

Angelo Bonanno

List of Publications by Year in descending order

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112
papers

2,779
citations

172457

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46
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115
all docs

115
docs citations

115
times ranked

2860
citing authors

#	ARTICLE	IF	CITATIONS
1	Characterizing the potential habitat of European anchovy (<i>Engraulis encrasicolus</i>) in the Mediterranean Sea, at different life stages. Fisheries Oceanography, 2013, 22, 69-89.	1.7	124
2	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.	2.5	107
3	Effect of habitat conditions on reproduction of the European anchovy (<i>Engraulis</i>) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 66	1.7	101
4	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.	2.9	101
5	Effects of the 2003 European heatwave on the Central Mediterranean Sea: surface fluxes and the dynamical response. Ocean Science, 2007, 3, 273-289.	3.4	98
6	Mercury in fishes from Augusta Bay (southern Italy): Risk assessment and health implication. Food and Chemical Toxicology, 2013, 56, 184-194.	3.6	88
7	Spatio-temporal patterns and environmental controls of small pelagic fish body condition from contrasted Mediterranean areas. Progress in Oceanography, 2017, 151, 149-162.	3.2	87
8	Linking habitat conditions and growth in the European anchovy (<i>Engraulis encrasicolus</i>). Fisheries Research, 2004, 68, 9-19.	1.7	76
9	Title is missing!. Acta Physica Polonica B, 2012, 43, 1227.	0.8	72
10	Spawning site selection by European anchovy (<i>Engraulis encrasicolus</i>) in relation to oceanographic conditions in the Strait of Sicily. Fisheries Oceanography, 2013, 22, 309-323.	1.7	71
11	Habitat suitability modelling for sardine <i>Sardina pilchardus</i> in a highly diverse ecosystem: the Mediterranean Sea. Marine Ecology - Progress Series, 2011, 443, 181-205.	1.9	67
12	Variability of water mass properties in the Strait of Sicily in summer period of 1998–2013. Ocean Science, 2014, 10, 759-770.	3.4	60
13	The “Mad Sea” Phenomenon in the Strait of Sicily. Journal of Physical Oceanography, 1999, 29, 2210-2231.	1.7	59
14	Holocene millennial-scale productivity variations in the Sicily Channel (Mediterranean Sea). Paleoceanography, 2008, 23, .	3.0	59
15	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.	2.5	50
16	Habitat Selection Response of Small Pelagic Fish in Different Environments. Two Examples from the Oligotrophic Mediterranean Sea. PLoS ONE, 2014, 9, e101498.	2.5	48
17	Rare earth elements distribution in seawater and suspended particulate of the Central Mediterranean Sea. Chemistry and Ecology, 2004, 20, 323-343.	1.6	46
18	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.	0.6	46

