

Susana Agusti

List of Publications by Year in descending order

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234
papers

11,098
citations

34105

52
h-index

46799

89
g-index

259
all docs

259
docs citations

259
times ranked

11285
citing authors

#	ARTICLE	IF	CITATIONS
1	Underestimated PAH accumulation potential of blue carbon vegetation: Evidence from sedimentary records of saltmarsh and mangrove in Yueqing Bay, China. <i>Science of the Total Environment</i> , 2022, 817, 152887.	8.0	16
2	Food-chain length determines the level of phenanthrene bioaccumulation in corals. <i>Environmental Pollution</i> , 2022, 297, 118789.	7.5	8
3	Cement and oil refining industries as the predominant sources of trace metal pollution in the Red Sea: A systematic study of element concentrations in the Red Sea zooplankton. <i>Marine Pollution Bulletin</i> , 2022, 174, 113221.	5.0	6
4	Penetration of Ultraviolet-B Radiation in Oligotrophic Regions of the Oceans During the Malaspina 2010 Expedition. <i>Journal of Geophysical Research: Oceans</i> , 2022, 127, .	2.6	3
5	Mapping seagrass meadows in coastal China using GEE. <i>Geocarto International</i> , 2022, 37, 12602-12617.	3.5	4
6	Plankton Community Metabolism in Western Australia: Estuarine, Coastal and Oceanic Surface Waters. <i>Frontiers in Marine Science</i> , 2021, 7, .	2.5	3
7	Exposure to natural ultraviolet B radiation levels has adverse effects on growth, behavior, physiology, and innate immune response in juvenile European seabass (<i>Dicentrarchus labrax</i>). <i>Aquaculture</i> , 2021, 533, 736215.	3.5	9
8	Imaging of organic signals in individual fossil diatom frustules with nanoSIMS and Raman spectroscopy. <i>Marine Chemistry</i> , 2021, 228, 103906.	2.3	3
9	Areal Extent, Species Composition, and Spatial Distribution of Coastal Saltmarshes in China. <i>IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing</i> , 2021, 14, 7085-7094.	4.9	24
10	Enhanced Viral Activity in the Surface Microlayer of the Arctic and Antarctic Oceans. <i>Microorganisms</i> , 2021, 9, 317.	3.6	13
11	Picophytoplankton Niche Partitioning in the Warmest Oligotrophic Sea. <i>Frontiers in Marine Science</i> , 2021, 8, .	2.5	9
12	Deep ocean metagenomes provide insight into the metabolic architecture of bathypelagic microbial communities. <i>Communications Biology</i> , 2021, 4, 604.	4.4	107
13	Moderate Seasonal Dynamics Indicate an Important Role for Lysogeny in the Red Sea. <i>Microorganisms</i> , 2021, 9, 1269.	3.6	6
14	Nutrient and temperature constraints on primary production and net phytoplankton growth in a tropical ecosystem. <i>Limnology and Oceanography</i> , 2021, 66, 2923-2935.	3.1	12
15	Seaweed farms provide refugia from ocean acidification. <i>Science of the Total Environment</i> , 2021, 776, 145192.	8.0	61
16	Effects of Ecological Restoration Using Non-Native Mangrove <i>Kandelia obovata</i> to Replace Invasive <i>Spartina alterniflora</i> on Intertidal Macrobenthos Community in Maoyan Island (Zhejiang, China). <i>Journal of Marine Science and Engineering</i> , 2021, 9, 788.	2.6	11
17	Assessment of Red Sea temperatures in CMIP5 models for present and future climate. <i>PLoS ONE</i> , 2021, 16, e0255505.	2.5	5
18	Comparative sensitivity of the early life stages of a coral to heavy fuel oil and UV radiation. <i>Science of the Total Environment</i> , 2021, 781, 146676.	8.0	15

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19	Oxidative stress in tissues of gilthead seabream (<i>Sparus aurata</i>) and European seabass (<i>Dicentrarchus</i>) Tj ETQq1 1 0.784314 rgBT /Over 2021, 8, 100070.	2.5	5
20	Changes of the Macrobenthos Community with Non-native Mangrove Rehabilitation (Kandelia) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 70 Science Journal, 2021, 56, 395-405.	1.3	10
21	Ocean warming compresses the three-dimensional habitat of marine life. Nature Ecology and Evolution, 2020, 4, 109-114.	7.8	58
22	Towards a unifying pan-arctic perspective: A conceptual modelling toolkit. Progress in Oceanography, 2020, 189, 102455.	3.2	30
23	Long-term exposure to increasing temperature can offset predicted losses in marine food quality (fatty acids) caused by ocean warming. Evolutionary Applications, 2020, 13, 2497-2506.	3.1	15
24	Large deep-sea zooplankton biomass mirrors primary production in the global ocean. Nature Communications, 2020, 11, 6048.	12.8	58
25	Posidonia oceanica as a Source of Chromophoric Dissolved Organic Matter for the Oligotrophic NW Mediterranean Coast. Journal of Marine Science and Engineering, 2020, 8, 911.	2.6	1
26	Low Host Abundance and High Temperature Determine Switching from Lytic to Lysogenic Cycles in Planktonic Microbial Communities in a Tropical Sea (Red Sea). Viruses, 2020, 12, 761.	3.3	12
27	Comparative infection modeling and control of COVID-19 transmission patterns in China, South Korea, Italy and Iran. Science of the Total Environment, 2020, 747, 141447.	8.0	42
28	Adverse Effects of Ultraviolet Radiation on Growth, Behavior, Skin Condition, Physiology, and Immune Function in Gilthead Seabream (<i>Sparus aurata</i>). Frontiers in Marine Science, 2020, 7, .	2.5	14
29	Unraveling the Seasonality of UV Exposure in Reef Waters of a Rapidly Warming (Sub-)tropical Sea. Frontiers in Marine Science, 2020, 7, .	2.5	23
30	Effect of ultraviolet radiation (UVR) on the life stages of fish. Reviews in Fish Biology and Fisheries, 2020, 30, 335-372.	4.9	35
31	Giant clams in shallow reefs: UV-resistance mechanisms of Tridacninae in the Red Sea. Coral Reefs, 2020, 39, 1345-1360.	2.2	8
32	Picocyanobacteria Community and Cyanophage Infection Responses to Nutrient Enrichment in a Mesocosms Experiment in Oligotrophic Waters. Frontiers in Microbiology, 2020, 11, 1153.	3.5	15
33	Tropical seagrass <i>Halophila stipulacea</i> shifts thermal tolerance during Mediterranean invasion. Proceedings of the Royal Society B: Biological Sciences, 2020, 287, 20193001.	2.6	29
34	Anomalies in the carbonate system of Red Sea coastal habitats. Biogeosciences, 2020, 17, 423-439.	3.3	5
35	Rebuilding marine life. Nature, 2020, 580, 39-51.	27.8	560
36	Cell-by-cell estimation of PAH sorption and subsequent toxicity in marine phytoplankton. Chemosphere, 2020, 259, 127487.	8.2	13

