AsunciÃ³n Borrell

List of Publications by Year
in descending order

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108 papers	4,560 citations	94381 37 h-index	110317 64 g-index
112 all docs	112 docs citations	112 times ranked	3546 citing authors

#	Article	IF	Citations
1	Beached and Floating Litter Surveys by Unmanned Aerial Vehicles: Operational Analogies and Differences. Remote Sensing, 2022, 14, 1336.	1.8	22
2	Unreported catches, impact of whaling and current status of blue whales in the South European Atlantic Shelf. Scientific Reports, 2022, 12, 5491.	1.6	5
3	Intrapopulation and temporal differences of phthalate concentrations in North Atlantic fin whales (Balaenoptera physalus). Chemosphere, 2022, 300, 134453.	4.2	13
4	Feeding ecology of the highly threatened common bottlenose dolphin of the Gulf of Ambracia, Greece, through stable isotope analysis. Marine Mammal Science, 2021, 37, 98-110.	0.9	10
5	Temporal trends of halogenated and organophosphate contaminants in striped dolphins from the Mediterranean Sea. Science of the Total Environment, 2021, 753, 142205.	3.9	23
6	Alkenones in oceanic odontocetes as a potential proxy of environmental water temperature. Ecological Indicators, 2021, 122, 107240.	2.6	1
7	Mitogenomics of the endangered Mediterranean monk seal (Monachus monachus) reveals dramatic loss of diversity and supports historical gene-flow between Atlantic and eastern Mediterranean populations. Zoological Journal of the Linnean Society, 2021, 191, 1147-1159.	1.0	8
8	Automatic detection and quantification of floating marine macro-litter in aerial images: Introducing a novel deep learning approach connected to a web application in R. Environmental Pollution, 2021, 273, 116490.	3.7	54
9	Niche partitioning amongst northwestern Mediterranean cetaceans using stable isotopes. Progress in Oceanography, 2021, 193, 102559.	1.5	18
10	Growth of baleen along the baleen rack is constant in balaenopterid whales. Polar Biology, 2021, 44, 1223-1225.	0.5	3
11	The isotopic niche of Atlantic, biting marine mammals and its relationship to skull morphology and body size. Scientific Reports, 2021, 11, 15147.	1.6	8
12	Ingestion of synthetic particles by fin whales feeding off western Iceland in summer. Chemosphere, 2021, 279, 130564.	4.2	12
13	Long-term assessment of trace elements in franciscana dolphins from the RÃo de la Plata estuary and adjacent Atlantic waters. Science of the Total Environment, 2021, 788, 147797.	3.9	5
14	Ecological niche partitioning between baleen whales inhabiting Icelandic waters. Progress in Oceanography, 2021, 199, 102690.	1.5	10
15	The missing whales: relevance of â€œstruck and lostâ€• rates for the impact assessment of historical whaling in the southwestern Atlantic Ocean. ICES Journal of Marine Science, 2021, 78, 14-24.	1.2	3
16	Whoâ€™s better at spotting? A comparison between aerial photography and observer-based methods to monitor floating marine litter and marine mega-fauna. Environmental Pollution, 2020, 258, 113680.	3.7	31
17	Floating marine macro-litter in the North Western Mediterranean Sea: Results from a combined monitoring approach. Marine Pollution Bulletin, 2020, 159, 111467.	2.3	28
18	Movements, diving behaviour and diet of typeâ€€ killer whales (<scp>Orcinus orca</scp>) in the Ross Sea, Antarctica. Aquatic Conservation: Marine and Freshwater Ecosystems, 2020, 30, 2428-2440.	0.9	8

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19	Floating marine macro litter: Density reference values and monitoring protocol settings from coast to offshore. Results from the MEDSEALITTER project. Marine Pollution Bulletin, 2020, 160, 111647.	2.3	15
20	Mitochondrial genomics reveals the evolutionary history of the porpoises (Phocoenidae) across the speciation continuum. Scientific Reports, 2020, 10, 15190.	1.6	13
