

Mãrio Pacheco

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/7445506/publications.pdf>

Version: 2024-02-01

149
papers

5,548
citations

61857

43
h-index

102304

66
g-index

154
all docs

154
docs citations

154
times ranked

5305
citing authors

#	ARTICLE	IF	CITATIONS
1	Biotransformation, genotoxic, and histopathological effects of environmental contaminants in European eel (<i>Anguilla anguilla</i> L.). <i>Ecotoxicology and Environmental Safety</i> , 2002, 53, 331-347.	2.9	234
2	Oxidative stress and genotoxic effects in gill and kidney of <i>Anguilla anguilla</i> L. exposed to chromium with or without pre-exposure to β -naphthoflavone. <i>Mutation Research - Genetic Toxicology and Environmental Mutagenesis</i> , 2006, 608, 16-28.	0.9	151
3	Contamination assessment of a coastal lagoon (Ria de Aveiro, Portugal) using defence and damage biochemical indicators in gill of <i>Liza aurata</i> – An integrated biomarker approach. <i>Environmental Pollution</i> , 2009, 157, 959-967.	3.7	135
4	Biotransformation, Endocrine, and Genetic Responses of <i>Anguilla anguilla</i> L. to Petroleum Distillate Products and Environmentally Contaminated Waters. <i>Ecotoxicology and Environmental Safety</i> , 2001, 49, 64-75.	2.9	130
5	Induction of Liver EROD and Erythrocytic Nuclear Abnormalities by Cyclophosphamide and PAHs in <i>Anguilla anguilla</i> L.. <i>Ecotoxicology and Environmental Safety</i> , 1998, 40, 71-76.	2.9	126
6	Insights into the mechanisms underlying mercury-induced oxidative stress in gills of wild fish (<i>Liza</i>) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 Environment, 2016, 548-549, 13-24.	3.9	126
7	Enzymatic and nonenzymatic antioxidants as an adaptation to phagocyte-induced damage in <i>Anguilla anguilla</i> L. following in situ harbor water exposure. <i>Ecotoxicology and Environmental Safety</i> , 2004, 57, 290-302.	2.9	121
8	European eel (<i>Anguilla anguilla</i>) genotoxic and pro-oxidant responses following short-term exposure to Roundup(R)–a glyphosate-based herbicide. <i>Mutagenesis</i> , 2010, 25, 523-530.	1.0	118
9	Unravelling the mechanisms of mercury hepatotoxicity in wild fish (<i>Liza aurata</i>) through a triad approach: bioaccumulation, metabolomic profiles and oxidative stress. <i>Metallomics</i> , 2015, 7, 1352-1363.	1.0	108
10	DNA damage in fish (<i>Anguilla anguilla</i>) exposed to a glyphosate-based herbicide – Elucidation of organ-specificity and the role of oxidative stress. <i>Mutation Research - Genetic Toxicology and Environmental Mutagenesis</i> , 2012, 743, 1-9.	0.9	104
11	Organ specific antioxidant responses in golden grey mullet (<i>Liza aurata</i>) following a short-term exposure to phenanthrene. <i>Science of the Total Environment</i> , 2008, 396, 70-78.	3.9	100
12	Erythrocytic nuclear abnormalities in wild and caged fish (<i>Liza aurata</i>) along an environmental mercury contamination gradient. <i>Ecotoxicology and Environmental Safety</i> , 2008, 70, 411-421.	2.9	99
13	Induction of EROD Activity and Genotoxic Effects by Polycyclic Aromatic Hydrocarbons and Resin Acids on the Juvenile Eel (<i>Anguilla anguilla</i> L.). <i>Ecotoxicology and Environmental Safety</i> , 1997, 38, 252-259.	2.9	98
14	The Comet Assay and its applications in the field of ecotoxicology: a mature tool that continues to expand its perspectives. <i>Frontiers in Genetics</i> , 2015, 6, 180.	1.1	95
15	<i>Anguilla anguilla</i> L. oxidative stress biomarkers responses to copper exposure with or without β -naphthoflavone pre-exposure. <i>Chemosphere</i> , 2005, 61, 267-275.	4.2	90
16	Mercury distribution in key tissues of fish (<i>Liza aurata</i>) inhabiting a contaminated estuary – implications for human and ecosystem health risk assessment. <i>Journal of Environmental Monitoring</i> , 2009, 11, 1004.	2.1	90
17	Inside the Redbox: Applications of haematology in wildlife monitoring and ecosystem health assessment. <i>Science of the Total Environment</i> , 2015, 514, 322-332.	3.9	90
18	Modulation of glutathione and its related enzymes in plants – responses to toxic metals and metalloids – A review. <i>Environmental and Experimental Botany</i> , 2011, 75, 307-307.	2.0	84

