl 1, 120-5.	0.2	3
79	Toxicity of organic selenium (Selemax) and its effects on haematological and biochemical parameters and histopathological changes of common carp (<i>Cyprinus carpio</i> L., 1758). <i>Toxin Reviews</i> , 2016, 35, 207-213.	3.4	2
80	Influence of geographic origin on post-stocking survival and condition of European grayling (<i>Thymallus thymallus</i>) in a small river. <i>Aquatic Living Resources</i> , 2018, 31, 29.	1.2	2
81	A nitrogen factor for European pike-perch (<i>Sander lucioperca</i>), northern pike (<i>Esox lucius</i>), and sheatfish (<i>Silurus glanis</i>) fillets. <i>Acta Ichthyologica Et Piscatoria</i> , 2021, 51, 119-129.	0.7	2
82	Effect of prometryne on early life stages of marbled crayfish (<i>Procambarus fallax f. virginalis</i>). <i>Neuroendocrinology Letters</i> , 2014, 35 Suppl 2, 93-8.	0.2	2
83	Fish and Crayfish Toxicology. <i>BioMed Research International</i> , 2014, 2014, 1-2.	1.9	1
84	Water Qualityâ€Disease Relationship on Commercial Fish Farms. , 2017, , 167-185.		1