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37	Arctic (Svalbard islands) active and exported diatom stocks and cell health status. <i>Biogeosciences</i> , 2020, 17, 35-45.	3.3	7
38	Major imprint of surface plankton on deep ocean prokaryotic structure and activity. <i>Molecular Ecology</i> , 2020, 29, 1820-1838.	3.9	39
39	Temporal evolution of temperatures in the Red Sea and the Gulf of Aden based on in situ observations (1958–2017). <i>Ocean Science</i> , 2020, 16, 149-166.	3.4	12
40	Accumulation of ¹³ C-labelled phenanthrene in phytoplankton and transfer to corals resolved using cavity ring-down spectroscopy. <i>Ecotoxicology and Environmental Safety</i> , 2020, 196, 110511.	6.0	13
41	Impact of UV radiation on plankton net community production: responses in Western Australian estuarine and coastal waters. <i>Marine Ecology - Progress Series</i> , 2020, 651, 45-56.	1.9	7
42	Seasonality of marine plastic abundance in central Red Sea pelagic waters. <i>Science of the Total Environment</i> , 2019, 688, 536-541.	8.0	24
43	Increasing temperature within thermal limits compensates negative ultraviolet-B radiation effects in terrestrial and aquatic organisms. <i>Global Ecology and Biogeography</i> , 2019, 28, 1695-1711.	5.8	16
44	Characterization of the CO ₂ System in a Coral Reef, a Seagrass Meadow, and a Mangrove Forest in the Central Red Sea. <i>Journal of Geophysical Research: Oceans</i> , 2019, 124, 7513-7528.	2.6	24
45	Warming Amplifies the Frequency of Harmful Algal Blooms with Eutrophication in Chinese Coastal Waters. <i>Environmental Science & Technology</i> , 2019, 53, 13031-13041.	10.0	82
46	Resource (Light and Nitrogen) and Density-Dependence of Seaweed Growth. <i>Frontiers in Marine Science</i> , 2019, 6, .	2.5	19
47	Oxygen supersaturation protects coastal marine fauna from ocean warming. <i>Science Advances</i> , 2019, 5, eaax1814.	10.3	49
48	Rates and drivers of Red Sea plankton community metabolism. <i>Biogeosciences</i> , 2019, 16, 2983-2995.	3.3	13
49	Use of cavity ring-down spectrometry to quantify ¹³ C primary productivity in oligotrophic waters. <i>Limnology and Oceanography: Methods</i> , 2019, 17, 137-144.	2.0	8
50	Patterns and Drivers of UV Absorbing Chromophoric Dissolved Organic Matter in the Euphotic Layer of the Open Ocean. <i>Frontiers in Marine Science</i> , 2019, 6, .	2.5	15
51	Silicic acid limitation drives bloom termination and potential carbon sequestration in an Arctic bloom. <i>Scientific Reports</i> , 2019, 9, 8149.	3.3	43
52	The Red Sea: Environmental Gradients Shape a Natural Laboratory in a Nascent Ocean. <i>Coral Reefs of the World</i> , 2019, , 1-10.	0.7	32
53	Latitudinal Gradient of UV Attenuation Along the Highly Transparent Red Sea Basin. <i>Photochemistry and Photobiology</i> , 2019, 95, 1267-1279.	2.5	31
54	Accelerated burial of petroleum hydrocarbons in Arabian Gulf blue carbon repositories. <i>Science of the Total Environment</i> , 2019, 669, 205-212.	8.0	25

