Gualtiero Basilone

List of Publications by Year
in descending order

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98 papers	2,733 citations	218381 26 h-index	214527 47 g-index
99 all docs	99 docs citations	99 times ranked	2715 citing authors

#	Article	IF	Citations
1	Seismic stratigraphy of the north-westernmost area of the Malta Plateau (Sicily Channel): The Middle Pleistocene-Holocene sedimentation in a tidally influenced shelf. Marine Geology, 2022, 445, 106740.	0.9	1
2	Automatic classification of acoustically detected krill aggregations: A case study from Southern Ocean. Environmental Modelling and Software, 2022, 151, 105357.	1.9	2
3	A pattern recognition approach to identify biological clusters acquired by acoustic multi-beam in Kongsfjorden. Environmental Modelling and Software, 2022, , 105401.	1.9	2
4	Observing meteotsunamis (â€œMarrobbioâ€) on the southwestern coast of Sicily. Natural Hazards, 2021, 106, 1337-1363.	1.6	8
5	Pattern Classification from Multi-beam Acoustic Data Acquired in Kongsfjorden. Lecture Notes in Computer Science, 2021, , 55-64.	1.0	2
6	Unsupervised Classification of Acoustic Echoes from Two Krill Species in the Southern Ocean (Ross) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 5	1.0	1
7	New Evaluation of Postovulatory Follicle Degeneration at High-Temperature Regimes Refines Criteria for the Identification of Spawning Cohorts in the European Anchovy (Engraulis encrasicolus). Animals, 2021, 11, 529.	1.0	2
8	Depositional mechanism of the upper Pliocene-Pleistocene shelf-slope system of the western Malta Plateau (Sicily Channel). Sedimentary Geology, 2021, 417, 105882.	1.0	4
9	Reproduction and Sexual Maturity of European Sardine (Sardina pilchardus) in the Central Mediterranean Sea. Frontiers in Marine Science, 2021, 8, .	1.2	7
10	The Mediterranean fishery management: A call for shifting the current paradigm from duplication to synergy. Marine Policy, 2021, 131, 104612.	1.5	4
11	A novel method to simulate the 3D chlorophyll distribution in marine oligotrophic waters. Communications in Nonlinear Science and Numerical Simulation, 2021, 103, 106000.	1.7	2
12	History of hydroacoustic surveys of small pelagic fish species in the European Mediterranean Sea. Mediterranean Marine Science, 2021, 22, 751.	0.6	18
13	Effects of sampling intensity and biomass levels on the precision of acoustic surveys in the Mediterranean Sea. Mediterranean Marine Science, 2021, 22, 769.	0.6	1
14	Variability in size at maturity of the European anchovy (Engraulis encrasicolus) in the Mediterranean Sea. Mediterranean Marine Science, 2021, 22, 858.	0.6	3
15	Temperature strongly correlates with regional patterns of body size variation in Mediterranean small pelagic fish species. Mediterranean Marine Science, 2021, 22, 800.	0.6	6
16	Growth-related trophic changes of Thunnus thynnus as evidenced by stable nitrogen isotopic values in the first dorsal spine. Scientific Reports, 2020, 10, 9899.	1.6	2
17	First annulus formation in the European anchovy; a two-stage approach for robust validation. Scientific Reports, 2020, 10, 1079.	1.6	7
18	Spawning ecology of the European anchovy (Engraulis encrasicolus) in the Strait of Sicily: Linking variations of zooplankton prey, fish density, growth, and reproduction in an upwelling system. Progress in Oceanography, 2020, 184, 102330.	1.5	15

