

Mohamed Banni

List of Publications by Citations

Source: <https://exaly.com/author-pdf/2281368/mohamed-banni-publications-by-citations.pdf>

Version: 2024-04-25

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

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

101
papers

2,823
citations

34
h-index

48
g-index

104
ext. papers

3,330
ext. citations

5.4
avg. IF

5.22
L-index

#	Paper	IF	Citations
101	Quantitative PCR analysis of two molluscan metallothionein genes unveils differential expression and regulation. <i>Gene</i> , 2005 , 345, 259-70	3.8	148
100	Micro- and nano-plastics in edible fruit and vegetables. The first diet risks assessment for the general population. <i>Environmental Research</i> , 2020 , 187, 109677	7.9	127
99	Mechanisms underlying the protective effect of zinc and selenium against cadmium-induced oxidative stress in zebrafish <i>Danio rerio</i> . <i>BioMetals</i> , 2011 , 24, 981-92	3.4	83
98	Gene expression rhythms in the mussel <i>Mytilus galloprovincialis</i> (Lam.) across an annual cycle. <i>PLoS ONE</i> , 2011 , 6, e18904	3.7	82
97	Interactions of a pesticide/heavy metal mixture in marine bivalves: a transcriptomic assessment. <i>BMC Genomics</i> , 2011 , 12, 195	4.5	77
96	Assessment of heavy metal contamination using real-time PCR analysis of mussel metallothionein mt10 and mt20 expression: a validation along the Tunisian coast. <i>Biomarkers</i> , 2007 , 12, 369-83	2.6	76
95	Acute effects of benzo[a]pyrene on digestive gland enzymatic biomarkers and DNA damage on mussel <i>Mytilus galloprovincialis</i> . <i>Ecotoxicology and Environmental Safety</i> , 2010 , 73, 842-8	7	75
94	Effects of malathion and cadmium on acetylcholinesterase activity and metallothionein levels in the fish <i>Seriola dumerilli</i> . <i>Fish Physiology and Biochemistry</i> , 2006 , 32, 93-8	2.7	71
93	Transcriptional response of the mussel <i>Mytilus galloprovincialis</i> (Lam.) following exposure to heat stress and copper. <i>PLoS ONE</i> , 2013 , 8, e66802	3.7	71
92	Influence of combined treatment with zinc and selenium on cadmium induced testicular pathophysiology in rat. <i>Food and Chemical Toxicology</i> , 2010 , 48, 2759-65	4.7	70
91	Monitoring pollution in Tunisian coasts: application of a classification scale based on biochemical markers. <i>Biomarkers</i> , 2005 , 10, 105-16	2.6	65
90	Effects of thermal stress and nickel exposure on biomarkers responses in <i>Mytilus galloprovincialis</i> (Lam). <i>Marine Environmental Research</i> , 2014 , 94, 65-71	3.3	57
89	Uptake and biochemical responses of mussels <i>Mytilus galloprovincialis</i> exposed to sublethal nickel concentrations. <i>Ecotoxicology and Environmental Safety</i> , 2010 , 73, 1712-9	7	51
88	Metallothionein gene expression in liver of rats exposed to cadmium and supplemented with zinc and selenium. <i>Archives of Environmental Contamination and Toxicology</i> , 2010 , 59, 513-9	3.2	51
87	Oxidative DNA damage levels and catalase activity in the clam <i>Ruditapes decussatus</i> as pollution biomarkers of Tunisian marine environment. <i>Environmental Monitoring and Assessment</i> , 2007 , 124, 195-200	3.1	49
86	Characterisation of lead-induced stress molecular biomarkers in <i>Medicago sativa</i> plants. <i>Environmental and Experimental Botany</i> , 2016 , 123, 1-12	5.9	48
85	The organophosphate Chlorpyrifos interferes with the responses to 17 β -estradiol in the digestive gland of the marine mussel <i>Mytilus galloprovincialis</i> . <i>PLoS ONE</i> , 2011 , 6, e19803	3.7	46

