

# Paco Bustamante

## List of Publications by Citations

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279  
papers

7,890  
citations

47  
h-index

68  
g-index

303  
ext. papers

9,224  
ext. citations

6  
avg, IF

6.14  
L-index

#	Paper	IF	Citations
279	Cephalopods as a vector for the transfer of cadmium to top marine predators in the north-east Atlantic Ocean. <i>Science of the Total Environment</i> , <b>1998</b> , 220, 71-80	10.2	242
278	Bioaccumulation of trace elements in pelagic fish from the Western Indian Ocean. <i>Environmental Pollution</i> , <b>2007</b> , 146, 548-66	9.3	193
277	Modulators of mercury risk to wildlife and humans in the context of rapid global change. <i>Ambio</i> , <b>2018</b> , 47, 170-197	6.5	168
276	Total and organic Hg concentrations in cephalopods from the North Eastern Atlantic waters: influence of geographical origin and feeding ecology. <i>Science of the Total Environment</i> , <b>2006</b> , 368, 585-96	10.2	138
275	Distribution of trace elements in the tissues of benthic and pelagic fish from the Kerguelen Islands. <i>Science of the Total Environment</i> , <b>2003</b> , 313, 25-39	10.2	129
274	To breed or not to breed: endocrine response to mercury contamination by an Arctic seabird. <i>Biology Letters</i> , <b>2013</b> , 9, 20130317	3.6	117
273	Cadmium detoxification processes in the digestive gland of cephalopods in relation to accumulated cadmium concentrations. <i>Marine Environmental Research</i> , <b>2002</b> , 53, 227-41	3.3	109
272	Mercury content in commercial pelagic fish and its risk assessment in the Western Indian Ocean. <i>Science of the Total Environment</i> , <b>2006</b> , 366, 688-700	10.2	97
271	Subcellular and body distributions of 17 trace elements in the variegated scallop <i>Chlamys varia</i> from the French coast of the Bay of Biscay. <i>Science of the Total Environment</i> , <b>2005</b> , 337, 59-73	10.2	97
270	Bioaccumulation of Cadmium, Copper and Zinc in some Tissues of Three Species of Marine Turtles Stranded Along the French Atlantic Coasts. <i>Marine Pollution Bulletin</i> , <b>1999</b> , 38, 1085-1091	6.7	91
269	Demographic responses to mercury exposure in two closely related Antarctic top predators. <i>Ecology</i> , <b>2014</b> , 95, 1075-86	4.6	86
268	Bioaccumulation of 12 Trace Elements in the Tissues of the Nautilus <i>Nautilus macromphalus</i> from New Caledonia. <i>Marine Pollution Bulletin</i> , <b>2000</b> , 40, 688-696	6.7	85
267	Enhanced bioaccumulation of mercury in deep-sea fauna from the Bay of Biscay (north-east Atlantic) in relation to trophic positions identified by analysis of carbon and nitrogen stable isotopes. <i>Deep-Sea Research Part I: Oceanographic Research Papers</i> , <b>2012</b> , 65, 113-124	2.5	81
266	Cytogenetic and developmental toxicity of cerium and lanthanum to sea urchin embryos. <i>Chemosphere</i> , <b>2010</b> , 81, 194-8	8.4	80
265	Accumulation of nine metals and one metalloid in the tropical scallop <i>Comptopallium radula</i> from coral reefs in New Caledonia. <i>Environmental Pollution</i> , <b>2008</b> , 152, 543-52	9.3	79
264	Revisiting the use of $\delta^{15}N$ in meso-scale studies of marine food webs by considering spatio-temporal variations in stable isotopic signatures ¶The case of an open ecosystem: The Bay of Biscay (North-East Atlantic). <i>Progress in Oceanography</i> , <b>2012</b> , 101, 92-105	3.8	78
263	Composition in essential and non-essential elements of early stages of cephalopods and dietary effects on the elemental profiles of <i>Octopus vulgaris</i> paralarvae. <i>Aquaculture</i> , <b>2006</b> , 261, 225-240	4.4	78

