

Marina Montresor

List of Publications by Year in descending order

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110
papers

8,698
citations

76326

40
h-index

48315

88
g-index

114
all docs

114
docs citations

114
times ranked

7958
citing authors

#	ARTICLE	IF	CITATIONS
1	The Protist Ribosomal Reference database (PR2): a catalog of unicellular eukaryote Small Sub-Unit rRNA sequences with curated taxonomy. <i>Nucleic Acids Research</i> , 2012, 41, D597-D604.	14.5	1,463
2	The Marine Microbial Eukaryote Transcriptome Sequencing Project (MMETSP): Illuminating the Functional Diversity of Eukaryotic Life in the Oceans through Transcriptome Sequencing. <i>PLoS Biology</i> , 2014, 12, e1001889.	5.6	885
3	The globally distributed genus <i>Alexandrium</i> : Multifaceted roles in marine ecosystems and impacts on human health. <i>Harmful Algae</i> , 2012, 14, 10-35.	4.8	577
4	Plankton in the open Mediterranean Sea: a review. <i>Biogeosciences</i> , 2010, 7, 1543-1586.	3.3	494
5	Reproductive Isolation among Sympatric Cryptic Species in Marine Diatoms. <i>Protist</i> , 2007, 158, 193-207.	1.5	416
6	Deep carbon export from a Southern Ocean iron-fertilized diatom bloom. <i>Nature</i> , 2012, 487, 313-319.	27.8	367
7	Formal Revision of the <i>Alexandrium tamarense</i> Species Complex (Dinophyceae) Taxonomy: The Introduction of Five Species with Emphasis on Molecular-based (rDNA) Classification. <i>Protist</i> , 2014, 165, 779-804.	1.5	283
8	<i>Pseudo-nitzschia</i> , <i>Nitzschia</i> , and domoic acid: New research since 2011. <i>Harmful Algae</i> , 2018, 79, 3-43.	4.8	233
9	Thick-shelled, grazer-protected diatoms decouple ocean carbon and silicon cycles in the iron-limited Antarctic Circumpolar Current. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2013, 110, 20633-20638.	7.1	216
10	Intraspecific diversity in <i>Scrippsiella trochoidea</i> (Dinophyceae): evidence for cryptic species. <i>Phycologia</i> , 2003, 42, 56-70.	1.4	150
11	Toxic <i>Pseudo-nitzschia multistriata</i> (Bacillariophyceae) from the Gulf of Naples: morphology, toxin analysis and phylogenetic relationships with other <i>Pseudo-nitzschia</i> species. <i>European Journal of Phycology</i> , 2002, 37, 247-257.	2.0	135
12	LIFE CYCLE, SIZE REDUCTION PATTERNS, AND ULTRASTRUCTURE OF THE PENNATE PLANKTONIC DIATOM <i>PSEUDO-NITZSCHIA DELICATISSIMA</i> (BACILLARIOPHYCEAE)1. <i>Journal of Phycology</i> , 2005, 41, 542-556.	2.3	115
13	Finding a partner in the ocean: molecular and evolutionary bases of the response to sexual cues in a planktonic diatom. <i>New Phytologist</i> , 2017, 215, 140-156.	7.3	115
14	<i>POLARELLA GLACIALIS</i> , GEN. NOV., SP. NOV. (DINOPHYCEAE): SUESSIACEAE ARE STILL ALIVE!. <i>Journal of Phycology</i> , 1999, 35, 186-197.	2.3	110
15	Morphology, phylogeny, and sexual cycle of <i>Pseudo-nitzschia mannii</i> sp. nov. (Bacillariophyceae): a pseudo-cryptic species within the <i>P. pseudodelicatissima</i> complex. <i>Phycologia</i> , 2008, 47, 487-497.	1.4	95
16	The time for sex: A biennial life cycle in a marine planktonic diatom. <i>Limnology and Oceanography</i> , 2010, 55, 106-114.	3.1	94
17	Benthic protists: the under-charted majority. <i>FEMS Microbiology Ecology</i> , 2016, 92, fiw120.	2.7	94
18	Unveiling the mysteries of phytoplankton life cycles: patterns and opportunities behind complexity. <i>Journal of Plankton Research</i> , 2011, 33, 3-12.	1.8	88