#	ARTICLE	IF	CITATIONS
19	Anguilla anguilla L. oxidative stress biomarkers: An in situ study of freshwater wetland ecosystem (Pateira de Fermentelos, Portugal). Chemosphere, 2006, 65, 952-962.	4.2	83
20	Differential genotoxicity of Roundup® formulation and its constituents in blood cells of fish (Anguilla anguilla): considerations on chemical interactions and DNA damaging mechanisms. Ecotoxicology, 2012, 21, 1381-1390.	1.1	82
21	Advances in understanding the mechanisms of mercury toxicity in wild golden grey mullet (Liza) Tj ETQq1 1 0.784314 rgBT /Overlock 3.7 80	3.7	80
22	Antioxidant and biotransformation responses in Liza aurata under environmental mercury exposure – Relationship with mercury accumulation and implications for public health. Marine Pollution Bulletin, 2008, 56, 845-859.	2.3	79
23	Anguilla anguilla L. liver ethoxyresorufin O-deethylation, glutathione S-transferase, erythrocytic nuclear abnormalities, and endocrine responses to naphthalene and 12-naphthoflavone. Ecotoxicology and Environmental Safety, 2003, 55, 98-107.	2.9	77
24	Juvenile sea bass biotransformation, genotoxic and endocrine responses to 12-naphthoflavone, 4-nonylphenol and 172-estradiol individual and combined exposures. Chemosphere, 2004, 57, 147-158.	4.2	76
25	Cytochrome P4501A, genotoxic and stress responses in golden grey mullet (Liza aurata) following short-term exposure to phenanthrene. Chemosphere, 2007, 66, 1284-1291.	4.2	70
26	Combined use of environmental data and biomarkers in fish (Liza aurata) inhabiting a eutrophic and metal-contaminated coastal system – Gills reflect environmental contamination. Marine Environmental Research, 2010, 69, 53-62.	1.1	70
27	Glutathione protects heavy metal-induced inhibition of hepatic microsomal ethoxyresorufin O-deethylase activity in Dicentrarchus labrax L.. Ecotoxicology and Environmental Safety, 2004, 58, 379-385.	2.9	65
28	Anguilla anguilla L. Stress Biomarkers Recovery in Clean Water and Secondary-Treated Pulp Mill Effluent. Ecotoxicology and Environmental Safety, 1996, 35, 96-100.	2.9	61
29	Biotransformation and Genotoxic Biomarkers in Mullet Species (LIZA SP.) From a Contaminated Coastal Lagoon (Ria De Aveiro, Portugal). Environmental Monitoring and Assessment, 2005, 107, 133-153.	1.3	60
30	European eel (Anguilla anguilla L.) metallothionein, endocrine, metabolic and genotoxic responses to copper exposure. Ecotoxicology and Environmental Safety, 2008, 70, 20-26.	2.9	60
31	Anguilla anguilla L. antioxidants responses to in situ bleached kraft pulp mill effluent outlet exposure. Environment International, 2004, 30, 301-308.	4.8	58
32	Biochemical responses of the shore crab (Carcinus maenas) in a eutrophic and metal-contaminated coastal system (Ábidos lagoon, Portugal). Ecotoxicology and Environmental Safety, 2009, 72, 1471-1480.	2.9	57
33	Biochemical and Genotoxic Responses of Adult Eel (Anguilla anguilla L.) to Resin Acids and Pulp Mill Effluent: Laboratory and Field Experiments. Ecotoxicology and Environmental Safety, 1999, 42, 81-93.	2.9	56
34	Brain as a critical target of mercury in environmentally exposed fish (Dicentrarchus) Tj ETQq0 0 0 rgBT /Overlock 1.9 50 142 54 (labrax)	1.9	54
35	Sparus aurata L. liver EROD and GST activities, plasma cortisol, lactate, glucose and erythrocytic nuclear anomalies following short-term exposure either to 172-estradiol (E2) or E2 combined with 4-nonylphenol. Science of the Total Environment, 2005, 336, 57-69.	3.9	53
36	Caenorhabditis elegans as a tool for environmental risk assessment: emerging and promising applications for a “enobalized worm”. Critical Reviews in Toxicology, 2019, 49, 411-429.	1.9	53

