

Paco Bustamante

List of Publications by Year in descending order

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Version: 2024-02-01

298
papers

10,548
citations

30070

54
h-index

66911

78
g-index

303
all docs

303
docs citations

303
times ranked

7316
citing authors

#	ARTICLE	IF	CITATIONS
1	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> , 1998, 220, 71-80.	8.0	295
2	Modulators of mercury risk to wildlife and humans in the context of rapid global change. <i>Ambio</i> , 2018, 47, 170-197.	5.5	244
3	Bioaccumulation of trace elements in pelagic fish from the Western Indian Ocean. <i>Environmental Pollution</i> , 2007, 146, 548-566.	7.5	234
4	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> , 2006, 368, 585-596.	8.0	164
5	Distribution of trace elements in the tissues of benthic and pelagic fish from the Kerguelen Islands. <i>Science of the Total Environment</i> , 2003, 313, 25-39.	8.0	147
6	To breed or not to breed: endocrine response to mercury contamination by an Arctic seabird. <i>Biology Letters</i> , 2013, 9, 20130317.	2.3	146
7	Cadmium detoxification processes in the digestive gland of cephalopods in relation to accumulated cadmium concentrations. <i>Marine Environmental Research</i> , 2002, 53, 227-241.	2.5	136
8	Mercury content in commercial pelagic fish and its risk assessment in the Western Indian Ocean. <i>Science of the Total Environment</i> , 2006, 366, 688-700.	8.0	118
9	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> , 2005, 337, 59-73.	8.0	117
10	Demographic responses to mercury exposure in two closely related Antarctic top predators. <i>Ecology</i> , 2014, 95, 1075-1086.	3.2	110
11	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> , 1999, 38, 1085-1091.	5.0	103
12	Bioaccumulation of 12 Trace Elements in the Tissues of the Nautilus <i>Nautilus macromphalus</i> from New Caledonia. <i>Marine Pollution Bulletin</i> , 2000, 40, 688-696.	5.0	98
13	A global perspective on the trophic geography of sharks. <i>Nature Ecology and Evolution</i> , 2018, 2, 299-305.	7.8	95
14	Cytogenetic and developmental toxicity of cerium and lanthanum to sea urchin embryos. <i>Chemosphere</i> , 2010, 81, 194-198.	8.2	94
15	Wide Range of Mercury Contamination in Chicks of Southern Ocean Seabirds. <i>PLoS ONE</i> , 2013, 8, e54508.	2.5	94
16	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> , 2008, 152, 543-552.	7.5	93
17	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> , 2012, 65, 113-124.	1.4	91
18	Revisiting the use of $\delta^{15}\text{N}$ 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) <i>Tj ETQq0020 rgBT 40</i>	0.0	0

