

# Halina I Falfushynska

## List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

65

papers

800

citations

17

h-index

24

g-index

79

ext. papers

1,043

ext. citations

4.2

avg, IF

4.44

L-index

#	Paper	IF	Citations
65	The effects of zinc nanooxide on cellular stress responses of the freshwater mussels <i>Unio tumidus</i> are modulated by elevated temperature and organic pollutants. <i>Aquatic Toxicology</i> , <b>2015</b> , 162, 82-93	5.1	44
64	Comparison of metal bioavailability in frogs from urban and rural sites of Western Ukraine. <i>Archives of Environmental Contamination and Toxicology</i> , <b>2008</b> , 54, 107-13	3.2	41
63	Responses of biochemical markers in carp <i>Cyprinus carpio</i> from two field sites in Western Ukraine. <i>Ecotoxicology and Environmental Safety</i> , <b>2009</b> , 72, 729-36	7	40
62	Effects of a common pharmaceutical, atorvastatin, on energy metabolism and detoxification mechanisms of a marine bivalve <i>Mytilus edulis</i> . <i>Aquatic Toxicology</i> , <b>2019</b> , 208, 47-61	5.1	35
61	Habitat pollution and thermal regime modify molecular stress responses to elevated temperature in freshwater mussels ( <i>Anodonta anatina</i> : Unionidae). <i>Science of the Total Environment</i> , <b>2014</b> , 500-501, 339-50	10.2	34
60	Effect of in situ exposure history on the molecular responses of freshwater bivalve <i>Anodonta anatina</i> (Unionidae) to trace metals. <i>Ecotoxicology and Environmental Safety</i> , <b>2013</b> , 89, 73-83	7	32
59	Biom mineralization-related specialization of hemocytes and mantle tissues of the Pacific oyster. <i>Journal of Experimental Biology</i> , <b>2017</b> , 220, 3209-3221	3	32
58	Validation of oxidative stress responses in two populations of frogs from Western Ukraine. <i>Chemosphere</i> , <b>2008</b> , 73, 1096-101	8.4	30
57	Vulnerability of biomarkers in the indigenous mollusk <i>Anodonta cygnea</i> to spontaneous pollution in a transition country. <i>Chemosphere</i> , <b>2010</b> , 81, 1342-51	8.4	25
56	Different responses of biochemical markers in frogs ( <i>Rana ridibunda</i> ) from urban and rural wetlands to the effect of carbamate fungicide. <i>Comparative Biochemistry and Physiology Part - C: Toxicology and Pharmacology</i> , <b>2008</b> , 148, 223-9	3.2	22
55	The effects of ZnO nanostructures of different morphology on bioenergetics and stress response biomarkers of the blue mussels <i>Mytilus edulis</i> . <i>Science of the Total Environment</i> , <b>2019</b> , 694, 133717	10.2	20
54	Biochemical responses of freshwater mussel <i>Unio tumidus</i> to titanium oxide nanoparticles, Bisphenol A, and their combination. <i>Ecotoxicology</i> , <b>2019</b> , 28, 923-937	2.9	19
53	Diversity of the molecular responses to separate wastewater effluents in freshwater mussels. <i>Comparative Biochemistry and Physiology Part - C: Toxicology and Pharmacology</i> , <b>2014</b> , 164, 51-8	3.2	18
52	Endocrine and cellular stress effects of zinc oxide nanoparticles and nifedipine in marsh frogs <i>Pelophylax ridibundus</i> . <i>Aquatic Toxicology</i> , <b>2017</b> , 185, 171-182	5.1	17
51	Effects of hypoxia and reoxygenation on intermediary metabolite homeostasis of marine bivalves <i>Mytilus edulis</i> and <i>Crassostrea gigas</i> . <i>Comparative Biochemistry and Physiology Part A, Molecular &amp; Integrative Physiology</i> , <b>2020</b> , 242, 110657	2.6	17
50	Variability of responses in the crucian carp <i>Carassius carassius</i> from two Ukrainian ponds determined by multi-marker approach. <i>Ecotoxicology and Environmental Safety</i> , <b>2010</b> , 73, 1896-906	7	17
49	Multi-biomarkers approach in different organs of <i>Anodonta cygnea</i> from the Dnister Basin (Ukraine). <i>Archives of Environmental Contamination and Toxicology</i> , <b>2009</b> , 57, 86-95	3.2	17

