

Jacopo Aguzzi

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/3106321/publications.pdf>

Version: 2024-02-01

159
papers

6,098
citations

117571

34
h-index

88593

70
g-index

159
all docs

159
docs citations

159
times ranked

6127
citing authors

#	ARTICLE	IF	CITATIONS
1	The Biodiversity of the Mediterranean Sea: Estimates, Patterns, and Threats. <i>PLoS ONE</i> , 2010, 5, e11842.	1.1	1,439
2	A Review on Agri-food Supply Chain Traceability by Means of RFID Technology. <i>Food and Bioprocess Technology</i> , 2013, 6, 353-366.	2.6	235
3	Shape Analysis of Agricultural Products: A Review of Recent Research Advances and Potential Application to Computer Vision. <i>Food and Bioprocess Technology</i> , 2011, 4, 673-692.	2.6	228
4	Ecological Role of Submarine Canyons and Need for Canyon Conservation: A Review. <i>Frontiers in Marine Science</i> , 2017, 4, .	1.2	160
5	Ecological variables for developing a global deep-ocean monitoring and conservation strategy. <i>Nature Ecology and Evolution</i> , 2020, 4, 181-192.	3.4	142
6	An ecosystem-based deep-ocean strategy. <i>Science</i> , 2017, 355, 452-454.	6.0	135
7	Ecological Segregation in Space, Time and Trophic Niche of Sympatric Planktivorous Petrels. <i>PLoS ONE</i> , 2013, 8, e62897.	1.1	110
8	Tracking Fish Abundance by Underwater Image Recognition. <i>Scientific Reports</i> , 2018, 8, 13748.	1.6	106
9	New High-Tech Flexible Networks for the Monitoring of Deep-Sea Ecosystems. <i>Environmental Science & Technology</i> , 2019, 53, 6616-6631.	4.6	93
10	Ontogenetic and environmental effects on otolith shape variability in three Mediterranean European eel (<i>Anguilla anguilla</i> , L.) local stocks. <i>Journal of Experimental Marine Biology and Ecology</i> , 2011, 397, 1-7.	0.7	82
11	Diel and seasonal patterns of <i>Nephrops norvegicus</i> (Decapoda: Nephropidae) catchability in the western Mediterranean. <i>Marine Ecology - Progress Series</i> , 2003, 258, 201-211.	0.9	78
12	RGB Color Calibration for Quantitative Image Analysis: The 3D Thin-Plate Spline-Warping Approach. <i>Sensors</i> , 2012, 12, 7063-7079.	2.1	74
13	Evidence for an Overlapping Role of CLOCK and NPAS2 Transcription Factors in Liver Circadian Oscillators. <i>Molecular and Cellular Biology</i> , 2008, 28, 3070-3075.	1.1	73
14	The New Seafloor Observatory (OBSEA) for Remote and Long-Term Coastal Ecosystem Monitoring. <i>Sensors</i> , 2011, 11, 5850-5872.	2.1	73
15	A history of recent advancements on <i>Nephrops norvegicus</i> behavioral and physiological rhythms. <i>Reviews in Fish Biology and Fisheries</i> , 2008, 18, 235-248.	2.4	72
16	Chronobiology of Deep-Water Decapod Crustaceans on Continental Margins. <i>Advances in Marine Biology</i> , 2010, 58, 155-225.	0.7	71
17	Diel behavioral rhythms in sablefish (<i>Anoplopoma fimbria</i>) and other benthic species, as recorded by the Deep-sea cabled observatories in Barkley canyon (NEPTUNE-Canada). <i>Journal of Marine Systems</i> , 2014, 130, 69-78.	0.9	64
18	Activity rhythms in the deep-sea: a chronobiological approach. <i>Frontiers in Bioscience - Landmark</i> , 2011, 16, 131.	3.0	63

