

Natalija TopiÄ PopoviÄ

List of Publications by Year in descending order

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56
papers

1,202
citations

430874

18
h-index

395702

33
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56
all docs

56
docs citations

56
times ranked

1543
citing authors

#	ARTICLE	IF	CITATIONS
1	Tricaine methane-sulfonate (MS-222) application in fish anaesthesia. <i>Journal of Applied Ichthyology</i> , 2012, 28, 553-564.	0.7	274
2	Blood Chemistry and Histological Properties of Wild and Cultured Sea Bass (<i>Dicentrarchus labrax</i>) in the North Adriatic Sea. <i>Veterinary Research Communications</i> , 2005, 29, 677-687.	1.6	126
3	Differentiation of environmental aquatic bacterial isolates by MALDI-TOF MS. <i>Environmental Research</i> , 2017, 152, 7-16.	7.5	54
4	Microbiological quality of marketed fresh and frozen seafood caught off the Adriatic coast of Croatia. <i>Veterinarni Medicina</i> , 2010, 55, 233-241.	0.6	47
5	Embryotoxic and genotoxic effects of sewage effluents in zebrafish embryo using multiple endpoint testing. <i>Water Research</i> , 2017, 115, 9-21.	11.3	44
6	Commercial phenotypic tests (API 20E) in diagnosis of fish bacteria: a review. <i>Veterinarni Medicina</i> , 2007, 52, 49-53.	0.6	39
7	Novel methods for assessing fish blood biochemical data. <i>Journal of Applied Ichthyology</i> , 2008, 24, 77-80.	0.7	36
8	Multilevel ecotoxicity assessment of environmentally relevant bisphenol A concentrations using the soil invertebrate <i>Eisenia fetida</i> . <i>Journal of Hazardous Materials</i> , 2016, 318, 477-486.	12.4	35
9	Health status of wild and cultured sea bass in the northern Adriatic Sea. <i>Veterinarni Medicina</i> , 2002, 47, 222-226.	0.6	32
10	Sewage sludge toxicity assessment using earthworm <i>Eisenia fetida</i> : can biochemical and histopathological analysis provide fast and accurate insight?. <i>Environmental Science and Pollution Research</i> , 2016, 23, 12150-12163.	5.3	32
11	<i>Aeromonas hydrophila</i> isolated from wild freshwater fish in Croatia. <i>Veterinary Research Communications</i> , 2000, 24, 371-377.	1.6	28
12	Seasonality of nuclear abnormalities in gilthead sea bream <i>Sparus aurata</i> (L.) erythrocytes. <i>Fish Physiology and Biochemistry</i> , 2009, 35, 287-291.	2.3	27
13	Cage culture effects on mullets (<i>Mugilidae</i>) liver histology and blood chemistry profile. <i>Journal of Fish Biology</i> , 2008, 72, 2557-2569.	1.6	24
14	Evaluation of micronucleus and erythrocytic nuclear abnormalities in Balkan whip snake <i>Hierophis gemonensis</i> . <i>Ecotoxicology</i> , 2010, 19, 1460-1465.	2.4	24
15	Impact of treated wastewater on organismic biosensors at various levels of biological organization. <i>Science of the Total Environment</i> , 2015, 538, 23-37.	8.0	24
16	Health status of rudd (<i>Scardinius erythrophthalmus hesperidicus</i> H.) in Lake Vrana on the Island of Cres, Croatia. <i>Journal of Applied Ichthyology</i> , 2001, 17, 43-45.	0.7	23
17	Reference intervals for haematological and plasma biochemical parameters in sobaity sea bream juveniles (<i>Sparidentex hasta</i> , Valenciennes 1830). <i>Comparative Clinical Pathology</i> , 2015, 24, 1501-1507.	0.7	23
18	Sample preparation and culture condition effects on MALDI-TOF MS identification of bacteria: A review. <i>Mass Spectrometry Reviews</i> , 2023, 42, 1589-1603.	5.4	22

