

Mrio Pacheco

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148
papers

4,617
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154
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ext. citations

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avg, IF

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L-index

#	Paper	IF	Citations
148	Biotransformation, genotoxic, and histopathological effects of environmental contaminants in European eel (<i>Anguilla anguilla</i> L.). <i>Ecotoxicology and Environmental Safety</i> , 2002 , 53, 331-47	7	188
147	Oxidative stress and genotoxic effects in gill and kidney of <i>Anguilla anguilla</i> L. exposed to chromium with or without pre-exposure to beta-naphthoflavone. <i>Mutation Research - Genetic Toxicology and Environmental Mutagenesis</i> , 2006 , 608, 16-28	3	134
146	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, 959-67	9.3	124
145	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, 71-6	7	118
144	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	7	109
143	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	7	108
142	Insights into the mechanisms underlying mercury-induced oxidative stress in gills of wild fish (<i>Liza aurata</i>) combining (1)H NMR metabolomics and conventional biochemical assays. <i>Science of the Total Environment</i> , 2016 , 548-549, 13-24	10.2	103
141	European eel (<i>Anguilla anguilla</i>) genotoxic and pro-oxidant responses following short-term exposure to Roundup--a glyphosate-based herbicide. <i>Mutagenesis</i> , 2010 , 25, 523-30	2.8	100
140	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, 1352-63	4.5	96
139	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, 70-8	10.2	89
138	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	3	88
137	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, 252-9	7	88
136	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, 1004-12		82
135	<i>Anguilla anguilla</i> L. oxidative stress biomarkers responses to copper exposure with or without beta-naphthoflavone pre-exposure. <i>Chemosphere</i> , 2005 , 61, 267-75	8.4	81
134	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, 411-21	7	80
133	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	4.5	74
132	Antioxidant and biotransformation responses in <i>Liza aurata</i> under environmental mercury exposure - relationship with mercury accumulation and implications for public health. <i>Marine Pollution Bulletin</i> , 2008 , 56, 845-59	6.7	74

131	Advances in understanding the mechanisms of mercury toxicity in wild golden grey mullet (<i>Liza aurata</i>) by H NMR-based metabolomics. <i>Environmental Pollution</i> , 2016 , 219, 139-148	9.3	72
130	Differential genotoxicity of Roundup(®) formulation and its constituents in blood cells of fish (<i>Anguilla anguilla</i>): considerations on chemical interactions and DNA damaging mechanisms. <i>Ecotoxicology</i> , 2012 , 21, 1381-90	2.9	71
129	<i>Anguilla anguilla</i> L. oxidative stress biomarkers: an in situ study of freshwater wetland ecosystem (Pateira de Fermentelos, Portugal). <i>Chemosphere</i> , 2006 , 65, 952-62	8.4	70
128	<i>Anguilla anguilla</i> L. liver ethoxyresorufin O-deethylation, glutathione S-transferase, erythrocytic nuclear abnormalities, and endocrine responses to naphthalene and beta-naphthoflavone. <i>Ecotoxicology and Environmental Safety</i> , 2003 , 55, 98-107	7	68
127	Juvenile sea bass biotransformation, genotoxic and endocrine responses to beta-naphthoflavone, 4-nonylphenol and 17 beta-estradiol individual and combined exposures. <i>Chemosphere</i> , 2004 , 57, 147-58	8.4	63
126	Inside the Redbox: applications of haematology in wildlife monitoring and ecosystem health assessment. <i>Science of the Total Environment</i> , 2015 , 514, 322-32	10.2	62
125	Cytochrome P4501A, genotoxic and stress responses in golden grey mullet (<i>Liza aurata</i>) following short-term exposure to phenanthrene. <i>Chemosphere</i> , 2007 , 66, 1284-91	8.4	61
124	Glutathione protects heavy metal-induced inhibition of hepatic microsomal ethoxyresorufin O-deethylase activity in <i>Dicentrarchus labrax</i> L. <i>Ecotoxicology and Environmental Safety</i> , 2004 , 58, 379-85	7	60
123	Combined use of environmental data and biomarkers in fish (<i>Liza aurata</i>) inhabiting a eutrophic and metal-contaminated coastal system - Gills reflect environmental contamination. <i>Marine Environmental Research</i> , 2010 , 69, 53-62	3.3	59
122	Biochemical responses of the shore crab (<i>Carcinus maenas</i>) in a eutrophic and metal-contaminated coastal system (Obidos lagoon, Portugal). <i>Ecotoxicology and Environmental Safety</i> , 2009 , 72, 1471-80	7	53
121	<i>Anguilla anguilla</i> L. antioxidants responses to in situ bleached kraft pulp mill effluent outlet exposure. <i>Environment International</i> , 2004 , 30, 301-8	12.9	53
120	Biotransformation and genotoxic biomarkers in mullet species (<i>Liza</i> sp.) from a contaminated coastal lagoon (Ria de Aveiro, Portugal). <i>Environmental Monitoring and Assessment</i> , 2005 , 107, 133-53	3.1	53
119	<i>Anguilla anguilla</i> L. stress biomarkers recovery in clean water and secondary-treated pulp mill effluent. <i>Ecotoxicology and Environmental Safety</i> , 1996 , 35, 96-100	7	52
118	<i>Sparus aurata</i> L. liver EROD and GST activities, plasma cortisol, lactate, glucose and erythrocytic nuclear anomalies following short-term exposure either to 17beta-estradiol (E2) or E2 combined with 4-nonylphenol. <i>Science of the Total Environment</i> , 2005 , 336, 57-69	10.2	51
117	Biochemical and genotoxic responses of adult eel (<i>Anguilla anguilla</i> L.) to resin acids and pulp mill effluent: laboratory and field experiments. <i>Ecotoxicology and Environmental Safety</i> , 1999 , 42, 81-93	7	51
116	European eel (<i>Anguilla anguilla</i> L.) metallothionein, endocrine, metabolic and genotoxic responses to copper exposure. <i>Ecotoxicology and Environmental Safety</i> , 2008 , 70, 20-6	7	49
115	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, 150-8	5.1	48
114	Brain as a critical target of mercury in environmentally exposed fish (<i>Dicentrarchus labrax</i>)--bioaccumulation and oxidative stress profiles. <i>Aquatic Toxicology</i> , 2011 , 103, 233-40	5.1	46