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19	Toxic marine microalgae and noxious blooms in the Mediterranean Sea: A contribution to the Global HAB Status Report. <i>Harmful Algae</i> , 2021, 102, 101843.	4.8	79
20	<i>Pelagodinium</i> gen. nov. and <i>P. bÃ©ii</i> comb. nov., a Dinoflagellate Symbiont of Planktonic Foraminifera. <i>Protist</i> , 2010, 161, 385-399.	1.5	73
21	Comparative molecular and morphological phylogenetic analyses of taxa in the Chaetocerotaceae (Bacillariophyta). <i>Phycologia</i> , 2010, 49, 471-500.	1.4	72
22	Unarmoured and thin-walled dinoflagellates from the Gulf of Naples, with the description of <i>Woloszynskia cincta</i> sp. nov. (Dinophyceae, Suessiales). <i>Phycologia</i> , 2009, 48, 44-65.	1.4	71
23	ALEXANDRIUM TAMUTUM SP. NOV. (DINOPHYCEAE): A NEW NONTOXIC SPECIES IN THE GENUS ALEXANDRIUM1. <i>Journal of Phycology</i> , 2004, 40, 398-411.	2.3	70
24	Internal Transcribed Spacer Polymorphism in <i>Pseudo-nitzschia multistriata</i> (Bacillariophyceae) in the Gulf of Naples: Recent Divergence or Intraspecific Hybridization?. <i>Protist</i> , 2009, 160, 9-20.	1.5	64
25	TOWARD AN ASSESSMENT ON THE TAXONOMY OF DINOFLAGELLATES THAT PRODUCE CALCAREOUS CYSTS (CALCIODINELLOIDEAE, DINOPHYCEAE): A MORPHOLOGICAL AND MOLECULAR APPROACH. <i>Journal of Phycology</i> , 1999, 35, 1063-1078.	2.3	63
26	15Sâ€ipoxygenase metabolism in the marine diatom <i>Pseudo-nitzschia delicatissima</i> . <i>New Phytologist</i> , 2009, 183, 1064-1071.	7.3	61
27	Growth and toxicity responses of Mediterranean <i>Ostreopsis</i> cf. <i>ovata</i> to seasonal irradiance and temperature conditions. <i>Harmful Algae</i> , 2012, 17, 25-34.	4.8	60
28	Sexual and vegetative phases in the planktonic diatom <i>Pseudo-nitzschia multistriata</i> . <i>Harmful Algae</i> , 2009, 8, 225-232.	4.8	59
29	Diversity and temporal pattern of <i>Pseudo-nitzschia</i> species (Bacillariophyceae) through the molecular lens. <i>Harmful Algae</i> , 2015, 42, 15-24.	4.8	59
30	Transcriptome sequencing of three <i>Pseudo-nitzschia</i> species reveals comparable gene sets and the presence of Nitric Oxide Synthase genes in diatoms. <i>Scientific Reports</i> , 2015, 5, 12329.	3.3	58
31	Establishing an Agenda for Calcareous Dinoflagellate Research (Thoracosphaeraceae, Dinophyceae) including a nomenclatural synopsis of generic names. <i>Taxon</i> , 2008, 57, 1289-1303.	0.7	57
32	Saxitoxin and neosaxitoxin as toxic principles of <i>Alexandrium andersoni</i> (Dinophyceae) from the Gulf of Naples, Italy. <i>Toxicon</i> , 2000, 38, 1871-1877.	1.6	55
33	AUXOSPORE FORMATION BY THE SILICA-SINKING, OCEANIC DIATOM FRAGILARIOPSIS KERGUELENSIS (BACILLARIOPHYCEAE). <i>Journal of Phycology</i> , 2006, 42, 1002-1006.	2.3	55
34	Identification of the meiotic toolkit in diatoms and exploration of meiosis-specific SPO11 and RAD51 homologs in the sexual species <i>Pseudo-nitzschia multistriata</i> and <i>Seminavis robusta</i> . <i>BMC Genomics</i> , 2015, 16, 930.	2.8	53
35	Diversity and germination patterns of diatom resting stages at a coastal Mediterranean site. <i>Marine Ecology - Progress Series</i> , 2013, 484, 79-95.	1.9	53
36	<i>Scrippsiella precaria</i> sp. nov. (Dinophyceae), a marine dinoflagellate from the Gulf of Naples. <i>Phycologia</i> , 1988, 27, 387-394.	1.4	51

