

Maurizio Ribera d'Alcala'

List of Publications by Year in descending order

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Version: 2024-02-01

96
papers

5,568
citations

76294

40
h-index

85498

71
g-index

102
all docs

102
docs citations

102
times ranked

5456
citing authors

#	ARTICLE	IF	CITATIONS
1	Evidence of Covid-19 lockdown effects on riverine dissolved organic matter dynamics provides a proof-of-concept for needed regulations of anthropogenic emissions. <i>Science of the Total Environment</i> , 2022, 812, 152412.	3.9	7
2	Trade-off between sex and growth in diatoms: Molecular mechanisms and demographic implications. <i>Science Advances</i> , 2022, 8, eabj9466.	4.7	10
3	Sources of the Levantine Intermediate Water in Winter 2019. <i>Journal of Geophysical Research: Oceans</i> , 2022, 127, .	1.0	4
4	Surface transport of DOC acts as a trophic link among Mediterranean sub-basins. <i>Deep-Sea Research Part I: Oceanographic Research Papers</i> , 2021, 170, 103493.	0.6	4
5	Integrative omics identification, evolutionary and structural analysis of low affinity nitrate transporters in diatoms, diNPFs. <i>Open Biology</i> , 2021, 11, 200395.	1.5	8
6	BGCâ€Argo Floats Observe Nitrate Injection and Spring Phytoplankton Increase in the Surface Layer of Levantine Sea (Eastern Mediterranean). <i>Geophysical Research Letters</i> , 2021, 48, e2020GL091649.	1.5	5
7	Homeostatic swimming of zooplankton upon crowding: the case of the copepod <i>Centropages typicus</i> . <i>Journal of the Royal Society Interface</i> , 2021, 18, 20210270.	1.5	5
8	Science for Good Environmental Status: A European Joint Action to Support Marine Policy. <i>Sustainability</i> , 2021, 13, 8664.	1.6	2
9	Seasonal variation in UVA light drives hormonal and behavioural changes in a marine annelid via a ciliary opsin. <i>Nature Ecology and Evolution</i> , 2021, 5, 204-218.	3.4	24
10	Large scale patterns of marine diatom richness: Drivers and trends in a changing ocean. <i>Global Ecology and Biogeography</i> , 2020, 29, 1915-1928.	2.7	26
11	Ecological assessment of anthropogenic impact in marine ecosystems: The case of Bagnoli Bay. <i>Marine Environmental Research</i> , 2020, 158, 104953.	1.1	13
12	Densityâ€dependent mechanisms regulate spore formation in the diatom <i>Chaetoceros socialis</i> . <i>Limnology and Oceanography Letters</i> , 2020, 5, 371-378.	1.6	13
13	Profiling float observation of thermohaline staircases in the western Mediterranean Sea and impact on nutrient fluxes. <i>Biogeosciences</i> , 2020, 17, 3343-3366.	1.3	14
14	Meta-Omics Reveals Genetic Flexibility of Diatom Nitrogen Transporters in Response to Environmental Changes. <i>Molecular Biology and Evolution</i> , 2019, 36, 2522-2535.	3.5	23
15	Effects of small-scale turbulence on two species of <i>Dinophysis</i> . <i>Harmful Algae</i> , 2019, 89, 101654.	2.2	9
16	Rewiring and indirect effects underpin modularity reshuffling in a marine food web under environmental shifts. <i>Ecology and Evolution</i> , 2019, 9, 11631-11646.	0.8	20
17	Communityâ€Level Responses to Iron Availability in Open Ocean Plankton Ecosystems. <i>Global Biogeochemical Cycles</i> , 2019, 33, 391-419.	1.9	76
18	Modelling the complexity of plankton communities exploiting omics potential: From present challenges to an integrative pipeline. <i>Current Opinion in Systems Biology</i> , 2019, 13, 68-74.	1.3	27

