Maria Cristina Fossi

List of Publications by Year
in descending order

63	4,845	147801 31	138484 58
papers	citations	h-index	g-index

63	63	63	4368
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Are baleen whales exposed to the threat of microplastics? A case study of the Mediterranean fin whale (Balaenoptera physalus). Marine Pollution Bulletin, 2012, 64, 2374-2379.	5.0	472
2	First evidence of presence of plastic debris in stomach of large pelagic fish in the Mediterranean Sea. Marine Pollution Bulletin, 2015, 95, 358-361.	5.0	449
3	Intestinal alterations in European sea bass Dicentrarchus labrax (Linnaeus, 1758) exposed to microplastics: Preliminary results. Environmental Pollution, 2016, 212, 251-256.	7.5	421
4	Large filter feeding marine organisms as indicators of microplastic in the pelagic environment: The case studies of the Mediterranean basking shark (Cetorhinus maximus) and fin whale (Balaenoptera) Tj ETQq0 0 0 rgBT /Overlock 10 Tf	3.3	344
5	Fin whales and microplastics: The Mediterranean Sea and the Sea of Cortez scenarios. Environmental Pollution, 2016, 209, 68-78.	7.5	299
6	Bioindicators for monitoring marine litter ingestion and its impacts on Mediterranean biodiversity. Environmental Pollution, 2018, 237, 1023-1040.	7.5	255
7	Microplastics induce transcriptional changes, immune response and behavioral alterations in adult zebrafish. Scientific Reports, 2019, 9, 15775.	3.3	200
8	Amount and distribution of neustonic micro-plastic off the western Sardinian coast (Central-Western Mediterranean Sea). Marine Environmental Research, 2014, 100, 10-16.	2.5	189
9	Microplastics: No Small Problem for Filter-Feeding Megafauna. Trends in Ecology and Evolution, 2018, 33, 227-232.	8.7	172
10	Plastic Debris Occurrence, Convergence Areas and Fin Whales Feeding Ground in the Mediterranean Marine Protected Area Pelagos Sanctuary: A Modeling Approach. Frontiers in Marine Science, 0, 4, .	2.5	158
11	Abundance and characterization of microplastics in the coastal waters of Tuscany (Italy): The application of the MSFD monitoring protocol in the Mediterranean Sea. Marine Pollution Bulletin, 2018, 133, 543-552.	5.0	149
12	Microplastics occurrence in edible fish species (Mullus barbatus and Merluccius merluccius) collected in three different geographical sub-areas of the Mediterranean Sea. Marine Pollution Bulletin, 2019, 140, 129-137.	5.0	146
13	Presence of plastic debris in loggerhead turtle stranded along the Tuscany coasts of the Pelagos Sanctuary for Mediterranean Marine Mammals (Italy). Marine Pollution Bulletin, 2013, 74, 225-230.	5.0	118
14	First detection of seven phthalate esters (PAEs) as plastic tracers in superficial neustonic/planktonic samples and cetacean blubber. Analytical Methods, 2017, 9, 1512-1520.	2.7	99
15	Presence and characterization of microplastics in fish of commercial importance from the BiobÃo region in central Chile. Marine Pollution Bulletin, 2019, 140, 315-319.	5.0	98
16	Marine litter: One of the major threats for marine mammals. Outcomes from the European Cetacean Society workshop. Environmental Pollution, 2019, 247, 72-79.	7.5	91
17	Loggerhead sea turtles (Caretta caretta): A target species for monitoring litter ingested by marine organisms in the Mediterranean Sea. Environmental Pollution, 2017, 230, 199-209.	7.5	82
18	A Review of Plastic-Associated Pressures: Cetaceans of the Mediterranean Sea and Eastern Australian Shearwaters as Case Studies. Frontiers in Marine Science, 2018, 5, .	2.5	78

