

Anya M Waite

List of Publications by Year in descending order

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86
papers

5,207
citations

93044

35
h-index

75376

70
g-index

94
all docs

94
docs citations

94
times ranked

5862
citing authors

#	ARTICLE	IF	CITATIONS
1	Microbial diversity through an oceanographic lens: refining the concept of ocean provinces through trophic level analysis and productivity-specific length scales. <i>Environmental Microbiology</i> , 2022, 24, 404-419.	3.8	11
2	<scp>The Underwater Vision Profiler 6: an imaging sensor of particle size spectra and plankton, for autonomous and cabled platforms</scp>. <i>Limnology and Oceanography: Methods</i> , 2022, 20, 115-129.	1.9	61
3	Dynamic change in an ocean desert: Microbial diversity and trophic transfer along the 110 °E meridional in the Indian Ocean. <i>Deep-Sea Research Part II: Topical Studies in Oceanography</i> , 2022, 201, 105097.	2.4	9
4	Machine learning techniques to characterize functional traits of plankton from image data. <i>Limnology and Oceanography</i> , 2022, 67, 1647-1669.	3.8	43
5	Perspectives on Documenting Methods to Create Ocean Best Practices. <i>Frontiers in Marine Science</i> , 2021, 7, .	2.6	7
6	Metabolic pathways inferred from a bacterial marker gene illuminate ecological changes across South Pacific frontal boundaries. <i>Nature Communications</i> , 2021, 12, .	14.1	31
7	Marine snow morphology illuminates the evolution of phytoplankton blooms and determines their subsequent vertical export. <i>Nature Communications</i> , 2021, 12, .	14.1	51
8	Hydrographic fronts shape productivity, nitrogen fixation, and microbial community composition in the southern Indian Ocean and the Southern Ocean. <i>Biogeosciences</i> , 2021, 18, 3733-3749.	3.1	19
9	High-resolution physical-biogeochemical structure of a filament and an eddy of upwelled water off northwest Africa. <i>Ocean Science</i> , 2020, 16, 253-270.	2.6	6
10	Production and ecosystem structure in cold-core vs. warm-core eddies: Implications for the zooplankton isoscape and rock lobster larvae. <i>Limnology and Oceanography</i> , 2019, 64, 2405-2423.	3.8	20
11	Globally Consistent Quantitative Observations of Planktonic Ecosystems. <i>Frontiers in Marine Science</i> , 2019, 6, .	2.6	242
12	Microfluidic oxygen sensor system as a tool to monitor the metabolism of mammalian cells. <i>Sensors and Actuators B: Chemical</i> , 2019, 289, 24-31.	7.7	12
13	A database of chlorophyll a in Australian waters. <i>Scientific Data</i> , 2018, 5, .	6.4	14
14	Marine bacterial richness increases towards higher latitudes in the eastern Indian Ocean. <i>Limnology and Oceanography Letters</i> , 2018, 3, 10-19.	4.6	23
15	Beyond Chlorophyll Fluorescence: The Time is Right to Expand Biological Measurements in Ocean Observing Programs. <i>Limnology and Oceanography Bulletin</i> , 2018, 27, 89-90.	0.6	22
16	Microfluidic oxygen sensor based on silica gels for longterm experiments. , 2018, , 1221-1224.		1
17	Hard and soft plastic resin embedding for single-cell element uptake investigations of marine snow-associated microorganisms using nano-scale secondary ion mass spectrometry. <i>Limnology and Oceanography: Methods</i> , 2018, 16, 484-503.	1.9	6
18	Embedding and slicing of intact in situ collected marine snow. <i>Limnology and Oceanography: Methods</i> , 2018, 16, 339-355.	1.9	21

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19	Oceanographic boundaries constrain microbial diversity gradients in the South Pacific Ocean. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018, 115, .	7.7	77
20	¼Respirometer to determine the oxygen consumption rate of mammalian cells in a microfluidic cell culture. , 2017, , 414-417.		5
21	Seaâ€ice retreat controls timing of summer plankton blooms in the Eastern Arctic Ocean. <i>Geophysical Research Letters</i> , 2016, 43, .	4.2	41
22	Cross-shelf transport, oxygen depletion, and nitrate release within a forming mesoscale eddy in the eastern Indian Ocean. <i>Limnology and Oceanography</i> , 2016, 61, 103-121.	3.8	16
23	The wineglass effect shapes particle export to the deep ocean in mesoscale eddies. <i>Geophysical Research Letters</i> , 2016, 43, 9791-9800.	4.2	34
24	A database of marine phytoplankton abundance, biomass and species composition in Australian waters. <i>Scientific Data</i> , 2016, 3, .	6.4	19
25	Annals of Mentorship: A Memoir of Sifford Pearre, Jr.. <i>Limnology and Oceanography Bulletin</i> , 2016, 25, 130-130.	0.6	0
26	Reduction of the Powerful Greenhouse Gas N2O in the South-Eastern Indian Ocean. <i>PLoS ONE</i> , 2016, 11, e0145996.	2.5	16
27	Sources of new nitrogen in the Indian Ocean. <i>Global Biogeochemical Cycles</i> , 2015, 29, 1283-1297.	5.4	16
28	Growth of a deep-water, predatory fish is influenced by the productivity of a boundary current system. <i>Scientific Reports</i> , 2015, 5, .	3.7	17
29	Spinning in different directions: western rock lobster larval condition varies with eddy polarity, but does their diet?. <i>Journal of Plankton Research</i> , 2015, 37, 542-553.	1.7	12
30	Climate variability drives plankton community composition changes: the 2010â€2011 El NiÃ±o to La NiÃ±a transition around Australia. <i>Journal of Plankton Research</i> , 2015, 37, 966-984.	1.7	19
31	Phyllosomata associated with large gelatinous zooplankton: hitching rides and stealing bites. <i>ICES Journal of Marine Science</i> , 2015, 72, i124-i127.	2.8	10
32	PARTâ€TIMERS: YOU THINK YOU DON'T MEASURE UP? YOU MAY JUST BE RIGHT. <i>Limnology and Oceanography Bulletin</i> , 2014, 23, 33-34.	0.6	1
33	Seasonality of sporadic physical processes driving temperature and nutrient highâ€frequency variability in the coastal ocean off southeast Australia. <i>Journal of Geophysical Research: Oceans</i> , 2014, 119, 445-460.	3.0	30
34	The zooplankton prey field for rock lobster phyllosoma larvae in relation to oceanographic features of the south-eastern Indian Ocean. <i>Journal of Plankton Research</i> , 2014, 36, 1003-1016.	1.7	14
35	Simultaneous Quantification of Active Carbon- and Nitrogen-Fixing Communities and Estimation of Fixation Rates Using Fluorescence <i>In Situ</i> Hybridization and Flow Cytometry. <i>Applied and Environmental Microbiology</i> , 2014, 80, 6750-6759.	3.6	12
36	Phytoplankton composition under contrasting oceanographic conditions: Upwelling and downwelling (Eastern Australia). <i>Continental Shelf Research</i> , 2014, 75, 54-67.	2.0	43