48	Endocrine activities and cellular stress responses in the marsh frog <i>Pelophylax ridibundus</i> exposed to cobalt, zinc and their organic nanocomplexes. <i>Aquatic Toxicology</i> , <b>2016</b> , 170, 62-71	5.1	16
47	Various responses to copper and manganese exposure of <i>Carassius auratus gibelio</i> from two populations. <i>Comparative Biochemistry and Physiology Part - C: Toxicology and Pharmacology</i> , <b>2011</b> , 154, 242-53	3.2	16
46	In situ exposure history modulates the molecular responses to carbamate fungicide Tattoo in bivalve mollusk. <i>Ecotoxicology</i> , <b>2013</b> , 22, 433-45	2.9	15
45	Function of metallothioneins in carp <i>Cyprinus carpio</i> from two field sites in Western Ukraine. <i>Ecotoxicology and Environmental Safety</i> , <b>2009</b> , 72, 1425-32	7	14
44	Is the presence of Central European strains of <i>Raphidiopsis</i> ( <i>Cylindrospermopsis</i> ) <i>raciborskii</i> a threat to a freshwater fish? An in vitro toxicological study in common carp cells. <i>Aquatic Toxicology</i> , <b>2019</b> , 206, 105-113	5.1	14
43	Long-Term Acclimation to Different Thermal Regimes Affects Molecular Responses to Heat Stress in a Freshwater Clam <i>Corbicula Fluminea</i> . <i>Scientific Reports</i> , <b>2016</b> , 6, 39476	4.9	13
42	Population-related molecular responses on the effect of pesticides in <i>Carassius auratus gibelio</i> . <i>Comparative Biochemistry and Physiology Part - C: Toxicology and Pharmacology</i> , <b>2012</b> , 155, 396-406	3.2	12
41	Evaluation of biotargeting and ecotoxicity of Co <sup>2+</sup> -containing nanoscale polymeric complex by applying multi-marker approach in bivalve mollusk <i>Anodonta cygnea</i> . <i>Chemosphere</i> , <b>2012</b> , 88, 925-36	8.4	12
40	Interactive effects of salinity variation and exposure to ZnO nanoparticles on the innate immune system of a sentinel marine bivalve, <i>Mytilus edulis</i> . <i>Science of the Total Environment</i> , <b>2020</b> , 712, 136473	10.2	12
39	Bioenergetic responses of freshwater mussels <i>Unio tumidus</i> to the combined effects of nano-ZnO and temperature regime. <i>Science of the Total Environment</i> , <b>2019</b> , 650, 1440-1450	10.2	12
38	Elucidating <i>cylindrospermopsin</i> toxicity via synthetic analogues: An in vitro approach. <i>Chemosphere</i> , <b>2019</b> , 234, 139-147	8.4	11
37	Hepatoprotective Effect of Melatonin in Toxic Liver Injury in Rats. <i>Medicina (Lithuania)</i> , <b>2019</b> , 55,	3.1	11
36	Responses of hepatic metallothioneins and apoptotic activity in <i>Carassius auratus gibelio</i> witness a release of cobalt and zinc from waterborne nanoscale composites. <i>Comparative Biochemistry and Physiology Part - C: Toxicology and Pharmacology</i> , <b>2014</b> , 160, 66-74	3.2	10
35	Vulnerability of marsh frog <i>Pelophylax ridibundus</i> to the typical wastewater effluents ibuprofen, triclosan and estrone, detected by multi-biomarker approach. <i>Comparative Biochemistry and Physiology Part - C: Toxicology and Pharmacology</i> , <b>2017</b> , 202, 26-38	3.2	10
34	Role of Metallothioneins in Adaptation of <i>Lymnaea stagnalis</i> (Mollusca: Pulmonata) to Environment Pollution. <i>Hydrobiological Journal</i> , <b>2011</b> , 47, 56-66	1.1	10
33	Effects of pH and bicarbonate on mitochondrial functions of marine bivalves. <i>Comparative Biochemistry and Physiology Part A, Molecular &amp; Integrative Physiology</i> , <b>2016</b> , 198, 41-50	2.6	10
32	Interspecies comparison of selected pollution biomarkers in dreissenid spp. inhabiting pristine and moderately polluted sites. <i>Science of the Total Environment</i> , <b>2017</b> , 599-600, 760-770	10.2	9
31	A report of <i>Cylindrospermopsis raciborskii</i> and other cyanobacteria in the water reservoirs of power plants in Ukraine. <i>Environmental Science and Pollution Research</i> , <b>2018</b> , 25, 15245-15252	5.1	9