113	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, 1034-45	2.9	44
112	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	5.9	43
111	Naphthalene and beta-naphthoflavone effects on <i>Anguilla anguilla</i> L. hepatic metabolism and erythrocytic nuclear abnormalities. <i>Environment International</i> , 2002 , 28, 285-93	12.9	42
110	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, 114-21	8.4	40
109	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	5.1	38
108	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	10.2	38
107	Wild juvenile <i>Dicentrarchus labrax</i> L. liver antioxidant and damage responses at Aveiro Lagoon, Portugal. <i>Ecotoxicology and Environmental Safety</i> , 2009 , 72, 1861-70	7	37
106	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	2.6	36
105	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, 336-45	5.1	36
104	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, 92-9	4.2	36
103	Biotransformation, stress and genotoxic effects of 17beta-estradiol in juvenile sea bass (<i>Dicentrarchus labrax</i> L.). <i>Environment International</i> , 2006 , 32, 470-7	12.9	35
102	An effective and potentially safe blood disinfection protocol using tetrapyrrolic photosensitizers. <i>Future Medicinal Chemistry</i> , 2017 , 9, 365-379	4.1	34
101	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, 8730-9	5.1	33
100	<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, 304-12		32
99	Naphthalene-induced differential tissue damage association with circulating fish phagocyte induction. <i>Ecotoxicology and Environmental Safety</i> , 2003 , 54, 7-15	7	32
98	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, 227-33	3.3	30
97	Endocrine and metabolic changes in <i>Anguilla anguilla</i> L. following exposure to beta-naphthoflavone—a microsomal enzyme inducer. <i>Environment International</i> , 2005 , 31, 99-104	12.9	29
96	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, 83-9	3	28

95	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, 290-8	10.2	27
94	Fish thyroidal and stress responses in contamination monitoring--an integrated biomarker approach. <i>Ecotoxicology and Environmental Safety</i> , 2011 , 74, 1265-70	7	26
93	as a tool for environmental risk assessment: emerging and promising applications for a "nobelized worm". <i>Critical Reviews in Toxicology</i> , 2019 , 49, 411-429	5.7	25
92	Are DNA-damaging effects induced by herbicide formulations (Roundup® and Garlon®) in fish transient and reversible upon cessation of exposure?. <i>Aquatic Toxicology</i> , 2014 , 155, 213-21	5.1	25
91	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, 42-7	5.1	25
90	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, 1405-11		25
89	Responses of European eel (<i>Anguilla anguilla</i> L.) in two polluted environments: in situ experiments. <i>Ecotoxicology and Environmental Safety</i> , 2004 , 58, 373-8	7	25
88	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, 664-76	2.9	24
87	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, 805-16	7	24
86	Endocrine and metabolic responses of <i>Anguilla anguilla</i> L. caged in a freshwater-wetland (Pateira de Fermentelos--Portugal). <i>Science of the Total Environment</i> , 2007 , 372, 562-70	10.2	24
85	<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, 568-81	5.1	23
84	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, 643-53	2.9	23
83	<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	12.9	23
82	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, 149-55	12.9	23
81	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	10.2	23
80	Fish and mercury: Influence of fish fillet culinary practices on human risk. <i>Food Control</i> , 2016 , 60, 575-581	6.2	22
79	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, 126-33	3.2	22
78	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, 525-35	4.5	22

