

Marina Montresor

List of Publications by Year in descending order

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110
papers

8,698
citations

76326

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48315

88
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docs citations

114
times ranked

7958
citing authors

#	ARTICLE	IF	CITATIONS
1	Trade-off between sex and growth in diatoms: Molecular mechanisms and demographic implications. <i>Science Advances</i> , 2022, 8, eabj9466.	10.3	10
2	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
3	The type species of the diatom genus <i>Chaetoceros</i> . <i>Diatom Research</i> , 2022, 37, 81-88.	1.2	1
4	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
5	Virus-induced spore formation as a defense mechanism in marine diatoms. <i>New Phytologist</i> , 2021, 229, 2251-2259.	7.3	24
6	New alleles in the mating type determination region of West Atlantic strains of <i>Pseudo-nitzschia multistriata</i> . <i>Harmful Algae</i> , 2021, 103, 101995.	4.8	3
7	The diatom <i>Chaetoceros socialis</i> : spore formation and preservation. <i>European Journal of Phycology</i> , 2020, 55, 1-10.	2.0	11
8	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
9	Species detection and delineation in the marine planktonic diatoms <i>Chaetoceros</i> and <i>Bacteriastrum</i> through metabarcoding: making biological sense of haplotype diversity. <i>Environmental Microbiology</i> , 2020, 22, 1917-1929.	3.8	15
10	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
11	Species-specific sensitivity of three microalgae to sediment elutriates. <i>Marine Environmental Research</i> , 2020, 156, 104901.	2.5	7
12	Effects of elutriates from contaminated coastal sediments on different life cycle phases of planktonic diatoms. <i>Marine Environmental Research</i> , 2020, 155, 104890.	2.5	6
13	Exploring Molecular Signs of Sex in the Marine Diatom <i>Skeletonema marinoi</i> . <i>Genes</i> , 2019, 10, 494.	2.4	18
14	Effects of small-scale turbulence on two species of <i>Dinophysis</i> . <i>Harmful Algae</i> , 2019, 89, 101654.	4.8	9
15	Algal Blooms. , 2019, , 61-61.		2
16	Cryptic Diversity: a Long-lasting Issue for Diatomologists. <i>Protist</i> , 2019, 170, 1-7.	1.5	14
17	(2686) Proposal to conserve the name <i>Alexandrium</i> against <i>Blepharocysta</i> (<i>Dinophyceae</i>). <i>Taxon</i> , 2019, 68, 589-590.	0.7	3
18	<i>dinoref</i> : A curated dinoflagellate (<i>Dinophyceae</i>) reference database for the 18S rRNA gene. <i>Molecular Ecology Resources</i> , 2018, 18, 974-987.	4.8	40

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19	Key Questions and Recent Research Advances on Harmful Algal Blooms in Fjords and Coastal Embayments. <i>Ecological Studies</i> , 2018, , 187-203.	1.2	5
20	GlobalHAB: Fostering International Coordination on Harmful Algal Bloom Research in Aquatic Systems. <i>Ecological Studies</i> , 2018, , 425-447.	1.2	7
21	The Role of Life Cycle Characteristics in Harmful Algal Bloom Dynamics. <i>Ecological Studies</i> , 2018, , 133-161.	1.2	11
22	Clonal expansion behind a marine diatom bloom. <i>ISME Journal</i> , 2018, 12, 463-472.	9.8	33
23	Diatom diversity through HTS-metabarcoding in coastal European seas. <i>Scientific Reports</i> , 2018, 8, 18059.	3.3	48
24	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
25	MRP3 is a sex determining gene in the diatom <i>Pseudo-nitzschia multistriata</i> . <i>Nature Communications</i> , 2018, 9, 5050.	12.8	21
26	<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
27	Molecular analyses of protists in long-term observation programmesâ€”current status and future perspectives. <i>Journal of Plankton Research</i> , 2018, 40, 519-536.	1.8	47
28	<i>Gonyaulax hyalina</i> and <i>Gonyaulax fragilis</i> (Dinoflagellata), two names associated with â€”mare sporcoâ€”™, indicate the same species. <i>Phycologia</i> , 2018, 57, 453-464.	1.4	12
29	Remarkable structural resistance of a nanoflagellate-dominated plankton community to iron fertilization during the Southern Ocean experiment LOHAFEX. <i>Marine Ecology - Progress Series</i> , 2018, 601, 77-95.	1.9	9
30	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
31	Two new species in the <i>Chaetoceros socialis</i> complex (Bacillariophyta): <i>C.Âsporotruncatus</i> and <i>C.Âdichatoensis</i> , and characterization of its relatives, <i>C.Âradicans</i> and <i>C.Âcinctus</i> . <i>Journal of Phycology</i> , 2017, 53, 889-907.	2.3	25
32	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
33	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
34	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
35	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
36	Plankton food-webs: to what extent can they be simplified?. <i>Advances in Oceanography and Limnology</i> , 2016, 7, .	0.6	14