#	ARTICLE	IF	CITATIONS
19	Factors responsible for the differences in satellite-based chlorophyll a concentration between the major global upwelling areas. <i>Estuarine, Coastal and Shelf Science</i> , 2008, 76, 775-786.	2.1	43
20	Embedding sea surface temperature anomalies into the stock recruitment relationship of red mullet (<i>Mullus barbatus</i> L. 1758) in the Strait of Sicily. <i>Scientia Marina</i> , 2003, 67, 259-268.	0.6	42
21	Anchovy egg and larval distribution in relation to biological and physical oceanography in the Strait of Sicily. <i>Hydrobiologia</i> , 2003, 503, 117-120.	2.0	40
22	A multiphysics approach to the design of a seawave energy conversion system. , 2008, , .		39
23	Pinger affects fish catch efficiency and damage to bottom gill nets related to bottlenose dolphins. <i>Fisheries Science</i> , 2009, 75, 537-544.	1.6	38
24	Interannual fluctuations in acoustic biomass estimates and in landings of small pelagic fish populations in relation to hydrology in the Strait of Sicily. <i>Chemistry and Ecology</i> , 2004, 20, 365-375.	1.6	37
25	Mesopelagic Fish Larvae Species in the Strait of Sicily and their Relationships to Main Oceanographic Events. <i>Hydrobiologia</i> , 2004, 527, 177-182.	2.0	37
26	The Impact of the Little Ice Age on Coccolithophores in the Central Mediterranean Sea. <i>Climate of the Past</i> , 2010, 6, 795-805.	3.4	36
27	Influence of environmental variability on anchovy early life stages (<i>Engraulis encrasicolus</i>) in two different areas of the Central Mediterranean Sea. <i>Hydrobiologia</i> , 2013, 701, 273-287.	2.0	35
28	Environmental processes driving anchovy and sardine distribution in a highly variable environment: the role of the coastal structure and riverine input. <i>Fisheries Oceanography</i> , 2016, 25, 471-490.	1.7	35
29	Evidence of a dense water vein along the Libyan continental margin. <i>Annales Geophysicae</i> , 2008, 26, 1-6.	1.6	32
30	Analysis of backscatter properties and application of classification procedures for the identification of small pelagic fish species in the Central Mediterranean. <i>Fisheries Research</i> , 2014, 149, 33-42.	1.7	32
31	Identification of subpopulations in pelagic marine fish species using amino acid composition. <i>Hydrobiologia</i> , 2011, 670, 189-199.	2.0	31
32	Distribution and spatial structure of pelagic fish schools in relation to the nature of the seabed in the Sicily Straits (Central Mediterranean). <i>Marine Ecology</i> , 2009, 30, 151-160.	1.1	30
33	Calcareous nannofossil surface sediment assemblages from the Sicily Channel (central) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 18	1.2	27
34	Estimation of biogas produced by the landfill of Palermo, applying a Gaussian model. <i>Waste Management</i> , 2009, 29, 233-239.	7.4	27
35	Water masses and nutrient distribution in the Gulf of Syrte and between Sicily and Libya. <i>Journal of Marine Systems</i> , 2013, 121-122, 36-46.	2.1	26
36	First hydroacoustic evidence of marine, active fluid vents in the Naples Bay continental shelf (Southern Italy). <i>Journal of Volcanology and Geothermal Research</i> , 2014, 285, 29-35.	2.1	26

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37	Interannual Changes in Biomass Affect the Spatial Aggregations of Anchovy and Sardine as Evidenced by Geostatistical and Spatial Indicators. PLoS ONE, 2015, 10, e0135808.	2.5	26
38	Stranded cetaceans as indicators of mercury pollution in the Mediterranean Sea. Italian Journal of Zoology, 2012, 79, 151-160.	0.6	25
39	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.	1.6	25
40	High resolution 3-D shapes of fish schools: A new method to use the water column backscatter from hydrographic MultiBeam Echo Sounders. Applied Acoustics, 2016, 111, 148-160.	3.3	23
41	Stochastic models for phytoplankton dynamics in Mediterranean Sea. Ecological Complexity, 2016, 27, 84-103.	2.9	23
42	Distribution of Cd and As in organs and tissues of four marine mammal species stranded along the Italian coasts. Journal of Environmental Monitoring, 2012, 14, 2382.	2.1	22
43	Linking spatial distribution and feeding behavior of Atlantic horse mackerel (<i>Trachurus trachurus</i>) in the Strait of Sicily (Central Mediterranean Sea). Journal of Sea Research, 2017, 121, 47-58.	1.6	22
44	European anchovy (<i>Engraulis encrasicolus</i>) 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.	1.6	21
45	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.	2.1	20
46	The Graham Bank (Sicily Channel, central Mediterranean Sea): Seafloor signatures of volcanic and tectonic controls. Geomorphology, 2018, 318, 375-389.	2.6	19
47	Trace elements and vanadium in tissues and organs of five species of cetaceans from Italian coasts. Chemistry and Ecology, 2009, 25, 311-323.	1.6	18
48	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.	2.0	18
49	Larval population structure of <i>Engraulis encrasicolus</i> in the Strait of Sicily as revealed by morphometric and genetic analysis. Fisheries Oceanography, 2015, 24, 135-149.	1.7	18
50	Factors structuring reproductive habitat suitability of <i>Engraulis encrasicolus</i> in the south coast of Sicily. Journal of Fish Biology, 2006, 68, 264-275.	1.6	17
51	Insights on the drivers of genetic divergence in the European anchovy. Scientific Reports, 2017, 7, 4180.	3.3	17
52	Stochastic Dynamics of Two Picophytoplankton Populations in a Real Marine Ecosystem. Acta Physica Polonica B, 2013, 44, 977.	0.8	16
53	Seasonal variations in the source of sea bottom organic matter off Catalonia coasts (western) Tj ETQq1 1 0.784314 rgBT /Overlock 10 T 325-343.	1.7	16
54	Liver melanomacrophage centres and CYP1A expression as response biomarkers to environmental pollution in European anchovy (<i>Engraulis encrasicolus</i>) from the western Mediterranean Sea. Marine Pollution Bulletin, 2018, 131, 197-204.	5.0	16

