

Antonio Pusceddu

List of Publications by Year in descending order

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93
papers

3,801
citations

126907

33
h-index

138484

58
g-index

101
all docs

101
docs citations

101
times ranked

3813
citing authors

#	ARTICLE	IF	CITATIONS
1	Chronic and intensive bottom trawling impairs deep-sea biodiversity and ecosystem functioning. Proceedings of the National Academy of Sciences of the United States of America, 2014, 111, 8861-8866.	7.1	304
2	Biodiversity response to climate change in a warm deep sea. Ecology Letters, 2004, 7, 821-828.	6.4	164
3	Effects of fish farm waste on Posidonia oceanica meadows: Synthesis and provision of monitoring and management tools. Marine Pollution Bulletin, 2008, 56, 1618-1629.	5.0	142
4	Enzymatically hydrolyzable protein and carbohydrate sedimentary pools as indicators of the trophic state of detritus sink systems: A case study in a Mediterranean coastal lagoon. Estuaries and Coasts, 2003, 26, 641-650.	1.7	123
5	Climate Change and the Potential Spreading of Marine Mucilage and Microbial Pathogens in the Mediterranean Sea. PLoS ONE, 2009, 4, e7006.	2.5	123
6	Characteristics of the Mesophotic Megabenthic Assemblages of the Vercelli Seamount (North) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 542	2.5	123
7	Deep-sea ecosystem response to climate changes: the eastern Mediterranean case study. Trends in Ecology and Evolution, 2001, 16, 505-510.	8.7	117
8	Organic matter in sediments of canyons and open slopes of the Portuguese, Catalan, Southern Adriatic and Cretan Sea margins. Deep-Sea Research Part I: Oceanographic Research Papers, 2010, 57, 441-457.	1.4	116
9	Deep Coral Oases in the South Tyrrhenian Sea. PLoS ONE, 2012, 7, e49870.	2.5	98
10	Benthic Crustacean Digestion Can Modulate the Environmental Fate of Microplastics in the Deep Sea. Environmental Science & Technology, 2020, 54, 4886-4892.	10.0	96
11	Microplastics in the crustaceans Nephrops norvegicus and Aristeus antennatus: Flagship species for deep-sea environments?. Environmental Pollution, 2019, 255, 113107.	7.5	95
12	Organic matter composition of the continental shelf and bathyal sediments of the Cretan Sea (NE) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 542	3.2	91
13	Benthic microbial loop functioning in coastal lagoons: a comparative approach. Oceanologica Acta: European Journal of Oceanology - Revue Europeene De Oceanologie, 2003, 26, 27-38.	0.7	91
14	EFFECTS OF INTENSIVE MARICULTURE ON SEDIMENT BIOCHEMISTRY. , 2007, 17, 1366-1378.		90
15	Organic matter composition in coastal sediments at Terra Nova Bay (Ross Sea) during summer 1995. Polar Biology, 2000, 23, 288-293.	1.2	86
16	Total and hydrolizable particulate organic matter (carbohydrates, proteins and lipids) at a coastal station in Terra Nova Bay (Ross Sea, Antarctica). Polar Biology, 1998, 19, 125-132.	1.2	85
17	Biodiversity and ecosystem functioning in coastal lagoons: Does microbial diversity play any role?. Estuarine, Coastal and Shelf Science, 2007, 75, 4-12.	2.1	84
18	Short-term response of benthic bacteria and nanoflagellates to sediment resuspension: an experimental study. Chemistry and Ecology, 2004, 20, 107-121.	1.6	77