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37	Benthic protists: the under-charted majority. <i>FEMS Microbiology Ecology</i> , 2016, 92, fiw120.	2.7	94
38	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
39	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
40	Sex in marine planktonic diatoms: insights and challenges. <i>Perspectives in Phycology</i> , 2016, 3, 61-75.	1.9	28
41	Dinoflagellate cysts production in the north-western Adriatic Sea. <i>Mediterranean Marine Science</i> , 2016, 17, 751.	1.6	6
42	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
43	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
44	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
45	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
46	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
47	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
48	Ultrastructural Features of the Benthic Dinoflagellate <i>Ostreopsis cf. ovata</i> (Dinophyceae). <i>Protist</i> , 2014, 165, 260-274.	1.5	30
49	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
50	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
51	Response of the protozooplankton assemblage during the European Iron Fertilization Experiment (EIFEX) in the Antarctic circumpolar current. <i>Journal of Plankton Research</i> , 2014, 36, 1175-1189.	1.8	9
52	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
53	(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
54	Temporal Changes in Population Structure of a Marine Planktonic Diatom. <i>PLoS ONE</i> , 2014, 9, e114984.	2.5	44

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55	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
56	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
57	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
58	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
59	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
60	MIDTAL (Microarrays for the Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50	0.3	10
61	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
62	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
63	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
64	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
65	Growth and toxicity responses of Mediterranean <i>Ostreopsis cf. ovata</i> to seasonal irradiance and temperature conditions. <i>Harmful Algae</i> , 2012, 17, 25-34.	4.8	60
66	Deep carbon export from a Southern Ocean iron-fertilized diatom bloom. <i>Nature</i> , 2012, 487, 313-319.	27.8	367
67	Morphological characterization of <i>Phaeocystis antarctica</i> (Prymnesiophyceae). <i>Phycologia</i> , 2011, 50, 650-660.	1.4	18
68	First record of <i>Lingulodinium polyedrum</i> (Dinophyceae) resting cysts in coastal sediments from the Inner Sea of Chiloé, Los Lagos Region, southern Chile (−41°-43°S). <i>Gayana - Botanica</i> , 2011, 68, 106-109.	0.2	4
69	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
70	<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
71	Plankton in the open Mediterranean Sea: a review. <i>Biogeosciences</i> , 2010, 7, 1543-1586.	3.3	494
72	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

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73	A massive and simultaneous sex event of two <i>Pseudo-nitzschia</i> species. Deep-Sea Research Part II: Topical Studies in Oceanography, 2010, 57, 248-255.	1.4	42
74	Comparative molecular and morphological phylogenetic analyses of taxa in the Chaetocerotaceae (Bacillariophyta). Phycologia, 2010, 49, 471-500.	1.4	72
75	GERMINACIÓN 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
76	Internal Transcribed Spacer Polymorphism in <i>Pseudo-nitzschia multistriata</i> (Bacillariophyceae) in the Gulf of Naples: Recent Divergence or Intraspecific Hybridization?. Protist, 2009, 160, 9-20.	1.5	64
77	15S Lipoygenase metabolism in the marine diatom <i>Pseudo-nitzschia delicatissima</i> . New Phytologist, 2009, 183, 1064-1071.	7.3	61
78	Sexual and vegetative phases in the planktonic diatom <i>Pseudo-nitzschia multistriata</i> . Harmful Algae, 2009, 8, 225-232.	4.8	59
79	Unarmoured and thin-walled dinoflagellates from the Gulf of Naples, with the description of <i>Woloszynskia cincta</i> sp. nov. (Dinophyceae, Suessiales). Phycologia, 2009, 48, 44-65.	1.4	71
80	MORPHOLOGICAL VARIABILITY AND LIFE CYCLE TRAITS OF THE TYPE SPECIES OF THE DIATOM GENUS <i>CHAETOCEROS</i> , <i>C. DICHAETA</i> . Journal of Phycology, 2008, 44, 152-163.	2.3	30
81	Plastid Inheritance in the Planktonic Raphid Pennate Diatom <i>Pseudo-nitzschia delicatissima</i> (Bacillariophyceae). Protist, 2008, 159, 91-98.	1.5	45
82	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. Phycologia, 2008, 47, 487-497.	1.4	95
83	Establishing an Agenda for Calcareous Dinoflagellate Research (Thoracosphaeraceae, Dinophyceae) including a nomenclatural synopsis of generic names. Taxon, 2008, 57, 1289-1303.	0.7	57
84	Reproductive Isolation among Sympatric Cryptic Species in Marine Diatoms. Protist, 2007, 158, 193-207.	1.5	416
85	AUXOSPORE FORMATION BY THE SILICA-SINKING, OCEANIC DIATOM FRAGILARIOPSIS KERGUELENSIS (BACILLARIOPHYCEAE). Journal of Phycology, 2006, 42, 1002-1006.	2.3	55
86	LIFE CYCLE, SIZE REDUCTION PATTERNS, AND ULTRASTRUCTURE OF THE PENNATE PLANKTONIC DIATOM PSEUDO-NITZSCHIA DELICATISSIMA (BACILLARIOPHYCEAE)1. Journal of Phycology, 2005, 41, 542-556.	2.3	115
87	Morphology, ultrastructure and feeding behaviour of <i>Protoperidinium vorax</i> sp. nov. (Dinophyceae,). Tj ETQq1 1 0.784314 rgBT /Overlook	2.0	18
88	ALEXANDRIUM TAMUTUM SP. NOV. (DINOPHYCEAE): A NEW NONTOXIC SPECIES IN THE GENUS ALEXANDRIUM1. Journal of Phycology, 2004, 40, 398-411.	2.3	70
89	Viability of dinoflagellate cysts after the passage through the copepod gut. Journal of Experimental Marine Biology and Ecology, 2003, 287, 209-221.	1.5	36
90	Intraspecific diversity in <i>Scrippsiella trochoidea</i> (Dinophyceae): evidence for cryptic species. Phycologia, 2003, 42, 56-70.	1.4	150