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19	Detection and diversity of aeromonads from treated wastewater and fish inhabiting effluent and downstream waters. <i>Ecotoxicology and Environmental Safety</i> , 2015, 120, 235-242.	6.0	21
20	Fatty acid and proximate composition of bluefin tuna (<i>Thunnus thynnus</i>) muscle with regard to plasma lipids. <i>Aquaculture Research</i> , 2012, 43, 722-729.	1.8	20
21	Nuclear abnormalities of marine fish erythrocytes. <i>Journal of Fish Biology</i> , 2009, 74, 2239-2249.	1.6	17
22	The effect of artificial feed on blood biochemistry profile and liver histology of wild saddled bream, <i>Oblada melanura</i> (Sparidae). <i>Marine Environmental Research</i> , 2011, 71, 218-224.	2.5	15
23	Utilization of the zebrafish model to unravel the harmful effects of biomass burning during Amazonian wildfires. <i>Scientific Reports</i> , 2021, 11, 2527.	3.3	14
24	Micronucleus occurrence in diploid and triploid rainbow trout (<i>Oncorhynchus mykiss</i> Walbaum). <i>Veterinarni Medicina</i> , 2003, 48, 215-220.	0.6	13
25	First evidence of the P-glycoprotein gene expression and multixenobiotic resistance modulation in earthworm. <i>Arhiv Za Higijenu Rada I Toksikologiju</i> , 2014, 65, 67-75.	0.7	13
26	Native Prussian carp (<i>Carassius gibelio</i>) health status, biochemical and histological responses to treated wastewaters. <i>Environmental Pollution</i> , 2016, 218, 689-701.	7.5	12
27	Piscine cytochromes P450 (CYP) and their response to antimicrobial drugs. <i>Aquaculture Research</i> , 2015, 46, 257-271.	1.8	11
28	Cross-sectional study of hepatic CYP1A and CYP3A enzymes in hybrid striped bass, channel catfish and Nile tilapia following oxytetracycline treatment. <i>Research in Veterinary Science</i> , 2012, 92, 283-291.	1.9	10
29	Classification Modeling of Physiological Stages in Captive Balkan Whip Snakes Using Blood Biochemistry Parameters. <i>Journal of Herpetology</i> , 2011, 45, 525-529.	0.5	9
30	Fish photobacteriosisâ€”The importance of rapid and accurate identification of <i>Photobacterium damsela</i> subsp. <i>piscicida</i> . <i>Journal of Fish Diseases</i> , 2019, 42, 1201-1209.	1.9	9
31	Matrix-assisted laser desorption/ionization time of flight mass spectrometry identification of <i>Vibrio (Listonella) anguillarum</i> isolated from sea bass and sea bream. <i>PLoS ONE</i> , 2019, 14, e0225343.	2.5	9
32	Comparison of five tuna plasma analytes measured on two automated blood analyzers. <i>Fish Physiology and Biochemistry</i> , 2006, 32, 99-103.	2.3	8
33	Supplementation with imuno-2865 Â® in gilthead sea bream (<i>Sparus aurata</i> Linnaeus, 1758): Effects on hematological and antioxidant parameters. <i>Fish and Shellfish Immunology</i> , 2015, 47, 590-594.	3.6	8
34	Three major phylogenetic lineages of brown trout (<i>Salmo trutta</i> Linnaeus, 1758) in the Krka River system (Croatia) revealed by complete mitochondrial DNA control region sequencing. <i>Journal of Applied Ichthyology</i> , 2015, 31, 192-196.	0.7	8
35	Comparison of the API 20E and BBL Crystal E/NF Identification Systems for Differentiating Bacterial Isolates from Apparently Healthy Reared Sea Bass (<i>Dicentrarchus labrax</i>). <i>Veterinary Research Communications</i> , 2004, 28, 93-101.	1.6	7
36	Classification accuracy of algorithms for blood chemistry data for three aquaculture-affected marine fish species. <i>Fish Physiology and Biochemistry</i> , 2009, 35, 641-647.	2.3	7