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19	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> , 2015, 505, 180-188.	8.0	91
20	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> , 2014, 281, 20133313.	2.6	88
21	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> , 2006, 261, 225-240.	3.5	86
22	Lower trophic levels and detrital biomass control the Bay of Biscay continental shelf food web: Implications for ecosystem management. <i>Progress in Oceanography</i> , 2011, 91, 561-575.	3.2	86
23	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> , 2002, 231, 167-177.	1.9	86
24	Cadmium, copper and zinc in octopuses from Kerguelen Islands, Southern Indian Ocean. <i>Polar Biology</i> , 1998, 19, 264-271.	1.2	84
25	Spatial Ecotoxicology: Migratory Arctic Seabirds Are Exposed to Mercury Contamination While Overwintering in the Northwest Atlantic. <i>Environmental Science & Technology</i> , 2014, 48, 11560-11567.	10.0	82
26	Trace element (Cd, Cu, Hg, Se, Zn) accumulation and tissue distribution in loggerhead turtles (<i>Caretta caretta</i>). <i>Environmental Science & Technology</i> , 2014, 48, 11568-11574.	8.2	81
27	Effects of increased CO 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> , 2009, 6, 2561-2573.	3.3	78
28	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> , 2013, 454-455, 141-148.	8.0	78
29	Survival rate and breeding outputs in a high Arctic seabird exposed to legacy persistent organic pollutants and mercury. <i>Environmental Pollution</i> , 2015, 200, 1-9.	7.5	75
30	In Vivo Formation of HgSe Nanoparticles and Hg-Tetraselenolate Complex from Methylmercury in Seabirds—Implications for the Hg-Se Antagonism. <i>Environmental Science & Technology</i> , 2021, 55, 1515-1526.	10.0	75
31	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> , 2003, 124, 263-271.	7.5	74
32	First evidence of laccase activity in the Pacific oyster <i>Crassostrea gigas</i> . <i>Fish and Shellfish Immunology</i> , 2010, 28, 719-726.	3.6	74
33	Wandering Albatrosses Document Latitudinal Variations in the Transfer of Persistent Organic Pollutants and Mercury to Southern Ocean Predators. <i>Environmental Science & Technology</i> , 2014, 48, 14746-14755.	10.0	73
34	Mercury exposure in a large subantarctic avian community. <i>Environmental Pollution</i> , 2014, 190, 51-57.	7.5	72
35	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> , 2008, 153, 401-415.	7.5	71
36	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> , 2006, 361, 132-143.	8.0	70

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37	Geographic, seasonal and ontogenetic variation in cadmium and mercury concentrations in squid (Cephalopoda: Teuthoidea) from UK waters. <i>Ecotoxicology and Environmental Safety</i> , 2008, 70, 422-432.	6.0	68
38	Importance of Integration and Implementation of Emerging and Future Mercury Research into the Minamata Convention. <i>Environmental Science & Technology</i> , 2016, 50, 2767-2770.	10.0	68
39	Hg concentrations and related risk assessment in coral reef crustaceans, molluscs and fish from New Caledonia. <i>Environmental Pollution</i> , 2009, 157, 331-340.	7.5	67
40	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> , 2011, 433, 107-120.	1.9	67
41	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> , 2016, 144, 1-10.	7.5	66
42	Metal bioaccumulation and detoxification processes in cephalopods: A review. <i>Environmental Research</i> , 2017, 155, 123-133.	7.5	66
43	Metal and metalloid concentrations in the giant squid <i>Architeuthis dux</i> from Iberian waters. <i>Marine Environmental Research</i> , 2008, 66, 278-287.	2.5	64
44	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> , 2012, 413, 150-158.	1.5	63
45	Nickel bioaccumulation in bivalves from the New Caledonia lagoon: Seawater and food exposure. <i>Chemosphere</i> , 2007, 66, 1449-1457.	8.2	62
46	Oligotrophy as a major driver of mercury bioaccumulation in medium-to high-trophic level consumers: A marine ecosystem-comparative study. <i>Environmental Pollution</i> , 2018, 233, 844-854.	7.5	62
47	Using blood and feathers to investigate large-scale Hg contamination in Arctic seabirds: A review. <i>Environmental Research</i> , 2019, 177, 108588.	7.5	61
48	Demethylation of Methylmercury in Bird, Fish, and Earthworm. <i>Environmental Science & Technology</i> , 2021, 55, 1527-1534.	10.0	61
49	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> , 2004, 269, 185-195.	1.9	60
50	Bioaccumulation of Hg, Cu, and Zn in the Azores triple junction hydrothermal vent fields food web. <i>Chemosphere</i> , 2006, 65, 2260-2267.	8.2	60
51	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> , 2014, 161, 963-968.	1.5	60
52	Use of skin and blubber tissues of small cetaceans to assess the trace element content of internal organs. <i>Marine Pollution Bulletin</i> , 2013, 76, 158-169.	5.0	59
53	Accumulate or eliminate? Seasonal mercury dynamics in albatrosses, the most contaminated family of birds. <i>Environmental Pollution</i> , 2018, 241, 124-135.	7.5	59
54	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> , 2016, 566-567, 93-101.	8.0	57

