Adriana Zingone

List of Publications by Year
in descending order

127 papers	12,304 citations	44069 48 h-index	29157 104 g-index
132 all docs	132 docs citations	132 times ranked	11462 citing authors

#	Article	IF	Citations
1	Eukaryotic plankton diversity in the sunlit ocean. Science, 2015, 348, 1261605.	12.6	1,551
2	The Marine Microbial Eukaryote Transcriptome Sequencing Project (MMETSP): Illuminating the Functional Diversity of Eukaryotic Life in the Oceans through Transcriptome Sequencing. PLoS Biology, 2014, 12, e1001889.	5.6	885
3	Green and golden seaweed tides on the rise. Nature, 2013, 504, 84-88.	27.8	633
4	Insights into global diatom distribution and diversity in the worldâ€™s ocean. Proceedings of the National Academy of Sciences of the United States of America, 2016, 113, E1516-25.	7.1	561
5	Plankton in the open Mediterranean Sea: a review. Biogeosciences, 2010, 7, 1543-1586.	3.3	494
6	Patterns of Rare and Abundant Marine Microbial Eukaryotes. Current Biology, 2014, 24, 813-821.	3.9	450
7	Alien species in the Mediterranean Sea by 2010. A contribution to the application of European Unionâ€™s Marine Strategy Framework Directive (MSFD). Part I. Spatial distribution. Mediterranean Marine Science, 2012, 11, 381.	1.6	392
8	Marine protist diversity in <scp>E</scp>uropean coastal waters and sediments as revealed by highâ€throughput sequencing. Environmental Microbiology, 2015, 17, 4035-4049.	3.8	384
9	A Holistic Approach to Marine Eco-Systems Biology. PLoS Biology, 2011, 9, e1001177.	5.6	353
10	DIVERSITY IN THE GENUSSKELETONEMA(BACILLARIOPHYCEAE). II. AN ASSESSMENT OF THE TAXONOMY OFS. COSTATUM-LIKE SPECIES WITH THE DESCRIPTION OF FOUR NEW SPECIES. Journal of Phycology, 2005, 41, 151-176.	2.3	336
11	The diversity of harmful algal blooms: a challenge for science and management. Ocean and Coastal Management, 2000, 43, 725-748.	4.4	274
12	Global Trends in Marine Plankton Diversity across Kingdoms of Life. Cell, 2019, 179, 1084-1097.e21.	28.9	271
13	Seasonal patterns in plankton communities in a pluriannual time series at a coastal Mediterranean site (Gulf of Naples): an attempt to discern recurrences and trends. Scientia Marina, 2004, 68, 65-83.	0.6	258
14	Global Diversity and Biogeography of Skeletonema Species (Bacillariophyta). Protist, 2008, 159, 177-193.	1.5	231
15	Phyto<scp>REF</scp>: a reference database of the plastidial 16S <scp>rRNA</scp> gene of photosynthetic eukaryotes with curated taxonomy. Molecular Ecology Resources, 2015, 15, 1435-1445.	4.8	198
16	The ocean sampling day consortium. GigaScience, 2015, 4, 27.	6.4	185
17	Perceived global increase in algal blooms is attributable to intensified monitoring and emerging bloom impacts. Communications Earth & Environment, 2021, 2, .	6.8	185
18	Diversity and temporal patterns of planktonic protist assemblages at a Mediterranean Long Term Ecological Research site. FEMS Microbiology Ecology, 2017, 93, fiw200.	2.7	173

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19	Environmental characteristics of Agulhas rings affect interocean plankton transport. Science, 2015, 348, 1261447.	12.6	158
20	Dinoflagellate cyst production at a coastal Mediterranean site. Journal of Plankton Research, 1998, 20, 2291-2312.	1.8	152
21	Potentially toxic and harmful microalgae from coastal waters of the Campania region (Tyrrhenian) Tj ETQq1 1 0.784314 rgBT /Overloc	4.8	121