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19	Submarine canyons along the upper Sardinian slope (Central Western Mediterranean) as repositories for derelict fishing gears. <i>Marine Pollution Bulletin</i> , 2017, 123, 357-364.	5.0	74
20	Canyon conditions impact carbon flows in food webs of three sections of the Nazaré canyon. <i>Deep-Sea Research Part II: Topical Studies in Oceanography</i> , 2011, 58, 2461-2476.	1.4	71
21	Assessment of benthic trophic status of marine coastal ecosystems: Significance of meiofaunal rare taxa. <i>Estuarine, Coastal and Shelf Science</i> , 2011, 93, 420-430.	2.1	68
22	Large marine protected areas (LMPAs) in the Mediterranean Sea: The opportunity of the Adriatic Sea. <i>Marine Policy</i> , 2016, 68, 165-177.	3.2	60
23	Organic matter composition, metazoan meiofauna and nematode biodiversity in Mediterranean deep-sea sediments. <i>Deep-Sea Research Part II: Topical Studies in Oceanography</i> , 2009, 56, 755-762.	1.4	59
24	Fish-farm impact on metazoan meiofauna in the Mediterranean Sea: Analysis of regional vs. habitat effects. <i>Marine Environmental Research</i> , 2010, 69, 38-47.	2.5	58
25	Bioremediation of petroleum hydrocarbons in anoxic marine sediments: Consequences on the speciation of heavy metals. <i>Marine Pollution Bulletin</i> , 2009, 58, 1808-1814.	5.0	57
26	Species richness, species turnover and functional diversity in nematodes of the deep Mediterranean Sea: searching for drivers at different spatial scales. <i>Global Ecology and Biogeography</i> , 2014, 23, 24-39.	5.8	53
27	Prokaryote diversity and viral production in deep-sea sediments and seamounts. <i>Deep-Sea Research Part II: Topical Studies in Oceanography</i> , 2009, 56, 738-747.	1.4	52
28	Short-term variations in particulate matter flux in Terra Nova Bay, Ross Sea. <i>Antarctic Science</i> , 1997, 9, 143-149.	0.9	51
29	Biochemical composition of pico-, nano- and micro-particulate organic matter and bacterioplankton biomass in the oligotrophic Cretan Sea (NE Mediterranean). <i>Progress in Oceanography</i> , 2000, 46, 279-310.	3.2	50
30	Relationships between Meiofaunal Biodiversity and Prokaryotic Heterotrophic Production in Different Tropical Habitats and Oceanic Regions. <i>PLoS ONE</i> , 2014, 9, e91056.	2.5	44
31	Functional response to food limitation can reduce the impact of global change in the deep-sea benthos. <i>Global Ecology and Biogeography</i> , 2017, 26, 1008-1021.	5.8	40
32	Multiple spatial scale analyses provide new clues on patterns and drivers of deep-sea nematode diversity. <i>Deep-Sea Research Part II: Topical Studies in Oceanography</i> , 2013, 92, 97-106.	1.4	38
33	Origin, biochemical composition and vertical flux of particulate organic matter under the pack ice in Terra Nova Bay (Ross Sea, Antarctica) during late summer 1995. <i>Polar Biology</i> , 1999, 22, 124-132.	1.2	36
34	Biodiversity loss and turnover in alternative states in the Mediterranean Sea: a case study on meiofauna. <i>Scientific Reports</i> , 2016, 6, 34544.	3.3	36
35	Dumping to the abyss: single-use marine litter invading bathyal plains of the Sardinian margin (Tyrrhenian Sea). <i>Marine Pollution Bulletin</i> , 2018, 135, 845-851.	5.0	36
36	Meiofauna communities, nematode diversity and C degradation rates in seagrass (<i>Posidonia oceanica</i>) Tj ETQq0 0 0 rgBT /Overlock 10 T <i>Environmental Research</i> , 2016, 119, 88-99.	2.5	34

