

Simonetta Fraschetti

List of Publications by Year in descending order

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Version: 2024-02-01

120
papers

7,742
citations

50244

46
h-index

58549

82
g-index

126
all docs

126
docs citations

126
times ranked

7521
citing authors

#	ARTICLE	IF	CITATIONS
1	Exponential Decline of Deep-Sea Ecosystem Functioning Linked to Benthic Biodiversity Loss. <i>Current Biology</i> , 2008, 18, 1-8.	1.8	641
2	Cumulative Human Impacts on Mediterranean and Black Sea Marine Ecosystems: Assessing Current Pressures and Opportunities. <i>PLoS ONE</i> , 2013, 8, e79889.	1.1	413
3	A three-year time series of elemental and biochemical composition of organic matter in subtidal sandy sediments of the Ligurian Sea (northwestern Mediterranean). <i>Continental Shelf Research</i> , 1995, 15, 1453-1469.	0.9	278
4	The Structure of Mediterranean Rocky Reef Ecosystems across Environmental and Human Gradients, and Conservation Implications. <i>PLoS ONE</i> , 2012, 7, e32742.	1.1	275
5	Seagrass meadows (<i>Posidonia oceanica</i>) distribution and trajectories of change. <i>Scientific Reports</i> , 2015, 5, 12505.	1.6	246
6	Patterns of distribution of marine assemblages from rocky shores: evidence of relevant scales of variation. <i>Marine Ecology - Progress Series</i> , 2005, 296, 13-29.	0.9	242
7	Human-driven impacts on marine habitats: A regional meta-analysis in the Mediterranean Sea. <i>Biological Conservation</i> , 2010, 143, 2195-2206.	1.9	198
8	“Double trouble”: the expansion of the Suez Canal and marine bioinvasions in the Mediterranean Sea. <i>Biological Invasions</i> , 2015, 17, 973-976.	1.2	170
9	Marine heatwaves drive recurrent mass mortalities in the Mediterranean Sea. <i>Global Change Biology</i> , 2022, 28, 5708-5725.	4.2	144
10	Mediterranean Bioconstructions Along the Italian Coast. <i>Advances in Marine Biology</i> , 2018, 79, 61-136.	0.7	142
11	Multivariate and univariate asymmetrical analyses in environmental impact assessment: a case study of Mediterranean subtidal sessile assemblages. <i>Marine Ecology - Progress Series</i> , 2005, 289, 27-42.	0.9	141
12	A review of the combined effects of climate change and other local human stressors on the marine environment. <i>Science of the Total Environment</i> , 2021, 755, 142564.	3.9	131
13	Coralligenous and macroalgal habitats: predictive modelling to identify their spatial distributions across the Mediterranean Sea. <i>Scientific Reports</i> , 2014, 4, .	1.6	128
14	Taxonomic sufficiency and the increasing insufficiency of taxonomic expertise. <i>Marine Pollution Bulletin</i> , 2003, 46, 556-561.	2.3	127
15	Setting Priorities for Regional Conservation Planning in the Mediterranean Sea. <i>PLoS ONE</i> , 2013, 8, e59038.	1.1	120
16	Global Warming and Mass Mortalities of Benthic Invertebrates in the Mediterranean Sea. <i>PLoS ONE</i> , 2014, 9, e115655.	1.1	119
17	Differential responses of bacteria, meiofauna and macrofauna in a shelf area (Ligurian Sea, NW) Tj ETQq1 1 0.784314 rgBT /Overlock 10	0.6	118
18	Spatial variability and human disturbance in shallow subtidal hard substrate assemblages: a regional approach. <i>Marine Ecology - Progress Series</i> , 2001, 212, 1-12.	0.9	115