#	ARTICLE	IF	CITATIONS
37	Antioxidant system breakdown in brain of feral golden grey mullet (<i>Liza aurata</i>) as an effect of mercury exposure. <i>Ecotoxicology</i> , 2010, 19, 1034-1045.	1.1	52
38	Lipid peroxidation vs. antioxidant modulation in the bivalve <i>Scrobicularia plana</i> in response to environmental mercury—Organ specificities and age effect. <i>Aquatic Toxicology</i> , 2011, 103, 150-158.	1.9	51
39	Metallothioneins failed to reflect mercury external levels of exposure and bioaccumulation in marine fish — Considerations on tissue and species specific responses. <i>Chemosphere</i> , 2011, 85, 114-121.	4.2	51
40	Inorganic mercury accumulation in brain following waterborne exposure elicits a deficit on the number of brain cells and impairs swimming behavior in fish (white seabream— <i>Diplodus sargus</i>). <i>Aquatic Toxicology</i> , 2016, 170, 400-412.	1.9	50
41	An effective and potentially safe blood disinfection protocol using tetrapyrrolic photosensitizers. <i>Future Medicinal Chemistry</i> , 2017, 9, 365-379.	1.1	50
42	Physiological and genetic responses of European eel (<i>Anguilla anguilla</i> L.) to short-term chromium or copper exposure? Influence of preexposure to a PAH-like compound. <i>Environmental Toxicology</i> , 2005, 20, 92-99.	2.1	48
43	Naphthalene and 1 ^β -naphthoflavone effects on <i>Anguilla anguilla</i> L. hepatic metabolism and erythrocytic nuclear abnormalities. <i>Environment International</i> , 2002, 28, 285-293.	4.8	44
44	Wild juvenile <i>Dicentrarchus labrax</i> L. liver antioxidant and damage responses at Aveiro Lagoon, Portugal. <i>Ecotoxicology and Environmental Safety</i> , 2009, 72, 1861-1870.	2.9	44
45	DNA and chromosomal damage induced in fish (<i>Anguilla anguilla</i> L.) by aminomethylphosphonic acid (AMPA)—the major environmental breakdown product of glyphosate. <i>Environmental Science and Pollution Research</i> , 2014, 21, 8730-8739.	2.7	44
46	DNA damage and lipid peroxidation vs. protection responses in the gill of <i>Dicentrarchus labrax</i> L. from a contaminated coastal lagoon (Ria de Aveiro, Portugal). <i>Science of the Total Environment</i> , 2008, 406, 298-307.	3.9	42
47	Impact of Seasonal Fluctuations on the Sediment-Mercury, its Accumulation and Partitioning in <i>Halimione portulacoides</i> and <i>Juncus maritimus</i> Collected from Ria de Aveiro Coastal Lagoon (Portugal). <i>Water, Air, and Soil Pollution</i> , 2011, 222, 1-15.	1.1	41
48	Biotransformation, stress and genotoxic effects of 17 β -estradiol in juvenile sea bass (<i>Dicentrarchus</i>) Tj ETQqO 0 0 rgBT /Overlock 10 Tf 5	4.8	38
49	Metal accumulation and oxidative stress in <i>Ulva</i> sp. substantiated by response integration into a general stress index. <i>Aquatic Toxicology</i> , 2009, 91, 336-345.	1.9	38
50	Naphthalene-induced differential tissue damage association with circulating fish phagocyte induction. <i>Ecotoxicology and Environmental Safety</i> , 2003, 54, 7-15.	2.9	36
51	Endocrine and metabolic changes in <i>Anguilla anguilla</i> L. following exposure to 1 ^β -naphthoflavone—a microsomal enzyme inducer. <i>Environment International</i> , 2005, 31, 99-104.	4.8	36
52	Evaluation of oxidative DNA lesions in plasma and nuclear abnormalities in erythrocytes of wild fish (<i>Liza aurata</i>) as an integrated approach to genotoxicity assessment. <i>Mutation Research - Genetic Toxicology and Environmental Mutagenesis</i> , 2010, 703, 83-89.	0.9	36
53	A multidimensional concept for mercury neuronal and sensory toxicity in fish - From toxicokinetics and biochemistry to morphometry and behavior. <i>Biochimica Et Biophysica Acta - General Subjects</i> , 2019, 1863, 129298.	1.1	36
54	<i>Nucella lapillus</i> L. imposex levels after legislation prohibiting TBT antifoulants: temporal trends from 2003 to 2008 along the Portuguese coast. <i>Journal of Environmental Monitoring</i> , 2011, 13, 304-312.	2.1	33