#	Article	IF	Citations
19	Occurrence, relative abundance and spatial distribution of microplastics and zooplankton NW of Sardinia in the Pelagos Sanctuary Protected Area, Mediterranean Sea. Environmental Chemistry, 2015, 12, 618.	1.5	76
20	Are whale sharks exposed to persistent organic pollutants and plastic pollution in the Gulf of California (Mexico)? First ecotoxicological investigation using skin biopsies. Comparative Biochemistry and Physiology Part - C: Toxicology and Pharmacology, 2017, 199, 48-58.	2.6	62
21	First data on plastic ingestion by blue sharks (Prionace glauca) from the Ligurian Sea (North-Western) Tj ETQq1 1 0.784314 rgBT /Ove	5.0	59
22	First ecotoxicological assessment of Caretta caretta (Linnaeus, 1758) in the Mediterranean Sea using an integrated nondestructive protocol. Science of the Total Environment, 2018, 631-632, 1221-1233.	8.0	42
23	First detection of CYP1A1 and CYP2B induction in Mediterranean cetacean skin biopsies and cultured fibroblasts by Western blot analysis. Marine Environmental Research, 2008, 66, 3-6.	2.5	41
24	Interlaboratory comparison of microplastic extraction methods from marine biota tissues: A harmonization exercise of the Plastic Busters MPAs project. Marine Pollution Bulletin, 2021, 164, 111992.	5.0	39
25	The Pelagos Sanctuary for Mediterranean marine mammals: Marine Protected Area (MPA) or marine polluted area? The case study of the striped dolphin (Stenella coeruleoalba). Marine Pollution Bulletin, 2013, 70, 64-72.	5.0	38
26	An index based on the biodiversity of cetacean species to assess the environmental status of marine ecosystems. Marine Environmental Research, 2014, 100, 94-111.	2.5	38
27	Pacific Oceanâ€“Wide Profile of CYP1A1 Expression, Stable Carbon and Nitrogen Isotope Ratios, and Organic Contaminant Burden in Sperm Whale Skin Biopsies. Environmental Health Perspectives, 2011, 119, 337-343.	6.0	37
28	The role of large marine vertebrates in the assessment of the quality of pelagic marine ecosystems. Marine Environmental Research, 2012, 77, 156-158.	2.5	36
29	Serum B esterases as a nondestructive biomarker in the lizard Gallotia galloti experimentally treated with parathion. Environmental Toxicology and Chemistry, 1997, 16, 1954-1961.	4.3	32
30	Congener Specific Analysis of Polychlorinated Dibenzo-p-dioxins and Dibenzofurans in Crabs and Sediments from the Venice and Orbetello Lagoons, Italy. Environmental Science & Technology, 1998, 32, 3853-3861.	10.0	32
31	A multi-trial diagnostic tool in fin whale (Balaenoptera physalus) skin biopsies of the Pelagos Sanctuary (Mediterranean Sea) and the Gulf of California (Mexico). Marine Environmental Research, 2010, 69, S17-S20.	2.5	32
32	Ecotoxicological diagnosis of striped dolphin (Stenella coeruleoalba) from the Mediterranean basin by skin biopsy and gene expression approach. Ecotoxicology, 2011, 20, 1791-1800.	2.4	32
33	Effects of inÂvitro exposure to titanium dioxide on DNA integrity of bottlenose dolphin (Tursiops) Tj ETQq1 1 0.784314 rgBT /Overloc	2.5	32
34	Transcriptomic analysis of bottlenose dolphin (Tursiops truncatus) skin biopsies to assess the effects of emerging contaminants. Marine Environmental Research, 2016, 114, 74-79.	2.5	32
35	Marine plastic debris in Central Chile: Characterization and abundance of macroplastics and burden of persistent organic pollutants (POPs). Marine Pollution Bulletin, 2020, 152, 110881.	5.0	31
36	Cetaceans as Ocean Health Indicators of Marine Litter Impact at Global Scale. Frontiers in Environmental Science, 2020, 8, .	3.3	29