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55	Identifying small pelagic Mediterranean fish schools from acoustic and environmental data using optimized artificial neural networks. <i>Ecological Informatics</i> , 2019, 50, 149-161.	5.2	16
56	Acoustic evaluation of anchovy larvae distribution in relation to oceanography in the Cape Passero area (Strait of Sicily). <i>Chemistry and Ecology</i> , 2006, 22, S265-S273.	1.6	15
57	The influence of physical and biological processes on the ichthyoplankton communities in the Gulf of Sirte (Southern Mediterranean Sea). <i>Marine Ecology</i> , 2016, 37, 831-844.	1.1	15
58	Spawning ecology of the European anchovy (<i>Engraulis encrasicolus</i>) in the Strait of Sicily: Linking variations of zooplankton prey, fish density, growth, and reproduction in an upwelling system. <i>Progress in Oceanography</i> , 2020, 184, 102330.	3.2	15
59	Recognition of water masses according to geochemical signatures in the Central Mediterranean sea: Y/Ho ratio and rare earth element behaviour. <i>Chemistry and Ecology</i> , 2007, 23, 139-153.	1.6	14
60	Effects of habitat conditions at hatching time on growth history of offspring European anchovy, <i>Engraulis encrasicolus</i> , in the Central Mediterranean Sea. <i>Hydrobiologia</i> , 2018, 821, 99-111.	2.0	14
61	Reproductive traits and seasonal variability of <i>Merluccius merluccius</i> from the Tunisian coast. <i>Journal of the Marine Biological Association of the United Kingdom</i> , 2014, 94, 1545-1556.	0.8	13
62	Spatio-temporal dynamics of a planktonic system and chlorophyll distribution in a 2D spatial domain: matching model and data. <i>Scientific Reports</i> , 2017, 7, 220.	3.3	13
63	Underwater vocal complexity of Arctic seal <i>Erignathus barbatus</i> in Kongsfjorden (Svalbard). <i>Journal of the Acoustical Society of America</i> , 2017, 142, 3104-3115.	1.1	13
64	Habitat Suitability Modeling to Identify the Potential Nursery Grounds of the Atlantic Mackerel and Its Relation to Oceanographic Conditions in the Mediterranean Sea. <i>Frontiers in Marine Science</i> , 2017, 4, .	2.5	13
65	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
66	Artisanal fishing, dolphins, and interactive pinger: A study from a passive acoustic perspective. <i>Aquatic Conservation: Marine and Freshwater Ecosystems</i> , 2021, 31, 2241-2256.	2.0	13
67	Application of GAMs and multinomial models to assess the spawning pattern of fishes with daily spawning synchronicity: A case study in the European anchovy (<i>Engraulis encrasicolus</i>) in the central Mediterranean Sea. <i>Fisheries Research</i> , 2015, 167, 92-100.	1.7	12
68	Chronological records of metal deposition in sediments from the Strait of Sicily, central Mediterranean: Assessing natural fluxes and anthropogenic alteration. <i>Journal of Marine Systems</i> , 2010, 79, 157-172.	2.1	11
69	A comparison between acoustic and bottom trawl estimates to reconstruct the biomass trends of sardine and anchovy in the Strait of Sicily (Central Mediterranean). <i>Fisheries Research</i> , 2013, 147, 290-295.	1.7	11
70	Noise Induced Phenomena in the Dynamics of Two Competing Species. <i>Mathematical Modelling of Natural Phenomena</i> , 2016, 11, 158-174.	2.4	11
71	The Fishery and Oceanography Observing System (FOOS): a tool for oceanography and fisheries science. <i>Journal of Operational Oceanography</i> , 2016, 9, s99-s118.	1.2	11
72	Condition of pteropod shells near a volcanic CO ₂ vent region. <i>Marine Environmental Research</i> , 2019, 143, 39-48.	2.5	11