262	Wide range of mercury contamination in chicks of southern ocean seabirds. <i>PLoS ONE</i> , <b>2013</b> , 8, e54508	3.7	78
261	Cadmium, copper and zinc in octopuses from Kerguelen Islands, Southern Indian Ocean. <i>Polar Biology</i> , <b>1998</b> , 19, 264-271	2	72
260	Lower trophic levels and detrital biomass control the Bay of Biscay continental shelf food web: Implications for ecosystem management. <i>Progress in Oceanography</i> , <b>2011</b> , 91, 561-575	3.8	71
259	Corticosterone, prolactin and egg neglect behavior in relation to mercury and legacy POPs in a long-lived Antarctic bird. <i>Science of the Total Environment</i> , <b>2015</b> , 505, 180-8	10.2	70
258	Demographic consequences of heavy metals and persistent organic pollutants in a vulnerable long-lived bird, the wandering albatross. <i>Proceedings of the Royal Society B: Biological Sciences</i> , <b>2014</b> , 281,	4.4	70
257	Effects of increased $\text{pCO}_2$ and temperature on trace element (Ag, Cd and Zn) bioaccumulation in the eggs of the common cuttlefish, <i>Sepia officinalis</i> . <i>Biogeosciences</i> , <b>2009</b> , 6, 2561-2573	4.6	70
256	Biokinetics of zinc and cadmium accumulation and depuration at different stages in the life cycle of the cuttlefish <i>Sepia officinalis</i> . <i>Marine Ecology - Progress Series</i> , <b>2002</b> , 231, 167-177	2.6	70
255	Trace element (Cd, Cu, Hg, Se, Zn) accumulation and tissue distribution in loggerhead turtles ( <i>Caretta caretta</i> ) from the Western Mediterranean Sea (southern Italy). <i>Chemosphere</i> , <b>2005</b> , 58, 535-42	8.4	69
254	A global perspective on the trophic geography of sharks. <i>Nature Ecology and Evolution</i> , <b>2018</b> , 2, 299-305	12.3	66
253	First evidence of laccase activity in the Pacific oyster <i>Crassostrea gigas</i> . <i>Fish and Shellfish Immunology</i> , <b>2010</b> , 28, 719-26	4.3	64
252	Penguins as bioindicators of mercury contamination in the Southern Ocean: birds from the Kerguelen Islands as a case study. <i>Science of the Total Environment</i> , <b>2013</b> , 454-455, 141-8	10.2	63
251	Variation of heavy metal concentrations (Ag, Cd, Co, Cu, Fe, Pb, V, and Zn) during the life cycle of the common cuttlefish <i>Sepia officinalis</i> . <i>Science of the Total Environment</i> , <b>2006</b> , 361, 132-43	10.2	61
250	Geographic, seasonal and ontogenetic variation in cadmium and mercury concentrations in squid (Cephalopoda: Teuthoidea) from UK waters. <i>Ecotoxicology and Environmental Safety</i> , <b>2008</b> , 70, 422-32	7	60
249	Trace elements in two odontocete species ( <i>Kogia breviceps</i> and <i>Globicephala macrorhynchus</i> ) stranded in New Caledonia (South Pacific). <i>Environmental Pollution</i> , <b>2003</b> , 124, 263-71	9.3	60
248	Spatial ecotoxicology: migratory Arctic seabirds are exposed to mercury contamination while overwintering in the northwest Atlantic. <i>Environmental Science &amp; Technology</i> , <b>2014</b> , 48, 11560-7	10.3	57
247	Hg concentrations and related risk assessment in coral reef crustaceans, molluscs and fish from New Caledonia. <i>Environmental Pollution</i> , <b>2009</b> , 157, 331-40	9.3	57
246	Nickel bioaccumulation in bivalves from the New Caledonia lagoon: seawater and food exposure. <i>Chemosphere</i> , <b>2007</b> , 66, 1449-57	8.4	57
245	Wandering albatrosses document latitudinal variations in the transfer of persistent organic pollutants and mercury to Southern Ocean predators. <i>Environmental Science &amp; Technology</i> , <b>2014</b> , 48, 14746-55	10.3	56