22	DIVERSITY IN THE GENUSSKELETONEMA(BACILLARIOPHYCEAE): III. PHYLOGENETIC POSITION AND MORPHOLOGICAL VARIABILITY OFSKELETONEMA COSTATUMANDSKELETONEMA GREVILLEI, WITH THE DESCRIPTION OFSKELETONEMA ARDENSSP. NOV.. Journal of Phycology, 2007, 43, 156-170.	2.3	116
23	The alternation of different morphotypes in the seasonal cycle of the toxic diatom Pseudo-nitzschia galaxiae. Harmful Algae, 2005, 4, 33-48.	4.8	101
24	Comparison of coastal phytoplankton composition estimated from the V4 and V9 regions of the 18S rRNA gene with a focus on photosynthetic groups and especially Chlorophyta. Environmental Microbiology, 2018, 20, 506-520.	3.8	101
25	DIVERSITY IN THE GENUSSKELETONEMA(BACILLARIOPHYCEAE). I. A REEXAMINATION OF THE TYPE MATERIAL OFS. COSTATUMWITH THE DESCRIPTION OFS. GREVILLEISP. NOV.. Journal of Phycology, 2005, 41, 140-150.	2.3	100
26	Placing Environmental Next-Generation Sequencing Amplicons from Microbial Eukaryotes into a Phylogenetic Context. Molecular Biology and Evolution, 2014, 31, 993-1009.	8.9	97
27	The time for sex: A biennial life cycle in a marine planktonic diatom. Limnology and Oceanography, 2010, 55, 106-114.	3.1	94
28	Benthic protists: the under-charted majority. FEMS Microbiology Ecology, 2016, 92, fiw120.	2.7	94
29	New palytoxin-like molecules in Mediterranean Ostreopsis cf. ovata (dinoflagellates) and in Palythoa tuberculosa detected by liquid chromatography-electrospray ionization time-of-flight mass spectrometry. Toxicon, 2010, 56, 1381-1387.	1.6	86
30	Toxic marine microalgae and noxious blooms in the Mediterranean Sea: A contribution to the Global HAB Status Report. Harmful Algae, 2021, 102, 101843.	4.8	79
31	MORPHOLOGICAL AND GENETIC CHARACTERIZATION OF PHAEOCYSTIS CORDATA AND P. JAHNII (PRYMNESIOPHYCEAE), TWO NEW SPECIES FROM THE MEDITERRANEAN SEA. Journal of Phycology, 1999, 35, 1322-1337.	2.3	78
32	Harmful Algal Blooms in Benthic Systems: Recent Progress and Future Research. Oceanography, 2017, 30, 36-45.	1.0	76
33	Communityâ€Level Responses to Iron Availability in Open Ocean Plankton Ecosystems. Global Biogeochemical Cycles, 2019, 33, 391-419.	4.9	76
34	Genetic diversity of eukaryotic ultraphytoplankton in the Gulf of Naples during an annual cycle. Aquatic Microbial Ecology, 2007, 50, 75-89.	1.8	75
35	Global harmful algal bloom status reporting. Harmful Algae, 2021, 102, 101992.	4.8	74
36	A taxonomic review of the genus Phaeocystis. Biogeochemistry, 2007, 83, 3-18.	3.5	71

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37	Unarmoured and thin-walled dinoflagellates from the Gulf of Naples, with the description of Woloszynskia cincta sp. nov. (Dinophyceae, Suessiales). Phycologia, 2009, 48, 44-65.	1.4	71
38	Seasonal dynamics in the abundance of Micromonas pusilla (Prasinophyceae) and its viruses in the Gulf of Naples (Mediterranean Sea). Journal of Plankton Research, 1999, 21, 2143-2159.	1.8	70
39	A new potentially toxic <scp>A</scp>zadinium species (<scp>D</scp>inophyceae) from the <scp>M</scp>editerranean Sea, <scp>A</scp>.Âdexteroporum sp. nov.. Journal of Phycology, 2013, 49, 950-966.	2.3	67
40	Identifying Pseudo-nitzschia species in natural samples using genus-specific PCR primers and clone libraries. Harmful Algae, 2007, 6, 849-860.	4.8	64
41	Multiscale Variability of Twenty-Two Coastal Phytoplankton Time Series: a Global Scale Comparison. Estuaries and Coasts, 2010, 33, 224-229.	2.2	64
42	Coastal Phytoplankton Do Not Rest in Winter. Estuaries and Coasts, 2010, 33, 342-361.	2.2	61
43	Growth and toxicity responses of Mediterranean Ostreopsis cf. ovata to seasonal irradiance and temperature conditions. Harmful Algae, 2012, 17, 25-34.	4.8	60