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55	Free-living dinoflagellates of the central Red Sea, Saudi Arabia: Variability, new records and potentially harmful species. <i>Marine Pollution Bulletin</i> , 2019, 141, 629-648.	5.0	15
56	Warming and CO2 Enhance Arctic Heterotrophic Microbial Activity. <i>Frontiers in Microbiology</i> , 2019, 10, 494.	3.5	30
57	Multi-model remote sensing assessment of primary production in the subtropical gyres. <i>Journal of Marine Systems</i> , 2019, 196, 97-106.	2.1	13
58	Distribution and Characteristics of <i>Halobates germanus</i> Population in the Red Sea. <i>Frontiers in Marine Science</i> , 2019, 6, .	2.5	3
59	Gelatinous Zooplankton in the Surface Layers of the Coastal Central Red Sea. <i>Frontiers in Marine Science</i> , 2019, 6, .	2.5	8
60	Thuwalallenes Aâ€E and Thuwalenynes Aâ€C: New C15 Acetogenins with Anti-Inflammatory Activity from a Saudi Arabian Red Sea <i>Laurencia</i> sp.. <i>Marine Drugs</i> , 2019, 17, 644.	4.6	9
61	<i>Euglena</i> as a potential natural source of value-added metabolites. A review. <i>Algal Research</i> , 2019, 37, 154-159.	4.6	65
62	Projected Changes in Photosynthetic Picoplankton in a Warmer Subtropical Ocean. <i>Frontiers in Marine Science</i> , 2019, 5, .	2.5	45
63	Adaptation of Red Sea Phytoplankton to Experimental Warming Increases Their Tolerance to Toxic Metal Exposure. <i>Frontiers in Environmental Science</i> , 2019, 7, .	3.3	8
64	Large-scale ocean connectivity and planktonic body size. <i>Nature Communications</i> , 2018, 9, 142.	12.8	102
65	PAHs sensitivity of picophytoplankton populations in the Red Sea. <i>Environmental Pollution</i> , 2018, 239, 607-616.	7.5	19
66	Phototoxic effects of PAH and UVA exposure on molecular responses and developmental success in coral larvae. <i>Aquatic Toxicology</i> , 2018, 198, 165-174.	4.0	40
67	Stable Isotope ($\delta^{13}C$, $\delta^{15}N$, $\delta^{18}O$, δ^2D) Composition and Nutrient Concentration of Red Sea Primary Producers. <i>Frontiers in Marine Science</i> , 2018, 5, .	2.5	41
68	Biogenic silica production and diatom dynamics in the Svalbard region during spring. <i>Biogeosciences</i> , 2018, 15, 6503-6517.	3.3	31
69	Fast adaptation of tropical diatoms to increased warming with trade-offs. <i>Scientific Reports</i> , 2018, 8, 17771.	3.3	63
70	Losses of salt marsh in China: Trends, threats and management. <i>Estuarine, Coastal and Shelf Science</i> , 2018, 214, 98-109.	2.1	103
71	The ^{13}C method as a robust alternative to ^{14}C -based measurements of primary productivity in the Mediterranean Sea. <i>Journal of Plankton Research</i> , 2018, 40, 544-554.	1.8	20
72	Episodic Arctic CO2 Limitation in the West Svalbard Shelf. <i>Frontiers in Marine Science</i> , 2018, 5, .	2.5	25

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73	Phototoxic effects of two common marine fuels on the settlement success of the coral <i>Acropora tenuis</i> . <i>Scientific Reports</i> , 2018, 8, 8635.	3.3	28
74	Annual plankton community metabolism in estuarine and coastal waters in Perth (Western Australia). <i>PeerJ</i> , 2018, 6, e5081.	2.0	7
75	Flow cytometry detection of planktonic cells with polycyclic aromatic hydrocarbons sorbed to cell surfaces. <i>Marine Pollution Bulletin</i> , 2017, 118, 64-70.	5.0	8
76	Nutrient removal from Chinese coastal waters by large-scale seaweed aquaculture. <i>Scientific Reports</i> , 2017, 7, 46613.	3.3	131
77	Temperature dependence of plankton community metabolism in the subtropical and tropical oceans. <i>Global Biogeochemical Cycles</i> , 2017, 31, 1141-1154.	4.9	12
78	Autochthonous and allochthonous contributions of organic carbon to microbial food webs in Svalbard fjords. <i>Limnology and Oceanography</i> , 2017, 62, 1307-1323.	3.1	28
79	Decadal trends in Red Sea maximum surface temperature. <i>Scientific Reports</i> , 2017, 7, 8144.	3.3	151
80	Unveiling the role and life strategies of viruses from the surface to the dark ocean. <i>Science Advances</i> , 2017, 3, e1602565.	10.3	113
81	Zooplankton excretion metabolites stimulate Southern Ocean phytoplankton growth. <i>Polar Biology</i> , 2017, 40, 2035-2045.	1.2	10
82	Effects of UVB radiation on net community production in the upper global ocean. <i>Global Ecology and Biogeography</i> , 2017, 26, 54-64.	5.8	17
83	Contrasting Responses of Marine and Freshwater Photosynthetic Organisms to UVB Radiation: A Meta-Analysis. <i>Frontiers in Marine Science</i> , 2017, 4, .	2.5	12
84	Thermal Thresholds of Phytoplankton Growth in Polar Waters and Their Consequences for a Warming Polar Ocean. <i>Frontiers in Marine Science</i> , 2017, 4, .	2.5	25
85	Oligotrophication and Metabolic Slowing-Down of a NW Mediterranean Coastal Ecosystem. <i>Frontiers in Marine Science</i> , 2017, 4, .	2.5	17
86	Viruses and Protists Induced-mortality of Prokaryotes around the Antarctic Peninsula during the Austral Summer. <i>Frontiers in Microbiology</i> , 2017, 8, 241.	3.5	44
87	<i>Prochlorococcus</i> as a Possible Source for Transparent Exopolymer Particles (TEP). <i>Frontiers in Microbiology</i> , 2017, 8, 709.	3.5	37
88	Seagrass as major source of transparent exopolymer particles in the oligotrophic Mediterranean coast. <i>Biogeosciences</i> , 2017, 14, 5069-5075.	3.3	8
89	chapter 6 Ubiquitous Healthy Diatoms in the Deep Sea Confirm Deep Carbon Injection by the Biological Pump. , 2017, , 123-148.		0
90	Evidences of Impacts of Climate Change on Mediterranean Biota. <i>Frontiers in Marine Science</i> , 2016, 3, .	2.5	2