30	Metallothionein and glutathione in <i>Lymnaea stagnalis</i> determine the specificity of responses to the effects of ionising radiation. <i>Radioprotection</i> , <b>2012</b> , 47, 231-242	1.1	9
29	Detoxification and cellular stress responses of unionid mussels <i>Unio tumidus</i> from two cooling ponds to combined nano-ZnO and temperature stress. <i>Chemosphere</i> , <b>2018</b> , 193, 1127-1142	8.4	9
28	Main partitioning criteria for the characterization of the health status in the freshwater mussel <i>Anodonta cygnea</i> from spontaneously polluted area in Western Ukraine. <i>Environmental Toxicology</i> , <b>2012</b> , 27, 485-94	4.2	8
27	Multibiomarker-based assessment of toxicity of central European strains of filamentous cyanobacteria <i>Aphanizomenon gracile</i> and <i>Raphidiopsis raciborskii</i> to zebrafish <i>Danio rerio</i> . <i>Water Research</i> , <b>2021</b> , 194, 116923	12.5	8
26	Effects of intermittent hypoxia on cell survival and inflammatory responses in the intertidal marine bivalves and. <i>Journal of Experimental Biology</i> , <b>2020</b> , 223,	3	7
25	Manifestations of oxidative stress and molecular damages in ovarian cancer tissue. <i>Ukrainian Biochemical Journal</i> , <b>2015</b> , 87, 93-102	0.7	7
24	Polymethoxy-1-Alkenes Screening of <i>Chlorella</i> and <i>Spirulina</i> Food Supplements Coupled with In Vivo Toxicity Studies. <i>Toxins</i> , <b>2020</b> , 12,	4.9	6
23	Hepatic metallothioneins in molecular responses to cobalt, zinc, and their nanoscale polymeric composites in frog <i>Rana ridibunda</i> . <i>Comparative Biochemistry and Physiology Part - C: Toxicology and Pharmacology</i> , <b>2015</b> , 172-173, 45-56	3.2	6
22	Molecular Biomarkers of the Mitochondrial Quality Control Are Differently Affected by Hypoxia-Reoxygenation Stress in Marine Bivalves <i>Crassostrea gigas</i> and <i>Mytilus edulis</i> . <i>Frontiers in Marine Science</i> , <b>2020</b> , 7,	4.5	6
21	Salinity-dependent effects of ZnO nanoparticles on bioenergetics and intermediate metabolite homeostasis in a euryhaline marine bivalve, <i>Mytilus edulis</i> . <i>Science of the Total Environment</i> , <b>2021</b> , 774, 145195	10.2	5
20	Interpopulational variability of molecular responses to ionizing radiation in freshwater bivalves <i>Anodonta anatina</i> (Unionidae). <i>Science of the Total Environment</i> , <b>2016</b> , 568, 444-456	10.2	5
19	A calcium channel blocker nifedipine distorts the effects of nano-zinc oxide on metal metabolism in the marsh frog. <i>Saudi Journal of Biological Sciences</i> , <b>2019</b> , 26, 481-489	4	5
18	In Vitro Toxicological Screening of Stable and Senescing Cultures of , , and. <i>Toxins</i> , <b>2020</b> , 12,	4.9	4
17	Preliminary Study of Multiple Stress Response Reactions in the Pond Snail <i>Lymnaea stagnalis</i> Exposed to Trace Metals and a Thiocarbamate Fungicide at Environmentally Relevant Concentrations. <i>Archives of Environmental Contamination and Toxicology</i> , <b>2020</b> , 79, 89-100	3.2	4
16	Biochemical responses of bivalve mollusk <i>Unio tumidus</i> to the effect of nanoform of zinc oxide depending on the thermal regime. <i>Studia Biologica = Studia Biologica</i> , <b>2017</b> , 11, 25-32	0.5	4
15	The Role of Reversible Protein Phosphorylation in Regulation of the Mitochondrial Electron Transport System During Hypoxia and Reoxygenation Stress in Marine Bivalves. <i>Frontiers in Marine Science</i> , <b>2020</b> , 7,	4.5	3
14	Difference in biochemical markers in the gibel carp ( <i>Carassius auratus gibelio</i> ) upstream and downstream of the hydropower plant. <i>Environmental Pollution</i> , <b>2019</b> , 255, 113213	9.3	3
13	Seasonal and spatial comparison of metallothioneins in frog <i>Rana ridibunda</i> from feral populations. <i>Ecotoxicology</i> , <b>2008</b> , 17, 781-8	2.9	3

