

Gonca Alak

List of Publications by Year in descending order

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53
papers

1,012
citations

471061

17
h-index

476904

29
g-index

55
all docs

55
docs citations

55
times ranked

766
citing authors

#	ARTICLE	IF	CITATIONS
1	Neurotoxic responses in brain tissues of rainbow trout exposed to imidacloprid pesticide: Assessment of 8-hydroxy-2-deoxyguanosine activity, oxidative stress and acetylcholinesterase activity. <i>Chemosphere</i> , 2017, 175, 186-191.	4.2	121
2	Growth performance and antioxidant enzyme activities in rainbow trout (<i>Oncorhynchus mykiss</i>) juveniles fed diets supplemented with sage, mint and thyme oils. <i>Fish Physiology and Biochemistry</i> , 2015, 41, 165-175.	0.9	85
3	Investigation of 8-OHdG, CYP1A, HSP70 and transcriptional analyses of antioxidant defence system in liver tissues of rainbow trout exposed to eprinomectin. <i>Fish and Shellfish Immunology</i> , 2017, 65, 136-144.	1.6	68
4	Microplastics in Tissues (Brain, Gill, Muscle and Gastrointestinal) of <i>Mullus barbatus</i> and <i>Alosa immaculata</i> . <i>Archives of Environmental Contamination and Toxicology</i> , 2021, 81, 460-469.	2.1	68
5	Neuroprotective effects of dietary borax in the brain tissue of rainbow trout (<i>Oncorhynchus mykiss</i>) exposed to copper-induced toxicity. <i>Fish Physiology and Biochemistry</i> , 2018, 44, 1409-1420.	0.9	41
6	Biogenic amines formation in Atlantic bonito (<i>Sarda sarda</i>) fillets packaged with modified atmosphere and vacuum, wrapped in chitosan and cling film at 4AA°C. <i>European Food Research and Technology</i> , 2011, 232, 23-28.	1.6	40
7	Recent advances in industrial applications of seaweeds. <i>Critical Reviews in Food Science and Nutrition</i> , 2023, 63, 4979-5008.	5.4	38
8	Borax Supplementation Alleviates Hematotoxicity and DNA Damage in Rainbow Trout (<i>Oncorhynchus</i>) Tj ETQq0 0 Q rgBT /Overlock 10 T	1.9	35
9	Evaluation of 8-hydroxy-2-deoxyguanosine and NFκB activation, oxidative stress response, acetylcholinesterase activity, and histopathological changes in rainbow trout brain exposed to linuron. <i>Environmental Toxicology and Pharmacology</i> , 2017, 49, 14-20.	2.0	33
10	A new record for the presence of microplastics in dominant fish species of the Karasu River Erzurum, Turkey. <i>Environmental Science and Pollution Research</i> , 2022, 29, 7866-7876.	2.7	31
11	Assessment of 8-hydroxy-2-deoxyguanosine activity, gene expression and antioxidant enzyme activity on rainbow trout (<i>Oncorhynchus mykiss</i>) tissues exposed to biopesticide. <i>Comparative Biochemistry and Physiology Part - C: Toxicology and Pharmacology</i> , 2017, 203, 51-58.	1.3	28
12	Borax Alleviates Copper-Induced Renal Injury via Inhibiting the DNA Damage and Apoptosis in Rainbow Trout. <i>Biological Trace Element Research</i> , 2019, 191, 495-501.	1.9	26
13	Antioxidant Potential of Ulexite in Zebrafish Brain: Assessment of Oxidative DNA Damage, Apoptosis, and Response of Antioxidant Defense System. <i>Biological Trace Element Research</i> , 2021, 199, 1092-1099.	1.9	26
14	Treatment of oxidative stress, apoptosis, and DNA injury with N-acetylcysteine at simulative pesticide toxicity in fish. <i>Toxicology Mechanisms and Methods</i> , 2021, 31, 224-234.	1.3	26
15	Quinoa as polymer in edible films with essential oil: Effects on rainbow trout fillets shelf life. <i>Journal of Food Processing and Preservation</i> , 2019, 43, e14268.	0.9	23
16	Therapeutic effect of N- acetyl cysteine as an antioxidant on rainbow trout's brain in cypermethrin toxicity. <i>Chemosphere</i> , 2019, 221, 30-36.	4.2	22
17	Hematological and Hepatic Effects of Ulexite in Zebrafish. <i>Environmental Toxicology and Pharmacology</i> , 2020, 80, 103496.	2.0	20
18	The protective effect exerted by dietary borax on toxicity metabolism in rainbow trout (<i>Oncorhynchus mykiss</i>) tissues. <i>Comparative Biochemistry and Physiology Part - C: Toxicology and Pharmacology</i> , 2019, 216, 82-92.	1.3	18