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91	Toxicity of natural mixtures of organic pollutants in temperate and polar marine phytoplankton. <i>Science of the Total Environment</i> , 2016, 571, 34-41.	8.0	33
92	CDOM Sources and Photobleaching Control Quantum Yields for Oceanic DMS Photolysis. <i>Environmental Science & Technology</i> , 2016, 50, 13361-13370.	10.0	22
93	Cell viability, pigments and photosynthetic performance of Arctic phytoplankton in contrasting ice-covered and open-water conditions during the spring-summer transition. <i>Marine Ecology - Progress Series</i> , 2016, 543, 89-106.	1.9	26
94	Joint additive effects of temperature and UVB radiation on zoeae of the crab <i>Taliepus dentatus</i> . <i>Marine Ecology - Progress Series</i> , 2016, 550, 135-145.	1.9	12
95	Primary marine aerosol emissions from the Mediterranean Sea during pre-bloom and oligotrophic conditions: correlations to seawater chlorophyll <i>a</i> from a mesocosm study. <i>Atmospheric Chemistry and Physics</i> , 2015, 15, 7961-7976.	4.9	47
96	Experimental assessment of cumulative temperature and UV-B radiation effects on Mediterranean plankton metabolism. <i>Frontiers in Marine Science</i> , 2015, 2, .	2.5	17
97	Footprints of climate change on Mediterranean Sea biota. <i>Frontiers in Marine Science</i> , 2015, 2, .	2.5	145
98	Sensitivity and Acclimation of Three Canopy-Forming Seaweeds to UVB Radiation and Warming. <i>PLoS ONE</i> , 2015, 10, e0143031.	2.5	36
99	Polycyclic aromatic hydrocarbons alter the structure of oceanic and oligotrophic microbial food webs. <i>Marine Pollution Bulletin</i> , 2015, 101, 726-735.	5.0	8
100	Experimental Assessment of Temperature Thresholds for Arctic Phytoplankton Communities. <i>Estuaries and Coasts</i> , 2015, 38, 873-885.	2.2	26
101	A transcriptome resource for Antarctic krill (<i>Euphausia superba</i> Dana) exposed to short-term stress. <i>Marine Genomics</i> , 2015, 23, 45-47.	1.1	8
102	Metatranscriptomes reveal functional variation in diatom communities from the Antarctic Peninsula. <i>ISME Journal</i> , 2015, 9, 2275-2289.	9.8	55
103	Ubiquitous healthy diatoms in the deep sea confirm deep carbon injection by the biological pump. <i>Nature Communications</i> , 2015, 6, 7608.	12.8	177
104	Temperature dependence of CO ₂ -enhanced primary production in the European Arctic Ocean. <i>Nature Climate Change</i> , 2015, 5, 1079-1082.	18.8	65
105	Phytoplankton biovolume is independent from the slope of the size spectrum in the oligotrophic Atlantic Ocean. <i>Journal of Marine Systems</i> , 2015, 152, 42-50.	2.1	12
106	PAHs reduce DNA synthesis and delay cell division in the widespread primary producer <i>Prochlorococcus</i> . <i>Environmental Pollution</i> , 2015, 196, 147-155.	7.5	16
107	Strong Sensitivity of Red Sea Zooplankton to UV-B Radiation. <i>Estuaries and Coasts</i> , 2015, 38, 846-853.	2.2	13
108	Contrasting Sensitivity of Marine Biota to UV-B Radiation Between Southern and Northern Hemispheres. <i>Estuaries and Coasts</i> , 2015, 38, 1126-1133.	2.2	15