#	ARTICLE	IF	CITATIONS
19	High-frequency study of epibenthic megafaunal community dynamics in Barkley Canyon: A multi-disciplinary approach using the NEPTUNE Canada network. <i>Journal of Marine Systems</i> , 2014, 130, 56-68.	0.9	63
20	Light Intensity Determines Temporal Niche Switching of Behavioral Activity in Deep-Water <i>Nephrops norvegicus</i> (Crustacea: Decapoda). <i>Journal of Biological Rhythms</i> , 2010, 25, 277-287.	1.4	62
21	Quantitative evaluation of Tarocco sweet orange fruit shape using optoelectronic elliptic Fourier based analysis. <i>Postharvest Biology and Technology</i> , 2009, 54, 38-47.	2.9	61
22	Shape analysis of different populations of clams in relation to their geographical structure. <i>Journal of Zoology</i> , 2008, 276, 71-80.	0.8	59
23	Coastal observatories for monitoring of fish behaviour and their responses to environmental changes. <i>Reviews in Fish Biology and Fisheries</i> , 2015, 25, 463-483.	2.4	59
24	Shape-based methodology for multivariate discrimination among Italian hazelnut cultivars. <i>Biosystems Engineering</i> , 2008, 101, 417-424.	1.9	56
25	Feeding ecology and trophic position of three sympatric demersal chondrichthyans in the northwestern Mediterranean. <i>Marine Ecology - Progress Series</i> , 2015, 524, 255-268.	0.9	54
26	The Oceanic Biological Pump: Rapid carbon transfer to depth at Continental Margins during Winter. <i>Scientific Reports</i> , 2017, 7, 10763.	1.6	50
27	Seasonal monitoring of deep-sea megabenthos in Barkley Canyon cold seep by internet operated vehicle (IOV). <i>PLoS ONE</i> , 2017, 12, e0176917.	1.1	50
28	Ecomorphology of morpho-functional relationships in the family of sparidae: A quantitative statistic approach. <i>Journal of Morphology</i> , 2009, 270, 843-855.	0.6	47
29	Behavioral rhythms of hydrocarbon seep fauna in relation to internal tides. <i>Marine Ecology - Progress Series</i> , 2010, 418, 47-56.	0.9	46
30	A Novel Morphometry-Based Protocol of Automated Video-Image Analysis for Species Recognition and Activity Rhythms Monitoring in Deep-Sea Fauna. <i>Sensors</i> , 2009, 9, 8438-8455.	2.1	45
31	Seasonal fluctuations of deep megabenthos: Finding evidence of standing stock accumulation in a flux-rich continental slope. <i>Progress in Oceanography</i> , 2013, 118, 188-198.	1.5	45
32	External Shape Differences between Sympatric Populations of Commercial Clams <i>Tapes decussatus</i> and <i>T. philippinarum</i> . <i>Food and Bioprocess Technology</i> , 2010, 3, 43-48.	2.6	43
33	Video Image Enhancement and Machine Learning Pipeline for Underwater Animal Detection and Classification at Cabled Observatories. <i>Sensors</i> , 2020, 20, 726.	2.1	40
34	Rhythmic behaviour of marine benthopelagic species and the synchronous dynamics of benthic communities. <i>Deep-Sea Research Part I: Oceanographic Research Papers</i> , 2015, 95, 1-11.	0.6	38
35	Comparison between ROV video and Agassiz trawl methods for sampling deep water fauna of submarine canyons in the Northwestern Mediterranean Sea with observations on behavioural reactions of target species. <i>Deep-Sea Research Part I: Oceanographic Research Papers</i> , 2016, 114, 149-159.	0.6	38
36	Identification, Characterization, and Diel Pattern of Expression of Canonical Clock Genes in <i>Nephrops norvegicus</i> (Crustacea: Decapoda) Eyestalk. <i>PLoS ONE</i> , 2015, 10, e0141893.	1.1	37