#	ARTICLE	IF	CITATIONS
55	Fish eyes and brain as primary targets for mercury accumulation – A new insight on environmental risk assessment. <i>Science of the Total Environment</i> , 2014, 494-495, 290-298.	3.9	33
56	Hepatic metallothionein concentrations in the golden grey mullet (<i>Liza aurata</i>) – Relationship with environmental metal concentrations in a metal-contaminated coastal system in Portugal. <i>Marine Environmental Research</i> , 2010, 69, 227-233.	1.1	32
57	Propensity to metal accumulation and oxidative stress responses of two benthic species (<i>Cerastoderma edule</i> and <i>Nephtys hombergii</i>): are tolerance processes limiting their responsiveness?. <i>Ecotoxicology</i> , 2016, 25, 664-676.	1.1	32
58	Progression of DNA damage induced by a glyphosate-based herbicide in fish (<i>Anguilla anguilla</i>) upon exposure and post-exposure periods – Insights into the mechanisms of genotoxicity and DNA repair. <i>Comparative Biochemistry and Physiology Part - C: Toxicology and Pharmacology</i> , 2014, 166, 126-133.	1.3	31
59	Are DNA-damaging effects induced by herbicide formulations (Roundup® and Carlon®) in fish transient and reversible upon cessation of exposure?. <i>Aquatic Toxicology</i> , 2014, 155, 213-221.	1.9	31
60	Monitoring pollution of coastal lagoon using <i>Liza aurata</i> kidney oxidative stress and genetic endpoints: an integrated biomarker approach. <i>Ecotoxicology</i> , 2010, 19, 643-653.	1.1	30
61	Fish and mercury: Influence of fish fillet culinary practices on human risk. <i>Food Control</i> , 2016, 60, 575-581.	2.8	30
62	Imposex levels and tributyltin pollution in Ria de Aveiro (NW Portugal) between 1997 and 2007: evaluation of legislation effectiveness. <i>Journal of Environmental Monitoring</i> , 2009, 11, 1405.	2.1	29
63	Biotransformation modulation and genotoxicity in white seabream upon exposure to paralytic shellfish toxins produced by <i>Gymnodinium catenatum</i> . <i>Aquatic Toxicology</i> , 2012, 106-107, 42-47.	1.9	29
64	Combined effects of warming and acidification on accumulation and elimination dynamics of paralytic shellfish toxins in mussels <i>Mytilus galloprovincialis</i> . <i>Environmental Research</i> , 2018, 164, 647-654.	3.7	29
65	The relevance of temporal and organ specific factors on metals accumulation and biochemical effects in feral fish (<i>Liza aurata</i>) under a moderate contamination scenario. <i>Ecotoxicology and Environmental Safety</i> , 2010, 73, 805-816.	2.9	28
66	Fish thyroidal and stress responses in contamination monitoring – An integrated biomarker approach. <i>Ecotoxicology and Environmental Safety</i> , 2011, 74, 1265-1270.	2.9	28
67	Responses of European eel (<i>Anguilla anguilla</i> L.) in two polluted environments: in situ experiments. <i>Ecotoxicology and Environmental Safety</i> , 2004, 58, 373-378.	2.9	27
68	<i>Anguilla anguilla</i> L. plasma cortisol, lactate and glucose responses to abietic acid, dehydroabietic acid and retene. <i>Environment International</i> , 2004, 29, 995-1000.	4.8	27
69	Evaluation of DNA Damage Induced by Environmental Exposure to Mercury in <i>Liza aurata</i> Using the Comet Assay. <i>Archives of Environmental Contamination and Toxicology</i> , 2010, 58, 112-122.	2.1	27
70	A new page on the road book of inorganic mercury in fish body – tissue distribution and elimination following waterborne exposure and post-exposure periods. <i>Metallomics</i> , 2015, 7, 525-535.	1.0	27
71	Endocrine and metabolic responses of <i>Anguilla anguilla</i> L. caged in a freshwater – wetland (Pateira de Tj ETQq1 1 0,784314 rgBT / Over	3.9	26
72	Mutagenicity of cyclophosphamide and kraft mill effluent and sediment on the eel <i>Anguilla anguilla</i> L. <i>Science of the Total Environment</i> , 1995, 171, 127-130.	3.9	25