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19	Identifying small pelagic Mediterranean fish schools from acoustic and environmental data using optimized artificial neural networks. Ecological Informatics, 2019, 50, 149-161.	2.3	16
20	Condition of pteropod shells near a volcanic CO2 vent region. Marine Environmental Research, 2019, 143, 39-48.	1.1	11
21	Variation in size at maturity by horse mackerel (Trachurus trachurus) within the central Mediterranean Sea: Implications for investigating drivers of local productivity and applications for resource assessments. Fisheries Research, 2019, 211, 291-299.	0.9	10
22	Effects of habitat conditions at hatching time on growth history of offspring European anchovy, Engraulis encrasicolus, in the Central Mediterranean Sea. Hydrobiologia, 2018, 821, 99-111.	1.0	14
23	Liver melanomacrophage centres and CYP1A expression as response biomarkers to environmental pollution in European anchovy (Engraulis encrasicolus) from the western Mediterranean Sea. Marine Pollution Bulletin, 2018, 131, 197-204.	2.3	16
24	Spatial dynamics and mixing of bluefin tuna in the Atlantic Ocean and Mediterranean Sea revealed using nextâ€generation sequencing. Molecular Ecology Resources, 2018, 18, 620-638.	2.2	34
25	Small pelagic fish assemblages in relation to environmental regimes in the Central Mediterranean. Hydrobiologia, 2018, 821, 113-134.	1.0	4
26	Habitat suitability modelling for a key small pelagic fish species (Sardinella aurita) in the central Mediterranean sea. Hydrobiologia, 2018, 821, 83-98.	1.0	4
27	Space utilization by key species of the pelagic fish community in an upwelling ecosystem of the Mediterranean Sea. Hydrobiologia, 2018, 821, 173-190.	1.0	5
28	Anchovy (Engraulis encrasicolus) early life stages in the Central Mediterranean Sea: connectivity issues emerging among adjacent sub-areas across the Strait of Sicily. Hydrobiologia, 2018, 821, 25-40.	1.0	20
29	Mesoscale variability in the trophic ecology of the European hake Merluccius merluccius in the Strait of Sicily. Hydrobiologia, 2018, 821, 57-72.	1.0	13
30	Trophic relationships between anchovy (Engraulis encrasicolus) and zooplankton in the Strait of Sicily (Central Mediterranean sea): a stable isotope approach. Hydrobiologia, 2018, 821, 41-56.	1.0	10
31	Marine ecosystems and living resources in the Central Mediterranean Sea: an introduction. Hydrobiologia, 2018, 821, 1-10.	1.0	1
32	Evidence of active fluid seepage (AFS) in the southern region of the central Mediterranean Sea. Measurement: Journal of the International Measurement Confederation, 2018, 128, 247-253.	2.5	10
33	The Graham Bank (Sicily Channel, central Mediterranean Sea): Seafloor signatures of volcanic and tectonic controls. Geomorphology, 2018, 318, 375-389.	1.1	19
34	Micro-anatomical structure of the first spine of the dorsal fin of Atlantic bluefin tuna, Thunnus thynnus (Osteichthyes: Scombridae). Annals of Anatomy, 2018, 219, 1-7.	1.0	5
35	Linking spatial distribution and feeding behavior of Atlantic horse mackerel (Trachurus trachurus) in the Strait of Sicily (Central Mediterranean Sea). Journal of Sea Research, 2017, 121, 47-58.	0.6	22
36	Spatio-temporal dynamics of a planktonic system and chlorophyll distribution in a 2D spatial domain: matching model and data. Scientific Reports, 2017, 7, 220.	1.6	13

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37	Spatio-temporal patterns and environmental controls of small pelagic fish body condition from contrasted Mediterranean areas. Progress in Oceanography, 2017, 151, 149-162.	1.5	87
38	Insights on the drivers of genetic divergence in the European anchovy. Scientific Reports, 2017, 7, 4180.	1.6	17
39	iSAFETY â€" Integrated system for an automatic support to fishing vessel security. , 2017, , .		1
40	Habitat Suitability Modeling to Identify the Potential Nursery Grounds of the Atlantic Mackerel and Its Relation to Oceanographic Conditions in the Mediterranean Sea. Frontiers in Marine Science, 2017, 4, .	1.2	13
41	Comparative Study of Reproductive Development in Wild and Captive-Reared Greater Amberjack Seriola dumerili (Risso, 1810). PLoS ONE, 2017, 12, e0169645.	1.1	58
42	Noise Induced Phenomena in the Dynamics of Two Competing Species. Mathematical Modelling of Natural Phenomena, 2016, 11, 158-174.	0.9	11
43	The role of noise on the steady state distributions of phytoplankton populations. Journal of Statistical Mechanics: Theory and Experiment, 2016, 2016, 054044.	0.9	8
44	The Fishery and Oceanography Observing System (FOOS): a tool for oceanography and fisheries science. Journal of Operational Oceanography, 2016, 9, s99-s118.	0.6	11
45	Environmental processes driving anchovy and sardine distribution in a highly variable environment: the role of the coastal structure and riverine input. Fisheries Oceanography, 2016, 25, 471-490.	0.9	35
46	Modeling of Sensory Characteristics Based on the Growth of Food Spoilage Bacteria. Mathematical Modelling of Natural Phenomena, 2016, 11, 119-136.	0.9	7
47	The Autonomous Underwater Data Acquisition System for Physical and Chemical Parameters (AUDAS-PCP) onboard a fishing vessel. Journal of Operational Oceanography, 2016, 9, s58-s65.	0.6	2
48	Different key roles of mesoscale oceanographic structures and ocean bathymetry in shaping larval fish distribution pattern: A case study in Sicilian waters in summer 2009. Journal of Sea Research, 2016, 115, 6-17.	0.6	25
49	Spatial variations in feeding habits and trophic levels of two small pelagic fish species in the central Mediterranean Sea. Marine Environmental Research, 2016, 115, 65-77.	1.1	50
50	Stochastic models for phytoplankton dynamics in Mediterranean Sea. Ecological Complexity, 2016, 27, 84-103.	1.4	23
51	Oocyte batch development and enumeration in the European anchovy (Engraulis encrasicolus). Mediterranean Marine Science, 2016, 17, 670.	0.6	9
52	Yolked Oocyte Dynamics Support Agreement between Determinate- and Indeterminate-Method Estimates of Annual Fecundity for a Northeastern United States Population of American Shad. PLoS ONE, 2016, 11, e0164203.	1.1	8
53	Seasonal variation of reproductive traits of the caramote prawn in the Gulf of Tunis. Aquatic Living Resources, 2015, 28, 89-98.	0.5	2
54	Molecular Identification of Atlantic Bluefin Tuna (Thunnus thynnus, Scombridae) Larvae and Development of a DNA Character-Based Identification Key for Mediterranean Scombrids. PLoS ONE, 2015, 10, e0130407.	1.1	27