21	Organophosphate contaminants in North Atlantic fin whales. Science of the Total Environment, 2020, 721, 137768.	3.9	36
22	Using Boops boops (osteichthyes) to assess microplastic ingestion in the Mediterranean Sea. Marine Pollution Bulletin, 2020, 158, 111397.	2.3	46
23	Alkenones as a temperature proxy in fin whale (Balaenoptera physalus) tissues. Limnology and Oceanography: Methods, 2020, 18, 446-452.	1.0	2
24	Wait your turn, North Atlantic fin whales share a common feeding ground sequentially. Marine Environmental Research, 2020, 155, 104884.	1.1	13
25	Assessment of organophosphate flame retardants in Mediterranean Boops boops and their relationship to anthropization levels and microplastic ingestion. Chemosphere, 2020, 252, 126569.	4.2	28
26	Assessment of Organochlorine Pollutants in Cetaceans by Means of Skin and Hypodermic Biopsies. , 2020, , 245-267.		2
27	Stable isotopes reveal winter feeding in different habitats in blue, fin and sei whales migrating through the Azores. Royal Society Open Science, 2019, 6, 181800.	1.1	28
28	Boops boops as a bioindicator of microplastic pollution along the Spanish Catalan coast. Marine Pollution Bulletin, 2019, 149, 110648.	2.3	52
29	Histological structure of baleen plates and its relevance to sampling for stable isotope studies. Mammalian Biology, 2019, 99, 63-70.	0.8	6
30	Organochlorine concentrations in aquatic organisms from different trophic levels of the Sundarbans mangrove ecosystem and their implications for human consumption. Environmental Pollution, 2019, 251, 681-688.	3.7	9
31	Insights from 180 years of mitochondrial variability in the endangered Mediterranean monk seal (<scp>Monachus monachus</scp>). Marine Mammal Science, 2019, 35, 1489-1511.	0.9	10
32	Fin whale (Balaenoptera physalus) mitogenomics: A cautionary tale of defining sub-species from mitochondrial sequence monophyly. Molecular Phylogenetics and Evolution, 2019, 135, 86-97.	1.2	11
33	Strontium in fin whale baleen: A potential tracer of mysticete movements across the oceans?. Science of the Total Environment, 2019, 650, 1224-1230.	3.9	8
34	Stable isotope analysis of fecal material provides insight into the diet of fin whales. Marine Mammal Science, 2018, 34, 1059-1069.	0.9	8
35	A global perspective on the trophic geography of sharks. Nature Ecology and Evolution, 2018, 2, 299-305.	3.4	95
36	Fin whales as bioindicators of multi-decadal change in carbon and oxygen stable isotope shifts in the North Atlantic. Marine Environmental Research, 2018, 138, 129-134.	1.1	16

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37	Are stable isotope ratios and oscillations consistent in all baleen plates along the filtering apparatus? Validation of an increasingly used methodology. Rapid Communications in Mass Spectrometry, 2018, 32, 1257-1262.	0.7	9
38	An evaluation of whale skin differences and its suitability as a tissue for stable isotope analysis. Journal of Sea Research, 2018, 140, 59-62.	0.6	5
39	Persistent Organic Pollutants in Cetaceans Living in a Hotspot Area. , 2018, , 185-212.		16
40	Bone as a surrogate tissue to monitor metals in baleen whales. Chemosphere, 2017, 171, 81-88.	4.2	15
41	Isotopic homogeneity throughout the skin in small cetaceans. Rapid Communications in Mass Spectrometry, 2017, 31, 1551-1557.	0.7	10
42	Influence of Reproduction on Stable-Isotope Ratios: Nitrogen and Carbon Isotope Discrimination between Mothers, Fetuses, and Milk in the Fin Whale, a Capital Breeder. Physiological and Biochemical Zoology, 2016, 89, 41-50.	0.6	31
43	PCB pollution continues to impact populations of orcas and other dolphins in European waters. Scientific Reports, 2016, 6, 18573.	1.6	320
44	Relationships between concentrations of selected organohalogen contaminants and thyroid hormones and vitamins A, E and D in Faroese pilot whales. Environmental Research, 2016, 148, 386-400.	3.7	13