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55	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> , 2009, 72, 1499-1502.	6.0	56
56	Trace element bioaccumulation in reef fish from New Caledonia: Influence of trophic groups and risk assessment for consumers. <i>Marine Environmental Research</i> , 2013, 87-88, 26-36.	2.5	56
57	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> , 2015, 96, 49-58.	1.4	56
58	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> , 2016, 568, 952-966.	8.0	56
59	Perfluorinated substances and telomeres in an Arctic seabird: Cross-sectional and longitudinal approaches. <i>Environmental Pollution</i> , 2017, 230, 360-367.	7.5	56
60	New insights from age determination on toxic element accumulation in striped and bottlenose dolphins from Atlantic and Mediterranean waters. <i>Marine Pollution Bulletin</i> , 2006, 52, 1219-1230.	5.0	55
61	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> , 2011, 74, 1238-1249.	6.0	55
62	Oxidative stress in relation to reproduction, contaminants, gender and age in a long-lived seabird. <i>Oecologia</i> , 2014, 175, 1107-1116.	2.0	55
63	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> , 2005, 305, 275-285.	1.9	55
64	Applying new tools to cephalopod trophic dynamics and ecology: perspectives from the Southern Ocean Cephalopod Workshop, February 2-3, 2006. <i>Reviews in Fish Biology and Fisheries</i> , 2007, 17, 79-99.	4.9	54
65	Assessment of mercury speciation in feathers using species-specific isotope dilution analysis. <i>Talanta</i> , 2017, 174, 100-110.	5.5	53
66	Mercury isotopes of key tissues document mercury metabolic processes in seabirds. <i>Chemosphere</i> , 2021, 263, 127777.	8.2	53
67	Concentration and distribution of ²¹⁰ 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> , 2002, 44, 997-1002.	5.0	52
68	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> , 2009, 72, 372-381.	6.0	50
69	Trace elements in oceanic pelagic communities in the western Indian Ocean. <i>Chemosphere</i> , 2017, 174, 354-362.	8.2	50
70	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> , 2007, 52, 418-430.	4.1	49
71	Mercury exposure, stress and prolactin secretion in an Arctic seabird: an experimental study. <i>Functional Ecology</i> , 2016, 30, 596-604.	3.6	49
72	Interannual patterns of variation in concentrations of trace elements in arms of <i>Octopus vulgaris</i> . <i>Chemosphere</i> , 2005, 59, 1113-1124.	8.2	48

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73	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> , 2017, 228, 464-473.	7.5	48
74	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> , 2006, 143, 321-332.	2.6	47
75	Interspecific comparison of Cd bioaccumulation in European Pectinidae (<i>Chlamys varia</i> and <i>Pecten</i>) Tj ETQq1 1 0.784314 rgBT/Overlo 1.5	1.5	47
76	Organic pollutants and their correlation with stable isotopes in vegetation from King George Island, Antarctica. <i>Chemosphere</i> , 2011, 85, 393-398.	8.2	47
77	Exposure to oxychlorane is associated with shorter telomeres in arctic breeding kittiwakes. <i>Science of the Total Environment</i> , 2016, 563-564, 125-130.	8.0	47
78	Penguins as bioindicators of mercury contamination in the southern Indian Ocean: geographical and temporal trends. <i>Environmental Pollution</i> , 2016, 213, 195-205.	7.5	46
79	Interspecific and geographical variations of trace element concentrations in Pectinidae from European waters. <i>Chemosphere</i> , 2004, 57, 1355-1362.	8.2	45
80	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> , 2005, 340, 113-122.	8.0	45
81	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> , 2010, 17, 999-1008.	5.3	45
82	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> , 2012, 87, 1335-1340.	8.2	45
83	Ocean acidification and temperature rise: effects on calcification during early development of the cuttlefish <i>Sepia officinalis</i> . <i>Marine Biology</i> , 2013, 160, 2007-2022.	1.5	45
84	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> , 2014, 85, 277-291.	1.6	45
85	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> , 2016, 211, 382-388.	7.5	45
86	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> , 2017, 157, 118-126.	7.5	45
87	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> , 2005, 138, 109-120.	7.5	43
88	Trophic resource partitioning within a shorebird community feeding on intertidal mudflat habitats. <i>Journal of Sea Research</i> , 2014, 92, 115-124.	1.6	43
89	Mercury in wintering seabirds, an aggravating factor to winter wrecks?. <i>Science of the Total Environment</i> , 2015, 527-528, 448-454.	8.0	43
90	Seabird Tissues As Efficient Biomonitoring Tools for Hg Isotopic Investigations: Implications of Using Blood and Feathers from Chicks and Adults. <i>Environmental Science & Technology</i> , 2018, 52, 4227-4234.	10.0	42