#	ARTICLE	IF	CITATIONS
37	Automated Image Analysis for the Detection of Benthic Crustaceans and Bacterial Mat Coverage Using the VENUS Undersea Cabled Network. <i>Sensors</i> , 2011, 11, 10534-10556.	2.1	36
38	A New Laboratory Radio Frequency Identification (RFID) System for Behavioural Tracking of Marine Organisms. <i>Sensors</i> , 2011, 11, 9532-9548.	2.1	36
39	Reproductive biology and recruitment of the deep-sea fish community from the NW Mediterranean continental margin. <i>Progress in Oceanography</i> , 2013, 118, 222-234.	1.5	35
40	Spontaneous internal desynchronization of locomotor activity and body temperature rhythms from plasma melatonin rhythm in rats exposed to constant dim light. <i>Journal of Circadian Rhythms</i> , 2014, 4, 6.	2.9	35
41	The influence of light availability and predatory behavior of the decapod crustacean <i>Nephrops norvegicus</i> on the activity rhythms of continental margin prey decapods. <i>Marine Ecology</i> , 2009, 30, 366-375.	0.4	34
42	Sex and tissue specific gene expression patterns identified following de novo transcriptomic analysis of the Norway lobster, <i>Nephrops norvegicus</i> . <i>BMC Genomics</i> , 2017, 18, 622.	1.2	34
43	The Hierarchic Treatment of Marine Ecological Information from Spatial Networks of Benthic Platforms. <i>Sensors</i> , 2020, 20, 1751.	2.1	34
44	Mobile robotic platforms for the acoustic tracking of deep-sea demersal fishery resources. <i>Science Robotics</i> , 2020, 5, .	9.9	33
45	Annual rhythms of temporal niche partitioning in the Sparidae family are correlated to different environmental variables. <i>Scientific Reports</i> , 2019, 9, 1708.	1.6	32
46	Light and shape: A contribution to demonstrate morphological differences in diurnal and nocturnal teleosts. <i>Journal of Morphology</i> , 2008, 269, 375-385.	0.6	31
47	Multi-parametric study of behavioural modulation in demersal decapods at the VENUS cabled observatory in Saanich Inlet, British Columbia, Canada. <i>Journal of Experimental Marine Biology and Ecology</i> , 2011, 401, 89-96.	0.7	31
48	Obsea: A Decadal Balance for a Cabled Observatory Deployment. <i>IEEE Access</i> , 2020, 8, 33163-33177.	2.6	31
49	Seasonal dynamics in <i>Nephrops norvegicus</i> (Decapoda: Nephropidae) catches off the Catalan coasts (Western Mediterranean). <i>Fisheries Research</i> , 2004, 69, 293-300.	0.9	30
50	Locomotor Activity Rhythms of Continental Slope <i>Nephrops Norvegicus</i> (Decapoda: Nephropidae). <i>Journal of Crustacean Biology</i> , 2004, 24, 282-290.	0.3	30
51	Quality Evaluation of Fish by Hyperspectral Imaging. , 2010, , 273-294.		30
52	A review of burrow counting as an alternative to other typical methods of assessment of Norway lobster populations. <i>Reviews in Fish Biology and Fisheries</i> , 2012, 22, 409-422.	2.4	30
53	Automated estimate of fish abundance through the autonomous imaging device GUARD1. <i>Measurement: Journal of the International Measurement Confederation</i> , 2018, 126, 72-75.	2.5	30
54	A new tracking system for the measurement of diel locomotor rhythms in the Norway lobster, <i>Nephrops norvegicus</i> (L.). <i>Journal of Neuroscience Methods</i> , 2008, 173, 215-224.	1.3	29