#	ARTICLE	IF	CITATIONS
73	Salt marsh macrophyte <i>Phragmites australis</i> strategies assessment for its dominance in mercury-contaminated coastal lagoon (Ria de Aveiro, Portugal). <i>Environmental Science and Pollution Research</i> , 2012, 19, 2879-2888.	2.7	25
74	<i>Eriophorum angustifolium</i> and <i>Lolium perenne</i> metabolic adaptations to metals- and metalloids-induced anomalies in the vicinity of a chemical industrial complex. <i>Environmental Science and Pollution Research</i> , 2013, 20, 568-581.	2.7	25
75	Tissue distribution and temperature-dependence of <i>Anguilla anguilla</i> L. EROD activity following exposure to model inducers and relationship with plasma cortisol, lactate and glucose levels. <i>Environment International</i> , 2001, 26, 149-155.	4.8	24
76	Complete and partial replacement of <i>Artemia nauplii</i> by <i>Moina micrura</i> during early postlarval culture of white shrimp (<i>Litopenaeus schmitti</i>). <i>Aquaculture Nutrition</i> , 2006, 12, 89-96.	1.1	23
77	Antioxidant Responses Versus DNA Damage and Lipid Peroxidation in Golden Grey Mullet Liver: A Field Study at Ria de Aveiro (Portugal). <i>Archives of Environmental Contamination and Toxicology</i> , 2010, 59, 454-463.	2.1	23
78	Mercury Organotropism in Feral European Sea Bass (<i>Dicentrarchus labrax</i>). <i>Archives of Environmental Contamination and Toxicology</i> , 2011, 61, 135-143.	2.1	23
79	Role of non-enzymatic antioxidants on the bivalves' adaptation to environmental mercury: Organ-specificities and age effect in <i>Scrobicularia plana</i> inhabiting a contaminated lagoon. <i>Environmental Pollution</i> , 2012, 163, 218-225.	3.7	23
80	Evaluation of Species-Specific Dissimilarities in Two Marine Fish Species: Mercury Accumulation as a Function of Metal Levels in Consumed Prey. <i>Archives of Environmental Contamination and Toxicology</i> , 2012, 63, 125-136.	2.1	22
81	Anchoring novel molecular biomarker responses to traditional responses in fish exposed to environmental contamination. <i>Environmental Pollution</i> , 2010, 158, 1783-1790.	3.7	21
82	Factors affecting RPSI in imposex monitoring studies using <i>Nucella lapillus</i> (L.) as bioindicator. <i>Journal of Environmental Monitoring</i> , 2010, 12, 1055.	2.1	21
83	<i>Hydrobia ulvae</i> imposex levels at Ria de Aveiro (NW Portugal) between 1998 and 2007: a counter-current bioindicator?. <i>Journal of Environmental Monitoring</i> , 2010, 12, 500-507.	2.1	21
84	Mercury contaminated systems under recovery can represent an increased risk to seafood human consumers – A paradox depicted in bivalves' body burdens. <i>Food Chemistry</i> , 2012, 133, 665-670.	4.2	21
85	Assessment of chromosomal damage induced by a deltamethrin-based insecticide in fish (<i>Anguilla</i>) Tj ETQq1 1 0.784314 rgBT /Overload Physiology, 2014, 113, 40-46.	1.6	21
86	Unveiling the neurotoxicity of methylmercury in fish (<i>Diplodus sargus</i>) through a regional morphometric analysis of brain and swimming behavior assessment. <i>Aquatic Toxicology</i> , 2016, 180, 320-333.	1.9	21
87	Short-term effects of increased temperature and lowered pH on a temperate grazer-seaweed interaction (<i>Littorina obtusata</i> / <i>Ascophyllum nodosum</i>). <i>Estuarine, Coastal and Shelf Science</i> , 2017, 197, 35-44.	0.9	21
88	Responses of European eel (<i>Anguilla anguilla</i> L.) circulating phagocytes to an in situ closed pulp mill effluent exposure and its association with organ-specific peroxidative damage. <i>Chemosphere</i> , 2006, 63, 794-801.	4.2	20
89	Immunosuppression in the infaunal bivalve <i>Scrobicularia plana</i> environmentally exposed to mercury and association with its accumulation. <i>Chemosphere</i> , 2011, 82, 1541-1546.	4.2	20
90	Oxidative stress profiles in brain point out a higher susceptibility of fish to waterborne divalent mercury compared to dietary organic mercury. <i>Marine Pollution Bulletin</i> , 2017, 122, 110-121.	2.3	20