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19	A Conceptual Framework for Developing the Next Generation of Marine Observatories (MOBs) for Science and Society. <i>Frontiers in Marine Science</i> , 2018, 5, .	1.2	22
20	Distinctive diffusive properties of swimming planktonic copepods in different environmental conditions. <i>European Physical Journal E</i> , 2018, 41, 79.	0.7	2
21	Modelling plankton ecosystems in the meta-omics era. Are we ready?. <i>Marine Genomics</i> , 2017, 32, 1-17.	0.4	29
22	Light sensing and responses in marine microalgae. <i>Current Opinion in Plant Biology</i> , 2017, 37, 70-77.	3.5	56
23	Nutrient consumption and chain tuning in diatoms exposed to storm-like turbulence. <i>Scientific Reports</i> , 2017, 7, 1828.	1.6	25
24	Marine diatoms change their gene expression profile when exposed to microscale turbulence under nutrient replete conditions. <i>Scientific Reports</i> , 2017, 7, 3826.	1.6	27
25	Unexpected winter phytoplankton blooms in the North Atlantic subpolar gyre. <i>Nature Geoscience</i> , 2017, 10, 836-839.	5.4	52
26	Disentangling physical and biological drivers of phytoplankton dynamics in a coastal system. <i>Scientific Reports</i> , 2017, 7, 15868.	1.6	47
27	TURBOGEN: Computer-controlled vertically oscillating grid system for small-scale turbulence studies on plankton. <i>Review of Scientific Instruments</i> , 2016, 87, 035119.	0.6	5
28	Diatom Phytochromes Reveal the Existence of Far-Red-Light-Based Sensing in the Ocean. <i>Plant Cell</i> , 2016, 28, 616-628.	3.1	105
29	Regulation of chain length in two diatoms as a growth-fragmentation process. <i>Physical Review E</i> , 2016, 94, 022418.	0.8	10
30	Ecological-network models link diversity, structure and function in the plankton food-web. <i>Scientific Reports</i> , 2016, 6, 21806.	1.6	110
31	Seasonal variability of nutrient concentrations in the Mediterranean Sea: Contribution of B&A&R floats. <i>Journal of Geophysical Research: Oceans</i> , 2015, 120, 8528-8550.	1.0	59
32	On the vertical distribution of the chlorophyll <i>a</i> concentration in the Mediterranean Sea: a basin-scale and seasonal approach. <i>Biogeosciences</i> , 2015, 12, 5021-5039.	1.3	90
33	Aptamers are an innovative and promising tool for phytoplankton taxonomy and biodiversity research. <i>Chemistry and Ecology</i> , 2015, 31, 92-103.	0.6	5
34	The diatom molecular toolkit to handle nitrogen uptake. <i>Marine Genomics</i> , 2015, 24, 95-108.	0.4	48
35	Temporal variability of nutrient concentrations in the northwestern Mediterranean sea (DYFAMED) Tj ETQq1 1 0.784314 rgBT /Overlock	0.6	58
36	A MSFD complementary approach for the assessment of pressures, knowledge and data gaps in Southern European Seas: The PERSEUS experience. <i>Marine Pollution Bulletin</i> , 2015, 95, 28-39.	2.3	41