244	Mercury exposure in a large subantarctic avian community. <i>Environmental Pollution</i> , <b>2014</b> , 190, 51-7	9.3	55
243	Survival rate and breeding outputs in a high Arctic seabird exposed to legacy persistent organic pollutants and mercury. <i>Environmental Pollution</i> , <b>2015</b> , 200, 1-9	9.3	55
242	Bioaccumulation of Hg, Cu, and Zn in the Azores triple junction hydrothermal vent fields food web. <i>Chemosphere</i> , <b>2006</b> , 65, 2260-7	8.4	55
241	Foraging ecology of five toothed whale species in the Northwest Iberian Peninsula, inferred using carbon and nitrogen isotope ratios. <i>Journal of Experimental Marine Biology and Ecology</i> , <b>2012</b> , 413, 150-158	2.1	53
240	Metal and metalloid concentrations in the giant squid <i>Architeuthis dux</i> from Iberian waters. <i>Marine Environmental Research</i> , <b>2008</b> , 66, 278-87	3.3	53
239	Inter-specific and ontogenic differences in $\delta^{13}C$ and $\delta^{15}N$ values and Hg and Cd concentrations in cephalopods. <i>Marine Ecology - Progress Series</i> , <b>2011</b> , 433, 107-120	2.6	53
238	Importance of Integration and Implementation of Emerging and Future Mercury Research into the Minamata Convention. <i>Environmental Science &amp; Technology</i> , <b>2016</b> , 50, 2767-70	10.3	52
237	Assessment of metal, metalloid, and radionuclide bioaccessibility from mussels to human consumers, using centrifugation and simulated digestion methods coupled with radiotracer techniques. <i>Ecotoxicology and Environmental Safety</i> , <b>2009</b> , 72, 1499-502	7	52
236	Bioaccumulation of persistent organic pollutants in female common dolphins ( <i>Delphinus delphis</i> ) and harbour porpoises ( <i>Phocoena phocoena</i> ) from western European seas: geographical trends, causal factors and effects on reproduction and mortality. <i>Environmental Pollution</i> , <b>2008</b> , 153, 401-15	9.3	52
235	Metal bioaccumulation and detoxification processes in cephalopods: A review. <i>Environmental Research</i> , <b>2017</b> , 155, 123-133	7.9	51
234	High feather mercury concentrations in the wandering albatross are related to sex, breeding status and trophic ecology with no demographic consequences. <i>Environmental Research</i> , <b>2016</b> , 144, 1-10	7.9	49
233	Uptake, transfer and distribution of silver and cobalt in tissues of the common cuttlefish <i>Sepia officinalis</i> at different stages of its life cycle. <i>Marine Ecology - Progress Series</i> , <b>2004</b> , 269, 185-195	2.6	48
232	Multi-elemental concentrations in the tissues of the oceanic squid <i>Todarodes filippovae</i> from Tasmania and the southern Indian Ocean. <i>Ecotoxicology and Environmental Safety</i> , <b>2011</b> , 74, 1238-49	7	46
231	Trace elements in three marine birds breeding on Reunion Island (Western Indian ocean): part 1-factors influencing their bioaccumulation. <i>Archives of Environmental Contamination and Toxicology</i> , <b>2007</b> , 52, 418-30	3.2	45
230	Moulting patterns drive within-individual variations of stable isotopes and mercury in seabird body feathers: implications for monitoring of the marine environment. <i>Marine Biology</i> , <b>2014</b> , 161, 963-968	2.5	44
229	Trends in concentrations of selected metalloid and metals in two bivalves from the coral reefs in the SW lagoon of New Caledonia. <i>Ecotoxicology and Environmental Safety</i> , <b>2009</b> , 72, 372-81	7	44
228	New insights from age determination on toxic element accumulation in striped and bottlenose dolphins from Atlantic and Mediterranean waters. <i>Marine Pollution Bulletin</i> , <b>2006</b> , 52, 1219-30	6.7	43
227	Exposure to oxychlordan is associated with shorter telomeres in arctic breeding kittiwakes. <i>Science of the Total Environment</i> , <b>2016</b> , 563-564, 125-30	10.2	42