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37	Indication of metal homeostasis disturbance in earthworm <i>Eisenia fetida</i> after exposure to semi-solid depot sludge. <i>Science of the Total Environment</i> , 2015, 526, 127-135.	8.0	7
38	The effects of diet supplemented with <i>Lactobacillus rhamnosus</i> on tissue parameters of rainbow trout, <i>Oncorhynchus mykiss</i> (Walbaum). <i>Aquaculture Research</i> , 2017, 48, 2388-2401.	1.8	7
39	Aquatic bacterial contamination associated with sugarplant sewage outfalls as a microbial hazard for fish. <i>Chemosphere</i> , 2019, 224, 1-8.	8.2	7
40	Presence of unexpected phylogenetic lineages of brown trout <i>Salmo trutta</i> L. in Gacka River, Croatia. <i>Aquaculture Research</i> , 2007, 38, 1682-1685.	1.8	6
41	Blood biochemistry of captive Atlantic bluefin tuna <i>Thunnus thynnus</i> farmed in the Adriatic Sea. <i>Journal of Applied Ichthyology</i> , 2008, 24, 614-616.	0.7	6
42	Seasonal antioxidant and biochemical properties of the Northern Adriatic <i>Pecten jacobaeus</i> . <i>PLoS ONE</i> , 2020, 15, e0230539.	2.5	6
43	High-throughput discrimination of bacteria isolated from <i>Astacus astacus</i> and <i>A. leptodactylus</i> . <i>Knowledge and Management of Aquatic Ecosystems</i> , 2014, , 04.	1.1	5
44	Selenite as a Lipid Inductor in Marine Microalga <i>Dunaliella tertiolecta</i> : Comparison of One-Stage and Two-Stage Cultivation Strategies. <i>Applied Biochemistry and Biotechnology</i> , 2022, 194, 930-949.	2.9	5
45	Identification of environmental aquatic bacteria by mass spectrometry supported by biochemical differentiation. <i>PLoS ONE</i> , 2022, 17, e0269423.	2.5	4
46	Observational Study of Hepatic Cytochrome P-450 Protein Expression and Activity in Summer Flounder & <i>Paralichthys dentatus</i> after Combination Ormetoprim-Sulfadimethoxine Treatment. <i>Chemotherapy</i> , 2007, 53, 313-315.	1.6	3
47	Nanosized zeolite beta - Determining the safety of usage by zebrafish <i>Danio rerio</i> embryos. <i>Microporous and Mesoporous Materials</i> , 2020, 299, 110103.	4.4	3
48	Comparative Tissue Responses of Marine Mollusks on Seasonal Changes in the Northern Adriatic Sea. <i>Applied Sciences (Switzerland)</i> , 2021, 11, 2874.	2.5	3
49	Association of wastewater determinants with fish hematological and plasma biochemical responses: Multivariate analysis approach. <i>Aquaculture Reports</i> , 2021, 21, 100877.	1.7	3
50	The Impact of Treated Wastewaters on Fish Bacterial Flora: A Public Health Perspective. <i>Ribarstvo, Croatian Journal of Fisheries</i> , 2019, 77, 133-136.	0.6	3
51	Assessment of Fish Health: Seasonal Variations in Blood Parameters of the Widely Spread Mediterranean Scorpaenid Species, <i>Scorpaena porcus</i> . <i>Applied Sciences (Switzerland)</i> , 2022, 12, 4106.	2.5	3
52	Predictive modeling of European flat oyster (<i>Ostrea edulis</i> L.) fatty acid composition. <i>Aquaculture International</i> , 2017, 25, 805-825.	2.2	2
53	Comparative Study of Physiological Changes in Turbot <i>Scophthalmus maximus</i> in Different Living Conditions. <i>Applied Sciences (Switzerland)</i> , 2022, 12, 4201.	2.5	2
54	Prediction of <i>Listeria monocytogenes</i> growth as a function of environmental factors. <i>Acta Alimentaria</i> , 2015, 44, 443-453.	0.7	1

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55	Shewanella spp. from wastewater treatment plant-affected environment: isolation and characterization. Environmental Science and Pollution Research, 2022, 29, 82986-83003.	5.3	1
56	Biochemical parameters in the blood of gilthead sea bream (<i>Sparus aurata</i>Linnaeus, 1758) supplemented with commercially available Î²-glucan-based product (IMUNO-2865^{Â®}). Aquaculture Research, 2018, 49, 786-792.	1.8	0