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37	Trophic status and meiofauna biodiversity in the Northern Adriatic Sea: Insights for the assessment of good environmental status. <i>Marine Environmental Research</i> , 2016, 113, 18-30.	2.5	34
38	Potential effects of an invasive seaweed (<i>Caulerpa cylindracea</i> , Sonder) on sedimentary organic matter and microbial metabolic activities. <i>Scientific Reports</i> , 2017, 7, 12113.	3.3	33
39	Seasonal Fluctuations in the Nutritional Value of Particulate Organic Matter in A Lagoon. <i>Chemistry and Ecology</i> , 1996, 13, 21-37.	1.6	32
40	Response of Benthic Protozoa and Thraustochytrid Protists to Fish Farm Impact in Seagrass (<i>Posidonia oceanica</i>) and Soft-Bottom Sediments. <i>Microbial Ecology</i> , 2005, 50, 268-276.	2.8	32
41	Perception and Communication of Seismic Risk: The 6 April 2009 L'Aquila Earthquake Case Study. <i>Earthquake Spectra</i> , 2012, 28, 159-183.	3.1	27
42	Microbial loop malfunctioning in the annual sea ice at Terra Nova Bay (Antarctica). <i>Polar Biology</i> , 2009, 32, 337-346.	1.2	26
43	Nematode biodiversity and benthic trophic state are simple tools for the assessment of the environmental quality in coastal marine ecosystems. <i>Ecological Indicators</i> , 2018, 95, 270-287.	6.3	26
44	Microplastic pollution in perch (<i>Perca fluviatilis</i> , Linnaeus 1758) from Italian south-alpine lakes. <i>Environmental Pollution</i> , 2021, 288, 117782.	7.5	25
45	Response of BITS (a benthic index based on taxonomic sufficiency) to water and sedimentary variables and comparison with other indices in three Adriatic lagoons. <i>Marine Ecology</i> , 2009, 30, 255-268.	1.1	24
46	Sediment Resuspension Effects on the Benthic Microbial Loop in Experimental Microcosms. <i>Microbial Ecology</i> , 2005, 50, 602-613.	2.8	23
47	Benthic microbial abundance and activities in an intensively trawled ecosystem (Thermaikos Gulf, Tj ETQq1 1 0.784314 rgBT/Overlo	1.8	23
48	Benthic foraminifera as tracers of brine production in the Storfjorden sea ice factory. <i>Biogeosciences</i> , 2020, 17, 1933-1953.	3.3	23
49	Organic matter contents and degradation in a highly trawled area during fresh particle inputs (Gulf) Tj ETQq1 1 0.784314 rgBT/Overlo	3.3	22
50	Do colonies of <i>Lytocarpia myriophyllum</i> , L. 1758 (Cnidaria, Hydrozoa) affect the biochemical composition and the meiofaunal diversity of surrounding sediments?. <i>Chemistry and Ecology</i> , 2015, 31, 1-21.	1.6	21
51	Belowground processes control the success of an invasive seaweed. <i>Journal of Ecology</i> , 2018, 106, 2082-2095.	4.0	20
52	Mediterranean rocky reefs in the Anthropocene: Present status and future concerns. <i>Advances in Marine Biology</i> , 2021, 89, 1-51.	1.4	20
53	Archaeal Diversity in Deep-Sea Sediments Estimated by Means of Different Terminal-Restriction Fragment Length Polymorphisms (T-RFLP) Protocols. <i>Current Microbiology</i> , 2009, 59, 356-361.	2.2	19
54	High Meiofaunal and Nematodes Diversity around Mesophotic Coral Oases in the Mediterranean Sea. <i>PLoS ONE</i> , 2013, 8, e66553.	2.5	19