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91	Trace elements in invertebrates and fish from Kerguelen waters, southern Indian Ocean. <i>Polar Biology</i> , 2018, 41, 175-191.	1.2	42
92	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> , 2006, 62, 131-148.	2.5	41
93	Effects of Lipid Extraction on $\delta^{13}C$ and $\delta^{15}N$ Values in Seabird Muscle, Liver and Feathers. <i>Waterbirds</i> , 2008, 31, 169-178.	0.3	40
94	Industrial Melanism in the Seasnake <i>Emydocephalus annulatus</i> . <i>Current Biology</i> , 2017, 27, 2510-2513.e2.	3.9	40
95	Influence of the diet on the bioaccumulation of heavy metals in zooplankton-eating petrels at Kerguelen archipelago, Southern Indian Ocean. <i>Polar Biology</i> , 2003, 26, 759-767.	1.2	39
96	Trace element levels in foetus-mother pairs of short-beaked common dolphins (<i>Delphinus delphis</i>) stranded along the French coasts. <i>Environment International</i> , 2007, 33, 1021-1028.	10.0	39
97	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> , 2010, 61, 576-584.	5.0	39
98	Enhanced immunological and detoxification responses in Pacific oysters, <i>Crassostrea gigas</i> , exposed to chemically dispersed oil. <i>Water Research</i> , 2011, 45, 4103-4118.	11.3	39
99	Ecological niche segregation among five toothed whale species off the NW Iberian Peninsula using ecological tracers as multi-approach. <i>Marine Biology</i> , 2013, 160, 2825-2840.	1.5	39
100	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> , 2015, 538, 743-749.	8.0	39
101	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> , 2016, 544, 754-764.	8.0	39
102	Trace elements and persistent organic pollutants in chicks of 13 seabird species from Antarctica to the subtropics. <i>Environment International</i> , 2020, 134, 105225.	10.0	39
103	Mercury biomagnification in a Southern Ocean food web. <i>Environmental Pollution</i> , 2021, 275, 116620.	7.5	39
104	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> , 2008, 155, 505-520.	1.5	38
105	First experiments on the maternal transfer of metals in the cuttlefish <i>Sepia officinalis</i> . <i>Marine Pollution Bulletin</i> , 2008, 57, 826-831.	5.0	38
106	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> , 2008, 66, 438-444.	2.5	38
107	Biological and ecological factors related to trace element levels in harbour porpoises (<i>Phocoena</i>) Tj ETQq1 1 0.784314 rgBT /Overlock 10 2.5 37	2.5	37
108	Validation of two tropical marine bivalves as bioindicators of mining contamination in the New Caledonia lagoon: Field transplantation experiments. <i>Water Research</i> , 2011, 45, 483-496.	11.3	37