#	ARTICLE	IF	CITATIONS
91	Metal bioaccumulation and oxidative stress profiles in <i>Ruditapes philippinarum</i> – insights towards its suitability as bioindicator of estuarine metal contamination. <i>Ecological Indicators</i> , 2018, 95, 1087-1099.	2.6	20
92	Juvenile sea bass (<i>Dicentrarchus labrax</i> L.) enzymatic and non-enzymatic antioxidant responses following 17 β -estradiol exposure. <i>Ecotoxicology</i> , 2009, 18, 974-982.	1.1	19
93	Phytoplankton community-level bio-optical assessment in a naturally mercury contaminated Antarctic ecosystem (Deception Island). <i>Marine Environmental Research</i> , 2018, 140, 412-421.	1.1	19
94	Mild Effects of Sunscreen Agents on a Marine Flatfish: Oxidative Stress, Energetic Profiles, Neurotoxicity and Behaviour in Response to Titanium Dioxide Nanoparticles and Oxybenzone. <i>International Journal of Molecular Sciences</i> , 2021, 22, 1567.	1.8	19
95	Mercury accumulation patterns and biochemical endpoints in wild fish (<i>Liza aurata</i>): A multi-organ approach. <i>Ecotoxicology and Environmental Safety</i> , 2011, 74, 2225-2232.	2.9	18
96	Fish consumption and risk of contamination by mercury – Considerations on the definition of edible parts based on the case study of European sea bass. <i>Marine Pollution Bulletin</i> , 2011, 62, 2850-2853.	2.3	17
97	Genotoxicity evaluation of the herbicide Garlon [®] and its active ingredient (triclopyr) in fish (<i>Anguilla anguilla</i> L.) using the comet assay. <i>Environmental Toxicology</i> , 2015, 30, 1073-1081.	2.1	17
98	Transcript profiling and DNA damage in the European eel (<i>Anguilla anguilla</i> L.) exposed to 7,12-dimethylbenz[a]anthracene. <i>Aquatic Toxicology</i> , 2009, 94, 123-130.	1.9	16
99	Bioaccumulation and biochemical markers in feral crab (<i>Carcinus maenas</i>) exposed to moderate environmental contamination – The impact of non-contamination-related variables. <i>Environmental Toxicology</i> , 2011, 26, 524-540.	2.1	16
100	Evidences of DNA and chromosomal damage induced by the mancozeb-based fungicide Mancozan [®] in fish (<i>Anguilla anguilla</i> L.). <i>Pesticide Biochemistry and Physiology</i> , 2016, 133, 52-58.	1.6	16
101	DNA damage and oxidative stress responses of mussels <i>Mytilus galloprovincialis</i> to paralytic shellfish toxins under warming and acidification conditions – Elucidation on the organ-specificity. <i>Aquatic Toxicology</i> , 2020, 228, 105619.	1.9	16
102	The ecotoxicological relevance of <i>Anguilla anguilla</i> L. as a proposed cytogenetic model for brackish-water genetic toxicological studies. <i>Science of the Total Environment</i> , 1993, 134, 817-822.	3.9	15
103	Mercury accumulation and tissue-specific antioxidant efficiency in the wild European sea bass (<i>Dicentrarchus labrax</i>) with emphasis on seasonality. <i>Environmental Science and Pollution Research</i> , 2014, 21, 10638-10651.	2.7	15
104	DNA of crayfish spermatozoa as a target of waterborne pesticides – An ex vivo approach as a tool to short-term spermiotoxicity screening. <i>Journal of Hazardous Materials</i> , 2020, 400, 123300.	6.5	15
105	Golden grey mullet and sea bass oxidative DNA damage and clastogenic/aneugenic responses in a contaminated coastal lagoon. <i>Ecotoxicology and Environmental Safety</i> , 2010, 73, 1907-1913.	2.9	14
106	Daily availability of nutrients and metals in a eutrophic meso-tidal coastal lagoon (Ábidos lagoon, Tj ETQq0 0 0 rgBT ₁ /Overlock 10 Tf 50	2.3	13
107	Environmental quality assessment combining sediment metal levels, biomarkers and macrobenthic communities: application to the Ábidos coastal lagoon (Portugal). <i>Environmental Monitoring and Assessment</i> , 2012, 184, 7141-7151.	1.3	13
108	Looking at the aquatic contamination through fish eyes – A faithful picture based on metals burden. <i>Marine Pollution Bulletin</i> , 2013, 77, 375-379.	2.3	13

