

Angelo Bonanno

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/4248128/publications.pdf>

Version: 2024-02-01

112
papers

2,779
citations

172207

29
h-index

223531

46
g-index

115
all docs

115
docs citations

115
times ranked

2860
citing authors

#	ARTICLE	IF	CITATIONS
1	Automatic classification of acoustically detected krill aggregations: A case study from Southern Ocean. <i>Environmental Modelling and Software</i> , 2022, 151, 105357.	1.9	2
2	A pattern recognition approach to identify biological clusters acquired by acoustic multi-beam in Kongsfjorden. <i>Environmental Modelling and Software</i> , 2022, , 105401.	1.9	2
3	Observing meteotsunamis (â€œMarrobbioâ€) on the southwestern coast of Sicily. <i>Natural Hazards</i> , 2021, 106, 1337-1363.	1.6	8
4	Pattern Classification from Multi-beam Acoustic Data Acquired in Kongsfjorden. <i>Lecture Notes in Computer Science</i> , 2021, , 55-64.	1.0	2
5	Unsupervised Classification of Acoustic Echoes from Two Krill Species in the Southern Ocean (Ross) Tj ETQq1 1 0.784314 rgBT /Overl	1.0	1
6	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.	1.0	2
7	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.	0.9	13
8	Reproduction and Sexual Maturity of European Sardine (<i>Sardina pilchardus</i>) in the Central Mediterranean Sea. <i>Frontiers in Marine Science</i> , 2021, 8, .	1.2	7
9	The Mediterranean fishery management: A call for shifting the current paradigm from duplication to synergy. <i>Marine Policy</i> , 2021, 131, 104612.	1.5	4
10	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.	1.7	2
11	Acoustic correction factor estimate for compensating vertical diel migration of small pelagics. <i>Mediterranean Marine Science</i> , 2021, 22, 784.	0.6	2
12	Effects of sampling intensity and biomass levels on the precision of acoustic surveys in the Mediterranean Sea. <i>Mediterranean Marine Science</i> , 2021, 22, 769.	0.6	1
13	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.	0.6	3
14	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.	1.6	2
15	<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
16	Application of high-throughput single nucleotide polymorphism genotyping for assessing the origin of <i>Engraulis encrasicolus</i> eggs. <i>Aquatic Conservation: Marine and Freshwater Ecosystems</i> , 2020, 30, 1313-1324.	0.9	6
17	First annulus formation in the European anchovy; a two-stage approach for robust validation. <i>Scientific Reports</i> , 2020, 10, 1079.	1.6	7
18	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.	1.5	15

#	ARTICLE	IF	CITATIONS
19	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.	2.9	5
20	Identifying small pelagic Mediterranean fish schools from acoustic and environmental data using optimized artificial neural networks. <i>Ecological Informatics</i> , 2019, 50, 149-161.	2.3	16
21	Condition of pteropod shells near a volcanic CO ₂ vent region. <i>Marine Environmental Research</i> , 2019, 143, 39-48.	1.1	11
22	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. <i>Fisheries Research</i> , 2019, 211, 291-299.	0.9	10
23	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.	1.0	14
24	Liver melanomacrophage centres and CYP1A expression as response biomarkers to environmental pollution in European anchovy (<i>Engraulis encrasicolus</i>) from the western Mediterranean Sea. <i>Marine Pollution Bulletin</i> , 2018, 131, 197-204.	2.3	16
25	Small pelagic fish assemblages in relation to environmental regimes in the Central Mediterranean. <i>Hydrobiologia</i> , 2018, 821, 113-134.	1.0	4
26	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.	1.0	4
27	Space utilization by key species of the pelagic fish community in an upwelling ecosystem of the Mediterranean Sea. <i>Hydrobiologia</i> , 2018, 821, 173-190.	1.0	5
28	Relationship between coccolithophores and the physical and chemical oceanography of eastern Libyan coastal waters. <i>Hydrobiologia</i> , 2018, 821, 215-234.	1.0	5
29	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.	1.0	13
30	Trophic relationships between anchovy (<i>Engraulis encrasicolus</i>) and zooplankton in the Strait of Sicily (Central Mediterranean sea): a stable isotope approach. <i>Hydrobiologia</i> , 2018, 821, 41-56.	1.0	10
31	Marine ecosystems and living resources in the Central Mediterranean Sea: an introduction. <i>Hydrobiologia</i> , 2018, 821, 1-10.	1.0	1
32	The Graham Bank (Sicily Channel, central Mediterranean Sea): Seafloor signatures of volcanic and tectonic controls. <i>Geomorphology</i> , 2018, 318, 375-389.	1.1	19
33	CODEVELOP RESEARCH AND INNOVATION FOR BLUE JOBS AND GROWTH IN THE MEDITERRANEAN - THE BLUEMED INITIATIVE. <i>Environmental Engineering and Management Journal</i> , 2018, 17, 2313-2327.	0.2	0
34	Linking spatial distribution and feeding behavior of Atlantic horse mackerel (<i>Trachurus trachurus</i>) in the Strait of Sicily (Central Mediterranean Sea). <i>Journal of Sea Research</i> , 2017, 121, 47-58.	0.6	22
35	Living coccolithophores community from Southern Tyrrhenian Sea (Central Mediterranean Sea) Summer 2017. <i>Journal of Marine Research</i> , 2018, 76, 1-17.	0.5	7
36	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.	1.6	13