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37	The life history of <i>Alexandrium pseudogonyaulax</i> (Gonyaulacales, Dinophyceae). <i>Phycologia</i> , 1995, 34, 444-448.	1.4	50
38	Diatom diversity through HTS-metabarcoding in coastal European seas. <i>Scientific Reports</i> , 2018, 8, 18059.	3.3	48
39	Time series and beyond: multifaceted plankton research at a marine Mediterranean LTER site. <i>Nature Conservation</i> , 0, 34, 273-310.	0.0	48
40	Molecular analyses of protists in long-term observation programmes – current status and future perspectives. <i>Journal of Plankton Research</i> , 2018, 40, 519-536.	1.8	47
41	THE CYST-THECA RELATIONSHIP IN <i>CALCIODINELLUM OPEROSUM</i> EMEND. (PERIDINIALES, DINOPHYCEAE) AND A NEW APPROACH FOR THE STUDY OF CALCAREOUS CYSTS ¹ . <i>Journal of Phycology</i> , 1997, 33, 122-131.	2.3	46
42	Plastid Inheritance in the Planktonic Raphid Pennate Diatom <i>Pseudo-nitzschia delicatissima</i> (Bacillariophyceae). <i>Protist</i> , 2008, 159, 91-98.	1.5	45
43	Temporal Changes in Population Structure of a Marine Planktonic Diatom. <i>PLoS ONE</i> , 2014, 9, e114984.	2.5	44
44	THE CALCAREOUS RESTING CYST OF <i>PENTAPHARSODINIUM TYRRHENICUM</i> COMB. NOV. (DINOPHYCEAE) ¹ . <i>Journal of Phycology</i> , 1993, 29, 223-230.	2.3	42
45	A massive and simultaneous sex event of two <i>Pseudo-nitzschia</i> species. <i>Deep-Sea Research Part II: Topical Studies in Oceanography</i> , 2010, 57, 248-255.	1.4	42
46	Summer Phytoplankton Physiognomy in Coastal Waters of the Gulf of Naples. <i>Marine Ecology</i> , 1990, 11, 157-172.	1.1	41
47	Morphological variability of the potentially toxic dinoflagellate <i>Dinophysis sacculus</i> (Dinophyceae) and its taxonomic relationships with <i>D. pavillardii</i> and <i>D. acuminata</i> . <i>European Journal of Phycology</i> , 1998, 33, 259-273.	2.0	41
48	<scp>dinoref</scp>: A curated dinoflagellate (Dinophyceae) reference database for the 18S rRNA gene. <i>Molecular Ecology Resources</i> , 2018, 18, 974-987.	4.8	40
49	Calcareous dinoflagellate cysts in marine sediments of the Gulf of Naples (Mediterranean Sea). <i>Review of Palaeobotany and Palynology</i> , 1994, 84, 45-56.	1.5	39
50	Specificity of Lipoxygenase Pathways Supports Species Delineation in the Marine Diatom Genus <i>Pseudo-nitzschia</i> . <i>PLoS ONE</i> , 2013, 8, e73281.	2.5	39
51	Annotated 18S and 28S rDNA reference sequences of taxa in the planktonic diatom family Chaetocerotaceae. <i>PLoS ONE</i> , 2018, 13, e0208929.	2.5	39
52	<i>Scrippsiella ramonii</i> sp. nov. (Peridinales, Dinophyceae), a marine dinoflagellate producing a calcareous resting cyst. <i>Phycologia</i> , 1995, 34, 87-91.	1.4	37
53	Viability of dinoflagellate cysts after the passage through the copepod gut. <i>Journal of Experimental Marine Biology and Ecology</i> , 2003, 287, 209-221.	1.5	36
54	The green – blue swing: plasticity of plankton food webs in response to coastal oceanographic dynamics. <i>Marine Ecology</i> , 2015, 36, 1155-1170.	1.1	35

