Marijana Erk

List of Publications by Year
in descending order

53 papers	1,014 citations	471371 17 h-index	454834 30 g-index
53 all docs	53 docs citations	53 times ranked	1110 citing authors

#	Article	IF	Citations
1	Application of Calcified Structures in Fish as Indicators of Metal Exposure in Freshwater Ecosystems. Environments - MDPI, 2022, 9, 14.	1.5	2
2	Efficiency of metal bioaccumulation in acanthocephalans, gammarids and fish in relation to metal exposure conditions in a karst freshwater ecosystem. Journal of Trace Elements in Medicine and Biology, 2022, 73, 127037.	1.5	3
3	Determination of Adenylate Nucleotides in Amphipod Gammarus fossarum by Ion-Pair Reverse Phase Liquid Chromatography: Possibilities of Positive Pressure Micro-Solid Phase Extraction. Separations, 2021, 8, 20.	1.1	1
4	Intestine of invasive fish Prussian carp as a target organ in metal exposure assessment of the wastewater impacted freshwater ecosystem. Ecological Indicators, 2021, 122, 107247.	2.6	3
5	First insight in trace element distribution in the intestinal cytosol of two freshwater fish species challenged with moderate environmental contamination. Science of the Total Environment, 2021, 798, 149274.	3.9	1
6	Comparison of intracellular trace element distributions in the liver and gills of the invasive freshwater fish species, Prussian carp (Carassius gibelio Bloch, 1782). Science of the Total Environment, 2020, 730, 138923.	3.9	10
7	Metal(loid) exposure assessment and biomarker responses in captive and free-ranging European brown bear (Ursus arctos). Environmental Research, 2020, 183, 109166.	3.7	10
8	The assessment of metal contamination in water and sediments of the lowland Ilova River (Croatia) impacted by anthropogenic activities. Environmental Science and Pollution Research, 2020, 27, 25374-25389.	2.7	8
9	Thallium accumulation in different organisms from karst and lowland rivers of Croatia under wastewater impact. Environmental Chemistry, 2020, 17, 201.	0.7	9
10	Comparison of electrochemically determined metallothionein concentrations in wild freshwater salmon fish and gammarids and their relation to total and cytosolic metal levels. Ecological Indicators, 2019, 105, 188-198.	2.6	13
11	Mining waste as a cause of increased bioaccumulation of highly toxic metals in liver and gills of Vardar chub (Squalius vardarensis Karaman, 1928). Environmental Pollution, 2019, 247, 564-576.	3.7	9
12	Characterization and identification of selected metal-binding biomolecules from hepatic and gill cytosols of Vardar chub (Squalius vardarensis Karaman, 1928) using various techniques of liquid chromatography and mass spectrometry. Metallomics, 2019, 11, 1060-1078.	1.0	5
13	Evaluation of multi-biomarker response in fish intestine as an initial indication of anthropogenic impact in the aquatic karst environment. Science of the Total Environment, 2019, 660, 1079-1090.	3.9	14
14	Size-exclusion HPLC analysis of trace element distributions in hepatic and gill cytosol of Vardar chub (Squalius vardarensis Karaman) from mining impacted rivers in north-eastern Macedonia. Science of the Total Environment, 2018, 613-614, 1055-1068.	3.9	10
15	Total and cytosolic concentrations of twenty metals/metalloids in the liver of brown trout Salmo trutta (Linnaeus, 1758) from the karstic Croatian river Krka. Ecotoxicology and Environmental Safety, 2018, 147, 537-549.	2.9	12
16	Influence of technological and municipal wastewaters on vulnerable karst riverine system, Krka River in Croatia. Environmental Science and Pollution Research, 2018, 25, 4715-4727.	2.7	22
17	Cytosolic distributions of highly toxic metals Cd and Tl and several essential elements in the liver of brown trout (Salmo trutta L.) analyzed by size exclusion chromatography and inductively coupled plasma mass spectrometry. Chemosphere, 2018, 207, 162-173.	4.2	12
18	Changes in the tissue concentrations of trace elements during the reproductive cycle of Noah's Ark shells (Arca noae Linnaeus, 1758). Marine Pollution Bulletin, 2018, 133, 357-366.	2.3	7