226	Oxidative stress in relation to reproduction, contaminants, gender and age in a long-lived seabird. <i>Oecologia</i> , <b>2014</b> , 175, 1107-16	2.9	42
225	Perfluorinated substances and telomeres in an Arctic seabird: Cross-sectional and longitudinal approaches. <i>Environmental Pollution</i> , <b>2017</b> , 230, 360-367	9.3	42
224	Detection of early effects of a single herbicide (diuron) and a mix of herbicides and pharmaceuticals (diuron, isoproturon, ibuprofen) on immunological parameters of Pacific oyster ( <i>Crassostrea gigas</i> ) spat. <i>Chemosphere</i> , <b>2012</b> , 87, 1335-40	8.4	42
223	Applying new tools to cephalopod trophic dynamics and ecology: perspectives from the Southern Ocean Cephalopod Workshop, February 28, 2006. <i>Reviews in Fish Biology and Fisheries</i> , <b>2007</b> , 17, 79-99	6	42
222	Concentration and distribution of <sup>210</sup> Po in the tissues of the scallop <i>Chlamys varia</i> and the mussel <i>Mytilus edulis</i> from the coasts of Charente-Maritime (France). <i>Marine Pollution Bulletin</i> , <b>2002</b> , 44, 997-1002	6.7	42
221	Corticosterone levels in relation to trace element contamination along an urbanization gradient in the common blackbird ( <i>Turdus merula</i> ). <i>Science of the Total Environment</i> , <b>2016</b> , 566-567, 93-101	10.2	42
220	Trace element bioaccumulation in reef fish from New Caledonia: influence of trophic groups and risk assessment for consumers. <i>Marine Environmental Research</i> , <b>2013</b> , 87-88, 26-36	3.3	41
219	Organic pollutants and their correlation with stable isotopes in vegetation from King George Island, Antarctica. <i>Chemosphere</i> , <b>2011</b> , 85, 393-8	8.4	41
218	Oligotrophy as a major driver of mercury bioaccumulation in medium-to high-trophic level consumers: A marine ecosystem-comparative study. <i>Environmental Pollution</i> , <b>2018</b> , 233, 844-854	9.3	41
217	Effects of Lipid Extraction on <sup>13</sup> C and <sup>15</sup> N Values in Seabird Muscle, Liver and Feathers. <i>Waterbirds</i> , <b>2008</b> , 31, 169-178	0.5	40
216	Interannual patterns of variation in concentrations of trace elements in arms of <i>Octopus vulgaris</i> . <i>Chemosphere</i> , <b>2005</b> , 59, 1113-24	8.4	40
215	Long-term dietary segregation of common dolphins <i>Delphinus delphis</i> in the Bay of Biscay, determined using cadmium as an ecological tracer. <i>Marine Ecology - Progress Series</i> , <b>2005</b> , 305, 275-285	2.6	40
214	Toxicity assessment of water-accommodated fractions from two different oils using a zebrafish ( <i>Danio rerio</i> ) embryo-larval bioassay with a multilevel approach. <i>Science of the Total Environment</i> , <b>2016</b> , 568, 952-966	10.2	40
213	Plasticity of trophic interactions among sharks from the oceanic south-western Indian Ocean revealed by stable isotope and mercury analyses. <i>Deep-Sea Research Part I: Oceanographic Research Papers</i> , <b>2015</b> , 96, 49-58	2.5	39
212	Metal influence on metallothionein synthesis in the hydrothermal vent mussel <i>Bathymodiolus thermophilus</i> . <i>Comparative Biochemistry and Physiology Part - C: Toxicology and Pharmacology</i> , <b>2006</b> , 143, 321-32	3.2	39
211	Accumulation of mercury in the tissues of the common octopus <i>Octopus vulgaris</i> (L.) in two localities on the Portuguese coast. <i>Science of the Total Environment</i> , <b>2005</b> , 340, 113-22	10.2	39
210	Interspecific and geographical variations of trace element concentrations in Pectinidae from European waters. <i>Chemosphere</i> , <b>2004</b> , 57, 1355-62	8.4	38
209	Use of skin and blubber tissues of small cetaceans to assess the trace element content of internal organs. <i>Marine Pollution Bulletin</i> , <b>2013</b> , 76, 158-69	6.7	37

