

Emanuela Fanelli

List of Publications by Year in descending order

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93
papers

2,977
citations

126907

33
h-index

197818

49
g-index

96
all docs

96
docs citations

96
times ranked

2928
citing authors

#	ARTICLE	IF	CITATIONS
1	Ecological variables for developing a global deep-ocean monitoring and conservation strategy. <i>Nature Ecology and Evolution</i> , 2020, 4, 181-192.	7.8	142
2	An ecosystem-based deep-ocean strategy. <i>Science</i> , 2017, 355, 452-454.	12.6	135
3	Tracking Fish Abundance by Underwater Image Recognition. <i>Scientific Reports</i> , 2018, 8, 13748.	3.3	106
4	Climate change, biological invasions, and the shifting distribution of Mediterranean fishes: A large-scale survey based on local ecological knowledge. <i>Global Change Biology</i> , 2019, 25, 2779-2792.	9.5	100
5	New High-Tech Flexible Networks for the Monitoring of Deep-Sea Ecosystems. <i>Environmental Science & Technology</i> , 2019, 53, 6616-6631.	10.0	93
6	Food web structure of deep-sea macrozooplankton and micronekton off the Catalan slope: Insight from stable isotopes. <i>Journal of Marine Systems</i> , 2011, 87, 79-89.	2.1	80
7	Dynamics of suprabenthos-zooplankton communities around the Balearic Islands (western) <i>Tj ETQq1 1 0.784314 rgBT /Overlock 10 T</i> 5 antennatus. <i>Journal of Marine Systems</i> , 2008, 71, 316-335.	2.1	77
8	Food-web structure and trophodynamics of mesopelagic "suprabenthic bathyal macrofauna of the Algerian Basin based on stable isotopes of carbon and nitrogen. <i>Deep-Sea Research Part I: Oceanographic Research Papers</i> , 2009, 56, 1504-1520.	1.4	76
9	Food web structure of the epibenthic and infaunal invertebrates on the Catalan slope (NW) <i>Tj ETQq1 1 0.784314 rgBT /Overlock 10 T</i> 5 <i>Papers</i> , 2011, 58, 98-109.	1.4	74
10	The distribution of megabenthic, invertebrate epifauna in the Balearic Basin (western Mediterranean) between 400 and 2300m: Environmental gradients influencing assemblages composition and biomass trends. <i>Journal of Sea Research</i> , 2009, 61, 244-257.	1.6	70
11	Food web structure and seasonality of slope megafauna in the NW Mediterranean elucidated by stable isotopes: Relationship with available food sources. <i>Journal of Sea Research</i> , 2013, 77, 53-69.	1.6	66
12	Monitoring the Prestige oil spill impacts on some key species of the Northern Iberian shelf. <i>Marine Pollution Bulletin</i> , 2006, 53, 332-349.	5.0	62
13	Resource partitioning among early colonizing <i>Siganus luridus</i> and native herbivorous fish in the Mediterranean: an integrated study based on gut-content analysis and stable isotope signatures. <i>Journal of the Marine Biological Association of the United Kingdom</i> , 2007, 87, 991-998.	0.8	58
14	Long-term changes in the composition and diversity of deep-slope megabenthos and trophic webs off Catalonia (western Mediterranean): Are trends related to climatic oscillations?. <i>Progress in Oceanography</i> , 2009, 82, 32-46.	3.2	57
15	Trophic webs of deep-sea megafauna on mainland and insular slopes of the NW Mediterranean: a comparison by stable isotope analysis. <i>Marine Ecology - Progress Series</i> , 2013, 490, 199-221.	1.9	55
16	Deep-sea macroplankton distribution (at 400 to 2300m) in the northwestern Mediterranean in relation to environmental factors. <i>Journal of Marine Systems</i> , 2013, 113-114, 75-87.	2.1	52
17	Influence of environmental variables on the spatio-temporal dynamics of benthic-pelagic assemblages in the middle slope of the Balearic Basin (NW Mediterranean). <i>Deep-Sea Research Part I: Oceanographic Research Papers</i> , 2012, 61, 84-99.	1.4	51
18	Spatial variations in feeding habits and trophic levels of two small pelagic fish species in the central Mediterranean Sea. <i>Marine Environmental Research</i> , 2016, 115, 65-77.	2.5	50