#	ARTICLE	IF	CITATIONS
37	Spatio-temporal patterns and environmental controls of small pelagic fish body condition from contrasted Mediterranean areas. <i>Progress in Oceanography</i> , 2017, 151, 149-162.	1.5	87
38	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.	0.5	13
39	Insights on the drivers of genetic divergence in the European anchovy. <i>Scientific Reports</i> , 2017, 7, 4180.	1.6	17
40	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, .	1.2	13
41	Noise Induced Phenomena in the Dynamics of Two Competing Species. <i>Mathematical Modelling of Natural Phenomena</i> , 2016, 11, 158-174.	0.9	11
42	The role of noise on the steady state distributions of phytoplankton populations. <i>Journal of Statistical Mechanics: Theory and Experiment</i> , 2016, 2016, 054044.	0.9	8
43	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.	0.4	15
44	The Fishery and Oceanography Observing System (FOOS): a tool for oceanography and fisheries science. <i>Journal of Operational Oceanography</i> , 2016, 9, s99-s118.	0.6	11
45	Amino acid composition in eyes from zebrafish (<i>Danio rerio</i>) and sardine (<i>Sardina pilchardus</i>) at the larval stage. <i>SpringerPlus</i> , 2016, 5, 519.	1.2	8
46	High resolution 3-D shapes of fish schools: A new method to use the water column backscatter from hydrographic MultiBeam Echo Sounders. <i>Applied Acoustics</i> , 2016, 111, 148-160.	1.7	23
47	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.	0.9	35
48	Modeling of Sensory Characteristics Based on the Growth of Food Spoilage Bacteria. <i>Mathematical Modelling of Natural Phenomena</i> , 2016, 11, 119-136.	0.9	7
49	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.	0.6	2
50	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. <i>Journal of Sea Research</i> , 2016, 115, 6-17.	0.6	25
51	Spatial variations in feeding habits and trophic levels of two small pelagic fish species in the central Mediterranean Sea. <i>Marine Environmental Research</i> , 2016, 115, 65-77.	1.1	50
52	Stochastic models for phytoplankton dynamics in Mediterranean Sea. <i>Ecological Complexity</i> , 2016, 27, 84-103.	1.4	23
53	Oocyte batch development and enumeration in the European anchovy (<i>Engraulis encrasicolus</i>). <i>Mediterranean Marine Science</i> , 2016, 17, 670.	0.6	9
54	Biocomplexity in Populations of European Anchovy in the Adriatic Sea. <i>PLoS ONE</i> , 2016, 11, e0153061.	1.1	11