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19	Evaluation of architectural and histopathological biomarkers in the intestine of brown trout (Salmo) Tj ETQq1 1 0.784314 rgBT /Overl 2018, 642, 656-664.	3.9	21
20	Benthos-drift relationships as proxies for the detection of the most suitable bioindicator taxa in flowing waters â€“ a pilot-study within a Mediterranean karst river. Ecotoxicology and Environmental Safety, 2018, 163, 125-135.	2.9	19
21	Acute toxicity of selenate and selenite and their impacts on oxidative status, efflux pump activity, cellular and genetic parameters in earthworm Eisenia andrei. Chemosphere, 2018, 212, 307-318.	4.2	37
22	Electrochemical Determination of Metallothioneins by the Modified BrdiÄka Procedure as an Analytical Tool in Biomonitoring Studies. Croatica Chemica Acta, 2018, 91, .	0.1	4
23	Malondialdehyde concentrations in the intestine and gills of Vardar chub (Squalius vardarensis) Tj ETQq1 1 0.784314 rgBT /Overlock 10 16917-16926.	2.7	22
24	Investigation of the soluble metals in tissue as biological response pattern to environmental pollutants (Gammarus fossarum example). Chemosphere, 2016, 154, 300-309.	4.2	15
25	Trace Metals in Noahâ€™s Ark Shells (Arca noae Linnaeus, 1758): Impact of Tourist Season and Human Health Risk. Archives of Environmental Contamination and Toxicology, 2016, 71, 394-404.	2.1	5
26	Does the Serum Metallothionein Level Reflect the Stage of Testicular Germ Cell Tumor?. Archives of Medical Research, 2016, 47, 232-235.	1.5	0
27	Assessment of metal exposure, ecological status and required water quality monitoring strategies in small- to medium-size temperate rivers. Journal of Environmental Science and Health - Part A Toxic/Hazardous Substances and Environmental Engineering, 2016, 51, 309-317.	0.9	9
28	Serum metallothionein in patients with testicular cancer. Cancer Chemotherapy and Pharmacology, 2015, 75, 813-820.	1.1	14
29	Distribution of Co, Cu, Fe, Mn, Se, Zn, and Cd among cytosolic proteins of different molecular masses in gills of European chub (Squalius cephalus L.). Environmental Science and Pollution Research, 2014, 21, 13512-13521.	2.7	11
30	Surface Water Characterization of Three Rivers in the Lead/Zinc Mining Region of Northeastern Macedonia. Archives of Environmental Contamination and Toxicology, 2014, 66, 514-528.	2.1	32
31	Characterization of the cytosolic distribution of priority pollutant metals and metalloids in the digestive gland cytosol of marine mussels: Seasonal and spatial variability. Science of the Total Environment, 2014, 470-471, 159-170.	3.9	15
32	Distribution of selected essential (Co, Cu, Fe, Mn, Mo, Se, and Zn) and nonessential (Cd, Pb) trace elements among protein fractions from hepatic cytosol of European chub (Squalius cephalus L.). Environmental Science and Pollution Research, 2013, 20, 2340-2351.	2.7	35
33	Selection of Target Mussel Tissue for Application of Cellular Energy Allocation as a Physiological Biomarker in Native MusselsMytilus galloprovincialis(Lamarck, 1819). Journal of Shellfish Research, 2012, 31, 61-68.	0.3	5
34	Cellular energy allocation in mussels (Mytilus galloprovincialis) from the stratified estuary as a physiological biomarker. Marine Pollution Bulletin, 2011, 62, 1124-1129.	2.3	40
35	Assessment of low-level metal contamination using the Mediterranean mussel gills as the indicator tissue. Environmental Science and Pollution Research, 2010, 17, 977-986.	2.7	9
36	Protein and metal concentrations in two fractions of hepatic cytosol of the European chub (Squalius) Tj ETQq0 0 0 rgBT /Overlock 10 Tf	4.2	18

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37	Metallothionein and cellular energy allocation in the estuarine mysid shrimp Neomysis integer exposed to cadmium at different salinities. Journal of Experimental Marine Biology and Ecology, 2008, 357, 172-180.	0.7	29
38	Metallothioneins and cytosolic metals in Neomysis integer exposed to cadmium at different salinities. Marine Environmental Research, 2008, 65, 437-444.	1.1	9
39	The Influence of the Biometric Parameters on Metallothionein and Metal Level in the Heat-Treated Cytosol of the Whole Soft Tissue of Transplanted Mussels. Environmental Monitoring and Assessment, 2006, 114, 49-64.	1.3	13
40	Evaluation of the Mytilus galloprovincialis Lam. digestive gland metallothionein as a biomarker in a long-term field study: Seasonal and spatial variability. Marine Pollution Bulletin, 2005, 50, 1303-1313.	2.3	104
41	Cadmium accumulation and Cd-binding proteins in marine invertebratesâ€"A radiotracer study. Chemosphere, 2005, 61, 1651-1664.	4.2	21
42	Examining the suitability of mussel digestive gland to serve as a biomonitoring target organ. Arhiv Za Higijenu Rada I Toksikologiju, 2005, 56, 141-9.	0.4	0
43	Is the digestive gland of Mytilus galloprovincialis a tissue of choice for estimating cadmium exposure by means of metallothioneins?. Science of the Total Environment, 2004, 333, 99-108.	3.9	70
44	Metal and metallothionein level in the heat-treated cytosol of gills of transplanted mussels Mytilus galloprovincialis Lmk. Environment International, 2004, 30, 1019-1025.	4.8	27
45	Evaluation of different purification procedures for the electrochemical quantification of mussel metallothioneins. Talanta, 2002, 57, 1211-1218.	2.9	112
46	Analysis of metallothioneins by the modified Brdicka procedure. Talanta, 2001, 55, 109-115.	2.9	84
47	Interference of Pb leaching from the pH electrode on Cdâ€"metallothionein complex. Analytica Chimica Acta, 2001, 442, 165-170.	2.6	14
48	Anodic stripping voltammetry in the complexation study of the peptide Lys-Cys-Thr-Cys-Cys-Ala [56â€"61] MT I and cadmium: application in determination of the complexing capacity and stability constant. Journal of Electroanalytical Chemistry, 2001, 502, 174-179.	1.9	19
49	Electrochemical study on Cd binding to metallothioneins isolated from the mussel, Mytilus galloprovincialis. Journal of Electroanalytical Chemistry, 1999, 466, 75-81.	1.9	15
50	Evaluation of cadmiumâ€"metallothionein stability constants based on voltammetric measurements. Analytica Chimica Acta, 1998, 360, 189-194.	2.6	30
51	The interactions of 54Mn with humic acids in freshwater systems. Water Research, 1998, 32, 1753-1758.	5.3	0
52	The interactions of 54Mn with humic substances of freshwater sediment origin. Journal of Environmental Radioactivity, 1997, 35, 203-219.	0.9	1
53	The interactions of 54Mn with aminopolycarboxylic acids in aquatic systems. Water Research, 1996, 30, 1729-1735.	5.3	4