84	First report on the presence of small microplastics (B Th) in tissue of the commercial fish <i>Serranus scriba</i> (Linnaeus, 1758) from Tunisian coasts and associated cellular alterations. <i>Environmental Pollution</i> , 2020 , 263, 114576	9.3	46
83	Assessing the impact of Benzo[a]pyrene on Marine Mussels: Application of a novel targeted low density microarray complementing classical biomarker responses. <i>PLoS ONE</i> , 2017 , 12, e0178460	3.7	45
82	Combined effects of n-TiO ₂ and 2,3,7,8-TCDD in <i>Mytilus galloprovincialis</i> digestive gland: A transcriptomic and immunohistochemical study. <i>Environmental Research</i> , 2016 , 145, 135-144	7.9	44
81	Acute effects of benzo[a]pyrene on liver phase I and II enzymes, and DNA damage on sea bream <i>Sparus aurata</i> . <i>Fish Physiology and Biochemistry</i> , 2009 , 35, 293-9	2.7	43
80	Transcriptional expression levels and biochemical markers of oxidative stress in the earthworm <i>Eisenia andrei</i> after exposure to 2,4-dichlorophenoxyacetic acid (2,4-D). <i>Ecotoxicology and Environmental Safety</i> , 2015 , 122, 76-82	7	40
79	Mixture toxicity assessment of cadmium and benzo[a]pyrene in the sea worm <i>Hediste diversicolor</i> . <i>Chemosphere</i> , 2009 , 77, 902-6	8.4	39
78	Involvement of selenoprotein P and GPx4 gene expression in cadmium-induced testicular pathophysiology in rat. <i>Chemico-Biological Interactions</i> , 2010 , 188, 94-101	5	39
77	Acute effects of cadmium on liver phase I and phase II enzymes and metallothionein accumulation on sea bream <i>Sparus aurata</i> . <i>Fish Physiology and Biochemistry</i> , 2008 , 34, 201-7	2.7	39
76	Comparative study of the bioaccumulation and elimination of trace metals (Cd, Pb, Zn, Mn and Fe) in the digestive gland, gills and muscle of bivalve <i>Pinna nobilis</i> during a field transplant experiment. <i>Journal of Trace Elements in Medicine and Biology</i> , 2014 , 28, 212-217	4.1	38
75	Metallothionein and metal levels in liver, gills and kidney of <i>Sparus aurata</i> exposed to sublethal doses of cadmium and copper. <i>Fish Physiology and Biochemistry</i> , 2010 , 36, 101-7	2.7	37
74	Evaluation of involvement of testicular metallothionein gene expression in the protective effect of zinc against cadmium-induced testicular pathophysiology in rat. <i>Reproductive Toxicology</i> , 2010 , 29, 339-45	3.4	37
73	Effects of increasing temperatures on biomarker responses and accumulation of hazardous substances in rope mussels (<i>Mytilus galloprovincialis</i>) from Bizerte lagoon. <i>Environmental Science and Pollution Research</i> , 2014 , 21, 6108-23	5.1	36
72	Increased temperatures affect oxidative stress markers and detoxification response to benzo[a]pyrene exposure in mussel <i>Mytilus galloprovincialis</i> . <i>Archives of Environmental Contamination and Toxicology</i> , 2012 , 63, 534-43	3.2	35
71	Evaluation of enzymatic biomarkers and lipoperoxidation level in <i>Hediste diversicolor</i> exposed to copper and benzo[a]pyrene. <i>Ecotoxicology and Environmental Safety</i> , 2009 , 72, 1893-8	7	35
70	Biochemical characterization and quantitative gene expression analysis of the multi-stress inducible metallothionein from <i>Tetrahymena thermophila</i> . <i>Protist</i> , 2004 , 155, 157-68	2.5	35
69	Monitoring pollution in Tunisian coasts using a scale of classification based on biochemical markers in worms <i>Nereis</i> (<i>Hediste</i>) <i>diversicolor</i> . <i>Environmental Monitoring and Assessment</i> , 2010 , 164, 691-700	3.1	34
68	Multimarker approach analysis in common carp <i>Cyprinus carpio</i> sampled from three freshwater sites. <i>Environmental Monitoring and Assessment</i> , 2010 , 168, 285-98	3.1	34
67	Abundance and distribution of small microplastics (B Th) in sediments and seaworms from the Southern Mediterranean coasts and characterisation of their potential harmful effects. <i>Environmental Pollution</i> , 2020 , 263, 114634	9.3	34