#	ARTICLE	IF	CITATIONS
55	Seasonal variation of reproductive traits of the caramote prawn in the Gulf of Tunis. <i>Aquatic Living Resources</i> , 2015, 28, 89-98.	0.5	2
56	Interannual Changes in Biomass Affect the Spatial Aggregations of Anchovy and Sardine as Evidenced by Geostatistical and Spatial Indicators. <i>PLoS ONE</i> , 2015, 10, e0135808.	1.1	26
57	Seasonal variations in the source of sea bottom organic matter off Catalonia coasts (western) Tj ETQq1 1 0.784314 rgBT /Overlock 10 325-343.	0.7	16
58	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. <i>Hydrobiologia</i> , 2015, 755, 209-224.	1.0	18
59	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.	0.9	12
60	Larval population structure of <i>Engraulis encrasicolus</i> in the Strait of Sicily as revealed by morphometric and genetic analysis. <i>Fisheries Oceanography</i> , 2015, 24, 135-149.	0.9	18
61	Habitat Selection Response of Small Pelagic Fish in Different Environments. Two Examples from the Oligotrophic Mediterranean Sea. <i>PLoS ONE</i> , 2014, 9, e101498.	1.1	48
62	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.	0.4	13
63	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.	0.9	32
64	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.	0.8	26
65	Variability of water mass properties in the Strait of Sicily in summer period of 1998â€™2013. <i>Ocean Science</i> , 2014, 10, 759-770.	1.3	60
66	Spatio-temporal behaviour of the deep chlorophyll maximum in Mediterranean Sea: Development of a stochastic model for picophytoplankton dynamics. <i>Ecological Complexity</i> , 2013, 13, 21-34.	1.4	101
67	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.	0.9	11
68	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.	0.9	26
69	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.	1.0	35
70	Mercury in fishes from Augusta Bay (southern Italy): Risk assessment and health implication. <i>Food and Chemical Toxicology</i> , 2013, 56, 184-194.	1.8	88
71	Spawning site selection by European anchovy (<i>Engraulis encrasicolus</i>) in relation to oceanographic conditions in the Strait of Sicily. <i>Fisheries Oceanography</i> , 2013, 22, 309-323.	0.9	71
72	Characterizing the potential habitat of European anchovy <i>Engraulis encrasicolus</i> in the Mediterranean Sea, at different life stages. <i>Fisheries Oceanography</i> , 2013, 22, 69-89.	0.9	124

#	ARTICLE	IF	CITATIONS
73	Stochastic Dynamics of Two Picophytoplankton Populations in a Real Marine Ecosystem. <i>Acta Physica Polonica B</i> , 2013, 44, 977.	0.3	16
74	Dynamics of Two Picophytoplankton Groups in Mediterranean Sea: Analysis of the Deep Chlorophyll Maximum by a Stochastic Advection-Reaction-Diffusion Model. <i>PLoS ONE</i> , 2013, 8, e66765.	1.1	107
75	Catch of pelagic hauls in Mediterranean acoustic surveys: Is it the same between day and night?. <i>Scientia Marina</i> , 2013, 77, 69-79.	0.3	11
76	High Resolution Seismic Reflection Methods to Detect Near Surface Tuff-Cavities: A Case Study in the Neapolitan Area, Italy. <i>Journal of Cave and Karst Studies</i> , 2013, , 51-59.	0.3	10
77	Title is missing!. <i>Acta Physica Polonica B</i> , 2012, 43, 1227.	0.3	72
78	Stranded cetaceans as indicators of mercury pollution in the Mediterranean Sea. <i>Italian Journal of Zoology</i> , 2012, 79, 151-160.	0.6	25
79	Distribution of Cd and As in organs and tissues of four marine mammal species stranded along the Italian coasts. <i>Journal of Environmental Monitoring</i> , 2012, 14, 2382.	2.1	22
80	Identification of subpopulations in pelagic marine fish species using amino acid composition. <i>Hydrobiologia</i> , 2011, 670, 189-199.	1.0	31
81	Habitat suitability modelling for sardine <i>Sardina pilchardus</i> in a highly diverse ecosystem: the Mediterranean Sea. <i>Marine Ecology - Progress Series</i> , 2011, 443, 181-205.	0.9	67
82	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.	0.2	4
83	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.	0.2	6
84	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.	0.9	11
85	Effect of atmospheric CO ₂ and solar activity on wind regime and water column stability in the major global upwelling areas. <i>Estuarine, Coastal and Shelf Science</i> , 2010, 88, 45-52.	0.9	20
86	The Impact of the Little Ice Age on Coccolithophores in the Central Mediterranean Sea. <i>Climate of the Past</i> , 2010, 6, 795-805.	1.3	36
87	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. <i>Scientia Marina</i> , 2010, 74, 577-588.	0.3	46
88	Trace elements and vanadium in tissues and organs of five species of cetaceans from Italian coasts. <i>Chemistry and Ecology</i> , 2009, 25, 311-323.	0.6	18
89	Pinger affects fish catch efficiency and damage to bottom gill nets related to bottlenose dolphins. <i>Fisheries Science</i> , 2009, 75, 537-544.	0.7	38
90	Estimation of biogas produced by the landfill of Palermo, applying a Gaussian model. <i>Waste Management</i> , 2009, 29, 233-239.	3.7	27