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19	Feeding habits of pandalid shrimps in the Alboran Sea (SW Mediterranean): influence of biological and environmental factors. <i>Marine Ecology - Progress Series</i> , 2004, 280, 227-238.	1.9	50
20	Environmental drivers of megafaunal assemblage composition and biomass distribution over mainland and insular slopes of the Balearic Basin (Western Mediterranean). <i>Deep-Sea Research Part I: Oceanographic Research Papers</i> , 2013, 78, 79-94.	1.4	49
21	Feeding habits of blackmouth catshark <i>Galeus melastomus</i> Rafinesque, 1810 and velvet belly lantern shark <i>Etmopterus spinax</i> (Linnaeus, 1758) in the western Mediterranean. <i>Journal of Applied Ichthyology</i> , 2009, 25, 83-93.	0.7	48
22	Cold-water coral <i>Madrepora oculata</i> in the eastern Ligurian Sea (NW Mediterranean): Historical and recent findings. <i>Aquatic Conservation: Marine and Freshwater Ecosystems</i> , 2017, 27, 965-975.	2.0	48
23	Temporal variations in the feeding habits and trophic levels of three deep-sea demersal fishes from the western Mediterranean Sea, based on stomach contents and stable isotope analyses. <i>Marine Ecology - Progress Series</i> , 2010, 402, 213-232.	1.9	46
24	Towards a marine strategy for the deep Mediterranean Sea: Analysis of current ecological status. <i>Marine Policy</i> , 2020, 112, 103781.	3.2	46
25	Spatio-temporal changes in gut contents and stable isotopes in two deep Mediterranean pandalids: influence on the reproductive cycle. <i>Marine Ecology - Progress Series</i> , 2008, 355, 219-233.	1.9	45
26	A temporal analysis on the dynamics of deep-sea macrofauna: Influence of environmental variability off Catalonia coasts (western Mediterranean). <i>Deep-Sea Research Part I: Oceanographic Research Papers</i> , 2011, 58, 323-337.	1.4	43
27	Decapod crustacean assemblages off the West coast of central Italy (western Mediterranean). <i>Scientia Marina</i> , 2007, 71, 19-28.	0.6	43
28	Isotopic composition of carbon and nitrogen of suprabenthic fauna in the NW Balearic Islands (western Mediterranean). <i>Journal of Marine Systems</i> , 2008, 71, 336-345.	2.1	42
29	Biomass gasification and in-bed contaminants removal: Performance of iron enriched Olivine and bauxite in a process of steam/O ₂ gasification. <i>Bioresource Technology</i> , 2012, 118, 187-194.	9.6	42
30	Towards an Ecosystem-Based Marine Spatial Planning in the deep Mediterranean Sea. <i>Science of the Total Environment</i> , 2020, 715, 136884.	8.0	42
31	Video Image Enhancement and Machine Learning Pipeline for Underwater Animal Detection and Classification at Cabled Observatories. <i>Sensors</i> , 2020, 20, 726.	3.8	40
32	Sewage pollution impact on Mediterranean rocky-reef fish assemblages. <i>Marine Environmental Research</i> , 2010, 69, 390-397.	2.5	38
33	Trophodynamics of suprabenthic fauna on coastal muddy bottoms of the southern Tyrrhenian Sea (western Mediterranean). <i>Journal of Sea Research</i> , 2009, 61, 174-187.	1.6	37
34	Trophic relationships at intrannual spatial and temporal scales of macro and megafauna around a submarine canyon off the Catalanian coast (western Mediterranean). <i>Journal of Sea Research</i> , 2010, 63, 180-190.	1.6	34
35	Depicting the novel Eastern Mediterranean food web: a stable isotopes study following Lessepsian fish invasion. <i>Biological Invasions</i> , 2015, 17, 2163-2178.	2.4	34
36	Deep-sea suprabenthos assemblages (Crustacea) off the Balearic Islands (western Mediterranean): Mesoscale variability in diversity and production. <i>Journal of Sea Research</i> , 2011, 65, 340-354.	1.6	33