44	Diversity and temporal pattern of Pseudo-nitzschia species (Bacillariophyceae) through the molecular lens. Harmful Algae, 2015, 42, 15-24.	4.8	59
45	Functional diversity in cryptic species of Chaetoceros socialis Lauder (Bacillariophyceae). Journal of Plankton Research, 2012, 34, 416-431.	1.8	58
46	Ecosystem vulnerability to alien and invasive species: a case study on marine habitats along the Italian coast. Aquatic Conservation: Marine and Freshwater Ecosystems, 2016, 26, 392-409.	2.0	55
47	Diversity and germination patterns of diatom resting stages at a coastal Mediterranean site. Marine Ecology - Progress Series, 2013, 484, 79-95.	1.9	53
48	Cell volumes of marine phytoplankton from globally distributed coastal data sets. Estuarine, Coastal and Shelf Science, 2015, 162, 130-142.	2.1	52
49	Scrippsiella precaria sp. nov. (Dinophyceae), a marine dinoflagellate from the Gulf of Naples. Phycologia, 1988, 27, 387-394.	1.4	51
50	The founding charter of the Genomic Observatories Network. GigaScience, 2014, 3, 2.	6.4	51
51	Plankton dynamics across the freshwater, transitional and marine research sites of the LTER-Italy Network. Patterns, fluctuations, drivers. Science of the Total Environment, 2018, 627, 373-387.	8.0	51
52	A survey of cryptomonad diversity and seasonality at a coastal Mediterranean site. European Journal of Phycology, 2006, 41, 363-378.	2.0	50
53	Mediterranean Azadinium dexteroporum (Dinophyceae) produces six novel azaspiracids and azaspiracid-35: a structural study by a multi-platform mass spectrometry approach. Analytical and Bioanalytical Chemistry, 2017, 409, 1121-1134.	3.7	50
54	Diatom diversity through HTS-metabarcoding in coastal European seas. Scientific Reports, 2018, 8, 18059.	3.3	48

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55	Time series and beyond: multifaceted plankton research at a marine Mediterranean LTER site. Nature Conservation, 0, 34, 273-310.	0.0	48
56	Disentangling physical and biological drivers of phytoplankton dynamics in a coastal system. Scientific Reports, 2017, 7, 15868.	3.3	47
57	Molecular analyses of protists in long-term observation programmesâ€"current status and future perspectives. Journal of Plankton Research, 2018, 40, 519-536.	1.8	47
58	â€˜St Martin's Summerâ€™: the case of an autumn phytoplankton bloom in the Gulf of Naples (Mediterranean Sea). Journal of Plankton Research, 1995, 17, 575-593.	1.8	44
59	Phytoplankton biomass and species composition in a Mediterranean coastal lagoon. Hydrobiologia, 1993, 271, 27-40.	2.0	42
60	THE CALCAREOUS RESTING CYST OF PENTAPHARSODINIUM TYRRHENICUM COMB. NOV. (DINOPHYCEAE)1. Journal of Phycology, 1993, 29, 223-230.	2.3	42
61	A massive and simultaneous sex event of two Pseudo-nitzschia species. Deep-Sea Research Part II: Topical Studies in Oceanography, 2010, 57, 248-255.	1.4	42
62	Summer Phytoplankton Physiognomy in Coastal Waters of the Gulf of Naples. Marine Ecology, 1990, 11, 157-172.	1.1	41
63	Morphological variability of the potentially toxic dinoflagellateDinophysis sacculus(Dinophyceae) and its taxonomic relationships withD. pavillardiiandD. acuminata. European Journal of Phycology, 1998, 33, 259-273.	2.0	41
64	Diversity in morphology, infectivity, molecular characteristics and induced host resistance between two viruses infecting Micromonas pusilla. Aquatic Microbial Ecology, 2006, 45, 1-14.	1.8	40
65	Calcareous dinoflagellate cysts in marine sediments of the Gulf of Naples (Mediterranean Sea). Review of Palaeobotany and Palynology, 1994, 84, 45-56.	1.5	39