#	ARTICLE	IF	CITATIONS
109	Insights into neurosensory toxicity of mercury in fish eyes stemming from tissue burdens, oxidative stress and synaptic transmission profiles. <i>Marine Environmental Research</i> , 2016, 113, 70-79.	1.1	13
110	Mercury-Induced Chromosomal Damage in Wild Fish (<i>Dicentrarchus labrax</i> L.) Reflecting Aquatic Contamination in Contrasting Seasons. <i>Archives of Environmental Contamination and Toxicology</i> , 2012, 63, 554-562.	2.1	12
111	Addressing the impact of mercury estuarine contamination in the European eel (<i>Anguilla anguilla</i> L.). <i>Tj ETQq1 1 0.784314 rgBT /Overlock</i> Pollution Bulletin, 2018, 127, 733-742.	2.3	12
112	Dietary Supplementation with the Red Seaweed <i>Porphyra umbilicalis</i> Protects against DNA Damage and Pre-Malignant Dysplastic Skin Lesions in HPV-Transgenic Mice. <i>Marine Drugs</i> , 2019, 17, 615.	2.2	12
113	Ozonated seawater induces genotoxicity and hematological alterations in turbot (<i>Scophthalmus</i>) <i>Tj ETQq1 1 0.784314 rgBT /Overlock</i> 318, 180-184.	1.7	11
114	Advances on assessing nanotoxicity in marine fish – the pros and cons of combining an ex vivo approach and histopathological analysis in gills. <i>Aquatic Toxicology</i> , 2019, 217, 105322.	1.9	11
115	Organ-Specific Metabolome Deciphering Cell Pathways to Cope with Mercury in Wild Fish (Golden) <i>Tj ETQq1 1 0.784314 rgBT /Overlock</i>	1.0	11
116	EPR detection of paramagnetic chromium in liver of fish (<i>Anguilla anguilla</i>) treated with dichromate(VI) and associated oxidative stress responses – Contribution to elucidation of toxicity mechanisms. <i>Comparative Biochemistry and Physiology Part - C: Toxicology and Pharmacology</i> , 2013, 157, 132-140.	1.3	10
117	Trace elements in two marine fish species during estuarine residency: Non-essential versus essential. <i>Marine Pollution Bulletin</i> , 2012, 64, 2844-2848.	2.3	9
118	Red seaweeds <i>Porphyra umbilicalis</i> and <i>Grateloupia turuturu</i> display antigenotoxic and longevity-promoting potential in <i>Drosophila melanogaster</i> . <i>European Journal of Phycology</i> , 2019, 54, 519-530.	0.9	9
119	Marine macroalgae as a dietary source of genoprotection in gilthead seabream (<i>Sparus aurata</i>) against endogenous and exogenous challenges. <i>Comparative Biochemistry and Physiology Part - C: Toxicology and Pharmacology</i> , 2019, 219, 12-24.	1.3	9
120	Study of recovery after short-term exposure to kraft mill effluents of <i>Anguilla Anguilla</i> L.. <i>Science of the Total Environment</i> , 1993, 134, 1173-1178.	3.9	8
121	<i>Anguilla anguilla</i> L. Genotoxic responses after in situ exposure to freshwater wetland (Pateira de) <i>Tj ETQq1 1 0.784314 rgBT /Overlock</i>	4.8	8
122	Seasonal <i>Liza aurata</i> tissue-specific DNA integrity in a multi-contaminated coastal lagoon (Ria de) <i>Tj ETQq0 0 0 rgBT /Overlock</i> 10 Tf 50	2.3	8
123	Hydroxybenzoate paralytic shellfish toxins induce transient GST activity depletion and chromosomal damage in white seabream (<i>Diplodus sargus</i>). <i>Marine Environmental Research</i> , 2012, 79, 63-69.	1.1	8
124	The sub-cellular fate of mercury in the liver of wild mullets (<i>Liza aurata</i>) – Contribution to the understanding of metal-induced cellular toxicity. <i>Marine Pollution Bulletin</i> , 2015, 95, 412-418.	2.3	8
125	Searching for antigenotoxic properties of marine macroalgae dietary supplementation against endogenous and exogenous challenges. <i>Journal of Toxicology and Environmental Health - Part A: Current Issues</i> , 2018, 81, 939-956.	1.1	8
126	The role of contamination history and gender on the genotoxic responses of the crayfish <i>Procambarus clarkii</i> to a penoxsulam-based herbicide. <i>Ecotoxicology</i> , 2018, 27, 908-918.	1.1	8