#	ARTICLE	IF	CITATIONS
55	Expert, Crowd, Students or Algorithm: who holds the key to deep-sea imagery "big data" processing?. <i>Methods in Ecology and Evolution</i> , 2017, 8, 996-1004.	2.2	29
56	Global Deep-Sea Biodiversity Research Trends Highlighted by Science Mapping Approach. <i>Frontiers in Marine Science</i> , 2020, 7, .	1.2	29
57	Daily activity rhythms in temperate coastal fishes: insights from cabled observatory video monitoring. <i>Marine Ecology - Progress Series</i> , 2013, 486, 223-236.	0.9	29
58	Diel rhythms in shallow Mediterranean rocky-reef fishes: a chronobiological approach with the help of trained volunteers. <i>Journal of the Marine Biological Association of the United Kingdom</i> , 2013, 93, 461-470.	0.4	26
59	Faunal activity rhythms influencing early community succession of an implanted whale carcass offshore Sagami Bay, Japan. <i>Scientific Reports</i> , 2018, 8, 11163.	1.6	26
60	The potential of video imagery from worldwide cabled observatory networks to provide information supporting fish-stock and biodiversity assessment. <i>ICES Journal of Marine Science</i> , 2020, 77, 2396-2410.	1.2	26
61	Towards an optimal design for ecosystem-level ocean observatories. , 2020, , 79-105.		26
62	First records, rediscovery and compilation of deep-sea echinoderms in the middle and lower continental slope of the Mediterranean Sea. <i>Scientia Marina</i> , 2014, 78, 281-302.	0.3	25
63	Feeding activity rhythm of <i>Nephrops norvegicus</i> of the western Mediterranean shelf and slope grounds. <i>Marine Biology</i> , 2004, 144, 463-472.	0.7	24
64	Seasonal rhythm in a Mediterranean coastal fish community as monitored by a cabled observatory. <i>Marine Biology</i> , 2012, 159, 2809-2817.	0.7	24
65	High-Frequency Patterns in the Abundance of Benthic Species near a Cold-Seep " An Internet Operated Vehicle Application. <i>PLoS ONE</i> , 2016, 11, e0163808.	1.1	24
66	THE ACTIVITY RHYTHM OF BERRIED AND UNBERRIED FEMALES OF NEPHROPS NORVEGICUS (DECAPODA,) Tj ETQq0 0 0 rgBTj/Overlock	0.1	23
67	Fuzzy diel patterns in catchability of deep-water species on the continental margin. <i>ICES Journal of Marine Science</i> , 2009, 66, 2211-2218.	1.2	23
68	Influence of diel behaviour in the morphology of decapod natantia. <i>Biological Journal of the Linnean Society</i> , 0, 96, 517-532.	0.7	23
69	The New Pelagic Operational Observatory of the Catalan Sea (OOCs) for the Multisensor Coordinated Measurement of Atmospheric and Oceanographic Conditions. <i>Sensors</i> , 2011, 11, 11251-11272.	2.1	23
70	Circadian Oxygen Consumption Patterns in Continental Slope <i>Nephrops Norvegicus</i> (Decapoda:) Tj ETQq0 0 0 rgBTj/Overlock, 10 Tf 50 I	0.3	22
71	Shifting feeding behaviour of deep-sea buccinid gastropods at natural and simulated food falls. <i>Marine Ecology - Progress Series</i> , 2012, 458, 247-253.	0.9	22
72	Marine Robotics for Deep-Sea Specimen Collection: A Systematic Review of Underwater Grippers. <i>Sensors</i> , 2022, 22, 648.	2.1	22