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55	Bioavailable compounds in sinking particulate organic matter, Blanes Canyon, NW Mediterranean Sea: Effects of a large storm and sea surface biological processes. <i>Progress in Oceanography</i> , 2013, 118, 108-121.	3.2	17
56	Particle sources and downward fluxes in the eastern Fram strait under the influence of the west Spitsbergen current. <i>Deep-Sea Research Part I: Oceanographic Research Papers</i> , 2015, 103, 49-63.	1.4	17
57	Enhancing resistance and resilience to disasters with microfinance: Parallels with ecological trophic systems. <i>International Journal of Disaster Risk Reduction</i> , 2013, 4, 52-62.	3.9	16
58	Impact of historical sulfide mine tailings discharge on meiofaunal assemblages (Portmán Bay, Spain). <i>Journal of Environmental Monitoring</i> , 2007, 9, 107-116.	8.0	16
59	Ecosystem effects of dense water formation on deep Mediterranean Sea ecosystems: an overview. <i>Advances in Oceanography and Limnology</i> , 2010, 1, 67.	0.6	16
60	Ocean acidification alters meiobenthic assemblage composition and organic matter degradation rates in seagrass sediments. <i>Limnology and Oceanography</i> , 2020, 65, 37-50.	3.1	14
61	Potentially combined effect of the invasive seaweed <i>Caulerpa cylindracea</i> (Sonder) and sediment deposition rates on organic matter and meiofaunal assemblages. <i>Marine Environmental Research</i> , 2020, 159, 104966.	2.5	14
62	Exergy, ecosystem functioning and efficiency in a coastal lagoon: The role of auxiliary energy. <i>Estuarine, Coastal and Shelf Science</i> , 2009, 84, 227-236.	2.1	13
63	Meio- and macrofauna communities in three sandy beaches of the northern Adriatic Sea protected by artificial reefs. <i>Chemistry and Ecology</i> , 2013, 29, 181-195.	1.6	13
64	Organic carbon inputs to the sea bottom of the Mallorca continental slope. <i>Journal of Marine Systems</i> , 2015, 148, 142-151.	2.1	13
65	Changes in the Biochemical Composition of <i>Tetraselmis suecica</i> and <i>Isochrysis galbana</i> During Growth and Decay. <i>Chemistry and Ecology</i> , 1996, 12, 199-212.	1.6	12
66	Meiofaunal assemblages associated with scallop beds (<i>Adamussium colbecki</i>) in the coastal sediments of Terra Nova Bay (Ross Sea, Antarctica). <i>Antarctic Science</i> , 1999, 11, 415-418.	0.9	12
67	Particulate organic matter uptake rates of two benthic filter-feeders (<i>Sabella spallanzanii</i> and <i>Tectarius</i>) in a coastal lagoon. <i>Marine Pollution Bulletin</i> , 2007, 54, 622-625.	5.0	12
68	Trophic status of earthen ponds used for semi-intensive shrimp (<i>Litopenaeus stylirostris</i> , Stimpson, 1822). <i>Journal of Environmental Monitoring</i> , 2007, 9, 107-116.	2.5	12
69	Colonization of plastic debris by the long-lived precious red coral <i>Corallium rubrum</i> : New insights on the "plastic benefits" paradox. <i>Marine Pollution Bulletin</i> , 2021, 165, 112104.	5.0	11
70	European spiny lobster recovery from overfishing enhanced through active restocking in Fully Protected Areas. <i>Scientific Reports</i> , 2019, 9, 13025.	3.3	10
71	Shelf-life and labels: A cheap dating tool for seafloor macro litter? Insights from MEDITS surveys in Sardinian sea. <i>Marine Pollution Bulletin</i> , 2019, 141, 430-433.	5.0	10
72	Assessing the potential of marine Natura 2000 sites to produce ecosystem-wide effects in rocky reefs: A case study from Sardinia Island (Italy). <i>Aquatic Conservation: Marine and Freshwater Ecosystems</i> , 2019, 29, 537-545.	2.0	10