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19	Assesment of hematotoxic, oxidative and genotoxic damage potentials of fipronil in rainbow trout (<i>Oncorhynchus mykiss</i>), Walbaum. <i>Toxicology Mechanisms and Methods</i> , 2021, 31, 73-80.	1.3	18
20	Magnetic nanoparticles-induced neurotoxicity and oxidative stress in brain of rainbow trout: Mitigation by ulexite through modulation of antioxidant, anti-inflammatory, and antiapoptotic activities. <i>Science of the Total Environment</i> , 2022, 838, 155718.	3.9	18
21	Integrated Use of Nitrogen Fertilizer and Fish Manure: Effects on the Growth and Chemical Composition of Spinach. <i>Communications in Soil Science and Plant Analysis</i> , 2019, 50, 1580-1590.	0.6	17
22	Neurophysiological responses in the brain tissues of rainbow trout (<i>Oncorhynchus mykiss</i>) treated with bio-pesticide. <i>Drug and Chemical Toxicology</i> , 2019, 42, 203-209.	1.2	16
23	Oxidative and DNA Damage Potential of Colemanite on Zebrafish: Brain, Liver and Blood. <i>Turkish Journal of Fisheries and Aquatic Sciences</i> , 2020, 20, 593-602.	0.4	15
24	Determination of Fipronil toxicity by different biomarkers in gill and liver tissue of rainbow trout (<i>Oncorhynchus mykiss</i>). <i>In Vitro Cellular and Developmental Biology - Animal</i> , 2020, 56, 543-549.	0.7	13
25	The impact of salt concentrations on the physicochemical and microbiological changes of rainbow trout caviar. <i>Food Bioscience</i> , 2021, 41, 100976.	2.0	13
26	Effects of chitosan with vegetable oil on shelf life of brown trout (<i>Salmo trutta fario</i>) fillets fed on prebiotics. <i>Journal of Food Safety</i> , 2019, 39, e12684.	1.1	10
27	Teratogenic and Neurotoxic Effects of n-Butanol on Zebrafish Development. <i>Journal of Aquatic Animal Health</i> , 2021, 33, 94-106.	0.6	10
28	Neurotoxic responses of rainbow trout (<i>Oncorhynchus mykiss</i>) exposed to fipronil: multi-biomarker approach to illuminate the mechanism in brain. <i>Drug and Chemical Toxicology</i> , 2022, 45, 2140-2145.	1.2	9
29	Investigation of the Oxidative Stress Response of a Green Synthesis Nanoparticle (RP-Ag/ACNPs) in Zebrafish. <i>Biological Trace Element Research</i> , 2021, , 1.	1.9	9
30	Evaluation of different packaging methods and storage temperature on MPs abundance and fillet quality of rainbow trout. <i>Journal of Hazardous Materials</i> , 2021, 420, 126573.	6.5	9
31	The Alterations in the Hematological Parameters of Brown Trout <i>Salmo trutta fario</i> , Exposed to Cobalt Chloride. <i>Journal of Animal and Veterinary Advances</i> , 2010, 9, 2167-2170.	0.1	9
32	Effects of Chitosan Prepared in Different Solvents on Quality Parameters of Mackerel Fillets. <i>Journal of Animal and Veterinary Advances</i> , 2012, 11, 2813-2816.	0.1	9
33	The effect of N-acetylcysteine supplementation on the oxidative stress levels, apoptosis, DNA damage, and hematopoietic effect in pesticide-exposed fish blood. <i>Journal of Biochemical and Molecular Toxicology</i> , 2019, 33, e22311.	1.4	8
34	The investigation of bioremediation potential of <i>Bacillus subtilis</i> and <i>B. thuringiensis</i> isolates under controlled conditions in freshwater. <i>Archives of Microbiology</i> , 2021, 203, 2075-2085.	1.0	8
35	Determining protein denaturation of sardine (<i>Sardina pilchardus</i>) marinates before and after the maturation. <i>Journal of Food Processing and Preservation</i> , 2019, 43, e14059.	0.9	7
36	The effects of n-butanol on oxidative stress and apoptosis in zebra fish (<i>Danio rerio</i>) larvae. <i>Comparative Biochemistry and Physiology Part - C: Toxicology and Pharmacology</i> , 2020, 227, 108636.	1.3	7