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19	Environmental impact of antifouling technologies: state of the art and perspectives. <i>Aquatic Conservation: Marine and Freshwater Ecosystems</i> , 2001, 11, 311-317.	0.9	112
20	Beta diversity and taxonomic sufficiency: Do higher-level taxa reflect heterogeneity in species composition?. <i>Diversity and Distributions</i> , 2009, 15, 450-458.	1.9	110
21	Collaborative Database to Track Mass Mortality Events in the Mediterranean Sea. <i>Frontiers in Marine Science</i> , 2019, 6, .	1.2	104
22	Scales of spatial variation in Mediterranean subtidal sessile assemblages at different depths. <i>Marine Ecology - Progress Series</i> , 2007, 332, 25-39.	0.9	102
23	Distribution patterns of sea urchins and barrens in shallow Mediterranean rocky reefs impacted by the illegal fishery of the rock-boring mollusc <i>Lithophaga lithophaga</i> . <i>Marine Biology</i> , 2003, 143, 1135-1142.	0.7	98
24	EFFECTS OF INTENSIVE MARICULTURE ON SEDIMENT BIOCHEMISTRY. , 2007, 17, 1366-1378.		90
25	Taxonomic relatedness does not matter for species surrogacy in the assessment of community responses to environmental drivers. <i>Journal of Applied Ecology</i> , 2012, 49, 357-366.	1.9	81
26	Structural and functional response of meiofauna rocky assemblages to sewage pollution. <i>Marine Pollution Bulletin</i> , 2006, 52, 540-548.	2.3	79
27	Pre- and post-settlement events in benthic community dynamics. <i>Oceanologica Acta: European Journal of Oceanology - Revue Europeene De Oceanologie</i> , 2002, 25, 285-295.	0.7	77
28	Coastal fish indicate human-induced changes in the Mediterranean littoral. <i>Marine Environmental Research</i> , 2002, 53, 77-94.	1.1	76
29	Incorporating change in marine spatial planning: A review. <i>Environmental Science and Policy</i> , 2019, 92, 191-200.	2.4	73
30	Spatial and temporal variability of sessile benthos in shallow Mediterranean marine caves. <i>Marine Ecology - Progress Series</i> , 2006, 325, 109-119.	0.9	73
31	The effects of sewage discharge on shallow hard substrate sessile assemblages. <i>Marine Pollution Bulletin</i> , 2002, 44, 544-550.	2.3	71
32	How many habitats are there in the sea (and where)?. <i>Journal of Experimental Marine Biology and Ecology</i> , 2008, 366, 109-115.	0.7	71
33	A fast-moving target: achieving marine conservation goals under shifting climate and policies. <i>Ecological Applications</i> , 2020, 30, e02009.	1.8	71
34	Quantifying effects of pollution on biodiversity: a case study of highly diverse molluscan assemblages in the Mediterranean. <i>Marine Biology</i> , 2005, 148, 293-305.	0.7	69
35	How good is your marine protected area at curbing threats?. <i>Biological Conservation</i> , 2018, 221, 237-245.	1.9	69
36	Marine Protected Areas in the Mediterranean Sea: Objectives, Effectiveness and Monitoring. <i>Marine Ecology</i> , 2002, 23, 190-200.	0.4	65

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37	Conservation of Mediterranean seascapes: analyses of existing protection schemes. <i>Marine Environmental Research</i> , 2005, 59, 309-332.	1.1	60
38	Trophic importance of subtidal metazoan meiofauna: evidence from in situ exclusion experiments on soft and rocky substrates. <i>Marine Biology</i> , 2007, 152, 339-350.	0.7	60
39	Looking for hotspots of marine metacommunity connectivity: a methodological framework. <i>Scientific Reports</i> , 2016, 6, 23705.	1.6	58
40	Meiofaunal vertical zonation on hard-bottoms: comparison with soft-bottom meiofauna. <i>Marine Ecology - Progress Series</i> , 2002, 230, 159-169.	0.9	58
41	Spatio-temporal variation of hydroids and polychaetes associated with <i>Cystoseira amentacea</i> (Fucales): Tj ETQq1 10,784314,rgBT / Over	0.7	57
42	Changes in Mediterranean rocky-reef fish assemblages exposed to sewage pollution. <i>Marine Ecology - Progress Series</i> , 2003, 253, 269-278.	0.9	57
43	Effects of offshore platforms on soft-bottom macro-benthic assemblages: A case study in a Mediterranean gas field. <i>Marine Pollution Bulletin</i> , 2008, 56, 1303-1309.	2.3	56
44	Design of marine protected areas in a human-dominated seascape. <i>Marine Ecology - Progress Series</i> , 2009, 375, 13-24.	0.9	55
45	Ecosystem vulnerability to alien and invasive species: a case study on marine habitats along the Italian coast. <i>Aquatic Conservation: Marine and Freshwater Ecosystems</i> , 2016, 26, 392-409.	0.9	55
46	Threats to marine biodiversity in European protected areas. <i>Science of the Total Environment</i> , 2019, 677, 418-426.	3.9	54
47	Temporal stability of European rocky shore assemblages: variation across a latitudinal gradient and the role of habitat-formers. <i>Oikos</i> , 2012, 121, 1801-1809.	1.2	53
48	Biodiversity data requirements for systematic conservation planning in the Mediterranean Sea. <i>Marine Ecology - Progress Series</i> , 2014, 508, 261-281.	0.9	51
49	Taxonomic sufficiency in the detection of natural and human-induced changes in marine assemblages: A comparison of habitats and taxonomic groups. <i>Marine Pollution Bulletin</i> , 2009, 58, 1850-1859.	2.3	50
50	Large-Scale Spatial Distribution Patterns of Echinoderms in Nearshore Rocky Habitats. <i>PLoS ONE</i> , 2010, 5, e13845.	1.1	49
51	Global environmental changes: setting priorities for Latin American coastal habitats. <i>Global Change Biology</i> , 2013, 19, 1965-1969.	4.2	48
52	Space invaders; biological invasions in marine conservation planning. <i>Diversity and Distributions</i> , 2016, 22, 1220-1231.	1.9	48
53	The distribution of hydroids (Cnidaria, Hydrozoa) from micro- to macro-scale: Spatial patterns on habitat-forming algae. <i>Journal of Experimental Marine Biology and Ecology</i> , 2006, 339, 148-158.	0.7	46
54	Protection Enhances Community and Habitat Stability: Evidence from a Mediterranean Marine Protected Area. <i>PLoS ONE</i> , 2013, 8, e81838.	1.1	45