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37	The green-blue swing: plasticity of plankton food-webs in response to coastal oceanographic dynamics. <i>Marine Ecology</i> , 2015, 36, 1155-1170.	0.4	35
38	Physical forcing and physical/biochemical variability of the Mediterranean Sea: a review of unresolved issues and directions for future research. <i>Ocean Science</i> , 2014, 10, 281-322.	1.3	154
39	Contamination by hazardous substances in the Gulf of Naples and nearby coastal areas: A review of sources, environmental levels and potential impacts in the MSFD perspective. <i>Science of the Total Environment</i> , 2014, 466-467, 820-840.	3.9	55
40	Influence of stratification on marine dissolved organic carbon (DOC) dynamics: The Mediterranean Sea case. <i>Progress in Oceanography</i> , 2013, 119, 68-77.	1.5	40
41	Productivity modes in the Mediterranean Sea during Dansgaard-Oeschger (20,000-70,000yr ago) oscillations. <i>Palaeogeography, Palaeoclimatology, Palaeoecology</i> , 2013, 392, 128-137.	1.0	26
42	Enhancing the comprehension of mixed layer depth control on the Mediterranean phytoplankton phenology. <i>Journal of Geophysical Research: Oceans</i> , 2013, 118, 3416-3430.	1.0	65
43	Hydrodynamic interactions at low Reynolds number: an overlooked mechanism favouring diatom encounters. <i>Journal of Plankton Research</i> , 2013, 35, 914-918.	0.8	14
44	Unexpected Regularity in Swimming Behavior of <i>Clausocalanus furcatus</i> Revealed by a Telecentric 3D Computer Vision System. <i>PLoS ONE</i> , 2013, 8, e67640.	1.1	17
45	Exploring the molecular basis of responses to light in marine diatoms. <i>Journal of Experimental Botany</i> , 2012, 63, 1575-1591.	2.4	173
46	Centennial- to millennial-scale climate oscillations in the Central-Eastern Mediterranean Sea between 20,000 and 70,000 years ago: evidence from a high-resolution geochemical and micropaleontological record. <i>Quaternary Science Reviews</i> , 2012, 46, 126-135.	1.4	50
47	Phenological changes of oceanic phytoplankton in the 1980s and 2000s as revealed by remotely sensed ocean-color observations. <i>Global Biogeochemical Cycles</i> , 2012, 26, n/a-n/a.	1.9	29
48	Filament formation and evolution in buoyant coastal waters: Observation and modelling. <i>Progress in Oceanography</i> , 2012, 106, 118-137.	1.5	37
49	Stability and resilience in coastal copepod assemblages: The case of the Mediterranean long-term ecological research at Station MC (LTER-MC). <i>Progress in Oceanography</i> , 2012, 97-100, 135-151.	1.5	51
50	Water masses as a unifying framework for understanding the Southern Ocean Carbon Cycle. <i>Biogeosciences</i> , 2011, 8, 1031-1052.	1.3	66
51	Coastal Phytoplankton Do Not Rest in Winter. <i>Estuaries and Coasts</i> , 2010, 33, 342-361.	1.0	61
52	Plankton in the open Mediterranean Sea: a review. <i>Biogeosciences</i> , 2010, 7, 1543-1586.	1.3	494
53	The time for sex: A biennial life cycle in a marine planktonic diatom. <i>Limnology and Oceanography</i> , 2010, 55, 106-114.	1.6	94
54	On the trophic regimes of the Mediterranean Sea: a satellite analysis. <i>Biogeosciences</i> , 2009, 6, 139-148.	1.3	427

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55	An individual-based analysis of the dynamics of two coexisting phytoplankton species in the mixed layer. <i>Ecological Modelling</i> , 2009, 220, 2380-2392.	1.2	4
56	Numerical analysis of cumulative impact of phytoplankton photoresponses to light variation on carbon assimilation. <i>Journal of Theoretical Biology</i> , 2009, 261, 361-371.	0.8	23
57	Nutrient and pigment distributions in the southern Tyrrhenian Sea during mid-summer and late fall 2005. <i>Deep-Sea Research Part II: Topical Studies in Oceanography</i> , 2009, 56, 676-686.	0.6	15
58	A numerical investigation of the impact of turbulence on the feeding rates of <i>Oithona davisae</i> . <i>Journal of Marine Systems</i> , 2008, 70, 273-286.	0.9	9
59	Ba/Ca evolution in water masses of the Mediterranean late Neogene. <i>Paleoceanography</i> , 2008, 23, .	3.0	18
60	Circadian variability in the photobiology of <i>Phaeodactylum tricornutum</i> : pigment content. <i>Journal of Plankton Research</i> , 2007, 29, 141-156.	0.8	60
61	The colour of the Mediterranean Sea: Global versus regional bio-optical algorithms evaluation and implication for satellite chlorophyll estimates. <i>Remote Sensing of Environment</i> , 2007, 107, 625-638.	4.6	210
62	Effects of food conditions on the development of the population of <i>Temora stylifera</i> : A modeling approach. <i>Journal of Marine Systems</i> , 2006, 62, 71-84.	0.9	17
63	Microbial contribution to carbon biogeochemistry in the Central Mediterranean Sea: Variability of activities and biomass. <i>Journal of Marine Systems</i> , 2005, 57, 146-166.	0.9	45
64	An object-oriented model for the prediction of turbulence effects on plankton. <i>Deep-Sea Research Part II: Topical Studies in Oceanography</i> , 2005, 52, 1287-1307.	0.6	8
65	Colloquium on diatom-copepod interactions. <i>Marine Ecology - Progress Series</i> , 2005, 286, 293-305.	0.9	68
66	Lagrangian description of zooplankton swimming trajectories. <i>Journal of Plankton Research</i> , 2004, 26, 99-105.	0.8	22
67	Light as an information carrier underwater. <i>Journal of Plankton Research</i> , 2004, 26, 433-443.	0.8	42
68	Primary production variability in the Mediterranean Sea from SeaWiFS data. , 2004, 5233, 371.		4
69	Coupling mixing and photophysiological response of Antarctic plankton: a Lagrangian approach. <i>Antarctic Science</i> , 2004, 16, 133-142.	0.5	8
70	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. <i>Scientia Marina</i> , 2004, 68, 65-83.	0.3	258
71	Accelerated oxygen consumption in eastern Mediterranean deep waters following the recent changes in thermohaline circulation. <i>Journal of Geophysical Research</i> , 2003, 108, .	3.3	42
72	Composition and dynamics of the phytoplankton of the Ionian Sea (eastern Mediterranean). <i>Journal of Geophysical Research</i> , 2003, 108, .	3.3	73