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73	Biocomplexity in Populations of European Anchovy in the Adriatic Sea. PLoS ONE, 2016, 11, e0153061.	2.5	11
74	Catch of pelagic hauls in Mediterranean acoustic surveys: Is it the same between day and night?. Scientia Marina, 2013, 77, 69-79.	0.6	11
75	Rare-earth elements and yttrium distributions in mangrove coastal water systems: The western Gulf of Thailand. Chemistry and Ecology, 2005, 21, 255-277.	1.6	10
76	Trophic relationships between anchovy (<i>Engraulis encrasicolus</i>) and zooplankton in the Strait of Sicily (Central Mediterranean sea): a stable isotope approach. Hydrobiologia, 2018, 821, 41-56.	2.0	10
77	Variation in size at maturity by horse mackerel (<i>Trachurus trachurus</i>) within the central Mediterranean Sea: Implications for investigating drivers of local productivity and applications for resource assessments. Fisheries Research, 2019, 211, 291-299.	1.7	10
78	High Resolution Seismic Reflection Methods to Detect Near Surface Tuff-Cavities: A Case Study in the Neapolitan Area, Italy. Journal of Cave and Karst Studies, 2013, , 51-59.	0.6	10
79	Oocyte batch development and enumeration in the European anchovy (<i>Engraulis encrasicolus</i>). Mediterranean Marine Science, 2016, 17, 670.	1.6	9
80	The role of noise on the steady state distributions of phytoplankton populations. Journal of Statistical Mechanics: Theory and Experiment, 2016, 2016, 054044.	2.3	8
81	Amino acid composition in eyes from zebrafish (<i>Danio rerio</i>) and sardine (<i>Sardina pilchardus</i>) at the larval stage. SpringerPlus, 2016, 5, 519.	1.2	8
82	Observing meteotsunamis (‐Marrobbio‐) on the southwestern coast of Sicily. Natural Hazards, 2021, 106, 1337-1363.	3.4	8
83	Modeling of Sensory Characteristics Based on the Growth of Food Spoilage Bacteria. Mathematical Modelling of Natural Phenomena, 2016, 11, 119-136.	2.4	7
84	Living coccolithophores community from Southern Tyrrhenian Sea (Central Mediterranean ‐ Summer) Tj ETQq0 Q Q rgBT /Qverlock 10	1.2	7
85	First annulus formation in the European anchovy; a two-stage approach for robust validation. Scientific Reports, 2020, 10, 1079.	3.3	7
86	Reproduction and Sexual Maturity of European Sardine (<i>Sardina pilchardus</i>) in the Central Mediterranean Sea. Frontiers in Marine Science, 2021, 8, .	2.5	7
87	Application of high‐throughput single nucleotide polymorphism genotyping for assessing the origin of <i>Engraulis encrasicolus</i> eggs. Aquatic Conservation: Marine and Freshwater Ecosystems, 2020, 30, 1313-1324.	2.0	6
88	Daytime pelagic schooling behaviour and relationships with plankton patch distribution in the Sicily Strait (Mediterranean Sea). Advances in Oceanography and Limnology, 2011, 2, 79.	0.6	6
89	Space utilization by key species of the pelagic fish community in an upwelling ecosystem of the Mediterranean Sea. Hydrobiologia, 2018, 821, 173-190.	2.0	5
90	Relationship between coccolithophores and the physical and chemical oceanography of eastern Libyan coastal waters. Hydrobiologia, 2018, 821, 215-234.	2.0	5