66	Transcriptional expression levels and biochemical markers of oxidative stress in <i>Mytilus galloprovincialis</i> exposed to nickel and heat stress. <i>Comparative Biochemistry and Physiology Part - C: Toxicology and Pharmacology</i> , 2014 , 160, 23-9	3.2	33
65	Biochemical effects in crabs (<i>Carcinus maenas</i>) and contamination levels in the Bizerta Lagoon: an integrated approach in biomonitoring of marine complex pollution. <i>Environmental Science and Pollution Research</i> , 2013 , 20, 2616-31	5.1	33
64	Cadmium-induced ovarian pathophysiology is mediated by change in gene expression pattern of zinc transporters in zebrafish (<i>Danio rerio</i>). <i>Chemico-Biological Interactions</i> , 2011 , 193, 172-9	5	31
63	Biochemical responses and metals levels in <i>Ruditapes decussatus</i> after exposure to treated municipal effluents. <i>Ecotoxicology and Environmental Safety</i> , 2012 , 82, 40-6	7	30
62	Metallothionein induction by Cu, Cd and Hg in <i>Dicentrarchus labrax</i> liver: assessment by RP-HPLC with fluorescence detection and spectrophotometry. <i>Marine Environmental Research</i> , 2008 , 65, 358-63	3.3	30
61	Seasonal variation of oxidative stress biomarkers in clams <i>Ruditapes decussatus</i> sampled from Tunisian coastal areas. <i>Environmental Monitoring and Assessment</i> , 2009 , 155, 119-28	3.1	29
60	Early and efficient induction of antioxidant defense system in <i>Mytilus galloprovincialis</i> embryos exposed to metals and heat stress. <i>Ecotoxicology and Environmental Safety</i> , 2017 , 138, 105-112	7	28
59	Uptake, tissue distribution and toxicological effects of environmental microplastics in early juvenile fish <i>Dicentrarchus labrax</i> . <i>Journal of Hazardous Materials</i> , 2021 , 403, 124055	12.8	27
58	Role of mTOR in autophagic and lysosomal reactions to environmental stressors in molluscs. <i>Aquatic Toxicology</i> , 2018 , 195, 114-128	5.1	26
57	Polymetallic pollution from abandoned mines in Mediterranean regions: a multidisciplinary approach to environmental risks. <i>Regional Environmental Change</i> , 2018 , 18, 677-692	4.3	26
56	Multiple biomarkers of pollution effects in <i>Solea solea</i> fish on the Tunisia coastline. <i>Environmental Science and Pollution Research</i> , 2013 , 20, 3812-21	5.1	26
55	Mixture toxicity assessment of nickel and chlorpyrifos in the sea bass <i>Dicentrarchus labrax</i> . <i>Archives of Environmental Contamination and Toxicology</i> , 2011 , 60, 124-31	3.2	25
54	Gene expression patterns and related enzymatic activities of detoxification and oxidative stress systems in zebrafish larvae exposed to the 2,4-dichlorophenoxyacetic acid herbicide. <i>Chemosphere</i> , 2019 , 224, 289-297	8.4	25
53	High sensitivity of embryo-larval stage of the Mediterranean mussel, <i>Mytilus galloprovincialis</i> to metal pollution in combination with temperature increase. <i>Marine Environmental Research</i> , 2016 , 122, 59-66	3.3	23
52	Biomarker responses of <i>Eisenia andrei</i> to a polymetallic gradient near a lead mining site in North Tunisia. <i>Environmental Pollution</i> , 2016 , 218, 530-541	9.3	23
51	Mode of action of Cr(VI) in immunocytes of earthworms: Implications for animal health. <i>Ecotoxicology and Environmental Safety</i> , 2017 , 138, 298-308	7	22
50	Expression analysis of the molluscan p53 protein family mRNA in mussels (<i>Mytilus</i> spp.) exposed to organic contaminants. <i>Comparative Biochemistry and Physiology Part - C: Toxicology and Pharmacology</i> , 2009 , 149, 414-8	3.2	22
49	Use of earthworms <i>Eisenia andrei</i> on the bioremediation of contaminated area in north of Tunisia and microbial soil enzymes as bioindicator of change on heavy metals speciation. <i>Journal of Soils and Sediments</i> , 2019 , 19, 296-309	3.4	21