77	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, 218-25	9.3	21
76	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> , 2011 , 19, 2879-88	5.1	21
75	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, 125-36	3.2	21
74	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	8.5	21
73	Mercury organotropism in feral European sea bass (<i>Dicentrarchus labrax</i>). <i>Archives of Environmental Contamination and Toxicology</i> , 2011 , 61, 135-43	3.2	21
72	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	4	21
71	<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, 500-7		20
70	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	3.2	20
69	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	5.1	19
68	Assessment of chromosomal damage induced by a deltamethrin-based insecticide in fish (<i>Anguilla anguilla</i> L.) - a follow-up study upon exposure and post-exposure periods. <i>Pesticide Biochemistry and Physiology</i> , 2014 , 113, 40-6	4.9	19
67	Immunosuppression in the infaunal bivalve <i>Scrobicularia plana</i> environmentally exposed to mercury and association with its accumulation. <i>Chemosphere</i> , 2011 , 82, 1541-6	8.4	19
66	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, 112-22	3.2	19
65	Anchoring novel molecular biomarker responses to traditional responses in fish exposed to environmental contamination. <i>Environmental Pollution</i> , 2010 , 158, 1783-90	9.3	19
64	Phytoplankton community-level bio-optical assessment in a naturally mercury contaminated Antarctic ecosystem (Deception Island). <i>Marine Environmental Research</i> , 2018 , 140, 412-421	3.3	17
63	Juvenile sea bass (<i>Dicentrarchus labrax</i> L.) enzymatic and non-enzymatic antioxidant responses following 17beta-estradiol exposure. <i>Ecotoxicology</i> , 2009 , 18, 974-82	2.9	17
62	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, 454-63	3.2	17
61	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	8.4	17
60	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, 1073-81	4.2	16

59	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	7.9	16
58	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, 2225-32	7	16
57	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	2.9	14
56	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, 2850-3	6.7	14
55	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, 524-40	4.2	14
54	Factors affecting RPSI in imposex monitoring studies using <i>Nucella lapillus</i> (L.) as bioindicator. <i>Journal of Environmental Monitoring</i> , 2010 , 12, 1055-63		14
53	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, 123-30	5.1	14
52	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	10.2	14
51	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	5.8	14
50	Environmental quality assessment combining sediment metal levels, biomarkers and macrobenthic communities: application to the Bidos coastal lagoon (Portugal). <i>Environmental Monitoring and Assessment</i> , 2012 , 184, 7141-51	3.1	13
49	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	4.9	13
48	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, 10638-51	5.1	12
47	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, 1907-13	7	12
46	Daily availability of nutrients and metals in a eutrophic meso-tidal coastal lagoon (Obidos lagoon, Portugal). <i>Marine Pollution Bulletin</i> , 2010 , 60, 1868-72	6.7	12
45	Looking at the aquatic contamination through fish eyes--a faithful picture based on metals burden. <i>Marine Pollution Bulletin</i> , 2013 , 77, 375-9	6.7	11
44	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	6.7	11
43	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, 554-62	3.2	11
42	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, 70-9	3.3	10

41	Addressing the impact of mercury estuarine contamination in the European eel (<i>Anguilla anguilla</i> L., 1758) - An early diagnosis in glass eel stage based on erythrocytic nuclear morphology. <i>Marine Pollution Bulletin</i> , 2018 , 127, 733-742	6.7	9
40	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, 412-8	6.7	8
39	Dietary Supplementation with the Red Seaweed Protects against DNA Damage and Pre-Malignant Dysplastic Skin Lesions in HPV-Transgenic Mice. <i>Marine Drugs</i> , 2019 , 17,	6	8
38	Trace elements in two marine fish species during estuarine residency: non-essential versus essential. <i>Marine Pollution Bulletin</i> , 2012 , 64, 2844-8	6.7	8
37	Ozonated seawater induces genotoxicity and hematological alterations in turbot (<i>Scophthalmus maximus</i>) Implications for management of recirculation aquaculture systems. <i>Aquaculture</i> , 2011 , 318, 180-184	4.4	8
36	Seasonal <i>Liza aurata</i> tissue-specific DNA integrity in a multi-contaminated coastal lagoon (Ria de Aveiro, Portugal). <i>Marine Pollution Bulletin</i> , 2010 , 60, 1755-61	6.7	8
35	<i>Anguilla anguilla</i> L. Genotoxic responses after in situ exposure to freshwater wetland (Pateira de Fermentelos, Portugal). <i>Environment International</i> , 2006 , 32, 510-5	12.9	8
34	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	10.2	8
33	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, 63-9	3.3	7
32	Understanding Stress-Responsive Mechanisms in Plants: An Overview of Transcriptomics and Proteomics Approaches 2012 , 337-355		7
31	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	9.3	6
30	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	2.2	6
29	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	5.1	6
28	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, 433-440	3.2	6
27	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	3.2	6
26	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	3.3	5
25	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	3.2	5
24	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	5.1	5

23	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	2.9	5
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18	Modulatory role of copper on β -aphthoflavone-induced DNA damage in European eel (<i>Anguilla anguilla</i> L.). <i>Ecotoxicology and Environmental Safety</i> , 2008 , 71, 806-12	7	4
17	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	3.2	4
16	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	3.2	3
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12	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	2.6	2
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