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55	Large-Scale Variation in Combined Impacts of Canopy Loss and Disturbance on Community Structure and Ecosystem Functioning. PLoS ONE, 2013, 8, e66238.	1.1	45
56	Light and Shade in Marine Conservation Across European and Contiguous Seas. Frontiers in Marine Science, 2018, 5, .	1.2	44
57	Twelve Recommendations for Advancing Marine Conservation in European and Contiguous Seas. Frontiers in Marine Science, 2020, 7, .	1.2	44
58	Human activities and resultant pressures on key European marine habitats: An analysis of mapped resources. Marine Policy, 2018, 98, 1-10.	1.5	42
59	Polychaete assemblages along a rocky shore on the South Adriatic coast (Mediterranean Sea): patterns of spatial distribution. Marine Biology, 2003, 143, 1109-1116.	0.7	41
60	Low sensitiveness of taxonomic distinctness indices to human impacts: Evidences across marine benthic organisms and habitat types. Ecological Indicators, 2011, 11, 448-455.	2.6	39
61	Mitigating human disturbance: can protection influence trajectories of recovery in benthic assemblages?. Journal of Animal Ecology, 2006, 75, 908-920.	1.3	38
62	Combined impacts of natural and human disturbances on rocky shore communities. Ocean and Coastal Management, 2016, 126, 42-50.	2.0	37
63	The Challenge of Planning Conservation Strategies in Threatened Seascapes: Understanding the Role of Fine Scale Assessments of Community Response to Cumulative Human Pressures. PLoS ONE, 2016, 11, e0149253.	1.1	37
64	Conservation of Mediterranean habitats and biodiversity countdowns: what information do we really need?. Aquatic Conservation: Marine and Freshwater Ecosystems, 2011, 21, 299-306.	0.9	35
65	A comparison of the degree of implementation of marine biodiversity indicators by European countries in relation to the Marine Strategy Framework Directive (MSFD). Journal of the Marine Biological Association of the United Kingdom, 2015, 95, 1519-1531.	0.4	35
66	Advancing marine conservation in European and contiguous seas with the MarCons Action. Research Ideas and Outcomes, 0, 3, e11884.	1.0	35
67	Meiofauna communities, nematode diversity and C degradation rates in seagrass (<i>Posidonia oceanica</i>) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf, 50 142 Td Environmental Research, 2016, 119, 88-99.	1.1	34
68	Potential effects of an invasive seaweed (<i>Caulerpa cylindracea</i> , Sonder) on sedimentary organic matter and microbial metabolic activities. Scientific Reports, 2017, 7, 12113.	1.6	33
69	Modeling Macroalgal Forest Distribution at Mediterranean Scale: Present Status, Drivers of Changes and Insights for Conservation and Management. Frontiers in Marine Science, 2020, 7, .	1.2	33
70	Effects of Unplanned Development on Marine Biodiversity: A Lesson from Albania (Central) Tj ETQq0 0 0 rgBT /Overlock 10 Tf, 50 142 Td	0.1	31
71	Spatial synchronies in the seasonal occurrence of larvae of oysters (<i>Crassostrea gigas</i>) and mussels (<i>Mytilus edulis/galloprovincialis</i>) in European coastal waters. Estuarine, Coastal and Shelf Science, 2012, 108, 52-63.	0.9	31
72	Habitat mapping in the European Seas - is it fit for purpose in the marine restoration agenda?. Marine Policy, 2019, 106, 103521.	1.5	31