48	Changes of the mRNA expression pattern of Zn transporters: a probable mechanism for cadmium retention and zinc redistribution in the suckling rat tissues. <i>Biological Trace Element Research</i> , 2015 , 165, 173-82	4.5	20
47	Use of oxidative stress biomarkers in <i>Carcinus maenas</i> to assess littoral zone contamination in Tunisia. <i>Aquatic Biology</i> , 2011 , 14, 87-98	2	20
46	Molecular and Cellular Effects Induced in <i>Mytilus galloprovincialis</i> Treated with Oxytetracycline at Different Temperatures. <i>PLoS ONE</i> , 2015 , 10, e0128468	3.7	19
45	Acute effects of chlorpyrifos-ethyl and secondary treated effluents on acetylcholinesterase and butyrylcholinesterase activities in <i>Carcinus maenas</i> . <i>Journal of Environmental Sciences</i> , 2009 , 21, 1467-72	6.4	18
44	Physiological, biochemical and transcriptomic responses of <i>Medicago sativa</i> to nickel exposure. <i>Chemosphere</i> , 2020 , 249, 126121	8.4	17
43	Biochemical and proteomic characterisation of haemolymph serum reveals the origin of the alkali-labile phosphate (ALP) in mussel (<i>Mytilus galloprovincialis</i>). <i>Comparative Biochemistry and Physiology Part D: Genomics and Proteomics</i> , 2014 , 11, 29-36	2	17
42	Biochemical responses in seabream (<i>Sparus aurata</i>) caged in-field or exposed to benzo(a)pyrene and paraquat. Characterization of glutathione S-transferases. <i>Ecotoxicology and Environmental Safety</i> , 2013 , 88, 169-77	7	17
41	Cholinesterase activity as biomarker of neurotoxicity: utility in the assessment of aquatic environment contamination. <i>Journal of Integrated Coastal Zone Management</i> , 2013 , 13, 525-537	1	17
40	Impact of heavy metal contamination on oxidative stress of <i>Eisenia andrei</i> and bacterial community structure in Tunisian mine soil. <i>Environmental Science and Pollution Research</i> , 2017 , 24, 18083-18095	5.1	16
39	Proteomic analysis in caged Mediterranean crab (<i>Carcinus maenas</i>) and chemical contaminant exposure in TBoulba Harbour, Tunisia. <i>Ecotoxicology and Environmental Safety</i> , 2014 , 100, 15-26	7	15
38	Metals bioaccumulation and histopathological biomarkers in <i>Carcinus maenas</i> crab from Bizerta lagoon, Tunisia. <i>Environmental Science and Pollution Research</i> , 2014 , 21, 4343-57	5.1	15
37	Uptake, accumulation and associated cellular alterations of environmental samples of microplastics in the seaworm <i>Hediste diversicolor</i> . <i>Journal of Hazardous Materials</i> , 2021 , 406, 124287	12.8	14
36	Application of a new targeted low density microarray and conventional biomarkers to evaluate the health status of marine mussels: A field study in Sardinian coast, Italy. <i>Science of the Total Environment</i> , 2018 , 628-629, 319-328	10.2	13
35	Disruption of the zinc metabolism in rat fetal brain after prenatal exposure to cadmium. <i>Chemico-Biological Interactions</i> , 2018 , 286, 88-95	5	13
34	Compared responses to copper and increased temperatures of hybrid and pure offspring of two mussel species. <i>Science of the Total Environment</i> , 2019 , 685, 795-805	10.2	12
33	Zinc accumulation patterns in four <i>Anthyllis vulneraria</i> subspecies supplemented with mineral nitrogen or grown in the presence of their symbiotic bacteria. <i>Plant and Soil</i> , 2013 , 371, 423-434	4.2	12
32	2,4-Dichlorophenoxyacetic acid herbicide effects on zebrafish larvae: development, neurotransmission and behavior as sensitive endpoints. <i>Environmental Science and Pollution Research</i> , 2020 , 27, 3686-3696	5.1	12
31	Early-Life Exposure to Cadmium Triggers Distinct Zn-Dependent Protein Expression Patterns and Impairs Brain Development. <i>Biological Trace Element Research</i> , 2018 , 184, 409-421	4.5	12