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37	Evaluation of antioxidant level and protein oxidation of rainbow trout (<i>Oncorhynchus</i>) Tj ETQq1 1 0.784314 rgBT /Overlock 10	1.1	7
38	Title is missing!. Turkish Journal of Fisheries and Aquatic Sciences, 2013, 13, .	0.4	7
39	Effect of Natural Preservatives on Protein Degradation, Microbiological and Chemical Alterations in Rainbow Trout Fillets. Pakistan Journal of Zoology, 2019, 51, .	0.1	6
40	Effect of nitrogen and fish manure fertilization on growth and chemical composition of lettuce. AIP Conference Proceedings, 2016, , .	0.3	5
41	Borax relieved the acrylamide-induced hematotoxic, hepatotoxic, immunotoxic and genotoxic damages in rainbow trout by regulating apoptosis and Nrf2 signaling pathway. Comparative Biochemistry and Physiology Part - C: Toxicology and Pharmacology, 2022, 259, 109396.	1.3	5
42	Title is missing!. Turkish Journal of Fisheries and Aquatic Sciences, 2013, 13, .	0.4	4
43	Determination of Protein-Lipid Profiles in Hydrolysates Obtained from Trout Byproduct. Pakistan Journal of Zoology, 2019, 51, .	0.1	4
44	Evaluation of brown trout (<i>Salmo trutta fario</i>) filletsâ€™ shelf life: Fed with a humic supplemented diet. Food Packaging and Shelf Life, 2021, 29, 100675.	3.3	3
45	Hematotoxic, oxidative and genotoxic damage in rainbow trout (<i>Oncorhynchus mykiss</i>) after exposure to 3-benzoylpyridine. Toxicology Mechanisms and Methods, 2022, 32, 501-509.	1.3	3
46	Biological activities of a newly synthesized pyrazoline derivative 4-(3-(4-bromophenyl)-5-(2,4-dimethoxyphenyl)-4,5-dihydro-1H-pyrazol-1-yl) benzenesulfonamide (B4) compound on rainbow trout alevins, <i>Oncorhynchus mykiss</i> . In Vitro Cellular and Developmental Biology - Animal, 2021, 57, 17-20.	0.7	2
47	Is Zeolite a Detoxificant: Modelling of Ferrous Chloride/Zeolite Application of Aquatic Organisms on Rainbow Trout (<i>Oncorhynchus mykiss</i>) to Determine Its Effects on Oxidative Stress. Journal of Limnology and Freshwater Fisheries Research, 2016, 2, 77.	0.4	2
48	Effects of Carboxin on Glutathione-S-Transferase Enzyme Activite in Rainbow Trout (<i>Oncorhynchus</i>) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 5	0.1	2
49	Perspective on green synthesis of RP-Pd/AC NPs: characterization, embryonic and neuronal toxicity assessment. International Journal of Environmental Science and Technology, 2023, 20, 871-882.	1.8	2
50	Borax exerts protective effect against ferrocene-induced neurotoxicity in <i>Oncorhynchus mykiss</i> . Journal of Trace Elements in Medicine and Biology, 2022, 72, 126996.	1.5	2
51	Effects of Anionic Surfactant Ingredients on Hematological Index of the Brown Trout (<i>Salmo trutta</i>) Tj ETQq1 1 0.784314 rgBT /Overlock	0.8	1
52	Effects of iron chloride/zeolite on G6PD of rainbow trout (<i>Oncorhynchus mykiss</i>)â€™s liver tissue. AIP Conference Proceedings, 2016, , .	0.3	0
53	The determination of the swimming performance of rainbow trout (<i>Oncorhynchus mykiss</i>) under the effect of detergent. AIP Conference Proceedings, 2017, , .	0.3	0