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109	Characterization of ²⁴¹ Am and ¹³⁴ Cs bioaccumulation in the king scallop <i>Pecten maximus</i> : investigation via three exposure pathways. <i>Journal of Environmental Radioactivity</i> , 2011, 102, 543-550.	1.7	37
110	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> , 2014, 484, 206-217.	8.0	37
111	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> , 2014, 120, 205-215.	3.2	37
112	Mercury in the ecosystem of Admiralty Bay, King George Island, Antarctica: Occurrence and trophic distribution. <i>Marine Pollution Bulletin</i> , 2017, 114, 564-570.	5.0	37
113	Primary production and depth drive different trophic structure and functioning of fish assemblages in French marine ecosystems. <i>Progress in Oceanography</i> , 2020, 186, 102343.	3.2	37
114	Trace element bioaccumulation in grey seals <i>Halichoerus grypus</i> from the Faroe Islands. <i>Marine Ecology - Progress Series</i> , 2004, 267, 291-301.	1.9	37
115	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> , 2009, 72, 365-371.	6.0	36
116	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> , 2014, 71, 1073-1087.	2.5	36
117	Persistent organic pollutants in a marine bivalve on the Marennes-Oléron Bay and the Gironde Estuary (French Atlantic Coast)â€”Part 2: Potential biological effects. <i>Science of the Total Environment</i> , 2015, 514, 511-522.	8.0	36
118	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> , 2009, 156, 2063-2075.	1.5	35
119	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> , 2006, 331, 198-207.	1.5	34
120	Differential bioaccumulation behaviour of Ag and Cd during the early development of the cuttlefish <i>Sepia officinalis</i> . <i>Aquatic Toxicology</i> , 2008, 86, 437-446.	4.0	34
121	Identification of sources and bioaccumulation pathways of MeHg in subantarctic penguins: a stable isotopic investigation. <i>Scientific Reports</i> , 2018, 8, 8865.	3.3	34
122	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> , 2009, 375, 161-171.	1.9	34
123	Persistent organic pollutants and stable isotopes in pinnipeds from King George Island, Antarctica. <i>Marine Pollution Bulletin</i> , 2012, 64, 2650-2655.	5.0	33
124	Age-Related Mercury Contamination and Relationship with Luteinizing Hormone in a Long-Lived Antarctic Bird. <i>PLoS ONE</i> , 2014, 9, e103642.	2.5	33
125	Motherâ€™s embryo isotope (¹⁵ N, ¹³ C) fractionation and mercury (Hg) transfer in aplacental deepâ€™sea sharks. <i>Journal of Fish Biology</i> , 2014, 84, 1574-1581.	1.6	33
126	Trophic ecology of marine birds and pelagic fishes from Reunion Island as determined by stable isotope analysis. <i>Marine Ecology - Progress Series</i> , 2008, 361, 239-251.	1.9	33

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127	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> , 2007, 384, 194-204.	8.0	32
128	Temperature and pCO ₂ 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> , 2012, 413, 45-49.	1.5	32
129	Differential bioaccumulation of ¹³⁴ Cs in tropical marine organisms and the relative importance of exposure pathways. <i>Journal of Environmental Radioactivity</i> , 2016, 152, 127-135.	1.7	32
130	The role of stable isotopes and mercury concentrations to describe seabird foraging ecology in tropical environments. <i>Marine Biology</i> , 2008, 155, 637-647.	1.5	31
131	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> , 2014, 21, 13703-13719.	5.3	31
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286	Relationships between stable isotopes and trace element concentrations in the crocodilian community of French Guiana. <i>Science of the Total Environment</i> , 2022, 837, 155846.	8.0	2
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290	Maturation of the European sardine <i>Sardina pilchardus</i> under experimental conditions strengthens bioenergetic estimate. <i>Marine Environmental Research</i> , 2020, 160, 104985.	2.5	1
291	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. <i>Mater.</i> 425 (2021) 127922. doi: 10.1016/j.jhazmat.2021.127922. <i>Journal of Hazardous Materials</i> , 2022, 431, 128582.	12.4	1
292	Variation in blood mercury concentrations in brown skuas (<i>Stercorarius antarcticus</i>) is related to trophic ecology but not breeding success or adult body condition. <i>Marine Pollution Bulletin</i> , 2022, 181, 113919.	5.0	1
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