208	Interspecific comparison of Cd bioaccumulation in European Pectinidae ( <i>Chlamys varia</i> and <i>Pecten maximus</i> ). <i>Journal of Experimental Marine Biology and Ecology</i> , <b>2007</b> , 353, 58-67	2.1	37
207	Evaluation of the variegated scallop <i>Chlamys varia</i> as a biomonitor of temporal trends of Cd, Cu, and Zn in the field. <i>Environmental Pollution</i> , <b>2005</b> , 138, 109-20	9.3	37
206	Accumulate or eliminate? Seasonal mercury dynamics in albatrosses, the most contaminated family of birds. <i>Environmental Pollution</i> , <b>2018</b> , 241, 124-135	9.3	37
205	Trace elements in oceanic pelagic communities in the western Indian Ocean. <i>Chemosphere</i> , <b>2017</b> , 174, 354-362	8.4	36
204	Mercury exposure, stress and prolactin secretion in an Arctic seabird: an experimental study. <i>Functional Ecology</i> , <b>2016</b> , 30, 596-604	5.6	36
203	Assessment of mercury speciation in feathers using species-specific isotope dilution analysis. <i>Talanta</i> , <b>2017</b> , 174, 100-110	6.2	35
202	Does temporal variation of mercury levels in Arctic seabirds reflect changes in global environmental contamination, or a modification of Arctic marine food web functioning?. <i>Environmental Pollution</i> , <b>2016</b> , 211, 382-8	9.3	35
201	Trace elements in Antarctic fish species and the influence of foraging habitats and dietary habits on mercury levels. <i>Science of the Total Environment</i> , <b>2015</b> , 538, 743-9	10.2	35
200	Seasonal variation of pollution biomarkers to assess the impact on the health status of juvenile Pacific oysters <i>Crassostrea gigas</i> exposed in situ. <i>Environmental Science and Pollution Research</i> , <b>2010</b> , 17, 999-1008	5.1	35
199	Metal and metalloid bioaccumulation in the Pacific blue shrimp <i>Litopenaeus stylirostris</i> (Stimpson) from New Caledonia: laboratory and field studies. <i>Marine Pollution Bulletin</i> , <b>2010</b> , 61, 576-84	6.7	35
198	Influence of the diet on the bioaccumulation of heavy metals in zooplankton-eating petrels at Kerguelen archipelago, Southern Indian Ocean. <i>Polar Biology</i> , <b>2003</b> , 26, 759-767	2	35
197	Trophic ecology of European sardine <i>Sardina pilchardus</i> and European anchovy <i>Engraulis encrasicolus</i> in the Bay of Biscay (north-east Atlantic) inferred from $\delta^{13}C$ and $\delta^{15}N$ values of fish and identified mesozooplanktonic organisms. <i>Journal of Sea Research</i> , <b>2014</b> , 85, 277-291	1.9	34
196	Ocean acidification and temperature rise: effects on calcification during early development of the cuttlefish <i>Sepia officinalis</i> . <i>Marine Biology</i> , <b>2013</b> , 160, 2007-2022	2.5	34
195	Industrial Melanism in the Seasnake <i>Emydocephalus annulatus</i> . <i>Current Biology</i> , <b>2017</b> , 27, 2510-2513.e2	6.3	34
194	Characterization of $^{241}Am$ and $^{137}Cs$ bioaccumulation in the king scallop <i>Pecten maximus</i> : investigation via three exposure pathways. <i>Journal of Environmental Radioactivity</i> , <b>2011</b> , 102, 543-50	2.4	34
193	Wide range of metallic and organic contaminants in various tissues of the Antarctic prion, a planktonophagous seabird from the Southern Ocean. <i>Science of the Total Environment</i> , <b>2016</b> , 544, 754-64	10.2	33
192	Enhanced immunological and detoxification responses in Pacific oysters, <i>Crassostrea gigas</i> , exposed to chemically dispersed oil. <i>Water Research</i> , <b>2011</b> , 45, 4103-18	12.5	33
191	First experiments on the maternal transfer of metals in the cuttlefish <i>Sepia officinalis</i> . <i>Marine Pollution Bulletin</i> , <b>2008</b> , 57, 826-31	6.7	33