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91	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
92	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
93	POLARELLA GLACIALIS, GEN. NOV., SP. NOV. (DINOPHYCEAE): SUESSIACEAE ARE STILL ALIVE!. <i>Journal of Phycology</i> , 1999, 35, 186-197.	2.3	110
94	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
95	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
96	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
97	The life history of <i>Alexandrium pseudogonyaulax</i> (Gonyaulacales, Dinophyceae). <i>Phycologia</i> , 1995, 34, 444-448.	1.4	50
98	<i>Scrippsiella ramonii</i> sp. nov. (Peridiniales, Dinophyceae), a marine dinoflagellate producing a calcareous resting cyst. <i>Phycologia</i> , 1995, 34, 87-91.	1.4	37
99	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
100	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
101	The cyst-motile stage relationships of the dinoflagellates <i>Diplopelta symmetrica</i> and <i>Diplopsalopsis latipelta</i> . <i>European Journal of Phycology</i> , 1993, 28, 129-137.	2.0	27
102	AN ELECTRON MICROSCOPE INVESTIGATION ON <i>CHAETOCEROS MINIMUS</i> (LEVANDER) COMB. NOV. AND NEW OBSERVATIONS ON <i>CHAETOCEROS THRONDSENII</i> (MARINO, MONTRESOR AND ZINGONE) COMB. NOV.. <i>Diatom Research</i> , 1991, 6, 317-326.	1.2	23
103	Summer Phytoplankton Physiognomy in Coastal Waters of the Gulf of Naples. <i>Marine Ecology</i> , 1990, 11, 157-172.	1.1	41
104	Reproduction and cyst formation in <i>Scrippsiella precaria</i> (Dinophyceae). <i>Giornale Botanico Italiano</i> (Florence, Italy: 1962), 1989, 123, 157-167.	0.0	7
105	GROWTH AND PROBABLE GAMETE FORMATION IN THE MARINE DINOFLAGELLATE <i>CERATIUM SCHRANKII</i> . <i>Journal of Phycology</i> , 1988, 24, 495-502.	2.3	1
106	<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
107	GROWTH AND PROBABLE GAMETE FORMATION IN THE MARINE DINOFLAGELLATE <i>CERATIUM SCHRANKII</i> . <i>Journal of Phycology</i> , 1988, 24, 495-502.	2.3	3
108	MIRALTIA THRONDSENIIGEN. NOV., SP. NOV., A PLANKTONIC DIATOM FROM THE GULF OF NAPLES. <i>Diatom Research</i> , 1987, 2, 205-211.	1.2	17

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109	Marine Productivity. , 0, , 350-369.		5
110	Time series and beyond: multifaceted plankton research at a marine Mediterranean LTER site. Nature Conservation, 0, 34, 273-310.	0.0	48