Patrizio Mariani

List of Publications by Year
in descending order

45 papers	1,416 citations	361045 20 h-index	344852 36 g-index
48 all docs	48 docs citations	48 times ranked	2332 citing authors

#	Article	IF	Citations
1	A Dark Hole in Our Understanding of Marine Ecosystems and Their Services: Perspectives from the Mesopelagic Community. Frontiers in Marine Science, 2016, 3, .	1.2	180
2	Ontogenetic development of migration: Lagrangian drift trajectories suggest a new paradigm for sea turtles. Journal of the Royal Society Interface, 2010, 7, 1319-1327.	1.5	165
3	Comparative ecology of widely distributed pelagic fish species in the North Atlantic: Implications for modelling climate and fisheries impacts. Progress in Oceanography, 2014, 129, 219-243.	1.5	97
4	Microplastic does not magnify the acute effect of PAH pyrene on predatory performance of a tropical fish (Lates calcarifer). Aquatic Toxicology, 2018, 198, 287-293.	1.9	78
5	Route optimisation and solving <scp>Z</scp>ermelo's navigation problem during long distance migration in cross flows. Ecology Letters, 2014, 17, 137-143.	3.0	72
6	Swimming in turbulence: zooplankton fitness in terms of foraging efficiency and predation risk. Journal of Plankton Research, 2008, 31, 121-133.	0.8	68
7	Range-Gated Imaging System for Underwater Monitoring in Ocean Environment. Sustainability, 2019, 11, 162.	1.6	50
8	Modelling retention and dispersion mechanisms of bluefin tuna eggs and larvae in the northwest Mediterranean Sea. Progress in Oceanography, 2010, 86, 45-58.	1.5	46
9	The first â€˜lost yearâ€™ of Mediterranean sea turtles: dispersal patterns indicate subregional management units for conservation. Marine Ecology - Progress Series, 2014, 498, 263-274.	0.9	46
10	Control of plankton seasonal succession by adaptive grazing. Limnology and Oceanography, 2013, 58, 173-184.	1.6	45
11	Seasonal succession in zooplankton feeding traits reveals trophic trait coupling. Limnology and Oceanography, 2017, 62, 1184-1197.	1.6	45
12	IN13 Backscattering Spectrometer at ILL: Looking for Motions in Biological Macromolecules and Organisms. Neutron News, 2008, 19, 14-18.	0.1	43
13	Fishing out collective memory of migratory schools. Journal of the Royal Society Interface, 2014, 11, 20140043.	1.5	35
14	A Sustainability Index of potential co-location of offshore wind farms and open water aquaculture. Ocean and Coastal Management, 2014, 95, 213-218.	2.0	34
15	Spawning of Bluefin Tuna in the Black Sea: Historical Evidence, Environmental Constraints and Population Plasticity. PLoS ONE, 2012, 7, e39998.	1.1	29
16	Boom and Bust: Life History, Environmental Noise, and the (un)Predictability of Jellyfish Blooms. Frontiers in Marine Science, 2018, 5, .	1.2	26
17	The migration game in habitat network: the case of tuna. Theoretical Ecology, 2016, 9, 219-232.	0.4	25
18	pPOM: A nested, scalable, parallel and Fortran 90 implementation of the Princeton Ocean Model. Environmental Modelling and Software, 2007, 22, 117-122.	1.9	24

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19	Sustainable use of marine resources through offshore wind and mussel farm co-location. Ecological Modelling, 2018, 367, 34-41.	1.2	24
20	Optimization and emergence in marine ecosystem models. Progress in Oceanography, 2010, 84, 89-92.	1.5	22
21	A Conceptual Framework for Developing the Next Generation of Marine OBservatories (MOBs) for Science and Society. Frontiers in Marine Science, 2018, 5, .	1.2	22
22	Analysis of self-overlap reveals trade-offs in plankton swimming trajectories. Journal of the Royal Society Interface, 2014, 11, 20140164.	1.5	21
23	Individual-based simulations of larval fish feeding in turbulent environments. Marine Ecology - Progress Series, 2007, 347, 155-169.	0.9	21
24	Adaptive behaviour, tri-trophic food-web stability and damping of chaos. Journal of the Royal Society Interface, 2012, 9, 1373-1380.	1.5	18
25	Larval growth in the dominant polychaete Polydora ciliata is food-limited in a eutrophic Danish estuary (Isefjord). Marine Ecology - Progress Series, 2010, 407, 99-110.	0.9	16
26	The global susceptibility of coastal forage fish to competition by large jellyfish. Proceedings of the Royal Society B: Biological Sciences, 2016, 283, 20161931.	1.2	15
27	Trophic impact of Atlantic bluefin tuna migrations in the North Sea. ICES Journal of Marine Science, 2017, 74, 1552-1560.	1.2	14
28	A Deep Learning Approach to Assist Sustainability of Demersal Trawling Operations. Sustainability, 2021, 13, 12362.	1.6	13
29	A generic framework for individual-based modelling and physical-biological interaction. PLoS ONE, 2018, 13, e0189956.	1.1	12
30	Collaborative Automation and IoT Technologies for Coastal Ocean Observing Systems. Frontiers in Marine Science, 2021, 8, .	1.2	11
31	Towards sustainable demersal fisheries: NepCon image acquisition system for automatic Nephrops norvegicus detection. PLoS ONE, 2021, 16, e0252824.	1.1	10
32	A sustainability index for offshore wind farms and open water aquaculture. WIT Transactions on Ecology and the Environment, 2011, , .	0.0	10
33	A numerical investigation of the impact of turbulence on the feeding rates of Oithona davisae. Journal of Marine Systems, 2008, 70, 273-286.	0.9	9
34	Dynamics of phytoplankton blooms in turbulent vortex cells. Journal of the Royal Society Interface, 2017, 14, 20170453.	1.5	9
35	Optimal navigation and behavioural traits in oceanic migrations. Theoretical Ecology, 2020, 13, 583-593.	0.4	9
36	An object-oriented model for the prediction of turbulence effects on plankton. Deep-Sea Research Part II: Topical Studies in Oceanography, 2005, 52, 1287-1307.	0.6	8

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37	Modeling dispersal and spatial connectivity of macro-invertebrates in Danish waters: An agent-based approach. Regional Studies in Marine Science, 2018, 20, 45-59.	0.4	6
38	Evolution of Complex Asexual Reproductive Strategies in Jellyfish. American Naturalist, 2018, 192, 72-80.	1.0	5
39	Seasonal strategies in the world's oceans. Progress in Oceanography, 2020, 189, 102466.	1.5	4
40	Mobile and Delay Tolerant Network for LoRa at Sea. , 2020, , .		4
41	On the missing link in ecology: improving communication between modellers and experimentalists. Oikos, 2017, 126, 1071-1077.	1.2	3
42	Jellyfish Identification Software for Underwater Laser Cameras (JTRACK). Research Ideas and Outcomes, 0, 4, e24716.	1.0	3
43	Fish Assemblages in Seagrass (Zostera marina L.) Meadows and Mussel Reefs (Mytilus edulis): Implications for Coastal Fisheries, Restoration and Marine Spatial Planning. Water (Switzerland), 2021, 13, 3268.	1.2	2
44	Monitoring and Ming Bio-Physical Parameters for Hypoxia Hazard in a Coastal Sand Pit. Sustainability, 2018, 10, 785.	1.6	1
45	Correction: 'Analysis of self-overlap reveals trade-offs in plankton swimming trajectories'. Journal of the Royal Society Interface, 2014, 11, 20140479.	1.5	0