66	A reappraisal of the genus <scp>L</scp>eptocylindrus (<scp>B</scp>acillariophyta), with the addition of three species and the erection of <scp>T</scp>enuicylindrus gen. nov. Journal of Phycology, 2013, 49, 917-936.	2.3	39
67	Assessment of Species Diversity and Distribution of an Ancient Diatom Lineage Using a DNA Metabarcoding Approach. PLoS ONE, 2014, 9, e103810.	2.5	39
68	Filament formation and evolution in buoyant coastal waters: Observation and modelling. Progress in Oceanography, 2012, 106, 118-137.	3.2	37
69	Quantitative histopathology of the Mediterranean mussel (Mytilus galloprovincialis L.) exposed to the harmful dinoflagellate Ostreopsis cf. ovata. Journal of Invertebrate Pathology, 2015, 127, 130-140.	3.2	37
70	The role of platelet ice microalgae in seeding phytoplankton blooms in Terra Nova Bay (Ross Sea,) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50	1.2	35
71	Phytoplankton diversity during the spring bloom in the northwestern Mediterranean Sea. Botanica Marina, 2011, 54, .	1.2	35
72	Increasing the quality, comparability and accessibility of phytoplankton species composition time-series data. Estuarine, Coastal and Shelf Science, 2015, 162, 151-160.	2.1	35

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73	The greenâ€“blue swing: plasticity of plankton foodâ€webs in response to coastal oceanographic dynamics. Marine Ecology, 2015, 36, 1155-1170.	1.1	35
74	Oxylipin Diversity in the Diatom Family Leptocylindraceae Reveals DHA Derivatives in Marine Diatoms. Marine Drugs, 2014, 12, 368-384.	4.6	32
75	PHYLOGENETIC POSITION OF CRUSTOMASTIX STIGMATICA SP. NOV. AND DOLICHOMASTIX TENUILEPIS IN RELATION TO THE MAMIELLALES (PRASINOPHYCEAE, CHLOROPHYTA)1. Journal of Phycology, 2002, 38, 1024-1039.	2.3	31
76	Phylogeny and morphology of a Chattonella (Raphidophyceae) species from the Mediterranean Sea: what is C. subsalsa?. European Journal of Phycology, 2013, 48, 79-92.	2.0	31
77	ILTER â€“ The International Long-Term Ecological Research Network as a Platform for Global Coastal and Ocean Observation. Frontiers in Marine Science, 2019, 6, .	2.5	31
78	Ultrastructural Features of the Benthic Dinoflagellate Ostreopsis cf. ovata (Dinophyceae). Protist, 2014, 165, 260-274.	1.5	30
79	A robust approach to estimate relative phytoplankton cell abundances from metagenomes. Molecular Ecology Resources, 2023, 23, 16-40.	4.8	29
80	Phytoplankton biodiversity and NW Mediterranean Sea warming: changes in the dinoflagellate genus Ceratium in the 20th century. Marine Ecology - Progress Series, 2009, 375, 85-99.	1.9	28
81	Diatom Resting Stages in Surface Sediments: A Pilot Study Comparing Next Generation Sequencing and Serial Dilution Cultures. Cryptogamie, Algologie, 2017, 38, 31-46.	0.9	28
82	The cyst-motile stage relationships of the dinoflagellatesDiplopelta symmetricaandDiplopsalopsis latipeltata. European Journal of Phycology, 1993, 28, 129-137.	2.0	27
83	Estimating time series phytoplankton carbon biomass: Inter-lab comparison of species identification and comparison of volume-to-carbon scaling ratios. Estuarine, Coastal and Shelf Science, 2015, 162, 143-150.	2.1	27
84	Subtle reproductive impairment through nitric oxide-mediated mechanisms in sea urchins from an area affected by harmful algal blooms. Scientific Reports, 2016, 6, 26086.	3.3	27
85	The epibiotic life of the cosmopolitan diatom Fragilariopsis doliolus on heterotrophic ciliates in the open ocean. ISME Journal, 2018, 12, 1094-1108.	9.8	26