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109	Multiple stressors for oceanic primary production. , 2015, , .		0
110	UV sensitivity of planktonic net community production in ocean surface waters. Journal of Geophysical Research G: Biogeosciences, 2014, 119, 929-936.	3.0	21
111	High Mortality of Red Sea Zooplankton under Ambient Solar Radiation. PLoS ONE, 2014, 9, e108778.	2.5	16
112	Temperature dependence of planktonic metabolism in the subtropical North Atlantic Ocean. Biogeosciences, 2014, 11, 4529-4540.	3.3	16
113	Ocean-atmosphere exchange of organic carbon and CO ₂ surrounding the Antarctic Peninsula. Biogeosciences, 2014, 11, 2755-2770.	3.3	20
114	The percentage of living bacterial cells related to organic carbon release from senescent oceanic phytoplankton. Biogeosciences, 2014, 11, 6377-6387.	3.3	16
115	Large mesopelagic fishes biomass and trophic efficiency in the open ocean. Nature Communications, 2014, 5, 3271.	12.8	561
116	Bacterial production and losses to predators along an open ocean productivity gradient in the Subtropical North East Atlantic Ocean. Journal of Plankton Research, 2014, 36, 198-213.	1.8	22
117	Tolerance of polar phytoplankton communities to metals. Environmental Pollution, 2014, 185, 188-195.	7.5	21
118	Ultraviolet radiation enhances Arctic net plankton community production. Geophysical Research Letters, 2014, 41, 5960-5967.	4.0	12
119	Consequences of UV-enhanced community respiration for plankton metabolic balance. Limnology and Oceanography, 2014, 59, 223-232.	3.1	22
120	Impact of elevated UVB radiation on marine biota: a meta-analysis. Global Ecology and Biogeography, 2013, 22, 131-144.	5.8	85
121	Sources of uncertainty in assessment of marine phytoplankton communities. Hydrobiologia, 2013, 704, 253-264.	2.0	23
122	Variability in the abundance of Trichodesmium and nitrogen fixation activities in the subtropical NE Atlantic. Journal of Plankton Research, 2013, 35, 1126-1140.	1.8	14
123	Polar marine biology science in Portugal and Spain: Recent advances and future perspectives. Journal of Sea Research, 2013, 83, 9-29.	1.6	15
124	The Oligotrophic Ocean Is Heterotrophic. Annual Review of Marine Science, 2013, 5, 551-569.	11.6	129
125	Snow cover affects ice algal pigment composition in the coastal Arctic Ocean during spring. Marine Ecology - Progress Series, 2013, 474, 89-104.	1.9	53
126	Prevalence of strong vertical CO ₂ and O ₂ variability in the top meters of the ocean. Global Biogeochemical Cycles, 2013, 27, 941-949.	4.9	15

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127	Phytoplankton lysis predicts dissolved organic carbon release in marine plankton communities. <i>Biogeosciences</i> , 2013, 10, 1259-1264.	3.3	60
128	Forcing of dissolved organic carbon release by phytoplankton by anticyclonic mesoscale eddies in the subtropical NE Atlantic Ocean. <i>Biogeosciences</i> , 2013, 10, 2129-2143.	3.3	25
129	Experimentally determined temperature thresholds for Arctic plankton community metabolism. <i>Biogeosciences</i> , 2013, 10, 357-370.	3.3	45
130	Effects of temperature on the metabolic stoichiometry of Arctic zooplankton. <i>Biogeosciences</i> , 2013, 10, 689-697.	3.3	34
131	Experimental evaluation of the warming effect on viral, bacterial and protistan communities in two contrasting Arctic systems. <i>Aquatic Microbial Ecology</i> , 2013, 70, 17-32.	1.8	53
132	Transference of Atmospheric Hydroxyl Radical to the Ocean Surface Induces High Phytoplankton Cell Death. <i>Photochemistry and Photobiology</i> , 2012, 88, 1473-1479.	2.5	3
133	Experimental assessment of the effect of UVB radiation on plankton community metabolism along the Southeastern Pacific off Chile. <i>Biogeosciences</i> , 2012, 9, 1267-1276.	3.3	12
134	Toxic thresholds of cadmium and lead to oceanic phytoplankton: Cell size and ocean basinâ€‘dependent effects. <i>Environmental Toxicology and Chemistry</i> , 2012, 31, 1887-1894.	4.3	44
135	Tipping Elements in the Arctic Marine Ecosystem. <i>Ambio</i> , 2012, 41, 44-55.	5.5	91
136	Distribution and contribution of major phytoplankton groups to carbon cycling across contrasting conditions of the subtropical northeast Atlantic Ocean. <i>Deep-Sea Research Part I: Oceanographic Research Papers</i> , 2011, 58, 1115-1129.	1.4	16
137	Antarctic krill as a source of dissolved organic carbon to the Antarctic ecosystem. <i>Limnology and Oceanography</i> , 2011, 56, 521-528.	3.1	23
138	Footprints of climate change in the Arctic marine ecosystem. <i>Global Change Biology</i> , 2011, 17, 1235-1249.	9.5	612
139	DIEL IN SITU PICOPHYTOPLANKTON CELL DEATH CYCLES COUPLED WITH CELL DIVISION¹. <i>Journal of Phycology</i> , 2011, 47, 1247-1257.	2.3	16
140	Cell size dependence of additive versus synergetic effects of UV radiation and PAHs on oceanic phytoplankton. <i>Environmental Pollution</i> , 2011, 159, 1307-1316.	7.5	44
141	Low water column nitrogen fixation in the Mediterranean Sea: basin-wide experimental evidence. <i>Aquatic Microbial Ecology</i> , 2011, 64, 135-147.	1.8	5
142	The role of arctic zooplankton in biogeochemical cycles: respiration and excretion of ammonia and phosphate during summer. <i>Polar Biology</i> , 2010, 33, 1719-1731.	1.2	70
143	Effect of ice melting on bacterial carbon fluxes channelled by viruses and protists in the Arctic Ocean. <i>Polar Biology</i> , 2010, 33, 1695-1707.	1.2	60
144	Phytoplankton community structure during the record Arctic ice-melting of summer 2007. <i>Polar Biology</i> , 2010, 33, 1709-1717.	1.2	40