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73	A regional assessment of cumulative impact mapping on Mediterranean coralligenous outcrops. <i>Scientific Reports</i> , 2018, 8, 1757.	1.6	30
74	A Roadmap for the Restoration of Mediterranean Macroalgal Forests. <i>Frontiers in Marine Science</i> , 2021, 8, .	1.2	30
75	Increasing heterogeneity of sensitive assemblages as a consequence of human impact in submarine caves. <i>Marine Biology</i> , 2012, 159, 1155-1164.	0.7	28
76	Association of <i>Vibrio</i> community with the Atlantic Mediterranean invasive alga <i>Caulerpa cylindracea</i> . <i>Journal of Experimental Marine Biology and Ecology</i> , 2016, 475, 129-136.	0.7	28
77	Habitat Features and Their Influence on the Restoration Potential of Marine Habitats in Europe. <i>Frontiers in Marine Science</i> , 2020, 7, .	1.2	27
78	From biodiversity and ecosystem functioning to the roots of ecological complexity. <i>Ecological Complexity</i> , 2004, 1, 101-109.	1.4	26
79	An Explorative Assessment of the Importance of Mediterranean Coralligenous Habitat to Local Economy: The Case of Recreational Diving. <i>Journal of Environmental Accounting and Management</i> , 2017, 5, 315-325.	0.3	26
80	The Status of Coastal Benthic Ecosystems in the Mediterranean Sea: Evidence From Ecological Indicators. <i>Frontiers in Marine Science</i> , 2020, 7, .	1.2	25
81	Where Is More Important Than How in Coastal and Marine Ecosystems Restoration. <i>Frontiers in Marine Science</i> , 2021, 8, .	1.2	25
82	Effects of Natural and Anthropogenic Stressors on Fucal Brown Seaweeds Across Different Spatial Scales in the Mediterranean Sea. <i>Frontiers in Marine Science</i> , 2021, 8, .	1.2	25
83	The alien species <i>Caulerpa cylindracea</i> and its associated bacteria in the Mediterranean Sea. <i>Marine Biology</i> , 2016, 163, 1.	0.7	24
84	Effects of Desertification Caused by <i>Lithophaga lithophaga</i> (Mollusca) Fishery on Littoral Fish Assemblages along Rocky Coasts of Southeastern Italy. <i>Conservation Biology</i> , 2004, 18, 1417-1423.	2.4	22
85	Grazer removal and nutrient enrichment as recovery enhancers for overexploited rocky subtidal habitats. <i>Oecologia</i> , 2014, 175, 959-970.	0.9	22
86	Are we ready for scaling up restoration actions? An insight from Mediterranean macroalgal canopies. <i>PLoS ONE</i> , 2019, 14, e0224477.	1.1	22
87	The date mussel <i>Lithophaga lithophaga</i> : Biology, ecology and the multiple impacts of its illegal fishery. <i>Science of the Total Environment</i> , 2020, 744, 140866.	3.9	22
88	Settlement and Recruitment. <i>Ecological Studies</i> , 2009, , 177-190.	0.4	21
89	The Potential Exploitation of the Mediterranean Invasive Alga <i>Caulerpa cylindracea</i> : Can the Invasion Be Transformed into a Gain?. <i>Marine Drugs</i> , 2016, 14, 210.	2.2	21
90	Mediterranean rocky reefs in the Anthropocene: Present status and future concerns. <i>Advances in Marine Biology</i> , 2021, 89, 1-51.	0.7	20