#	ARTICLE	IF	CITATIONS
73	Endogenous cardiac activity rhythms of continental slope <i>Nephrops norvegicus</i> (decapoda: Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 5	0.4	21
74	Fighting over burrows: the emergence of dominance hierarchies in the Norway lobster (<i>Nephrops</i>) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 5	0.8	21
75	Daily and seasonal feeding rhythmicity of <i>Palaemonetes varians</i> (Leach 1814) from southwestern Europe. <i>Marine Biology</i> , 2005, 148, 141-147.	0.7	20
76	Modeled day-night biases in decapod assessment by bottom trawling survey. <i>Fisheries Research</i> , 2009, 100, 274-280.	0.9	20
77	Sensory constraints in temporal segregation in two species of anglerfish, <i>Lophius budegassa</i> and <i>L. piscatorius</i> . <i>Marine Ecology - Progress Series</i> , 2010, 416, 255-265.	0.9	20
78	Ontogenetic changes in vertical migratory rhythms of benthopelagic shrimps <i>Pasiphaea multidentata</i> and <i>P. sivado</i> . <i>Marine Ecology - Progress Series</i> , 2007, 335, 167-174.	0.9	20
79	Sensory Biology and Behaviour of <i>Nephrops norvegicus</i> . <i>Advances in Marine Biology</i> , 2013, 64, 65-106.	0.7	19
80	Don't catch me if you can – Using cabled observatories as multidisciplinary platforms for marine fish community monitoring: An in situ case study combining Underwater Video and environmental DNA data. <i>Science of the Total Environment</i> , 2021, 773, 145351.	3.9	19
81	Monochromatic blue light entrains diel activity cycles in the Norway lobster, <i>Nephrops norvegicus</i> (L.) as measured by automated video-image analysis. <i>Scientia Marina</i> , 2009, 73, 773-783.	0.3	19
82	Effect of Long-Term Exposure to Constant Dim Light on the Circadian System of Rats. <i>NeuroSignals</i> , 2005, 14, 117-125.	0.5	18
83	A new morphometric implemented video-image analysis protocol for the study of social modulation in activity rhythms of marine organisms. <i>Journal of Neuroscience Methods</i> , 2009, 184, 161-168.	1.3	18
84	An automated multi-flume actograph for the study of behavioral rhythms of burrowing organisms. <i>Journal of Experimental Marine Biology and Ecology</i> , 2013, 446, 177-185.	0.7	18
85	Deep-sea litter in the Gulf of Cadiz (Northeastern Atlantic, Spain). <i>Marine Pollution Bulletin</i> , 2020, 153, 110969.	2.3	18
86	Visual monitoring of key deep-sea megafauna with an Internet Operated crawler as a tool for ecological status assessment. <i>Progress in Oceanography</i> , 2020, 184, 102321.	1.5	18
87	Effect of simulated tidal currents on the burrow emergence rhythms of the Norway lobster (<i>Nephrops norvegicus</i>). <i>Marine Biology</i> , 2015, 162, 2007-2016.	0.7	17
88	Optimal path shape for range-only underwater target localization using a Wave Glider. <i>International Journal of Robotics Research</i> , 2018, 37, 1447-1462.	5.8	16
89	An Automated Pipeline for Image Processing and Data Treatment to Track Activity Rhythms of <i>Paragorgia arborea</i> in Relation to Hydrographic Conditions. <i>Sensors</i> , 2020, 20, 6281.	2.1	16
90	Ecological video monitoring of Marine Protected Areas by underwater cabled surveillance cameras. <i>Marine Policy</i> , 2020, 119, 104052.	1.5	16