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73	Rivers of waste: Anthropogenic litter in intermittent Sardinian rivers, Italy (Central Mediterranean). <i>Environmental Pollution</i> , 2022, 302, 119073.	7.5	10
74	Organic matter pools, C turnover and meiofaunal biodiversity in the sediments of the western Spitsbergen deep continental margin, Svalbard Archipelago. <i>Deep-Sea Research Part I: Oceanographic Research Papers</i> , 2016, 107, 48-58.	1.4	8
75	Fragment quality and sediment organic loading regulate the survival of an invasive, clonal seaweed. <i>Biological Invasions</i> , 2018, 20, 1953-1959.	2.4	8
76	Intertidal benthic communities of two Chilean coastal islands (Santa María and Mocha, Southeastern) Tj ETQq0 0 0 rgBT /Overlock 10 T	1.6	7
77	Quantity and biochemical composition of particulate organic matter in a highly trawled area (Thermaikos Gulf, Eastern Mediterranean Sea). <i>Advances in Oceanography and Limnology</i> , 2015, 6, .	0.6	7
78	Sedimentary Organic Matter, Prokaryotes, and Meiofauna across a River-Lagoon-Sea Gradient. <i>Diversity</i> , 2020, 12, 189.	1.7	7
79	Implementation of the EU ecological flow policy in Italy with a focus on Sardinia. <i>Advances in Oceanography and Limnology</i> , 2020, 11, .	0.6	7
80	When the Eel Meets Dams: Larger Damsâ€™ Long-Term Impacts on <i>Anguilla anguilla</i> (L., 1758). <i>Frontiers in Environmental Science</i> , 0, 10, .	3.3	7
81	Biology, ecology and management perspectives of overexploited deposit-feeders sea cucumbers, with focus on <i>Holothuria tubulosa</i> (Gmelin, 1788). <i>Advances in Oceanography and Limnology</i> , 2021, 12, .	0.6	6
82	Foraging of the sea urchin <i>Paracentrotus lividus</i> (Lamarck, 1816) on invasive allochthonous and autochthonous algae. <i>Marine Environmental Research</i> , 2021, 170, 105428.	2.5	4
83	Meiobenthos in earthen ponds used for semi-intensive shrimp farming (New Caledonia, South Pacific). <i>Chemistry and Ecology</i> , 2012, 28, 506-523.	1.6	3
84	Small-scale distribution of metazoan meiofauna and sedimentary organic matter in subtidal sandy sediments (Mediterranean Sea). <i>Advances in Oceanography and Limnology</i> , 2019, 10, .	0.6	3
85	Geostatistical approach to investigate spatial patterns of the endangered fan mussel <i>Pinna nobilis</i> (Linnaeus, 1758). <i>Regional Studies in Marine Science</i> , 2019, 32, 100884.	0.7	3
86	Particulate organic matter release below melting sea ice (Terra Nova Bay, Ross Sea, Antarctica): Possible relationships with zooplankton. <i>Journal of Marine Systems</i> , 2021, 217, 103510.	2.1	3
87	Benthic foraminiferal assemblages in the Cap de Creus canyon and adjacent open slope: Potential influence of dense shelf water cascading and open-ocean convection. <i>Deep-Sea Research Part I: Oceanographic Research Papers</i> , 2018, 136, 31-43.	1.4	2
88	Environmental Status and Geomorphological Characterisation of Seven Black Coral Forests on the Sardinian Continental Shelf (NW Mediterranean Sea). <i>Biology</i> , 2022, 11, 732.	2.8	2
89	Where is the climate?. <i>Trends in Ecology and Evolution</i> , 2002, 17, 14.	8.7	1
90	Biochemical composition of a meso-bathyal lobster. <i>Chemistry and Ecology</i> , 2010, 26, 73-79.	1.6	1

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91	Sea Ice, 2nd edn. <i>Marine Ecology</i> , 2011, 32, 132-133.	1.1	1
92	Effects of Field Simulated Marine Heatwaves on Sedimentary Organic Matter Quantity, Biochemical Composition, and Degradation Rates. <i>Biology</i> , 2022, 11, 841.	2.8	1
93	Advances in limnological and oceanographic research in Italy: the history of the Italian Association of Limnology and Oceanography (AIOL). <i>Advances in Oceanography and Limnology</i> , 2010, 1, 1.	0.6	0