190	Assessment of the exposure pathway in the uptake and distribution of americium and cesium in cuttlefish ( <i>Sepia officinalis</i> ) at different stages of its life cycle. <i>Journal of Experimental Marine Biology and Ecology</i> , <b>2006</b> , 331, 198-207	2.1	33
189	Biological and ecological factors related to trace element levels in harbour porpoises ( <i>Phocoena phocoena</i> ) from European waters. <i>Marine Environmental Research</i> , <b>2007</b> , 64, 247-66	3.3	33
188	From Antarctica to the subtropics: Contrasted geographical concentrations of selenium, mercury, and persistent organic pollutants in skua chicks ( <i>Catharacta</i> spp.). <i>Environmental Pollution</i> , <b>2017</b> , 228, 464-473	9.3	32
187	Bioaccumulation of essential metals (Co, Mn and Zn) in the king scallop <i>Pecten maximus</i> : seawater, food and sediment exposures. <i>Marine Biology</i> , <b>2009</b> , 156, 2063-2075	2.5	32
186	The tropical brown alga <i>Lobophora variegata</i> as a bioindicator of mining contamination in the New Caledonia lagoon: a field transplantation study. <i>Marine Environmental Research</i> , <b>2008</b> , 66, 438-44	3.3	32
185	Lead contamination of small cetaceans in European waters--the use of stable isotopes for identifying the sources of lead exposure. <i>Marine Environmental Research</i> , <b>2006</b> , 62, 131-48	3.3	32
184	Contaminants and energy expenditure in an Arctic seabird: Organochlorine pesticides and perfluoroalkyl substances are associated with metabolic rate in a contrasted manner. <i>Environmental Research</i> , <b>2017</b> , 157, 118-126	7.9	31
183	Penguins as bioindicators of mercury contamination in the southern Indian Ocean: geographical and temporal trends. <i>Environmental Pollution</i> , <b>2016</b> , 213, 195-205	9.3	31
182	Temperature and pCO <sub>2</sub> effect on the bioaccumulation of radionuclides and trace elements in the eggs of the common cuttlefish, <i>Sepia officinalis</i> . <i>Journal of Experimental Marine Biology and Ecology</i> , <b>2012</b> , 413, 45-49	2.1	31
181	Differential bioaccumulation behaviour of Ag and Cd during the early development of the cuttlefish <i>Sepia officinalis</i> . <i>Aquatic Toxicology</i> , <b>2008</b> , 86, 437-46	5.1	31
180	Species- and size-related patterns in stable isotopes and mercury concentrations in fish help refine marine ecosystem indicators and provide evidence for distinct management units for hake in the Northeast Atlantic. <i>ICES Journal of Marine Science</i> , <b>2014</b> , 71, 1073-1087	2.7	30
179	Mercury in wintering seabirds, an aggravating factor to winter wrecks?. <i>Science of the Total Environment</i> , <b>2015</b> , 527-528, 448-54	10.2	30
178	Validation of two tropical marine bivalves as bioindicators of mining contamination in the New Caledonia lagoon: field transplantation experiments. <i>Water Research</i> , <b>2011</b> , 45, 483-96	12.5	30
177	Comparative bioaccumulation of trace elements between <i>Nautilus pompilius</i> and <i>Nautilus macromphalus</i> (Cephalopoda: Nautiloidea) from Vanuatu and New Caledonia. <i>Ecotoxicology and Environmental Safety</i> , <b>2009</b> , 72, 365-71	7	30
176	Comparative foraging ecology and ecological niche of a superabundant tropical seabird: the sooty tern <i>Sterna fuscata</i> in the southwest Indian Ocean. <i>Marine Biology</i> , <b>2008</b> , 155, 505-520	2.5	30
175	Delineation of heavy metal uptake pathways (seawater and food) in the variegated scallop <i>Chlamys varia</i> , using radiotracer techniques. <i>Marine Ecology - Progress Series</i> , <b>2009</b> , 375, 161-171	2.6	30
174	In Vivo Formation of HgSe Nanoparticles and Hg-Tetraselenolate Complex from Methylmercury in Seabirds-Implications for the Hg-Se Antagonism. <i>Environmental Science &amp; Technology</i> , <b>2021</b> , 55, 1515-1526	10.3	30
173	Trophic resource partitioning within a shorebird community feeding on intertidal mudflat habitats. <i>Journal of Sea Research</i> , <b>2014</b> , 92, 115-124	1.9	29