#	ARTICLE	IF	CITATIONS
91	A Flexible Autonomous Robotic Observatory Infrastructure for Benthic-Pelagic Monitoring. <i>Sensors</i> , 2020, 20, 1614.	2.1	16
92	Research Trends and Future Perspectives in Marine Biomimicking Robotics. <i>Sensors</i> , 2021, 21, 3778.	2.1	16
93	Day-night and depth differences in haemolymph melatonin of the Norway lobster, <i>Nephrops norvegicus</i> (L.). <i>Deep-Sea Research Part I: Oceanographic Research Papers</i> , 2009, 56, 1894-1905.	0.6	15
94	The seasonal use of small-scale space by benthic species in a transiently hypoxic area. <i>Journal of Marine Systems</i> , 2016, 154, 280-290.	0.9	15
95	Exo-Ocean Exploration with Deep-Sea Sensor and Platform Technologies. <i>Astrobiology</i> , 2020, 20, 897-915.	1.5	15
96	Effect of photoreceptor degeneration on circadian photoreception and free-running period in the Royal College of Surgeons rat. <i>Brain Research</i> , 2007, 1148, 76-82.	1.1	14
97	The circadian behavioural regulation of the shrimp, <i>Processa canaliculata</i> Leach, 1815 (Decapoda). <i>Tj ETQq1 1 0.784314 rgBT /Overl</i> 1301-1316.	0.1	14
98	Range-Only Single-Beacon Tracking of Underwater Targets From an Autonomous Vehicle: From Theory to Practice. <i>IEEE Access</i> , 2019, 7, 86946-86963.	2.6	14
99	Hydrodynamic, non-photic modulation of biorhythms in the Norway lobster, <i>Nephrops norvegicus</i> (L.). <i>Deep-Sea Research Part I: Oceanographic Research Papers</i> , 2009, 56, 366-373.	0.6	13
100	Seasonal bathymetric migrations of deep-sea fishes and decapod crustaceans in the NW Mediterranean Sea. <i>Progress in Oceanography</i> , 2013, 118, 210-221.	1.5	13
101	Dusk but not dawn burrow emergence rhythms of <i>Nephrops norvegicus</i> (Crustacea). <i>Tj ETQq1 1 0.784314 rgBT /Overl</i> 0.3	0.3	13
102	First observations on <i>Nephrops Norvegicus</i> (L.) Burrow Densities on the Continental Shelf off the Catalan Coast (Western Mediterranean). <i>Crustaceana</i> , 2004, 77, 299-310.	0.1	12
103	A New Colorimetrically-Calibrated Automated Video-Imaging Protocol for Day-Night Fish Counting at the OBSEA Coastal Cabled Observatory. <i>Sensors</i> , 2013, 13, 14740-14753.	2.1	12
104	Inertial bioluminescence rhythms at the Capo Passero (KM3NeT-Italia) site, Central Mediterranean Sea. <i>Scientific Reports</i> , 2017, 7, 44938.	1.6	12
105	Visual faunistic exploration of geomorphological human-impacted deep-sea areas of the north-western Mediterranean Sea. <i>Journal of the Marine Biological Association of the United Kingdom</i> , 2018, 98, 1241-1252.	0.4	12
106	Multiparametric monitoring of fish activity rhythms in an Atlantic coastal cabled observatory. <i>Journal of Marine Systems</i> , 2020, 212, 103424.	0.9	12
107	Burrow emergence rhythms of <i>Nephrops norvegicus</i> by UWTV and surveying biases. <i>Scientific Reports</i> , 2021, 11, 5797.	1.6	12
108	Temporal modification in cardiac rhythmicity of <i>Nephrops norvegicus</i> (Crustacea: Decapoda) in relation to trawl capture stress. <i>Scientia Marina</i> , 2005, 69, 369-374.	0.3	12