12	Multibiomarker assessment in zebrafish <i>Danio rerio</i> after the effects of malathion and chlorpyrifos. <i>Toxicology and Environmental Health Sciences</i> , <b>2021</b> , 13, 165-174	1.9	3
11	. <i>Turkish Journal of Fisheries and Aquatic Sciences</i> , <b>2014</b> , 14,	1.2	2
10	Status of Markers of the Aquatic Environment Toxicity in Bivalve Mollusk <i>Unio tumidus</i> under impact of Common Municipal Pollutants. <i>Hydrobiological Journal</i> , <b>2015</b> , 51, 91-100	1.1	2
9	Responses of the Clam <i>Anodonta anatina</i> to Thermal Impact Depending on Peculiarities of Occurrence in Natural Habitat. <i>Hydrobiological Journal</i> , <b>2016</b> , 52, 71-82	1.1	2
8	Molecular responses of the bivalve mollusks from the cooling pond as a model for prediction of contemporary environmental challenges. <i>Studia Biologica = Studia Biologica</i> , <b>2014</b> , 8, 11-28	0.5	2
7	. <i>Turkish Journal of Fisheries and Aquatic Sciences</i> , <b>2018</b> , 18,	1.2	2
6	Biomarker-based assessment of sublethal toxicity of organic UV filters (ensulizole and octocrylene) in a sentinel marine bivalve <i>Mytilus edulis</i> . <i>Science of the Total Environment</i> , <b>2021</b> , 798, 149171	10.2	2
5	Evaluation of metallothioneins, oxidative stress and signs of cytotoxicity in young obese women. <i>Ukrainian Biochemical Journal</i> , <b>2018</b> , 90, 71-80	0.7	1
4	Uptake, Biodistribution, and Mechanisms of Toxicity of Metal-Containing Nanoparticles in Aquatic Invertebrates and Vertebrates <b>2022</b> , 227-263		1
3	Toxic effects and mechanisms of common pesticides (Roundup and chlorpyrifos) and their mixtures in a zebrafish model ( <i>Danio rerio</i> ).. <i>Science of the Total Environment</i> , <b>2022</b> , 833, 155236	10.2	1
2	Measuring the immeasurable using information technologies on the example of Brownian motion. <i>Physics Education</i> , <b>2021</b> , 56, 065013	0.8	0
1	Zebrafish as a suitable model for studying the mode of action and harmfulness of organophosphate pesticides. <i>E3S Web of Conferences</i> , <b>2021</b> , 280, 11005	0.5	