30	Involvement of Zn Depletion in Cd-Induced Toxicity on Prenatal Bone Formation in Rat. <i>Biological Trace Element Research</i> , 2017 , 180, 70-80	4.5	11
29	Protective Effects of Dietary Garlic Powder Against Cadmium-induced Toxicity in Sea Bass Liver: a Chemical, Biochemical, and Transcriptomic Approach. <i>Biological Trace Element Research</i> , 2018 , 183, 370-378	4.5	11
28	Assessing the presence of microplastic particles in Tunisian agriculture soils and their potential toxicity effects using <i>Eisenia andrei</i> as bioindicator. <i>Science of the Total Environment</i> , 2021 , 796, 148959	10.2	11
27	Melatonin protects bone against cadmium-induced toxicity via activation of Wnt/ β -catenin signaling pathway. <i>Toxicology Mechanisms and Methods</i> , 2020 , 30, 237-245	3.6	10
26	Effects of fullerene C in blue mussels: Role of mTOR in autophagy related cellular/tissue alterations. <i>Chemosphere</i> , 2020 , 246, 125707	8.4	9
25	Moderate temperature elevation increase susceptibility of early-life stage of the Mediterranean mussel, <i>Mytilus galloprovincialis</i> to metal-induced genotoxicity. <i>Science of the Total Environment</i> , 2019 , 663, 351-360	10.2	8
24	Using environmental proteomics to assess pollutant response of <i>Carcinus maenas</i> along the Tunisian coast. <i>Science of the Total Environment</i> , 2016 , 541, 109-118	10.2	7
23	An integrated approach to determine interactive genotoxic and global gene expression effects of multiwalled carbon nanotubes (MWCNTs) and benzo[a]pyrene (BaP) on marine mussels: evidence of reverse Trojan Horse effects. <i>Nanotoxicology</i> , 2019 , 13, 1324-1343	5.3	6
22	Microplastics in fillets of Mediterranean seafood. A risk assessment study. <i>Environmental Research</i> , 2022 , 204, 112247	7.9	5
21	Molecular mechanisms underlying the effects of temperature increase on <i>Mytilus</i> sp. and their hybrids at early larval stages. <i>Science of the Total Environment</i> , 2020 , 708, 135200	10.2	5
20	Bacterial community profiling of floating plastics from South Mediterranean sites: First evidence of effects on mussels as possible vehicles of transmission. <i>Journal of Hazardous Materials</i> , 2021 , 411, 125079	12.8	5
19	Ecotoxicity of trace elements to chicken <i>GALLUS gallus domesticus</i> exposed to a gradient of polymetallic-polluted sites. <i>Environmental Pollution</i> , 2020 , 265, 114831	9.3	4
18	Influence of nitrate fertilization on Cd uptake and oxidative stress parameters in alfalfa plants cultivated in presence of Cd. <i>Journal of Soil Science and Plant Nutrition</i> , 2014 , 0-0	3.2	4
17	Interactive effects of environmental microplastics and 2,4-dichlorophenoxyacetic acid (2,4-D) on the earthworm <i>Eisenia andrei</i> . <i>Journal of Hazardous Materials</i> , 2021 , 424, 127578	12.8	4
16	Autophagic event and metabolomic disorders unveil cellular toxicity of environmental microplastics on marine polychaete <i>Hediste diversicolor</i> . <i>Environmental Pollution</i> , 2022 , 119106	9.3	4
15	Antagonistic cytoprotective effects of C fullerene nanoparticles in simultaneous exposure to benzo[a]pyrene in a molluscan animal model. <i>Science of the Total Environment</i> , 2021 , 755, 142355	10.2	3
14	Natural distribution of pure and hybrid <i>Mytilus</i> sp. along the south Mediterranean and North-east Atlantic coasts and sensitivity of D-larvae stages to temperature increases and metal pollution. <i>Science of the Total Environment</i> , 2021 , 756, 143675	10.2	3
13	Assessment of Changes on Rhizospheric Soil Microbial Biomass, Enzymes Activities and Bacterial Functional Diversity under Nickel Stress in Presence of Alfalfa Plants. <i>Soil and Sediment Contamination</i> , 2020 , 29, 823-843	3.2	2