172	Trace elements in invertebrates and fish from Kerguelen waters, southern Indian Ocean. <i>Polar Biology</i> , <b>2018</b> , 41, 175-191	2	28
171	Using blood and feathers to investigate large-scale Hg contamination in Arctic seabirds: A review. <i>Environmental Research</i> , <b>2019</b> , 177, 108588	7.9	28
170	Mother-embryo isotope ( $\delta^{15}\text{N}$ , $\delta^{13}\text{C}$ ) fractionation and mercury (Hg) transfer in aplacental deep-sea sharks. <i>Journal of Fish Biology</i> , <b>2014</b> , 84, 1574-81	1.9	28
169	An assessment of the trophic structure of the Bay of Biscay continental shelf food web: Comparing estimates derived from an ecosystem model and isotopic data. <i>Progress in Oceanography</i> , <b>2014</b> , 120, 205-215	3.8	28
168	An assessment of contaminant concentrations in toothed whale species of the NW Iberian Peninsula: part II. Trace element concentrations. <i>Science of the Total Environment</i> , <b>2014</b> , 484, 206-17	10.2	28
167	Differential tissue distribution and specificity of phenoloxidases from the Pacific oyster <i>Crassostrea gigas</i> . <i>Comparative Biochemistry and Physiology - B Biochemistry and Molecular Biology</i> , <b>2011</b> , 159, 220-6	2.3	28
166	Investigation of Ag in the king scallop <i>Pecten maximus</i> using field and laboratory approaches. <i>Journal of Experimental Marine Biology and Ecology</i> , <b>2008</b> , 367, 53-60	2.1	28
165	Trophic ecology of marine birds and pelagic fishes from Reunion Island as determined by stable isotope analysis. <i>Marine Ecology - Progress Series</i> , <b>2008</b> , 361, 239-251	2.6	28
164	Trace elements and persistent organic pollutants in chicks of 13 seabird species from Antarctica to the subtropics. <i>Environment International</i> , <b>2020</b> , 134, 105225	12.9	28
163	Demethylation of Methylmercury in Bird, Fish, and Earthworm. <i>Environmental Science &amp; Technology</i> , <b>2021</b> , 55, 1527-1534	10.3	28
162	Seabird Tissues As Efficient Biomonitoring Tools for Hg Isotopic Investigations: Implications of Using Blood and Feathers from Chicks and Adults. <i>Environmental Science &amp; Technology</i> , <b>2018</b> , 52, 4227-4234	10.3	27
161	Differential bioaccumulation of ( $^{134}\text{Cs}$ ) in tropical marine organisms and the relative importance of exposure pathways. <i>Journal of Environmental Radioactivity</i> , <b>2016</b> , 152, 127-35	2.4	27
160	Mercury in the ecosystem of Admiralty Bay, King George Island, Antarctica: Occurrence and trophic distribution. <i>Marine Pollution Bulletin</i> , <b>2017</b> , 114, 564-570	6.7	27
159	Trace element bioaccumulation in grey seals <i>Halichoerus grypus</i> from the Faroe Islands. <i>Marine Ecology - Progress Series</i> , <b>2004</b> , 267, 291-301	2.6	27
158	Persistent organic pollutants in a marine bivalve on the Marennes-Oléon Bay and the Gironde Estuary (French Atlantic Coast) - part 2: potential biological effects. <i>Science of the Total Environment</i> , <b>2015</b> , 514, 511-22	10.2	26
157	Interspecific and geographical variations of trace metal concentrations in cephalopods from Tunisian waters. <i>Environmental Monitoring and Assessment</i> , <b>2014</b> , 186, 3767-83	3.1	26
156	Ecological niche segregation among five toothed whale species off the NW Iberian Peninsula using ecological tracers as multi-approach. <i>Marine Biology</i> , <b>2013</b> , 160, 2825-2840	2.5	26
155	Persistent organic pollutants and stable isotopes in pinnipeds from King George Island, Antarctica. <i>Marine Pollution Bulletin</i> , <b>2012</b> , 64, 2650-5	6.7	26