86	Large scale patterns of marine diatom richness: Drivers and trends in a changing ocean. Global Ecology and Biogeography, 2020, 29, 1915-1928.	5.8	26
87	Genome-enabled phylogenetic and functional reconstruction of an araphid pennate diatom Plagiostriata sp. CCMP470, previously assigned as a radial centric diatom, and its bacterial commensal. Scientific Reports, 2020, 10, 9449.	3.3	25
88	The importance and distinctiveness of small-sized phytoplankton in the Magellan Straits. Polar Biology, 2011, 34, 1269-1284.	1.2	24
89	Do plankton reflect the environmental quality status? The case of a post-industrial Mediterranean Bay. Marine Environmental Research, 2020, 160, 104980.	2.5	24
90	AN ELECTRON MICROSCOPE INVESTIGATION ONCHAETOCEROS MINIMUS(LEVANDER) COMB. NOV. AND NEW OBSERVATIONS ONCHAETOCEROS THRONDSENII(MARINO, MONTRESOR AND ZINGONE) COMB. NOV.. Diatom Research, 1991, 6, 317-326.	1.2	23

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91	Metabolic fingerprinting reveals differences between northern and southern strains of the cryptic diatomChaetoceros socialis. European Journal of Phycology, 2012, 47, 480-489.	2.0	23
92	Spring-time dynamics of diatom communities in landfast and underlying platelet ice in Terra Nova Bay, Ross Sea, Antarctica. Journal of Marine Systems, 2017, 166, 26-36.	2.1	21
93	The role of viruses in the dynamics of phytoplankton blooms. Giornale Botanico Italiano (Florence,) Tj ETQq1 1 0.784314 rgBT /Overlock	0.0	20
94	First observations of heterococcolithophoreâ€“holococcolithophore life cycle combinations in the family Pontosphaeraceae (Calcihaptophycideae, Haptophyta). Marine Micropaleontology, 2009, 71, 20-27.	1.2	19
95	Ocurrence of Ostreopsis in two temperate coastal bays (SW iberia): Insights from the plankton. Harmful Algae, 2019, 86, 20-36.	4.8	19
96	Metazoan diversity and seasonality through eDNA metabarcoding at a Mediterranean long-term ecological research site. ICES Journal of Marine Science, 2021, 78, 3303-3316.	2.5	19
97	Dolichomastix tenuilepis sp. nov., a first insight into the microanatomy of the genus Dolichomastix (Mamiellales, Prasinophyceae, Chlorophyta). Phycologia, 1997, 36, 244-254.	1.4	18
98	Morphological characterization ofPhaeocystis antarctica(Prymnesiophyceae). Phycologia, 2011, 50, 650-660.	1.4	18
99	Habitat Heterogeneity and Connectivity: Effects on the Planktonic Protist Community Structure at Two Adjacent Coastal Sites (the Lagoon and the Gulf of Venice, Northern Adriatic Sea, Italy) Revealed by Metabarcoding. Frontiers in Microbiology, 2019, 10, 2736.	3.5	18
100	MIRALTIA THRONDSENIIGEN.NOV., SP.NOV., A PLANKTONIC DIATOM FROM THE GULF OF NAPLES. Diatom Research, 1987, 2, 205-211.	1.2	17
101	Population dynamics of red tide dinoflagellates. Deep-Sea Research Part II: Topical Studies in Oceanography, 2014, 101, 231-236.	1.4	17
102	Intraspecific Diversity in the Cold Stress Response of Transposable Elements in the Diatom Leptocylindrus aporus. Genes, 2020, 11, 9.	2.4	16
103	Temporal changes of genetic structure and diversity in a marine diatom genus discovered via metabarcoding. Environmental DNA, 2022, 4, 763-775.	5.8	16
104	Molecular identification of Ostreopsis cf. ovata in filter feeders and putative predators. Harmful Algae, 2013, 21-22, 20-29.	4.8	15
105	Biological Effects of the Azaspiracid-Producing Dinoflagellate Azadinium dexteroporum in Mytilus galloprovincialis from the Mediterranean Sea. Marine Drugs, 2019, 17, 595.	4.6	15