#	ARTICLE	IF	CITATIONS
91	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.	0.4	30
92	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
93	Linking air-sea energy exchanges and European anchovy potential spawning ground. <i>European Physical Journal B</i> , 2008, 65, 459-467.	0.6	0
94	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.	0.9	43
95	Calcareous nannofossil surface sediment assemblages from the Sicily Channel (central) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 58	0.5	27
96	Holocene millennial-scale productivity variations in the Sicily Channel (Mediterranean Sea). <i>Paleoceanography</i> , 2008, 23, .	3.0	59
97	A multiphysics approach to the design of a seawave energy conversion system. , 2008, , .		39
98	Evidence of a dense water vein along the Libyan continental margin. <i>Annales Geophysicae</i> , 2008, 26, 1-6.	0.6	32
99	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.	0.6	14
100	Effects of the 2003 European heatwave on the Central Mediterranean Sea: surface fluxes and the dynamical response. <i>Ocean Science</i> , 2007, 3, 273-289.	1.3	98
101	Factors structuring reproductive habitat suitability of <i>Engraulis encrasicolus</i> in the south coast of Sicily. <i>Journal of Fish Biology</i> , 2006, 68, 264-275.	0.7	17
102	Effect of habitat conditions on reproduction of the European anchovy (<i>Engraulis</i>) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 302 Id (encr	0.9	101
103	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.	0.6	15
104	Rare-earth elements and yttrium distributions in mangrove coastal water systems: The western Gulf of Thailand. <i>Chemistry and Ecology</i> , 2005, 21, 255-277.	0.6	10
105	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.	0.6	37
106	Mesopelagic Fish Larvae Species in the Strait of Sicily and their Relationships to Main Oceanographic Events. <i>Hydrobiologia</i> , 2004, 527, 177-182.	1.0	37
107	Rare earth elements distribution in seawater and suspended particulate of the Central Mediterranean Sea. <i>Chemistry and Ecology</i> , 2004, 20, 323-343.	0.6	46
108	Linking habitat conditions and growth in the European anchovy (<i>Engraulis encrasicolus</i>). <i>Fisheries Research</i> , 2004, 68, 9-19.	0.9	76

#	ARTICLE	IF	CITATIONS
109	Anchovy egg and larval distribution in relation to biological and physical oceanography in the Strait of Sicily. <i>Hydrobiologia</i> , 2003, 503, 117-120.	1.0	40
110	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.	0.3	42
111	The "Mad Sea" Phenomenon in the Strait of Sicily. <i>Journal of Physical Oceanography</i> , 1999, 29, 2210-2231.	0.7	59
112	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. <i>Mediterranean Marine Science</i> , 0, , 504.	0.6	21