#	ARTICLE	IF	CITATIONS
109	Rhythmic diel movements of pandalid shrimps in the western Mediterranean continental shelf and upper slope. <i>Journal of Zoology</i> , 2007, 273, 340-349.	0.8	11
110	The potential reproductive contribution of Mediterranean migrating eels to the <i>Anguilla anguilla</i> stock. <i>Scientific Reports</i> , 2014, 4, 7188.	1.6	11
111	Behavioral rhythms of an opportunistic predator living in anthropogenic landscapes. <i>Movement Ecology</i> , 2020, 8, 17.	1.3	11
112	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.	2.1	11
113	Preliminary evidences of circadian fan activity rhythm in <i>Sabella spallanzanii</i> (Gmelin, 1791) (Polychaeta: Sabellidae). <i>Scientia Marina</i> , 2006, 70, 727-734.	0.3	11
114	Day-night activity rhythm of the cold seep shrimp <i>Alvinocaris stactophila</i> (Caridea: Alvinocarididae) from the Gulf of Mexico. <i>Journal of the Marine Biological Association of the United Kingdom</i> , 2007, 87, 1175-1180.	0.4	10
115	Abundant bioluminescent sources of low-light intensity in the deep Mediterranean Sea and North Atlantic Ocean. <i>Marine Biology</i> , 2015, 162, 1637-1649.	0.7	10
116	Influence of temperature on daily locomotor activity in the crab <i>Uca pugilator</i> . <i>PLoS ONE</i> , 2017, 12, e0175403.	1.1	10
117	Ontogenetic and gender-modulated behavioural rhythms in the deep-water decapods <i>Liocarcinus depurator</i> (Brachyura: Portunidae), <i>Munida tenuimana</i> and <i>Munida intermedia</i> (Anomura: Galatheidae). <i>Marine Ecology</i> , 2009, 30, 93-105.	0.4	9
118	Automated Video Imaging System for Counting Deep-Sea Bioluminescence Organisms Events. , 2014, , .		9
119	Innovative Automated Landmark Detection for Food Processing: The Backwarping Approach. <i>Food and Bioprocess Technology</i> , 2014, 7, 2291-2298.	2.6	9
120	New Vectorial Propulsion System and Trajectory Control Designs for Improved AUV Mission Autonomy. <i>Sensors</i> , 2018, 18, 1241.	2.1	9
121	Integrating Diel Vertical Migrations of Bioluminescent Deep Scattering Layers Into Monitoring Programs. <i>Frontiers in Marine Science</i> , 2021, 8, .	1.2	9
122	Framing Cutting-Edge Integrative Deep-Sea Biodiversity Monitoring via Environmental DNA and Optoacoustic Augmented Infrastructures. <i>Frontiers in Marine Science</i> , 2022, 8, .	1.2	9
123	Long-Term Monitoring of Diel and Seasonal Rhythm of <i>Dentex dentex</i> at an Artificial Reef. <i>Frontiers in Marine Science</i> , 2022, 9, .	1.2	9
124	Cardiac Activity of <i>Nephrops norvegicus</i> (Decapoda: Nephropidae): The Relationship between Circadian and Ultradian Rhythms. <i>Journal of Crustacean Biology</i> , 2005, 25, 577-584.	0.3	8
125	First in situ observations of the deep-sea carnivorous ascidian <i>Dicopia antirrhinum</i> Monniot C., 1972 in the Western Mediterranean Sea. <i>Deep-Sea Research Part I: Oceanographic Research Papers</i> , 2014, 83, 51-56.	0.6	8
126	Stepped Coastal Water Warming Revealed by Multiparametric Monitoring at NW Mediterranean Fixed Stations. <i>Sensors</i> , 2020, 20, 2658.	2.1	8

#	ARTICLE	IF	CITATIONS
127	Seafloor litter at oceanic islands and seamounts of the southeastern Pacific. <i>Marine Pollution Bulletin</i> , 2021, 170, 112641.	2.3	8
128	Developing technological synergies between deep-sea and space research. <i>Elementa</i> , 2022, 10, .	1.1	8
129	The EMSO Generic Instrument Module (EGIM): Standardized and Interoperable Instrumentation for Ocean Observation. <i>Frontiers in Marine Science</i> , 2022, 9, .	1.2	8
130	26 Occurrence of Living Cold-Water Corals at Large Depths Within Submarine Canyons of the Northwestern Mediterranean Sea. <i>Coral Reefs of the World</i> , 2019, , 271-284.	0.3	7
131	Is the glucose concentration in the haemolymph a suitable indicator of circadian rhythmicity in <i>Nephrops norvegicus</i> (Decapoda, Nephropidae)?. <i>Crustaceana</i> , 2004, 77, 213-229.	0.1	6
132	Evidences on the transient disruption of <i>Sabella spallanzanii</i> (Polychaeta, Sabellidae) fan activity rhythm in laboratory constant darkness. <i>Italian Journal of Zoology</i> , 2008, 75, 337-344.	0.6	6
133	Studying the behaviour of Norway lobster using RFID and infrared tracking technologies. , 2009, , .		6
134	Light-dependent genetic and phenotypic differences in the squat lobster <i>Munida tenuimana</i> (Crustacea: Tj ETQq0 0,0 rgBT /Qverlock 10	1.5	6
135	The effects of seasonal variation on the nutritional condition of <i>Nephrops norvegicus</i> (Astacidea: Nephropidae) from wild populations in the western Mediterranean. <i>Journal of the Marine Biological Association of the United Kingdom</i> , 2014, 94, 763-773.	0.4	6
136	First laboratory insight on the behavioral rhythms of the bathyal crab <i>Geryon longipes</i> . <i>Deep-Sea Research Part I: Oceanographic Research Papers</i> , 2016, 116, 165-173.	0.6	6
137	Underwater Multi-Target Tracking with Particle Filters. , 2018, , .		6
138	Quality Control and Pre-Analysis Treatment of the Environmental Datasets Collected by an Internet Operated Deep-Sea Crawler during Its Entire 7-Year Long Deployment (2009â€”2016). <i>Sensors</i> , 2020, 20, 2991.	2.1	6
139	Marine Robotics for Deep-Sea Specimen Collection: A Taxonomy of Underwater Manipulative Actions. <i>Sensors</i> , 2022, 22, 1471.	2.1	6
140	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.	3.4	5
141	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.	0.6	5
142	Effect of Space Flight on Circadian Rhythms. <i>Advances in Space Biology and Medicine</i> , 2005, 10, 165-174.	0.5	4
143	Temporal Shape Changes and Future Trends in European Automotive Design. <i>Machines</i> , 2015, 3, 256-267.	1.2	4
144	Underwater mobile target tracking with particle filter using an autonomous vehicle. , 2017, , .		4