106	Species detection and delineation in the marine planktonic diatoms <scp>Chaetoceros</scp> and <scp>Bacteriastrum</scp> through metabarcoding: making biological sense of haplotype diversity. Environmental Microbiology, 2020, 22, 1917-1929.	3.8	15
107	Pyramimonas oltmannsii (Prasinophyceae) reinvestigated. Phycologia, 1995, 34, 241-249.	1.4	14
108	Prorocentrum nux sp. nov. (Dinophyceae), a small planktonic dinoflagellate from the Mediterranean Sea, and discussion of P. nanum and P. pusillum. Phycologia, 2002, 41, 29-38.	1.4	14

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109	Biotic and environmental stress induces nitration and changes in structure and function of the sea urchin major yolk protein toposome. Scientific Reports, 2018, 8, 4610.	3.3	13
110	Micronomads of the Mediterranean sea. Giornale Botanico Italiano (Florence, Italy: 1962), 1994, 128, 1029-1106.	0.0	12
111	Bacteriastrum parallelum sp. nov., a new diatom from the Gulf of Naples, and new observations on B. furcatum (Chaetocerotaceae, Bacillariophyta). Phycologia, 1997, 36, 257-266.	1.4	12
112	Diatom flagellar genes and their expression during sexual reproduction in Leptocylindrus danicus. BMC Genomics, 2017, 18, 813.	2.8	12
113	Gonyaulax hyalina and Gonyaulax fragilis (Dinoflagellata), two names associated with â€˜mare sporcoâ€™, indicate the same species. Phycologia, 2018, 57, 453-464.	1.4	12
114	Harmful Algae in Benthic Systems: A GEOHAB Core Research Program. Cryptogamie, Algologie, 2012, 33, 225-230.	0.9	11
115	An Integrated Approach to Coastal and Biological Observations. Frontiers in Marine Science, 2019, 6, .	2.5	11
116	Tetraselmis wettsteinii (Schiller) Throndsen comb. nov. and its occurrence in golfo di Napoli. Giornale Botanico Italiano (Florence, Italy: 1962), 1988, 122, 227-235.	0.0	10
117	A thesaurus for phytoplankton trait-based approaches: Development and applicability. Ecological Informatics, 2017, 42, 129-138.	5.2	10
118	Photoperiod-driven rhythms reveal multi-decadal stability of phytoplankton communities in a highly fluctuating coastal environment. Scientific Reports, 2022, 12, 3908.	3.3	10
119	Assessing the quality of biogeochemical coastal data: a step-wise procedure. Mediterranean Marine Science, 0, , .	1.6	7
120	Aptamers are an innovative and promising tool for phytoplankton taxonomy and biodiversity research. Chemistry and Ecology, 2015, 31, 92-103.	1.6	5
121	The Mediterranean Sea we want. Ocean and Coastal Research, 2021, 69, .	0.6	5
122	A taxonomic review of the genus Phaeocystis. , 2007, , 3-18.		4
123	Novel heterococcolithophores, holococcolithophores and life cycle combinations from the families Syracosphaeraceae and Pappposphaeraceae and the genus <i>Florisphaera</i>. Journal of Micropalaeontology, 2021, 40, 75-99.	3.6	4
124	Nanoflagellates From the Gulf of Naples. Giornale Botanico Italiano (Florence, Italy: 1962), 1992, 126, 760-761.	0.0	1
125	General shape and ultrastructure as taxonomic characters in diatoms: the case of the genus Bacteriastrum. Giornale Botanico Italiano (Florence, Italy: 1962), 1996, 130, 1069-1071.	0.0	1
126	The dual impact of Ostreopsis cf. ovata on Mytilus galloprovincialis and Paracentrotus lividus: Toxin accumulation and pathological aspects. Mediterranean Marine Science, 0, , .	1.6	1

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127	Microbiomes associated with cultures of Gambierdiscus australes and Ostreopsis cf. ovata , two epibenthic dinoflagellates from the NE Atlantic Ocean (Las Palmas, Gran Canaria). Marine Ecology, 0, , .	1.1	1