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37	Annual rhythms of temporal niche partitioning in the Sparidae family are correlated to different environmental variables. <i>Scientific Reports</i> , 2019, 9, 1708.	3.3	32
38	Effects of preservation on the $\delta^{13}\text{C}$ and $\delta^{15}\text{N}$ values of deep sea macrofauna. <i>Journal of Experimental Marine Biology and Ecology</i> , 2010, 395, 93-97.	1.5	31
39	Distribution and diversity of open-ocean, near-bottom macroplankton in the western Mediterranean: Analysis at different spatio-temporal scales. <i>Deep-Sea Research Part I: Oceanographic Research Papers</i> , 2010, 57, 1485-1498.	1.4	30
40	Automated estimate of fish abundance through the autonomous imaging device GUARD1. <i>Measurement: Journal of the International Measurement Confederation</i> , 2018, 126, 72-75.	5.0	30
41	Diet and trophic level of scaldfish <i>Arnoglossus laterna</i> in the southern Tyrrhenian Sea (western Mediterranean): contrasting trawled versus untrawled areas. <i>Journal of the Marine Biological Association of the United Kingdom</i> , 2009, 89, 817-828.	0.8	29
42	Global Deep-Sea Biodiversity Research Trends Highlighted by Science Mapping Approach. <i>Frontiers in Marine Science</i> , 2020, 7, .	2.5	29
43	Trophic ecology of <i>Lampanyctus crocodilus</i> on north-west Mediterranean Sea slopes in relation to reproductive cycle and environmental variables. <i>Journal of Fish Biology</i> , 2014, 84, 1654-1688.	1.6	27
44	Faunal activity rhythms influencing early community succession of an implanted whale carcass offshore Sagami Bay, Japan. <i>Scientific Reports</i> , 2018, 8, 11163.	3.3	26
45	Temporal variations of zooplankton biomass in the Ligurian Sea inferred from long time series of ADCP data. <i>Ocean Science</i> , 2014, 10, 93-105.	3.4	24
46	Trophodynamic effects of trawling on the feeding ecology of pandora, <i>Pagellus erythrinus</i> , off the northern Sicily coast (Mediterranean Sea). <i>Marine and Freshwater Research</i> , 2010, 61, 408.	1.3	23
47	Nile damming as plausible cause of extinction and drop in abundance of deep-sea shrimp in the western Mediterranean over broad spatial scales. <i>Progress in Oceanography</i> , 2011, 91, 286-294.	3.2	22
48	Linking spatial distribution and feeding behavior of Atlantic horse mackerel (<i>Trachurus trachurus</i>) in the Strait of Sicily (Central Mediterranean Sea). <i>Journal of Sea Research</i> , 2017, 121, 47-58.	1.6	22
49	Detecting the occurrence of indigenous and non-indigenous megafauna through fishermen knowledge: A complementary tool to coastal and port surveys. <i>Marine Pollution Bulletin</i> , 2019, 147, 229-236.	5.0	21
50	Changes in deep-sea fish and crustacean communities at 1000-2200m in the Western Mediterranean after 25 years: Relation to hydro-climatic conditions. <i>Journal of Marine Systems</i> , 2015, 143, 138-153.	2.1	20
51	Effect of environmental variations on sharks and other top predators in the deep Mediterranean Sea over the last 60 years. <i>Climate Research</i> , 2013, 55, 239-251.	1.1	19
52	Food partitioning and diet temporal variation in two coexisting sparids, <i>Pagellus erythrinus</i> and <i>Pagellus acarne</i> . <i>Journal of Fish Biology</i> , 2011, 78, 869-900.	1.6	18
53	Meso-scale variability of coastal suprabenthic communities in the southern Tyrrhenian Sea (western) Tj ETQq1 1 0.784314 rgBT / Over 2.1 18		
54	The role of food availability in regulating the feeding dynamics and reproductive cycles of bathyal benthopelagic fish in the northwest Mediterranean slope. <i>Limnology and Oceanography</i> , 2014, 59, 1779-1794.	3.1	18