154	Mercury isotopes of key tissues document mercury metabolic processes in seabirds. <i>Chemosphere</i> , <b>2021</b> , 263, 127777	8.4	25
153	Influence of sediment composition on PAH toxicity using zebrafish ( <i>Danio rerio</i> ) and Japanese medaka ( <i>Oryzias latipes</i> ) embryo-larval assays. <i>Environmental Science and Pollution Research</i> , <b>2014</b> , 21, 13703-19	5.1	24
152	Bioaccumulation of inorganic Hg by the juvenile cuttlefish <i>Sepia officinalis</i> exposed to <sup>203</sup> Hg radiolabelled seawater and food. <i>Aquatic Biology</i> , <b>2009</b> , 6, 91-98	2	24
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150	Mercury in seabird feathers: insight on dietary habits and evidence for exposure levels in the western Indian Ocean. <i>Science of the Total Environment</i> , <b>2007</b> , 384, 194-204	10.2	24
149	The role of stable isotopes and mercury concentrations to describe seabird foraging ecology in tropical environments. <i>Marine Biology</i> , <b>2008</b> , 155, 637-647	2.5	24
148	High levels of mercury and low levels of persistent organic pollutants in a tropical seabird in French Guiana, the Magnificent frigatebird, <i>Fregata magnificens</i> . <i>Environmental Pollution</i> , <b>2016</b> , 214, 384-393	9.3	24
147	Small pelagic fish feeding patterns in relation to food resource variability: an isotopic investigation for <i>Sardina pilchardus</i> and <i>Engraulis encrasicolus</i> from the Bay of Biscay (north-east Atlantic). <i>Marine Biology</i> , <b>2015</b> , 162, 15-37	2.5	23
146	Age-related mercury contamination and relationship with luteinizing hormone in a long-lived Antarctic bird. <i>PLoS ONE</i> , <b>2014</b> , 9, e103642	3.7	23
145	Radiotracer Techniques: A Unique Tool in Marine Ecotoxicological Studies. <i>Environmental Bioindicators</i> , <b>2007</b> , 2, 217-218		23
144	Use of radiotracer techniques to study subcellular distribution of metals and radionuclides in bivalves from the Noumea lagoon, New Caledonia. <i>Bulletin of Environmental Contamination and Toxicology</i> , <b>2005</b> , 75, 89-93	2.7	23
143	In situ evaluation of oxidative stress and immunological parameters as ecotoxicological biomarkers in a novel sentinel species ( <i>Mimachlamys varia</i> ). <i>Aquatic Toxicology</i> , <b>2015</b> , 161, 170-5	5.1	22
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138	Contrasting accumulation biokinetics and distribution of <sup>241</sup> Am, Co, Cs, Mn and Zn during the whole development time of the eggs of the common cuttlefish, <i>Sepia officinalis</i> . <i>Journal of Experimental Marine Biology and Ecology</i> , <b>2010</b> , 382, 131-138	2.1	21
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136	Mercury levels in Southern Ocean squid: Variability over the last decade. <i>Chemosphere</i> , <b>2020</b> , 239, 124785-94	21
135	Increased adrenal responsiveness and delayed hatching date in relation to polychlorinated biphenyl exposure in Arctic-breeding black-legged kittiwakes ( <i>Rissa tridactyla</i> ). <i>General and Comparative Endocrinology</i> , <b>2015</b> , 219, 165-72	3 19
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133	Anguilliform fish reveal large scale contamination by mine trace elements in the coral reefs of New Caledonia. <i>Science of the Total Environment</i> , <b>2014</b> , 470-471, 876-82	10.2 19
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131	Mercury exposure and short-term consequences on physiology and reproduction in Antarctic petrels. <i>Environmental Pollution</i> , <b>2018</b> , 237, 824-831	9.3 19
130	High cadmium and mercury concentrations in the tissues of the orange-back flying squid, <i>Sthenoteuthis pteropus</i> , from the tropical Eastern Atlantic. <i>Ecotoxicology and Environmental Safety</i> , <b>2018</b> , 163, 323-330	7 18
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125	Trophic ecology drives contaminant concentrations within a tropical seabird community. <i>Environmental Pollution</i> , <b>2017</b> , 227, 183-193	9.3 17
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120	Parental trophic exposure to three aromatic fractions of polycyclic aromatic hydrocarbons in the zebrafish: Consequences for the offspring. <i>Science of the Total Environment</i> , <b>2015</b> , 524-525, 52-62	10.2 16
119	Trace element accumulation in relation to trophic niches of shorebirds using intertidal mudflats. <i>Journal of Sea Research</i> , <b>2014</b> , 92, 134-143	1.9 16

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110	The impact of the Brikalbil spill on pelagic and coastal marine mammals: Combining demographic, ecological, trace metals and biomarker evidences. <i>Aquatic Living Resources</i> , <b>2004</b> , 17, 379-387	1.5	14
109	Delineation of PCB uptake pathways in a benthic sea star using a radiolabelled congener. <i>Marine Ecology - Progress Series</i> , <b>2003</b> , 253, 155-163	2.6	14
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58	Impact of Galvanic Anode Dissolution on Metal Trace Element Concentrations in Marine Waters. <i>Water, Air, and Soil Pollution</i> , <b>2015</b> , 226, 1	2.6	5
57	Sea-ice edge is more important than closer open water access for foraging Adle penguins: evidence from two colonies. <i>Marine Ecology - Progress Series</i> , <b>2020</b> , 640, 215-230	2.6	5
56	Main drivers of mercury levels in Southern Ocean lantern fish Myctophidae. <i>Environmental Pollution</i> , <b>2020</b> , 264, 114711	9.3	5
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38	First Time Identification of Selenoneine in Seabirds and Its Potential Role in Mercury Detoxification.. <i>Environmental Science &amp; Technology</i> , <b>2022</b> ,	10.3	3
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18	Metal(loid)s in superficial sediments from coral reefs of French Polynesia. <i>Marine Pollution Bulletin</i> , <b>2020</b> , 155, 111175	6.7	1
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2	Reply to the comment on "New insights into the biomineralization of mercury selenide nanoparticles through stable isotope analysis in giant petrel tissues" by A. Manceau, J. Hazard. Mater. 425 (2021) 127922. doi: 10.1016/j.jhazmat.2021.127922.. <i>Journal of Hazardous Materials</i> , <b>2022</b> , 431, 128582	12.8	
1	Relationships between stable isotopes and trace element concentrations in the crocodylian community of French Guiana.. <i>Science of the Total Environment</i> , <b>2022</b> , 155846	10.2	