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55	Clonal expansion behind a marine diatom bloom. <i>ISME Journal</i> , 2018, 12, 463-472.	9.8	33
56	Genetic and Microscopic Evidence for Sexual Reproduction in the Centric Diatom <i>Skeletonema marinoi</i> . <i>Protist</i> , 2014, 165, 401-416.	1.5	31
57	The dynamics of sexual phase in the marine diatom <i>Pseudo-nitzschia multistriata</i> (Bacillariophyceae). <i>Journal of Phycology</i> , 2014, 50, 817-828.	2.3	31
58	Iron partitioning during LOHAFEX: Copepod grazing as a major driver for iron recycling in the Southern Ocean. <i>Marine Chemistry</i> , 2017, 196, 148-161.	2.3	31
59	MORPHOLOGICAL VARIABILITY AND LIFE CYCLE TRAITS OF THE TYPE SPECIES OF THE DIATOM GENUS <i>CHAETOCEROS</i> , <i>C. DICHAETA</i> ¹ . <i>Journal of Phycology</i> , 2008, 44, 152-163.	2.3	30
60	Ultrastructural Features of the Benthic Dinoflagellate <i>Ostreopsis cf. ovata</i> (Dinophyceae). <i>Protist</i> , 2014, 165, 260-274.	1.5	30
61	(2302) Proposal to reject the name <i>Gonyaulax catenella</i> (<i>Alexandrium catenella</i>) (Dinophyceae). <i>Taxon</i> , 2014, 63, 932-933.	0.7	29
62	Distribution, occurrence and biotoxin composition of the main shellfish toxin producing microalgae within European waters: A comparison of methods of analysis. <i>Harmful Algae</i> , 2016, 55, 112-120.	4.8	28
63	Sex in marine planktonic diatoms: insights and challenges. <i>Perspectives in Phycology</i> , 2016, 3, 61-75.	1.9	28
64	Diatom Resting Stages in Surface Sediments: A Pilot Study Comparing Next Generation Sequencing and Serial Dilution Cultures. <i>Cryptogamie, Algologie</i> , 2017, 38, 31-46.	0.9	28
65	The cyst-motile stage relationships of the dinoflagellates <i>Diplopelta symmetrica</i> and <i>Diplopsalopsis latipeltata</i> . <i>European Journal of Phycology</i> , 1993, 28, 129-137.	2.0	27
66	Strengths and weaknesses of microarray approaches to detect <i>Pseudo-nitzschia</i> species in the field. <i>Environmental Science and Pollution Research</i> , 2013, 20, 6705-6718.	5.3	27
67	Harmful Algal Blooms in Fjords, Coastal Embayments, and Stratified Systems: Recent Progress and Future Research. <i>Oceanography</i> , 2017, 30, 46-57.	1.0	26
68	Mendelian Inheritance Pattern and High Mutation Rates of Microsatellite Alleles in the Diatom <i>Pseudo-nitzschia multistriata</i> . <i>Protist</i> , 2013, 164, 89-100.	1.5	25
69	Two new species in the <i>Chaetoceros socialis</i> complex (Bacillariophyta): <i>C. asporotruncatus</i> and <i>C. dichatoensis</i> , and characterization of its relatives, <i>C. radicans</i> and <i>C. cinctus</i> . <i>Journal of Phycology</i> , 2017, 53, 889-907.	2.3	25
70	The sexual phase of the diatom <i>Pseudo-nitzschia multistriata</i> : cytological and time-lapse cinematography characterization. <i>Protoplasma</i> , 2016, 253, 1421-1431.	2.1	24
71	Virus-induced spore formation as a defense mechanism in marine diatoms. <i>New Phytologist</i> , 2021, 229, 2251-2259.	7.3	24
72	AN ELECTRON MICROSCOPE INVESTIGATION ON <i>CHAETOCEROS MINIMUS</i> (LEVANDER) COMB. NOV. AND NEW OBSERVATIONS ON <i>CHAETOCEROS THRONSENII</i> (MARINO, MONTRESOR AND ZINGONE) COMB. NOV.. <i>Diatom Research</i> , 1991, 6, 317-326.	1.2	23