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55	Interannual Changes in Biomass Affect the Spatial Aggregations of Anchovy and Sardine as Evidenced by Geostatistical and Spatial Indicators. PLoS ONE, 2015, 10, e0135808.	1.1	26
56	Acoustically detected pelagic fish community in relation to environmental conditions observed in the Central Mediterranean sea: a comparison of Libyan and Sicilianâ€"Maltese coastal areas. Hydrobiologia, 2015, 755, 209-224.	1.0	18
57	Application of GAMs and multinomial models to assess the spawning pattern of fishes with daily spawning synchronicity: A case study in the European anchovy (Engraulis encrasicolus) in the central Mediterranean Sea. Fisheries Research, 2015, 167, 92-100.	0.9	12
58	Energy acquisition and allocation to egg production in relation to fish reproductive strategies. Fish and Fisheries, 2015, 16, 23-57.	2.7	361
59	Habitat Selection Response of Small Pelagic Fish in Different Environments. Two Examples from the Oligotrophic Mediterranean Sea. PLoS ONE, 2014, 9, e101498.	1.1	48
60	Reproductive traits and seasonal variability ofMerluccius merlucciusfrom the Tunisian coast. Journal of the Marine Biological Association of the United Kingdom, 2014, 94, 1545-1556.	0.4	13
61	Analysis of backscatter properties and application of classification procedures for the identification of small pelagic fish species in the Central Mediterranean. Fisheries Research, 2014, 149, 33-42.	0.9	32
62	First hydroacoustic evidence of marine, active fluid vents in the Naples Bay continental shelf (Southern Italy). Journal of Volcanology and Geothermal Research, 2014, 285, 29-35.	0.8	26
63	Variability of water mass properties in the Strait of Sicily in summer period of 1998â€"2013. Ocean Science, 2014, 10, 759-770.	1.3	60
64	Spatio-temporal behaviour of the deep chlorophyll maximum in Mediterranean Sea: Development of a stochastic model for picophytoplankton dynamics. Ecological Complexity, 2013, 13, 21-34.	1.4	101
65	A comparison between acoustic and bottom trawl estimates to reconstruct the biomass trends of sardine and anchovy in the Strait of Sicily (Central Mediterranean). Fisheries Research, 2013, 147, 290-295.	0.9	11
66	Water masses and nutrient distribution in the Gulf of Syrte and between Sicily and Libya. Journal of Marine Systems, 2013, 121-122, 36-46.	0.9	26
67	Influence of environmental variability on anchovy early life stages (Engraulis encrasicolus) in two different areas of the Central Mediterranean Sea. Hydrobiologia, 2013, 701, 273-287.	1.0	35
68	Reproductive strategy and fecundity of meagre <i>Argyrosomus regius</i> Asso, 1801 (Pisces:) Tj ETQq0 0 0 rgBT /Overlock 1	0.3	27
69	Mercury in fishes from Augusta Bay (southern Italy): Risk assessment and health implication. Food and Chemical Toxicology, 2013, 56, 184-194.	1.8	88
70	Spawning site selection by <scp>E</scp>uropean anchovy (<scp>E</scp>ngraulis encrasicolus) in relation to oceanographic conditions in the <scp>S</scp>trait of <scp>S</scp>icily. Fisheries Oceanography, 2013, 22, 309-323.	0.9	71
71	Characterizing the potential habitat of European anchovy Engraulis encrasicolus in the Mediterranean Sea, at different life stages. Fisheries Oceanography, 2013, 22, 69-89.	0.9	124
72	Stochastic Dynamics of Two Picophytoplankton Populations in a Real Marine Ecosystem. Acta Physica Polonica B, 2013, 44, 977.	0.3	16