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55	Deep-sea litter in the Gulf of Cadiz (Northeastern Atlantic, Spain). <i>Marine Pollution Bulletin</i> , 2020, 153, 110969.	5.0	18
56	Abundance patterns at the invasion front: the case of <i>Siganus luridus</i> in Linosa (Strait of Sicily). <i>Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 70</i>	1.3	17
57	<i>Percnon gibbesi</i> (H. Milne Edwards, 1853) and <i>Callinectes sapidus</i> (Rathbun, 1896) in the Ligurian Sea: two additional invasive species detections made in collaboration with local fishermen. <i>BiolInvasions Records</i> , 2017, 6, 147-151.	1.1	17
58	Seasonal variations in the source of sea bottom organic matter off Catalonia coasts (western). <i>Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 627</i> 325-343.	1.7	16
59	Spatial variability of soft-bottom macrobenthic communities in northern Sicily (Western). <i>Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50</i> 113-125.	2.5	16
60	Deep-sea mobile megafauna of Mediterranean submarine canyons and open slopes: Analysis of spatial and bathymetric gradients. <i>Progress in Oceanography</i> , 2018, 168, 23-34.	3.2	16
61	Ecological video monitoring of Marine Protected Areas by underwater cabled surveillance cameras. <i>Marine Policy</i> , 2020, 119, 104052.	3.2	16
62	Assemblage structure and trophic ecology of deep-sea demersal cephalopods in the Balearic basin (NW). <i>Tj ETQq0 0 0 rgBT /Overlock 10</i> 1.3	1.3	15
63	Fish mitigate trophic depletion in marine cave ecosystems. <i>Scientific Reports</i> , 2018, 8, 9193.	3.3	15
64	Exo-Ocean Exploration with Deep-Sea Sensor and Platform Technologies. <i>Astrobiology</i> , 2020, 20, 897-915.	3.0	15
65	Identifying Priorities for the Protection of Deep Mediterranean Sea Ecosystems Through an Integrated Approach. <i>Frontiers in Marine Science</i> , 2021, 8, .	2.5	15
66	Spatial variability in the trophic ecology and biology of the deep-sea shrimp <i>Aristaeomorpha foliacea</i> in the Mediterranean Sea. <i>Deep-Sea Research Part I: Oceanographic Research Papers</i> , 2014, 87, 1-13.	1.4	14
67	Mesoscale variability in the trophic ecology of the European hake <i>Merluccius merluccius</i> in the Strait of Sicily. <i>Hydrobiologia</i> , 2018, 821, 57-72.	2.0	13
68	Tracing organic matter sources in a tropical lagoon of the Caribbean Sea. <i>Continental Shelf Research</i> , 2017, 148, 53-63.	1.8	12
69	Inertial bioluminescence rhythms at the Capo Passero (KM3NeT-Italia) site, Central Mediterranean Sea. <i>Scientific Reports</i> , 2017, 7, 44938.	3.3	12
70	Multiparametric monitoring of fish activity rhythms in an Atlantic coastal cabled observatory. <i>Journal of Marine Systems</i> , 2020, 212, 103424.	2.1	12
71	Assessing the effects of a trawling ban on diet and trophic level of hake, <i>Merluccius merluccius</i> , in the southern Tyrrhenian Sea. <i>Scientia Marina</i> , 2011, .	0.6	12
72	Small-scale differences in the distribution and population dynamics of pandalid shrimps in the western Mediterranean in relation to environmental factors. <i>Fisheries Research</i> , 2012, 119-120, 33-47.	1.7	11