#	ARTICLE	IF	CITATIONS
127	Native (<i>Ruditapes decussatus</i>) and non-indigenous (<i>R. philippinarum</i>) shellfish species living in sympatry: Comparison of regulated and non-regulated biotoxins accumulation. <i>Marine Environmental Research</i> , 2017, 129, 147-155.	1.1	7
128	Brain morphometric profiles and their seasonal modulation in fish (<i>Liza aurata</i>) inhabiting a mercury contaminated estuary. <i>Environmental Pollution</i> , 2018, 237, 318-328.	3.7	7
129	Hg and Se composition in demersal deep-sea fish from the North-East Atlantic. <i>Environmental Science and Pollution Research</i> , 2020, 27, 33649-33657.	2.7	7
130	Metal accumulation and oxidative stress responses in <i>Ulva</i> spp. in the presence of nocturnal pulses of metals from sediment: A field transplantation experiment under eutrophic conditions. <i>Marine Environmental Research</i> , 2014, 94, 56-64.	1.1	6
131	Macroalgae-enriched diet protects gilthead seabream (<i>Sparus aurata</i>) against erythrocyte population instability and chromosomal damage induced by aqua-medicines. <i>Journal of Applied Phycology</i> , 2020, 32, 1477-1493.	1.5	6
132	Invasive clams (<i>Ruditapes philippinarum</i>) are better equipped to deal with harmful algal blooms toxins than native species (<i>R. decussatus</i>): evidence of species-specific toxicokinetics and DNA vulnerability. <i>Science of the Total Environment</i> , 2021, 767, 144887.	3.9	6
133	Secondary Metabolites from Marine Sources with Potential Use as Leads for Anticancer Applications. <i>Molecules</i> , 2021, 26, 4292.	1.7	6
134	Modulatory role of copper on 12-naphthoflavone-induced DNA damage in European eel (<i>Anguilla</i>)	2.9	5
135	Red seaweeds strengthening the nexus between nutrition and health: phytochemical characterization and bioactive properties of <i>Grateloupia turuturu</i> and <i>Porphyra umbilicalis</i> extracts. <i>Journal of Applied Phycology</i> , 2021, 33, 3365-3381.	1.5	5
136	Mercury's mitochondrial targeting with increasing age in <i>Scrobicularia plana</i> inhabiting a contaminated lagoon: Damage-protection dichotomy and organ specificities. <i>Chemosphere</i> , 2013, 92, 1231-1237.	4.2	4
137	Comparative genoprotection ability of wild-harvested vs. aqua-cultured <i>Ulva rigida</i> coupled with phytochemical profiling. <i>European Journal of Phycology</i> , 2021, 56, 105-118.	0.9	4
138	Intergenerational Patterns of DNA Methylation in <i>Procambarus clarkii</i> Following Exposure to Genotoxicants: A Conjugation in Past Simple or Past Continuous?. <i>Toxics</i> , 2021, 9, 271.	1.6	4
139	Metals(oids) targeting fish eyes and brain in a contaminated estuary - Uncovering neurosensory (un)susceptibility through bioaccumulation, antioxidant and morphometric profiles. <i>Marine Environmental Research</i> , 2018, 140, 403-411.	1.1	3
140	DNA and chromosomal damage in Senegalese sole (<i>Solea senegalensis</i>) as side effects of ozone-based water treatment - Contribution to optimization of fish-farming practices. <i>Comparative Biochemistry and Physiology Part - C: Toxicology and Pharmacology</i> , 2019, 219, 68-76.	1.3	3
141	<i>Nucella lapillus</i> ecotypes at the southern distributional limit in Europe: variation in shell morphology is not correlated with chromosome counts on the Portuguese Atlantic coast. <i>Journal of Molluscan Studies</i> , 2012, 78, 147-150.	0.4	2
142	Effects of Benzo[a]pyrene, Cortisol, and 17 β -Estradiol on Liver Microsomal EROD Activity of <i>Anguilla anguilla</i> : An In Vitro Approach. <i>Applied Sciences (Switzerland)</i> , 2021, 11, 2533.	1.3	2
143	Environmental chemical data and <i>Carcinus maenas</i> biochemical responses in a coastal eutrophic ecosystem (Aldos Lagoon, Portugal). <i>Ciencias Marinas</i> , 2008, 34, 317-327.	0.4	2
144	Ex vivo exposure to titanium dioxide and silver nanoparticles mildly affect sperm of gilthead seabream (<i>Sparus aurata</i>) - A multiparameter spermotoxicity approach. <i>Marine Pollution Bulletin</i> , 2022, 177, 113487.	2.3	2

#	ARTICLE	IF	CITATIONS
145	Morphological, compositional and ultrastructural changes in the <i>Scrobicularia plana</i> shell in response to environmental mercury – An indelible fingerprint of metal exposure?. <i>Chemosphere</i> , 2013, 90, 2697-2704.	4.2	1
146	Genoprotection and metabolic benefits of marine macroalgae - Insights into the concept of functional foods through direct and indirect consumption. <i>Food Bioscience</i> , 2022, 47, 101649.	2.0	1
147	The Red Seaweed <i>Grateloupia turuturu</i> Prevents Epidermal Dysplasia in HPV16-Transgenic Mice. <i>Nutrients</i> , 2021, 13, 4529.	1.7	1
148	Elemental mapping inventory of the fish <i>Liza aurata</i> brain: a biomarker of metal pollution vulnerability. <i>Metallomics</i> , 2015, 7, 277-282.	1.0	0
149	Steroid Hormones Protect against Fluoranthene Ethoxyresorufin-O-Deethylase (EROD) Activity Inhibition. <i>Applied Sciences (Switzerland)</i> , 2022, 12, 3098.	1.3	0