12	First evidence on protective effect of exogenous melatonin supplementation against disruption of the estrogenic pathway in bone metabolism of killifish (<i>Aphanius fasciatus</i>). <i>Fish Physiology and Biochemistry</i> , 2020 , 46, 747-757	2.7	2
11	Impact of Intensive Farming on Soil Heavy Metal Accumulation and Biomarkers Responses of Earthworms <i>Eisenia andrei</i> . <i>Bulletin of Environmental Contamination and Toxicology</i> , 2020 , 105, 559-564	2.7	2
10	<i>Enterococcus faecalis</i> and <i>Vibrio harveyi</i> colonize low-density polyethylene and biodegradable plastics under marine conditions. <i>FEMS Microbiology Letters</i> , 2020 , 367,	2.9	2
9	Assessment of heavy metal pollution transfer and human exposure risks from the consumption of chicken grown in mining-surrounding areas. <i>Environmental Science and Pollution Research</i> , 2021 , 1	5.1	2
8	Impact of environmental microplastics alone and mixed with benzo[a]pyrene on cellular and molecular responses of <i>Mytilus galloprovincialis</i> .. <i>Journal of Hazardous Materials</i> , 2022 , 435, 128952	12.8	2
7	Metabolomic disorders unveil hepatotoxicity of environmental microplastics in wild fish <i>Serranus scriba</i> (Linnaeus 1758).. <i>Science of the Total Environment</i> , 2022 , 155872	10.2	2
6	Exposure to microplastics leads to a defective ovarian function and change in cytoskeleton protein expression in rat.. <i>Environmental Science and Pollution Research</i> , 2022 , 1	5.1	1
5	New insights into the possible multiple roles of histidine-rich glycoprotein in blue mussels. <i>Comparative Biochemistry and Physiology - B Biochemistry and Molecular Biology</i> , 2020 , 245, 110440	2.3	1
4	The Effect of Nickel Exposure on Oxidative Stress of <i>Vicia faba</i> Plants.. <i>Bulletin of Environmental Contamination and Toxicology</i> , 2022 , 1	2.7	0
3	Metal contamination and heat stress impair swimming behavior and acetylcholinesterase activity in embryo-larval stages of the Mediterranean mussel, <i>Mytilus galloprovincialis</i> . <i>Marine Environmental Research</i> , 2022 , 105677	3.3	0
2	Short Term Treated Wastewater Reuse Impact on Soil Microbial Biomass, Bacterial Functional Diversity and Enzymatic Activities in the Presence of Earthworms <i>Eisenia andrei</i> . <i>Advances in Science, Technology and Innovation</i> , 2018 , 301-303	0.3	
1	Multifactorial Screening Reveals New Insight into Early Cadmium Exposure and Garlic Interactions in <i>Dicentrarchus labrax</i> . <i>Biological Trace Element Research</i> , 2021 , 199, 4759-4771	4.5	