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145	Impacts of climate warming on polar marine and freshwater ecosystems. <i>Polar Biology</i> , 2010, 33, 1595-1598.	1.2	14
146	Distribution and photoreactivity of chromophoric dissolved organic matter in the Antarctic Peninsula (Southern Ocean). <i>Marine Chemistry</i> , 2010, 118, 129-139.	2.3	46
147	Short-term effects of gamma ray bursts on oceanic photosynthesis. <i>Astrophysics and Space Science</i> , 2010, 330, 211-217.	1.4	26
148	Cell size dependent toxicity thresholds of polycyclic aromatic hydrocarbons to natural and cultured phytoplankton populations. <i>Environmental Pollution</i> , 2010, 158, 299-307.	7.5	114
149	Decrease in the abundance and viability of oceanic phytoplankton due to trace levels of complex mixtures of organic pollutants. <i>Chemosphere</i> , 2010, 81, 161-168.	8.2	75
150	Effects of ultraviolet radiation on growth, cell death and the standing stock of Antarctic phytoplankton. <i>Aquatic Microbial Ecology</i> , 2010, 59, 151-160.	1.8	21
151	Phyto- and bacterioplankton abundance and viability and their relationship with phosphorus across the Mediterranean Sea. <i>Aquatic Microbial Ecology</i> , 2010, 60, 175-191.	1.8	34
152	<i>Synechococcus</i> and <i>Prochlorococcus</i> cell death induced by UV radiation and the penetration of lethal UVR in the Mediterranean Sea. <i>Marine Ecology - Progress Series</i> , 2010, 399, 27-37.	1.9	57
153	Rejoinder to: Influence of river discharge in the tropical and subtropical North Atlantic Ocean. <i>Limnology and Oceanography</i> , 2009, 54, 648-652.	3.1	0
154	Evidence for surface organic matter modulation of air-sea CO ₂ and gas exchange. <i>Biogeosciences</i> , 2009, 6, 1105-1114.	3.3	34
155	Uncoupled distributions of transparent exopolymer particles (TEP) and dissolved carbohydrates in the Southern Ocean. <i>Marine Chemistry</i> , 2009, 115, 59-65.	2.3	54
156	Response of coastal Antarctic phytoplankton to solar radiation and ammonium manipulation: An in situ mesocosm experiment. <i>Journal of Geophysical Research</i> , 2009, 114, .	3.3	9
157	Bacterial activity and diffusive nutrient supply in the oligotrophic Central Atlantic Ocean. <i>Aquatic Microbial Ecology</i> , 2009, 56, 1-12.	1.8	37
158	Microbial plankton abundance and heterotrophic activity across the Central Atlantic Ocean. <i>Progress in Oceanography</i> , 2008, 79, 83-94.	3.2	25
159	Extending the cell digestion assay to quantify dead phytoplankton cells in cold and polar waters. <i>Limnology and Oceanography: Methods</i> , 2008, 6, 659-666.	2.0	15
160	Exploring the relationship between active bacterioplankton and phytoplankton in the Southern Ocean. <i>Aquatic Microbial Ecology</i> , 2008, 52, 99-106.	1.8	30
161	Allometric scaling of plant life history. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2007, 104, 15777-15780.	7.1	136
162	Large-scale variability in surface bacterial carbon demand and growth efficiency in the subtropical northeast Atlantic Ocean. <i>Limnology and Oceanography</i> , 2007, 52, 533-546.	3.1	102

#	ARTICLE	IF	CITATIONS
163	Solar Radiation-induced Mortality of Marine Pico-phytoplankton in the Oligotrophic Ocean. <i>Photochemistry and Photobiology</i> , 2007, 83, 793-801.	2.5	60
164	Bacterial assemblage structure and carbon metabolism along a productivity gradient in the NE Atlantic Ocean. <i>Aquatic Microbial Ecology</i> , 2007, 46, 43-53.	1.8	67
165	Aerosol inputs enhance new production in the subtropical northeast Atlantic. <i>Journal of Geophysical Research</i> , 2006, 111, .	3.3	81
166	B vitamins as regulators of phytoplankton dynamics. <i>Eos</i> , 2006, 87, 593.	0.1	71
167	Effects of dust deposition and river discharges on trace metal composition of <i>Trichodesmium</i> spp. in the tropical and subtropical North Atlantic Ocean. <i>Limnology and Oceanography</i> , 2006, 51, 1755-1761.	3.1	49
168	Cell death in lake phytoplankton communities. <i>Freshwater Biology</i> , 2006, 51, 1496-1506.	2.4	31
169	A comparative study of responses in plankton food web structure and function in contrasting European coastal waters exposed to experimental nutrient addition. <i>Limnology and Oceanography</i> , 2006, 51, 488-503.	3.1	46
170	Picophytoplankton cell death induced by UV radiation: Evidence for oceanic Atlantic communities. <i>Limnology and Oceanography</i> , 2006, 51, 21-29.	3.1	117
171	Growth and grazing losses of prokaryotes in the central Atlantic Ocean. <i>Journal of Plankton Research</i> , 2006, 28, 879-879.	1.8	3
172	Contrasting patterns of phytoplankton viability in the subtropical NE Atlantic Ocean. <i>Aquatic Microbial Ecology</i> , 2006, 43, 67-78.	1.8	43
173	Experimental test of bacteria-phytoplankton coupling in the Southern Ocean. <i>Limnology and Oceanography</i> , 2005, 50, 1844-1854.	3.1	85
174	Nutrient dynamics and ecosystem metabolism in the Bay of Blanes (NW Mediterranean). <i>Biogeochemistry</i> , 2005, 73, 303-323.	3.5	33
175	Growth and grazing losses of prokaryotes in the central Atlantic Ocean. <i>Journal of Plankton Research</i> , 2005, 27, 1055-1066.	1.8	14
176	Threshold of gross primary production for planktonic metabolic balance in the Southern Ocean: An experimental test. <i>Limnology and Oceanography</i> , 2005, 50, 1334-1339.	3.1	19
177	Control of air-sea CO ₂ disequilibria in the subtropical NE Atlantic by planktonic metabolism under the ocean skin. <i>Geophysical Research Letters</i> , 2005, 32, .	4.0	50
178	High atmosphere-ocean exchange of organic carbon in the NE subtropical Atlantic. <i>Geophysical Research Letters</i> , 2005, 32, .	4.0	60
179	Respiration in the mesopelagic and bathypelagic zones of the oceans. , 2005, , 181-205.		46
180	Controls on planktonic metabolism in the Bay of Blanes, northwestern Mediterranean littoral. <i>Limnology and Oceanography</i> , 2004, 49, 2162-2170.	3.1	55