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73	Did biological activity in the Ionian Sea change after the Eastern Mediterranean Transient? Results from the analysis of remote sensing observations. Journal of Geophysical Research, 2003, 108, .	3.3	46
74	Distribution patterns of carbon oxidation in the eastern Mediterranean Sea: Evidence of changes in the remineralization processes. Journal of Geophysical Research, 2003, 108, .	3.3	32
75	Bacterial processes in the intermediate and deep layers of the Ionian Sea in winter 1999: Vertical profiles and their relationship to the different water masses. Journal of Geophysical Research, 2003, 108, .	3.3	39
76	Nutrient ratios and fluxes hint at overlooked processes in the Mediterranean Sea. Journal of Geophysical Research, 2003, 108, .	3.3	120
77	Water mass properties and chemical signatures in the central Mediterranean region. Journal of Marine Systems, 2002, 33-34, 155-177.	0.9	46
78	Validation of empirical SeaWiFS algorithms for chlorophyll-a retrieval in the Mediterranean Sea. Remote Sensing of Environment, 2002, 82, 79-94.	4.6	106
79	<title>Empirical SeaWiFS chlorophyll algorithm validation for the Mediterranean Sea</title>. , 2000, 4172, 124.		1
80	Perception of Environmental Signals by a Marine Diatom. Science, 2000, 288, 2363-2366.	6.0	166
81	Is the Adriatic returning to dominate the production of Eastern Mediterranean Deep Water?. Geophysical Research Letters, 2000, 27, 3377-3380.	1.5	79
82	Mesoscale features of phytoplankton and planktonic bacteria in a coastal area as induced by external water masses. Marine Ecology - Progress Series, 2000, 195, 15-27.	0.9	53
83	The Eastern Mediterranean in the 80s and in the 90s: the big transition in the intermediate and deep circulations. Dynamics of Atmospheres and Oceans, 1999, 29, 365-395.	0.7	267
84	The Eastern Mediterranean in the 80â€™s and in the 90â€™s: The Big Transition Emerged from the Poem-Bc Observational Evidence. , 1999, , 1-6.		3
85	Ecological Physiognomy of the Eastern Mediterranean. , 1999, , 49-64.		2
86	Spatial and temporal variability of size-fractionated biomass and primary production in the Ross Sea (Antarctica) during austral spring and summer. Journal of Marine Systems, 1998, 17, 115-127.	0.9	53
87	<title>SYMPLEX experiment: first results on oceanic mesoscale dynamics and related primary production from AVHRR and SeaWiFS satellite data and field experiments</title>. , 1998, 3496, 137.		1
88	A synthesis of the Ionian Sea hydrography, circulation and water mass pathways during POEM-Phase I. Progress in Oceanography, 1997, 39, 153-204.	1.5	277
89	Experiment in eastern Mediterranean probes origin of deep water masses. Eos, 1996, 77, 305.	0.1	33
90	Conservative features of picoplankton in a Mediterranean eutrophic area, the Bay of Naples. Journal of Plankton Research, 1996, 18, 87-95.	0.8	29

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91	Recurrent patterns in zooplankton structure and succession in a variable coastal environment. ICES Journal of Marine Science, 1995, 52, 679-691.	1.2	123
92	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.	0.8	44
93	Water quality monitoring by thematic mapper in coastal environments. A performance analysis of local biooptical algorithms and atmospheric correction procedures. Remote Sensing of Environment, 1993, 45, 177-191.	4.6	21
94	Structural analysis of winter phytoplankton in the Gulf of Naples. Journal of Plankton Research, 1981, 3, 291-314.	0.8	26
95	Variability in the Hydrographic and Biological Features of the Gulf of Naples. Marine Ecology, 1980, 1, 105-120.	0.4	57
96	Similarities, differences and mechanisms of climate impact on terrestrial vs. marine ecosystems. Nature Conservation, 0, 34, 505-523.	0.0	7