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73	Selection and validation of reference genes for qPCR analysis in the pennate diatoms <i>Pseudo-nitzschia multistriata</i> and <i>P. arenysensis</i> . <i>Journal of Experimental Marine Biology and Ecology</i> , 2014, 451, 74-81.	1.5	22
74	MRP3 is a sex determining gene in the diatom <i>Pseudo-nitzschia multistriata</i> . <i>Nature Communications</i> , 2018, 9, 5050.	12.8	21
75	Morphological and phylogenetic data do not support the split of <i>Alexandrium</i> into four genera. <i>Harmful Algae</i> , 2020, 98, 101902.	4.8	21
76	Morphology, ultrastructure and feeding behaviour of <i>Protoperidinium vorax</i> sp. nov. (Dinophyceae). <i>Journal of Experimental Marine Biology and Ecology</i> , 2010, 381, 10-18.	2.0	18
77	Morphological characterization of <i>Phaeocystis antarctica</i> (Prymnesiophyceae). <i>Phycologia</i> , 2011, 50, 650-660.	1.4	18
78	Exploring Molecular Signs of Sex in the Marine Diatom <i>Skeletonema marinoi</i> . <i>Genes</i> , 2019, 10, 494.	2.4	18
79	MIRALTIA THRONDSENIIGEN.NOV., SP.NOV., A PLANKTONIC DIATOM FROM THE GULF OF NAPLES. <i>Diatom Research</i> , 1987, 2, 205-211.	1.2	17
80	Temporal changes of genetic structure and diversity in a marine diatom genus discovered via metabarcoding. <i>Environmental DNA</i> , 2022, 4, 763-775.	5.8	16
81	Species detection and delineation in the marine planktonic diatoms <i>Chaetoceros</i> and <i>Bacteriastrium</i> through metabarcoding: making biological sense of haplotype diversity. <i>Environmental Microbiology</i> , 2020, 22, 1917-1929.	3.8	15
82	Genetic characterization and life cycle of the diatom <i>Fragilariopsis kerguelensis</i> . <i>European Journal of Phycology</i> , 2013, 48, 411-426.	2.0	14
83	Hydrodynamic interactions at low Reynolds number: an overlooked mechanism favouring diatom encounters. <i>Journal of Plankton Research</i> , 2013, 35, 914-918.	1.8	14
84	Plankton food-webs: to what extent can they be simplified?. <i>Advances in Oceanography and Limnology</i> , 2016, 7, .	0.6	14
85	Cryptic Diversity: a Long-lasting Issue for Diatomologists. <i>Protist</i> , 2019, 170, 1-7.	1.5	14
86	Density-dependent mechanisms regulate spore formation in the diatom <i>Chaetoceros socialis</i> . <i>Limnology and Oceanography Letters</i> , 2020, 5, 371-378.	3.9	13
87	<i>Gonyaulax hyalina</i> and <i>Gonyaulax fragilis</i> (Dinoflagellata), two names associated with <i>mare sporco</i> ™, indicate the same species. <i>Phycologia</i> , 2018, 57, 453-464.	1.4	12
88	The Role of Life Cycle Characteristics in Harmful Algal Bloom Dynamics. <i>Ecological Studies</i> , 2018, , 133-161.	1.2	11
89	The diatom <i>Chaetoceros socialis</i> : spore formation and preservation. <i>European Journal of Phycology</i> , 2020, 55, 1-10.	2.0	11
90	MIDTAL (Microarrays for the <span Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50	0.3	10