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73	The rocky-reef fish assemblages of Malta and Lampedusa islands (Strait of Sicily, Mediterranean Sea): a visual census study in a changing biogeographical sector. <i>Journal of the Marine Biological Association of the United Kingdom</i> , 2013, 93, 2015-2026.	0.8	11
74	Towards Naples Ecological REsearch for Augmented Observatories (NEREA): The NEREA-Fix Module, a Stand-Alone Platform for Long-Term Deep-Sea Ecosystem Monitoring. <i>Sensors</i> , 2020, 20, 2911.	3.8	11
75	Trophic relationships between anchovy (<i>Engraulis encrasicolus</i>) and zooplankton in the Strait of Sicily (Central Mediterranean sea): a stable isotope approach. <i>Hydrobiologia</i> , 2018, 821, 41-56.	2.0	10
76	Automated Video Imaging System for Counting Deep-Sea Bioluminescence Organisms Events. , 2014, , .		9
77	Long-term decline in the trophic level of megafauna in the deep Mediterranean Sea: a stable isotopes approach. <i>Climate Research</i> , 2016, 67, 191-207.	1.1	9
78	Food web structure and trophodynamics of deep-sea plankton from the Bari Canyon and adjacent slope (Southern Adriatic, central Mediterranean Sea). <i>Progress in Oceanography</i> , 2019, 175, 92-104.	3.2	9
79	A multi-tissue approach to assess the effects of lipid extraction on the isotopic composition of deep-sea fauna. <i>Journal of Experimental Marine Biology and Ecology</i> , 2017, 497, 230-242.	1.5	6
80	Reply to: Ecological variables for deep-ocean monitoring must include microbiota and meiofauna for effective conservation. <i>Nature Ecology and Evolution</i> , 2021, 5, 30-31.	7.8	5
81	Seasonal trophic ecology of the invasive crab <i>Percnon gibbesi</i> (Brachyura, Plagusiidae) in the southwestern mediterranean: Insights from stomach contents and stable isotope analyses. <i>Marine Environmental Research</i> , 2022, 173, 105513.	2.5	5
82	Effects of Local Acidification on Benthic Communities at Shallow Hydrothermal Vents of the Aeolian Islands (Southern Tyrrhenian, Mediterranean Sea). <i>Biology</i> , 2022, 11, 321.	2.8	5
83	Megafaunal assemblages in deep-sea ecosystems of the Gulf of Cadiz, northeast Atlantic ocean. <i>Deep-Sea Research Part I: Oceanographic Research Papers</i> , 2022, 183, 103738.	1.4	5
84	Impact of hypersaline brines on benthic meio- and macrofaunal assemblages: A comparison from two desalination plants of the Mediterranean Sea. <i>Desalination</i> , 2022, 532, 115756.	8.2	5
85	Carbon and nitrogen isotopes to distinguish sources of sedimentary organic matter in a Caribbean estuary. <i>Isotopes in Environmental and Health Studies</i> , 2020, 56, 654-672.	1.0	4
86	Decapod crustaceans of Tyrrhenian Sea soft bottoms (central Mediterranean). <i>Crustaceana</i> , 2005, 78, 641-651.	0.3	3
87	Biological condition and trophic ecology of the deep-water shrimp <i>Aristaeomorpha foliacea</i> in the Levantine Sea (SW Turkey). <i>Mediterranean Marine Science</i> , 2015, 16, 103.	1.6	3
88	Spatial changes in community composition and food web structure of mesozooplankton across the Adriatic basin (Mediterranean Sea). <i>Biogeosciences</i> , 2022, 19, 1833-1851.	3.3	2
89	ClimateFish: A Collaborative Database to Track the Abundance of Selected Coastal Fish Species as Candidate Indicators of Climate Change in the Mediterranean Sea. <i>Frontiers in Marine Science</i> , 0, 9, .	2.5	2
90	Investigating the mediterranean by seafloor observations: The eastern branch of the EMSO Ligurian Sea node. , 2015, , .		1

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91	Parameters identification for scroll expander semi-empirical model by using genetic algorithm. Energy Procedia, 2018, 148, 736-743.	1.8	1
92	Heat exchanger design and optimization by using genetic algorithm for externally fired micro-turbine. Energy Procedia, 2018, 148, 720-727.	1.8	1
93	Marine Biology. Biodiversity and Functioning of Marine Ecosystems: Scientific Advancements and New Perspectives for Preserving Marine Life. , 2020, , 447-462.		1