45	Stable isotope analysis and fin whale subpopulation structure in the eastern North Atlantic. Marine Mammal Science, 2016, 32, 535-551.	0.9	21
46	Trace element accumulation and trophic relationships in aquatic organisms of the Sundarbans mangrove ecosystem (Bangladesh). Science of the Total Environment, 2016, 545-546, 414-423.	3.9	67
47	Use of epidermis for the monitoring of tissular trace elements in Mediterranean striped dolphins () Tj ETQq1 1 0.784314 rgBT /Overlo	4.2	25
48	The fin whale, a marine top consumer, exposes strengths and weaknesses of the use of fluoride as ecological tracer. Chemosphere, 2015, 127, 229-237.	4.2	3
49	Variation in Î´¹⁵N and Î´¹³C stable isotope values in common dolphins (Delphinus spp.) worldwide, with particular emphasis on the eastern North Atlantic populations. Rapid Communications in Mass Spectrometry, 2015, 29, 855-863.	0.7	5
50	Topographical variation in lipid content and morphological structure of the blubber in the striped dolphin. Scientia Marina, 2015, 79, 189-197.	0.3	11
51	Stable Isotopes Indicate Population Structuring in the Southwest Atlantic Population of Right Whales (Eubalaena australis). PLoS ONE, 2014, 9, e90489.	1.1	19
52	Î´15N Value Does Not Reflect Fasting in Mysticetes. PLoS ONE, 2014, 9, e92288.	1.1	55
53	The uncertain status of the Mediterranean and northeastern North Atlantic fin whale subpopulations: Reply to Castelloteet al.,Rapid Commun.Mass Spectrom. 2014,28, 665-667. Rapid Communications in Mass Spectrometry, 2014, 28, 668-670.	0.7	3
54	Postglacial climate changes and rise of three ecotypes of harbour porpoises, <scp>P</scp>hocoena phocoena, in western <scp>P</scp>alearctic waters. Molecular Ecology, 2014, 23, 3306-3321.	2.0	67

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55	Concentrations of mercury in tissues of striped dolphins suggest decline of pollution in Mediterranean open waters. Chemosphere, 2014, 107, 319-323.	4.2	33
56	Effect of tissue decomposition on stable isotope signatures of striped dolphins Stenella coeruleoalba and loggerhead sea turtles Caretta caretta. Aquatic Biology, 2013, 18, 141-147.	0.5	45
57	Isotopic evidence of limited exchange between Mediterranean and eastern North Atlantic fin whales. Rapid Communications in Mass Spectrometry, 2013, 27, 1801-1806.	0.7	38
58	Stable Isotopes Provide Insight into Population Structure and Segregation in Eastern North Atlantic Sperm Whales. PLoS ONE, 2013, 8, e82398.	1.1	32
59	Massive Consumption of Gelatinous Plankton by Mediterranean Apex Predators. PLoS ONE, 2012, 7, e31329.	1.1	168
60	Discrimination of stable isotopes in fin whale tissues and application to diet assessment in cetaceans. Rapid Communications in Mass Spectrometry, 2012, 26, 1596-1602.	0.7	106
61	Common dolphin morphotypes: Niche segregation or taxonomy?. Journal of Zoology, 2011, 284, 239-247.	0.8	10
62	Assessment of nutritional condition indices across reproductive states in the striped dolphin (Stenella coeruleoalba). Journal of Experimental Marine Biology and Ecology, 2011, 405, 18-24.	0.7	20
63	Stable isotope profiles in whale shark (Rhincodon typus) suggest segregation and dissimilarities in the diet depending on sex and size. Environmental Biology of Fishes, 2011, 92, 559-567.	0.4	52
64	Nitrogen and carbon stable isotopes do not reflect nutritional condition in the striped dolphin. Rapid Communications in Mass Spectrometry, 2011, 25, 1343-1347.	0.7	19
65	Trophic ecology of elasmobranchs caught off Gujarat, India, as inferred from stable isotopes. ICES Journal of Marine Science, 2011, 68, 547-554.	1.2	43
66	Overfishing of Small Pelagic Fishes Increases Trophic Overlap between Immature and Mature Striped Dolphins in the Mediterranean Sea. PLoS ONE, 2011, 6, e24554.	1.1	41