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91	Trade-off between sex and growth in diatoms: Molecular mechanisms and demographic implications. Science Advances, 2022, 8, eabj9466.	10.3	10
92	Response of the protozooplankton assemblage during the European Iron Fertilization Experiment (EIFEX) in the Antarctic circumpolar current. Journal of Plankton Research, 2014, 36, 1175-1189.	1.8	9
93	Effects of small-scale turbulence on two species of Dinophysis. Harmful Algae, 2019, 89, 101654.	4.8	9
94	Remarkable structural resistance of a nanoflagellate-dominated plankton community to iron fertilization during the Southern Ocean experiment LOHAFEX. Marine Ecology - Progress Series, 2018, 601, 77-95.	1.9	9
95	Reproduction and cyst formation in Scrippsiella precaria (Dinophyceae). Giornale Botanico Italiano (Florence, Italy: 1962), 1989, 123, 157-167.	0.0	7
96	GlobalHAB: Fostering International Coordination on Harmful Algal Bloom Research in Aquatic Systems. Ecological Studies, 2018, , 425-447.	1.2	7
97	Species-specific sensitivity of three microalgae to sediment elutriates. Marine Environmental Research, 2020, 156, 104901.	2.5	7
98	Effects of elutriates from contaminated coastal sediments on different life cycle phases of planktonic diatoms. Marine Environmental Research, 2020, 155, 104890.	2.5	6
99	Dinoflagellate cysts production in the north-western Adriatic Sea. Mediterranean Marine Science, 2016, 17, 751.	1.6	6
100	Marine Productivity. , 0, , 350-369.		5
101	Key Questions and Recent Research Advances on Harmful Algal Blooms in Fjords and Coastal Embayments. Ecological Studies, 2018, , 187-203.	1.2	5
102	First record of Lingulodinium polyedrum (Dinophyceae) resting cysts in coastal sediments from the Inner Sea of ChiloÁ©, Los Lagos Region, southern Chile (~41Á°-43Á°S). Gayana - Botanica, 2011, 68, 106-109.	0.2	4
103	(2686) Proposal to conserve the name <i>Alexandrium</i> against <i>Blepharocysta</i> (<i>Dinophyceae</i>). Taxon, 2019, 68, 589-590.	0.7	3
104	New alleles in the mating type determination region of West Atlantic strains of Pseudo-nitzschia multistriata. Harmful Algae, 2021, 103, 101995.	4.8	3
105	GROWTH AND PROBABLE GAMETE FORMATION IN THE MARINE DINOFLAGELLATE CERATIUM SCHRANKII. Journal of Phycology, 1988, 24, 495-502.	2.3	3
106	GERMINACIÁ“N DE ESTADOS DE RESISTENCIA DE DIATOMEAS Y DINOFLAGELADOS EN SEDIMENTOS MARINOS DE DOS ÁREAS DE SURGENCIA DE CHILE. Gayana - Botanica, 2009, 66, .	0.2	2
107	Algal Blooms. , 2019, , 61-61.		2
108	GROWTH AND PROBABLE GAMETE FORMATION IN THE MARINE DINOFLAGELLATE CERATIUM SCHRANKII. Journal of Phycology, 1988, 24, 495-502.	2.3	1

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109	GlobalHAB: A New Program to Promote International Research, Observations, and Modeling of Harmful Algal Blooms in Aquatic Systems. <i>Oceanography</i> , 2017, 30, 70-81.	1.0	1
110	The type species of the diatom genus <i>Chaetoceros</i> . <i>Diatom Research</i> , 2022, 37, 81-88.	1.2	1