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73	Female reproductive cycle and batch fecundity in the central-southern Adriatic population ofEngraulis encrasicolus(Osteichthyes: Engraulidae). Italian Journal of Zoology, 2013, 80, 510-517.	0.6	3
74	Dynamics of Two Picophytoplankton Groups in Mediterranean Sea: Analysis of the Deep Chlorophyll Maximum by a Stochastic Advection-Reaction-Diffusion Model. PLoS ONE, 2013, 8, e66765.	1.1	107
75	Catch of pelagic hauls in Mediterranean acoustic surveys: Is it the same between day and night?. Scientia Marina, 2013, 77, 69-79.	0.3	11
76	Title is missing!. Acta Physica Polonica B, 2012, 43, 1227.	0.3	72
77	Evidence that severe acute stress and starvation induce rapid atresia of ovarian vitellogenic follicles in Atlantic bluefin tuna, Thunnus thynnus (L.) (Osteichthyes: Scombridae). Journal of Fish Diseases, 2011, 34, 853-860.	0.9	23
78	Identification of subpopulations in pelagic marine fish species using amino acid composition. Hydrobiologia, 2011, 670, 189-199.	1.0	31
79	Habitat suitability modelling for sardine SardinaÂpilchardus in a highly diverse ecosystem: the Mediterranean Sea. Marine Ecology - Progress Series, 2011, 443, 181-205.	0.9	67
80	Daytime pelagic schooling behaviour and relationships with plankton patch distribution in the Sicily Strait (Mediterranean Sea). Advances in Oceanography and Limnology, 2011, 2, 79-92.	0.2	4
81	Assessing population structure of European Anchovy (Engraulis encrasicolus) in the Central Mediterranean by means of traditional morphometry. Advances in Oceanography and Limnology, 2011, 2, 141-153.	0.2	5
82	Assessing population structure of European Anchovy (Engraulis encrasicolus) in the Central Mediterranean by means of traditional morphometry. Advances in Oceanography and Limnology, 2011, 2, 141.	0.2	7
83	Effect of atmospheric CO2 and solar activity on wind regime and water column stability in the major global upwelling areas. Estuarine, Coastal and Shelf Science, 2010, 88, 45-52.	0.9	20
84	Role of physical forcings and nutrient availability on the control of satellite-based chlorophyll a concentration in the coastal upwelling area of the Sicilian Channel. Scientia Marina, 2010, 74, 577-588.	0.3	46
85	Validation of macroscopic maturity stages according to microscopic histological examination for European anchovy. Marine Ecology, 2009, 30, 181-187.	0.4	53
86	Distribution and spatial structure of pelagic fish schools in relation to the nature of the seabed in the Sicily Straits (Central Mediterranean). Marine Ecology, 2009, 30, 151-160.	0.4	30
87	Linking air-sea energy exchanges and European anchovy potential spawning ground. European Physical Journal B, 2008, 65, 459-467.	0.6	0
88	Factors responsible for the differences in satellite-based chlorophyll a concentration between the major global upwelling areas. Estuarine, Coastal and Shelf Science, 2008, 76, 775-786.	0.9	43
89	Calcareous nannofossil surface sediment assemblages from the Sicily Channel (central) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50	0.5	27
90	Evidence of a dense water vein along the Libyan continental margin. Annales Geophysicae, 2008, 26, 1-6.	0.6	32

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91	Factors structuring reproductive habitat suitability of Engraulis encrasicolus in the south coast of Sicily. Journal of Fish Biology, 2006, 68, 264-275.	0.7	17
92	Effect of habitat conditions on reproduction of the European anchovy (<i>Engraulis) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 702 Td (encra	0.9	101
93	Acoustic evaluation of anchovy larvae distribution in relation to oceanography in the Cape Passero area (Strait of Sicily). Chemistry and Ecology, 2006, 22, S265-S273.	0.6	15
94	Interannual fluctuations in acoustic biomass estimates and in landings of small pelagic fish populations in relation to hydrology in the Strait of Sicily. Chemistry and Ecology, 2004, 20, 365-375.	0.6	37
95	Mesopelagic Fish Larvae Species in the Strait of Sicily and their Relationships to Main Oceanographic Events. Hydrobiologia, 2004, 527, 177-182.	1.0	37
96	Linking habitat conditions and growth in the European anchovy (Engraulis encrasicolus). Fisheries Research, 2004, 68, 9-19.	0.9	76
97	Anchovy egg and larval distribution in relation to biological and physical oceanography in the Strait of Sicily. Hydrobiologia, 2003, 503, 117-120.	1.0	40
98	European anchovy (Engraulis encrasicolus) age structure and growth rate in two contrasted areas of the Mediterranean Sea: the paradox of faster growth in oligotrophic seas. Mediterranean Marine Science, 0, , 504.	0.6	21