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91	Co-inertia multivariate approach for the evaluation of anthropogenic impact on two commercial fish along Tyrrhenian coasts. <i>Ecotoxicology and Environmental Safety</i> , 2019, 182, 109435.	6.0	5
92	Daytime pelagic schooling behaviour and relationships with plankton patch distribution in the Sicily Strait (Mediterranean Sea). <i>Advances in Oceanography and Limnology</i> , 2011, 2, 79-92.	0.6	4
93	Small pelagic fish assemblages in relation to environmental regimes in the Central Mediterranean. <i>Hydrobiologia</i> , 2018, 821, 113-134.	2.0	4
94	Habitat suitability modelling for a key small pelagic fish species (<i>Sardinella aurita</i>) in the central Mediterranean sea. <i>Hydrobiologia</i> , 2018, 821, 83-98.	2.0	4
95	<i>Engraulis encrasicolus</i> larvae from two different environmental spawning areas of the Central Mediterranean Sea: first data on amino acid profiles and biochemical evaluations. , 2020, 87, 580-590.		4
96	The Mediterranean fishery management: A call for shifting the current paradigm from duplication to synergy. <i>Marine Policy</i> , 2021, 131, 104612.	3.2	4
97	The impact of landfills on the air quality of towns: a simple heuristic model for the city of Palermo. <i>International Journal of Environment and Pollution</i> , 2009, 36, 287.	0.2	3
98	Environmental drivers influencing the abundance of round sardinella (<i>Sardinella aurita</i>) and European sprat (<i>Sprattus sprattus</i>) in different areas of the Mediterranean Sea. <i>Mediterranean Marine Science</i> , 2021, 22, 812.	1.6	3
99	Seasonal variation of reproductive traits of the caramote prawn in the Gulf of Tunis. <i>Aquatic Living Resources</i> , 2015, 28, 89-98.	1.2	2
100	The Autonomous Underwater Data Acquisition System for Physical and Chemical Parameters (AUDAS-PCP) onboard a fishing vessel. <i>Journal of Operational Oceanography</i> , 2016, 9, s58-s65.	1.2	2
101	Growth-related trophic changes of <i>Thunnus thynnus</i> as evidenced by stable nitrogen isotopic values in the first dorsal spine. <i>Scientific Reports</i> , 2020, 10, 9899.	3.3	2
102	Pattern Classification from Multi-beam Acoustic Data Acquired in Kongsfjorden. <i>Lecture Notes in Computer Science</i> , 2021, , 55-64.	1.3	2
103	New Evaluation of Postovulatory Follicle Degeneration at High-Temperature Regimes Refines Criteria for the Identification of Spawning Cohorts in the European Anchovy (<i>Engraulis encrasicolus</i>). <i>Animals</i> , 2021, 11, 529.	2.3	2
104	A novel method to simulate the 3D chlorophyll distribution in marine oligotrophic waters. <i>Communications in Nonlinear Science and Numerical Simulation</i> , 2021, 103, 106000.	3.3	2
105	Acoustic correction factor estimate for compensating vertical diel migration of small pelagics. <i>Mediterranean Marine Science</i> , 2021, 22, 784.	1.6	2
106	Automatic classification of acoustically detected krill aggregations: A case study from Southern Ocean. <i>Environmental Modelling and Software</i> , 2022, 151, 105357.	4.5	2
107	A pattern recognition approach to identify biological clusters acquired by acoustic multi-beam in Kongsfjorden. <i>Environmental Modelling and Software</i> , 2022, , 105401.	4.5	2
108	Marine ecosystems and living resources in the Central Mediterranean Sea: an introduction. <i>Hydrobiologia</i> , 2018, 821, 1-10.	2.0	1

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109	Unsupervised Classification of Acoustic Echoes from Two Krill Species in the Southern Ocean (Ross) Tj ETQq1 1 0.784314 rgBT /Overl	1.3	1
110	Effects of sampling intensity and biomass levels on the precision of acoustic surveys in the Mediterranean Sea. Mediterranean Marine Science, 2021, 22, 769.	1.6	1
111	Linking air-sea energy exchanges and European anchovy potential spawning ground. European Physical Journal B, 2008, 65, 459-467.	1.5	0
112	CODEVELOP RESEARCH AND INNOVATION FOR BLUE JOBS AND GROWTH IN THE MEDITERRANEAN - THE BLUEMED INITIATIVE. Environmental Engineering and Management Journal, 2018, 17, 2313-2327.	0.6	0