#	ARTICLE	IF	CITATIONS
181	Plankton metabolism and dissolved organic carbon use in the Bay of Palma, NW Mediterranean Sea. <i>Aquatic Microbial Ecology</i> , 2004, 37, 47-54.	1.8	41
182	Effect of N:P ratios on response of Mediterranean picophytoplankton to experimental nutrient inputs. <i>Aquatic Microbial Ecology</i> , 2004, 34, 57-67.	1.8	24
183	Response of bacterial grazing rates to experimental manipulation of an Antarctic coastal nanoflagellate community. <i>Aquatic Microbial Ecology</i> , 2004, 36, 41-52.	1.8	29
184	Viability and niche segregation of <i>Prochlorococcus</i> and <i>Synechococcus</i> cells across the Central Atlantic Ocean. <i>Aquatic Microbial Ecology</i> , 2004, 36, 53-59.	1.8	67
185	Respiration in the dark ocean. <i>Geophysical Research Letters</i> , 2003, 30, .	4.0	44
186	On the relative constancy of iodate and total iodine concentrations accompanying phytoplankton blooms initiated in mesocosm experiments in Antarctica. <i>Limnology and Oceanography</i> , 2003, 48, 1569-1574.	3.1	20
187	Alkaline phosphatase activities in the central Atlantic Ocean indicate large areas with phosphorus deficiency. <i>Marine Ecology - Progress Series</i> , 2003, 262, 43-53.	1.9	84
188	Dissolved Organic Carbon Support of Respiration in the Dark Ocean. <i>Science</i> , 2002, 298, 1967-1967.	12.6	120
189	Cell viability in natural phytoplankton communities quantified by a membrane permeability probe. <i>Limnology and Oceanography</i> , 2002, 47, 818-828.	3.1	110
190	Addressing uncertainties in the assessment of phytoplankton lysis rates in the sea. <i>Limnology and Oceanography</i> , 2002, 47, 921-924.	3.1	6
191	Abundance of Antarctic picophytoplankton and their response to light and nutrient manipulation. <i>Aquatic Microbial Ecology</i> , 2002, 29, 161-172.	1.8	22
192	Comparative analysis of food webs based on flow networks: effects of nutrient supply on structure and function of coastal plankton communities. <i>Continental Shelf Research</i> , 2001, 21, 2043-2053.	1.8	22
193	Food-web structure and elemental (C, N and P) fluxes in the eastern tropical North Atlantic. <i>Deep-Sea Research Part II: Topical Studies in Oceanography</i> , 2001, 48, 2295-2321.	1.4	60
194	Evidence for a heterotrophic subtropical northeast Atlantic. <i>Limnology and Oceanography</i> , 2001, 46, 425-428.	3.1	94
195	Nutrient and temperature control of the contribution of picoplankton to phytoplankton biomass and production. <i>Limnology and Oceanography</i> , 2000, 45, 591-600.	3.1	577
196	Strong seasonality in phytoplankton cell lysis in the NW Mediterranean littoral. <i>Limnology and Oceanography</i> , 2000, 45, 940-947.	3.1	65
197	Particulate light absorption and the prediction of phytoplankton biomass and planktonic metabolism in northeastern Spanish aquatic ecosystems. <i>Canadian Journal of Fisheries and Aquatic Sciences</i> , 2000, 57, 25-33.	1.4	4
198	Latitudinal variability in phosphate uptake in the Central Atlantic. <i>Marine Ecology - Progress Series</i> , 2000, 194, 283-294.	1.9	34