67	Organochlorine Residues in South American Sea Lions, Otaria flavescens (Shaw, 1800): Bioaccumulation and Time Trends. Bulletin of Environmental Contamination and Toxicology, 2010, 84, 731-737.	1.3	16
68	PCB and DDT levels do not appear to have enhanced the mortality of striped dolphins (Stenella) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 22	4.2	24
69	Stable isotope analysis reveals habitat partitioning among marine mammals off the NW African coast and unique trophic niches for two globally threatened species. Marine Ecology - Progress Series, 2010, 416, 295-306.	0.9	44
70	Pollution and Marine Mammals. , 2009, , 890-898.		24
71	Correlates of Cytochrome P450 1A1 Expression in Bottlenose Dolphin (Tursiops truncatus) Integument Biopsies. Toxicological Sciences, 2007, 97, 111-119.	1.4	36
72	Organochlorine concentrations declined during 1987â€“2002 in western Mediterranean bottlenose dolphins, a coastal top predator. Chemosphere, 2007, 66, 347-352.	4.2	49

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73	OPEN-BOAT WHALING ON THE STRAITS OF GIBRALTAR GROUND AND ADJACENT WATERS. Marine Mammal Science, 2007, 23, 322-342.	0.9	14
74	Post-mortem stability of blubber DLCs, PCB and tDDT in by-caught harbour porpoises (Phocoena) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 7	2.3	7
75	Concentrations and patterns of organochlorine pesticides and PCBs in Mediterranean monk seals (Monachus monachus) from Western Sahara and Greece. Science of the Total Environment, 2007, 381, 316-325.	3.9	18
76	Meadows of the seagrass Posidonia oceanica are a significant source of organic matter for adjoining ecosystems. Marine Ecology - Progress Series, 2007, 335, 123-131.	0.9	53
77	Stable C and N isotope concentration in several tissues of the loggerhead sea turtle Caretta caretta from the western Mediterranean and dietary implications. Scientia Marina, 2007, 71, 87-93.	0.3	23
78	Organochlorine compounds and stable isotopes indicate bottlenose dolphin subpopulation structure around the Iberian Peninsula. Environment International, 2006, 32, 516-523.	4.8	72
79	Organochlorine contaminant and retinoid levels in blubber of common dolphins (Delphinus delphis) off northwestern Spain. Environmental Pollution, 2006, 140, 312-321.	3.7	23
80	Individual-Based Model Framework to Assess Population Consequences of Polychlorinated Biphenyl Exposure in Bottlenose Dolphins. Environmental Health Perspectives, 2006, 114, 60-64.	2.8	100
81	Integrating life-history and reproductive success data to examine potential relationships with organochlorine compounds for bottlenose dolphins (Tursiops truncatus) in Sarasota Bay, Florida. Science of the Total Environment, 2005, 349, 106-119.	3.9	173
82	Differences in DDT and PCB Residues Between Common and Striped Dolphins from the Southwestern Mediterranean. Archives of Environmental Contamination and Toxicology, 2005, 48, 501-508.	2.1	31
83	Mother-Calf Transfer of Organochlorine Compounds in the Common Dolphin (Delphinus delphis). Bulletin of Environmental Contamination and Toxicology, 2005, 75, 149-156.	1.3	34
84	Effect of organochlorine contaminants and individual biological traits on blubber retinoid concentrations in bottlenose dolphins (Tursiops truncatus). Journal of Environmental Monitoring, 2005, 7, 109.	2.1	10
85	DDT and PCB reduction in the western Mediterranean from 1987 to 2002, as shown by levels in striped dolphins (Stenella coeruleoalba). Marine Environmental Research, 2005, 59, 391-404.	1.1	79
86	Retinoid and lipid patterns in the blubber of common dolphins (Delphinus delphis): implications for monitoring vitamin A status. Comparative Biochemistry and Physiology - B Biochemistry and Molecular Biology, 2004, 137, 391-400.	0.7	13