#	Article	IF	Citations
37	Assessing and mitigating the harmful effects of plastic pollution: the collective multi-stakeholder driven Euro-Mediterranean response. Ocean and Coastal Management, 2020, 184, 105005.	4.4	27
38	Preliminary Results of Biomarker Responses in Zooplankton of Brackish Environments. Marine Pollution Bulletin, 2001, 42, 745-748.	5.0	23
39	Selection of reliable reference genes for qRT-PCR studies on cetacean fibroblast cultures exposed to OCs, PBDEs, and 17Î²-estradiol. Aquatic Toxicology, 2008, 87, 178-186.	4.0	23
40	Pilot study on levels of chemical contaminants and porphyrins in Caretta caretta from the Mediterranean Sea. Marine Environmental Research, 2014, 100, 33-37.	2.5	23
41	Anthropogenic contaminants in Indo-Pacific humpback and Australian snubfin dolphins from the central and southern Great Barrier Reef. Environmental Pollution, 2013, 182, 490-494.	7.5	22
42	Perfluorinated compounds in blood of Caretta caretta from the Mediterranean Sea. Marine Pollution Bulletin, 2013, 73, 98-101.	5.0	20
43	First application of comet assay in blood cells of Mediterranean loggerhead sea turtle (Caretta) Tj ETQq1 1 0.784314 rgBT /Overlock 10	2.5	16
44	An â€œex vivoâ€•model to evaluate toxicological responses to mixtures of contaminants in cetaceans: Integumentum biopsy slices. Environmental Toxicology, 2014, 29, 1107-1121.	4.0	15
45	Impacts of Marine Litter on Cetaceans. , 2018, , 147-184.		15
46	Microplastic abundance and biodiversity richness overlap: Identification of sensitive areas in the Western Ionian Sea. Marine Pollution Bulletin, 2022, 177, 113550.	5.0	14
47	Coupling Gastro-Intestinal Tract Analysis With an Airborne Contamination Control Method to Estimate Litter Ingestion in Demersal Elasmobranchs. Frontiers in Environmental Science, 2020, 8, .	3.3	13
48	An immune response-based approach to evaluate physiological stress in rehabilitating loggerhead sea turtle. Veterinary Immunology and Immunopathology, 2019, 207, 18-24.	1.2	12
49	Effects of microplastics on head kidney gene expression and enzymatic biomarkers in adult zebrafish. Comparative Biochemistry and Physiology Part - C: Toxicology and Pharmacology, 2021, 245, 109037.	2.6	11
50	First assessment of POPs and cytochrome P450 expression in Cuvierâ€™s beaked whales (Ziphius) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50	3.3	11
51	Biological threats and environmental pollutants, a lethal mixture for mediterranean cetaceans?. Journal of the Marine Biological Association of the United Kingdom, 2014, 94, 1221-1225.	0.8	10
52	Field Sampling Techniques and Ecotoxicologic Biomarkers in Cetaceans. , 2018, , 237-259.		10
53	Integrated biomarker responses in European seabass Dicentrarchus labrax (Linnaeus, 1758) chronically exposed to PVC microplastics. Journal of Hazardous Materials, 2022, 438, 129488.	12.4	9
54	Potential Use of Biomarkers in Zooplankton as Early Warning Signals of Ecotoxicological Risk in the Marine Food Chain. Marine Ecology, 2002, 23, 291-296.	1.1	8

#	Article	IF	Citations
55	Exploring the potential of large vertebrates as early warning sentinels of threats to marine ecosystems, human health and wellbeing. Marine Environmental Research, 2014, 100, 1-2.	2.5	7
56	Trace elements levels in muscle and liver of a rarely investigated large pelagic fish: The Mediterranean spearfish Tetrapturus belone (Rafinesque, 1810). Marine Pollution Bulletin, 2020, 151, 110878.	5.0	6
57	Analysis of the Gastro-Intestinal Tract of Marine Mammals: A Multidisciplinary Approach with a New Multi-Sieves Tool. Animals, 2021, 11, 1824.	2.3	4
58	Skin distress associated with xenobiotics exposure: An epigenetic study in the Mediterranean fin whale (Balaenoptera physalus). Marine Genomics, 2021, 57, 100822.	1.1	3
59	Ecotoxicological Characterization of Type C Killer Whales From Terra Nova Bay (Ross Sea,) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 5C in Marine Science, 2022, 9, .	2.5	3
60	Polycyclic Aromatic Hydrocarbon-DNA Adducts in Gulf of Mexico Sperm Whale Skin Biopsies Collected in 2012. Toxicological Sciences, 2021, 181, 115-124.	3.1	2
61	The Impact of Microplastics on Filter-Feeding Megafauna. Springer Water, 2020, , 1-3.	0.3	1
62	Occurrence of Microplastics in the Gastrointestinal Tracts (GITs) of the Common Dolphinfish, Coryphaena Hippurus, from the Western Mediterranean Sea. Springer Water, 2020, , 240-244.	0.3	0
63	The Impact of Marine Litter in Marine Protected Areas (MPAs) in the Mediterranean Sea: How Can We Protect MPAs?. , 2020, , 117-128.		0