#	ARTICLE	IF	CITATIONS
199	Response of a Mediterranean phytoplankton community to increased nutrient inputs: a mesocosm experiment. <i>Marine Ecology - Progress Series</i> , 2000, 195, 61-70.	1.9	64
200	Experimental induction of a large phytoplankton bloom in Antarctic coastal waters. <i>Marine Ecology - Progress Series</i> , 2000, 206, 73-85.	1.9	20
201	Effect of nutrient supply on the biomass structure of planktonic communities: an experimental test on a Mediterranean coastal community. <i>Marine Ecology - Progress Series</i> , 2000, 206, 87-95.	1.9	76
202	Response of Mediterranean <i>Synechococcus</i> growth and loss rates to experimental nutrient inputs. <i>Marine Ecology - Progress Series</i> , 2000, 206, 97-106.	1.9	47
203	Dissolved organic nitrogen and phosphorus pools and fluxes in the central Atlantic Ocean. <i>Limnology and Oceanography</i> , 1999, 44, 106-115.	3.1	96
204	Phytoplankton chlorophyll a distribution and water column stability in the central Atlantic Ocean. <i>Oceanologica Acta: European Journal of Oceanology - Revue Europeene De Oceanologie</i> , 1999, 22, 193-203.	0.7	58
205	Nitrate uptake and diffusive nitrate supply in the Central Atlantic. <i>Limnology and Oceanography</i> , 1999, 44, 116-126.	3.1	63
206	Latitudinal changes of copepod egg production rates in Atlantic waters: temperature and food availability as the main driving factors. <i>Marine Ecology - Progress Series</i> , 1999, 181, 155-162.	1.9	41
207	Determining the contribution of pigments and the nonalgal fractions to total absorption: Toward an improved algorithm. <i>Limnology and Oceanography</i> , 1998, 43, 449-457.	3.1	10
208	Partitioning particulate light absorption: A budget for a Mediterranean bay. <i>Limnology and Oceanography</i> , 1998, 43, 236-244.	3.1	26
209	Planktonic primary production and respiration in Spanish waters: from the mountains to the sea. <i>Verhandlungen Der Internationalen Vereinigung Fur Theoretische Und Angewandte Limnologie International Association of Theoretical and Applied Limnology</i> , 1998, 26, 1727-1727.	0.1	0
210	Dissolved esterase activity as a tracer of phytoplankton lysis: Evidence of high phytoplankton lysis rates in the northwestern Mediterranean. <i>Limnology and Oceanography</i> , 1998, 43, 1836-1849.	3.1	152
211	Growth and abundance of <i>Synechococcus</i> sp. in a Mediterranean Bay: seasonality and relationship with temperature. <i>Marine Ecology - Progress Series</i> , 1998, 170, 45-53.	1.9	145
212	Abundance, frequency of dividing cells and growth rates of <i>Synechococcus</i> sp. (cyanobacteria) in the stratified Northwest Mediterranean Sea. <i>Journal of Plankton Research</i> , 1997, 19, 1599-1615.	1.8	35
213	Bacterioplankton community structure: Protists control net production and the proportion of active bacteria in a coastal marine community. <i>Limnology and Oceanography</i> , 1996, 41, 1169-1179.	3.1	213
214	Microplankton respiration and net community metabolism on the NW Mediterranean coast. <i>Aquatic Microbial Ecology</i> , 1996, 10, 165-172.	1.8	24
215	Loss-controlled phytoplankton production in nutrient-poor littoral waters of the NW Mediterranean: in situ experimental evidence. <i>Marine Ecology - Progress Series</i> , 1996, 130, 213-219.	1.9	23
216	Growth rates of diatoms from coastal Antarctic waters estimated by in situ dialysis incubation. <i>Marine Ecology - Progress Series</i> , 1996, 144, 237-245.	1.9	15

#	ARTICLE	IF	CITATIONS
217	Comparative functional plant ecology: rationale and potentials. <i>Trends in Ecology and Evolution</i> , 1995, 10, 418-421.	8.7	42
218	Light Harvesting Among Photosynthetic Organisms. <i>Functional Ecology</i> , 1994, 8, 273.	3.6	86
219	Light absorption by marine macrophytes. <i>Oecologia</i> , 1994, 98, 121-129.	2.0	76
220	Functional implications of the form of <i>Codium bursa</i> , a balloon-like Mediterranean macroalga. <i>Marine Ecology - Progress Series</i> , 1994, 108, 153-160.	1.9	9
221	Microbial heterotrophs within <i>Codium bursa</i> : a naturally isolated microbial food web. <i>Marine Ecology - Progress Series</i> , 1994, 109, 275-282.	1.9	6
222	Light absorption by cyanobacteria: Implications of the colonial growth form. <i>Limnology and Oceanography</i> , 1992, 37, 434-441.	3.1	38
223	Patterns in phytoplankton community structure in Florida lakes. <i>Limnology and Oceanography</i> , 1992, 37, 155-161.	3.1	42
224	Self-regulation, bottom-up, and top-down control of phytoplankton communities: A reply to the comment by Kamenir. <i>Limnology and Oceanography</i> , 1992, 37, 683-687.	3.1	6
225	Relationship between light absorption by pelagic particles and microplankton metabolic activity in the Gulf of Lions. <i>Marine Ecology - Progress Series</i> , 1992, 85, 283-287.	1.9	11
226	Light absorption by seagrass <i>Posidonia oceanica</i> leaves. <i>Marine Ecology - Progress Series</i> , 1992, 86, 201-204.	1.9	36
227	Biomass partitioning in Florida phytoplankton communities. <i>Journal of Plankton Research</i> , 1991, 13, 239-245.	1.8	16
228	Allometric Scaling of Light Absorption and Scattering by Phytoplankton Cells. <i>Canadian Journal of Fisheries and Aquatic Sciences</i> , 1991, 48, 763-767.	1.4	78
229	Light environment within dense algal populations: cell size influences on self-shading. <i>Journal of Plankton Research</i> , 1991, 13, 863-871.	1.8	35
230	Size plasticity of freshwater phytoplankton: Implications for community structure. <i>Limnology and Oceanography</i> , 1990, 35, 1846-1851.	3.1	18
231	Phytoplankton abundance in Florida lakes: Evidence for the frequent lack of nutrient limitation. <i>Limnology and Oceanography</i> , 1990, 35, 181-187.	3.1	30
232	The influence of growth conditions on the size dependence of maximal algal density and biomass. <i>Limnology and Oceanography</i> , 1989, 34, 1104-1108.	3.1	32
233	Algal cell size and the maximum density and biomass of phytoplankton1. <i>Limnology and Oceanography</i> , 1987, 32, 983-986.	3.1	63
234	An upper limit to the abundance of aquatic organisms. <i>Oecologia</i> , 1987, 74, 272-276.	2.0	46