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91	The use of taxonomic distinctness indices in assessing patterns of biodiversity in modular organisms. <i>Marine Ecology</i> , 2009, 30, 151-163.	0.4	19
92	Data integration for European marine biodiversity research: creating a database on benthos and plankton to study large-scale patterns and long-term changes. <i>Hydrobiologia</i> , 2010, 644, 1-13.	1.0	19
93	Advancing marine conservation planning in the Mediterranean Sea. <i>Reviews in Fish Biology and Fisheries</i> , 2012, 22, 943-949.	2.4	19
94	Spatial distribution of the culturable bacterial community associated with the invasive alga <i>Caulerpa cylindracea</i> in the Mediterranean Sea. <i>Marine Environmental Research</i> , 2017, 125, 90-98.	1.1	19
95	Large-Scale Sea Urchin Culling Drives the Reduction of Subtidal Barren Grounds in the Mediterranean Sea. <i>Frontiers in Marine Science</i> , 2020, 7, .	1.2	19
96	Population ecology and production of <i>Bittium latreillii</i> (Gastropoda, Cerithidae) in a <i>Posidonia oceanica</i> seagrass bed. <i>Italian Journal of Zoology</i> , 2002, 69, 215-222.	0.6	18
97	Effects of a glyphosate-based herbicide on <i>Fucus virsoides</i> (Fucales, Ochrophyta) photosynthetic efficiency. <i>Environmental Pollution</i> , 2018, 243, 912-918.	3.7	18
98	Rhodolith Beds Heterogeneity along the Apulian Continental Shelf (Mediterranean Sea). <i>Journal of Marine Science and Engineering</i> , 2020, 8, 813.	1.2	18
99	A salp bloom (Tunicata, Thaliacea) along the Apulian coast and in the Otranto Channel between March-May 2013. <i>F1000Research</i> , 2013, 2, 181.	0.8	18
100	Idiosyncratic effects of protection in a remote marine reserve. <i>Marine Ecology - Progress Series</i> , 2012, 466, 21-34.	0.9	18
101	Life Cycle, Growth and Secondary Production in a Brackish Water Population of the Polychaete <i>Notomastus latericeus</i> (Capitellidae) in the Mediterranean Sea. <i>Marine Ecology</i> , 1993, 14, 313-327.	0.4	16
102	Relationships between biodiversity and the stability of marine ecosystems: Comparisons at a European scale using meta-analysis. <i>Journal of Sea Research</i> , 2015, 98, 5-14.	0.6	16
103	A population genomics insight by 2bâ€RAD reveals populations' uniqueness along the Italian coastline in <i>Leptopsammia pruvoti</i> (Scleractinia, Dendrophylliidae). <i>Diversity and Distributions</i> , 2019, 25, 1101-1117.	1.9	16
104	An integrated assessment of the Good Environmental Status of Mediterranean Marine Protected Areas. <i>Journal of Environmental Management</i> , 2022, 305, 114370.	3.8	16
105	Have climate changes driven the diversity of a Mediterranean coralligenous sponge assemblage on a millennial timescale?. <i>Palaeogeography, Palaeoclimatology, Palaeoecology</i> , 2017, 487, 355-363.	1.0	15
106	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.	1.1	14
107	MANAGEMENT â€“ Transitioning from single-sector management to ecosystem-based management: what can marine protected areas offer?. , 2011, , 11-34.		13
108	Impact of offshore gas platforms on the structural and functional biodiversity of nematodes. <i>Marine Environmental Research</i> , 2016, 115, 56-64.	1.1	13

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109	The Cells of Ecosystem Functioning: Towards a holistic vision of marine space. <i>Advances in Marine Biology</i> , 2019, 82, 129-153.	0.7	13
110	Local recruitment differences in <i>Platynereis dumerilii</i> (Polychaeta, Nereididae) and their consequences for population structure. <i>Italian Journal of Zoology</i> , 2002, 69, 133-139.	0.6	12
111	Local vs regional effects of substratum on early colonization stages of sessile assemblages. <i>Biofouling</i> , 2009, 25, 593-604.	0.8	12
112	Geographic distance, water circulation and environmental conditions shape the biodiversity of Mediterranean rocky coasts. <i>Marine Ecology - Progress Series</i> , 2016, 553, 1-11.	0.9	12
113	Can we preserve and restore overlooked macroalgal forests?. <i>Science of the Total Environment</i> , 2022, 806, 150855.	3.9	12
114	Spatio-temporal variability in fish assemblages associated with coralligenous formations in south eastern Apulia (SE Italy). <i>Italian Journal of Zoology</i> , 2002, 69, 325-331.	0.6	11
115	Anomalies of the upper water column in the Mediterranean Sea. <i>Global and Planetary Change</i> , 2017, 151, 68-79.	1.6	11
116	Mathematical Modeling of Hot Tearing in the Solidification of Continuously Cast Round Billets. <i>Metallurgical and Materials Transactions B: Process Metallurgy and Materials Processing Science</i> , 2010, 41, 1293-1309.	1.0	10
117	Highly restricted dispersal in habitat-forming seaweed may impede natural recovery of disturbed populations. <i>Scientific Reports</i> , 2021, 11, 16792.	1.6	9
118	A hazardous place to live: spatial and temporal patterns of species introduction in a hot spot of biological invasions. <i>Biological Invasions</i> , 2017, 19, 2277-2290.	1.2	7
119	The life cycle of <i>Laodicea indica</i> (Laodiceidae, Leptomedusae, Cnidaria). <i>Hydrobiologia</i> , 1991, 216-217, 151-157.	1.0	6
120	Species Interactions and Regime Shifts in Intertidal and Subtidal Rocky Reefs of the Mediterranean Sea. , 2019, , 190-213.		3