#	ARTICLE	IF	CITATIONS
145	Assessing the Image Concept Drift at the OBSEA Coastal Underwater Cabled Observatory. <i>Frontiers in Marine Science</i> , 2022, 9, .	1.2	4
146	Infrared and Imaging Application to Measure Emergence Activity Rhythms on <i>Nephrops norvegicus</i> (L.) Population Assessment. , 2008, , .		3
147	Pilot acoustic tracking study on adult spiny lobsters (<i>Palinurus mauritanicus</i>) and spider crabs (<i>Maja</i>) Tj ETQq1 1 0.784314 rgBT /Overl	1.0	3
148	Reproductive biology of the seastar <i>Ceramaster grenadensis</i> from the deep north-western Mediterranean Sea. <i>Journal of the Marine Biological Association of the United Kingdom</i> , 2015, 95, 805-815.	0.4	3
149	Foraging strategies in four deep-sea benthic species. <i>Journal of Experimental Marine Biology and Ecology</i> , 2021, 542-543, 151607.	0.7	3
150	Video-image processing applied to the analysis of the behaviour of deep-water lobsters (<i>Nephrops</i>) Tj ETQq0 0 0 rgBT /Overl		2
151	The new synthesis of cabled observatory science: Technology meets deep-sea ecology. , 2013, , .		2
152	Long-term Video Tracking of Cohoused Aquatic Animals: A Case Study of the Daily Locomotor Activity of the Norway Lobster (<i>Nephrops norvegicus</i>). <i>Journal of Visualized Experiments</i> , 2019, , .	0.2	2
153	Citizen science and marine community monitoring by video-cabled observatories: The OBSEA Citizen Science project. , 2013, , .		1
154	Investigating the mediterranean by seafloor observations: The eastern branch of the EMSO Ligurian Sea node. , 2015, , .		1
155	Underwater acoustic slant range measurements related to weather and sea state. <i>Journal of Physics: Conference Series</i> , 2018, 1065, 052038.	0.3	1
156	Monitoring species using acoustic communications. , 2011, , .		0
157	Reproductive biology of NW Mediterranean tonguefish <i>Symphurus nigrescens</i> and <i>Symphurus ligulatus</i>. <i>Journal of the Marine Biological Association of the United Kingdom</i> , 2015, 95, 1041-1049.	0.4	0
158	Light and current generation system for measuring the behaviour of the Norway lobster. Measurement: <i>Journal of the International Measurement Confederation</i> , 2015, 69, 180-188.	2.5	0
159	Area-only method for underwater object tracking using autonomous vehicles. , 2019, , .		0