87	Levels of organochlorine compounds in spotted dolphins from the Coiba archipelago, Panama. Chemosphere, 2004, 54, 669-677.	4.2	6
88	Organochlorine residues in harbour porpoises from Southwest Greenland. Environmental Pollution, 2004, 128, 381-391.	3.7	13
89	Tissue distribution of retinoids in common dolphins Delphinus delphis. Marine Ecology - Progress Series, 2004, 280, 275-283.	0.9	5
90	Geographical and temporal variation in levels of organochlorine contaminants in marine mammals. Marine Environmental Research, 2002, 53, 425-452.	1.1	213

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91	Global Distribution of Halogenated Dimethyl Bipyrroles in Marine Mammal Blubber. Archives of Environmental Contamination and Toxicology, 2002, 43, 244-255.	2.1	50
92	Organochlorine compounds in common dolphins (Delphinus delphis) from the Atlantic and Mediterranean waters of Spain. Environmental Pollution, 2001, 114, 265-274.	3.7	45
93	BIOACCUMULATION OF POLYCHLORINATED BIPHENYLS (PCBs) AND DICHLORODIPHENYLETHANE (DDE) METHYL SULFONES IN TISSUES OF SEAL AND DOLPHIN MORBILLIVIRUS EPIZOOTIC VICTIMS. Journal of Toxicology and Environmental Health - Part A: Current Issues, 2000, 62, 1-8.	1.1	46
94	Patterns of variability of retinol levels in a harbour porpoise population from an unpolluted environment. Marine Ecology - Progress Series, 1999, 185, 85-92.	0.9	12
95	Trace elements in striped dolphins (Stenella coeruleoalba) from the western Mediterranean. Environmental Pollution, 1998, 99, 61-68.	3.7	83
96	Organochlorine pollutant levels in Mediterranean monk seals from the western Mediterranean and the Sahara coast. Marine Pollution Bulletin, 1997, 34, 505-510.	2.3	33
97	Evaluation of toxicity and sex-related variation of PCB levels in Mediterranean striped dolphins affected by an epizootic. Chemosphere, 1996, 32, 2359-2369.	4.2	49
98	Congener profile and toxicity assessment of polychlorinated biphenyls in dolphins, sharks and tuna collected from Italian coastal waters. Marine Environmental Research, 1995, 40, 33-53.	1.1	175
99	Levels of organochlorine compounds in freshwater fish from Catalonia, N.E. Spain. Chemosphere, 1995, 31, 3523-3535.	4.2	13
100	Age trends and reproductive transfer of organochlorine compounds in long-finned pilot whales from the Faroe Islands. Environmental Pollution, 1995, 88, 283-292.	3.7	166
101	Reproductive transfer and variation of body load of organochlorine pollutants with age in fin whales (Balaenoptera physalus). Archives of Environmental Contamination and Toxicology, 1994, 27, 546-54.	2.1	97
102	Abnormally high polychlorinated biphenyl levels in striped dolphins (Stenella coeruleoalba) affected by the 1990â€“1992 Mediterranean epizootic. Science of the Total Environment, 1994, 154, 237-247.	3.9	275
103	Isomer-specific analysis and toxic evaluation of polychlorinated biphenyls in striped dolphins affected by an epizootic in the western Mediterranean sea. Archives of Environmental Contamination and Toxicology, 1993, 25, 227-33.	2.1	158
104	PCB and DDT in blubber of cetaceans from the northeastern north Atlantic. Marine Pollution Bulletin, 1993, 26, 146-151.	2.3	78
105	Heterogeneous distribution of organochlorine contaminants in the blubber of baleen whales: implications for sampling procedures. Marine Environmental Research, 1991, 31, 275-286.	1.1	58
106	Loss of organochlorine compounds in the tissues of a decomposing stranded dolphin. Bulletin of Environmental Contamination and Toxicology, 1990, 45, 46-53.	1.3	60
107	Age- and sex-related changes in organochlorine compound levels in fin whales (Balaenoptera) Tj ETQq1 1 0.784314 rgBT /Overlock 10	1.1	65
108	Variations in DDE percentage correlated with total DDT burden in the blubber of fin and sei whales. Marine Pollution Bulletin, 1987, 18, 70-74.	2.3	45