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37	Changes in latitude and dominant diazotrophic community alter N ₂ fixation. <i>Marine Ecology - Progress Series</i> , 2014, 516, 85-102.	1.9	21
38	On the factors influencing the development of sporadic upwelling in the Leeuwin Current system. <i>Journal of Geophysical Research: Oceans</i> , 2013, 118, 3608-3621.	3.0	42
39	Copper addition helps alleviate iron stress in a coastal diatom: Response of <i>Chaetoceros gracilis</i> from the Bay of Bengal to experimental Cu and Fe addition. <i>Marine Chemistry</i> , 2013, 157, 224-232.	2.4	18
40	Linking synoptic forcing and local mesoscale processes with biological dynamics off Ningaloo Reef. <i>Journal of Geophysical Research: Oceans</i> , 2013, 118, 1211-1225.	3.0	15
41	An analysis of the relationship between phytoplankton internal stoichiometry and water column N:P ratios in a dynamic lake environment. <i>Ecological Modelling</i> , 2013, 252, 196-213.	3.0	26
42	Particulate nutrient fluxes over a fringing coral reef: Source-sink dynamics inferred from carbon to nitrogen ratios and stable isotopes. <i>Limnology and Oceanography</i> , 2013, 58, 409-427.	3.8	50
43	Temporal Variations in Metabolic and Autotrophic Indices for <i>Acropora digitifera</i> and <i>Acropora spicifera</i> – Implications for Monitoring Projects. <i>PLoS ONE</i> , 2013, 8, e63693.	2.5	4
44	Which Environmental Factors Predict Seasonal Variation in the Coral Health of <i>Acropora digitifera</i> and <i>Acropora spicifera</i> at Ningaloo Reef?. <i>PLoS ONE</i> , 2013, 8, e60830.	2.5	10
45	Oceanographic forcing of nutrient uptake and release over a fringing coral reef. <i>Limnology and Oceanography</i> , 2012, 57, 401-419.	3.8	42
46	Fussy Feeders: <i>Phyllosoma</i> Larvae of the Western Rocklobster (<i>Panulirus cygnus</i>) Demonstrate Prey Preference. <i>PLoS ONE</i> , 2012, 7, e36580.	2.5	34
47	Changes in Impacts of Climate Extremes: Human Systems and Ecosystems. , 2012, , 231-290.		142
48	The role of the Leeuwin Current and mixed layer depth on the autumn phytoplankton bloom off Ningaloo Reef, Western Australia. <i>Continental Shelf Research</i> , 2012, 32, 22-35.	2.0	32
49	Determining the Diet of Larvae of Western Rock Lobster (<i>Panulirus cygnus</i>) Using High-Throughput DNA Sequencing Techniques. <i>PLoS ONE</i> , 2012, 7, e42757.	2.5	76
50	Variability in Isotope Discrimination Factors in Coral Reef Fishes: Implications for Diet and Food Web Reconstruction. <i>PLoS ONE</i> , 2010, 5, e13682.	2.5	52
51	Particulate nutrient fluxes over a fringing coral reef: relevant scales of phytoplankton production and mechanisms of supply. <i>Marine Ecology - Progress Series</i> , 2010, 405, 113-130.	1.9	72
52	Nutrient limitation of phytoplankton in solar salt ponds in Shark Bay, Western Australia. <i>Hydrobiologia</i> , 2009, 626, 97-109.	2.0	6
53	The effect of the Leeuwin Current on phytoplankton biomass and production off Southwestern Australia. <i>Journal of Geophysical Research</i> , 2008, 113, .	3.9	58
54	Physical and chemical signatures of a developing anticyclonic eddy in the Leeuwin Current, eastern Indian Ocean. <i>Journal of Geophysical Research</i> , 2008, 113, .	3.9	35

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55	Effect of multiple antibiotic treatments on a paralytic shellfish toxin-producing culture of the dinoflagellate <i>Alexandrium minutum</i> . <i>Aquatic Microbial Ecology</i> , 2007, 48, 255-260.	1.1	18
56	Systematics of a rare radiolarian "Coelodicerias spinosum Haecker (Sarcodina: Actinopoda): Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 707 1094-1102.	2.4	3
57	Assessing the magnitude and significance of deep chlorophyll maxima of the coastal eastern Indian Ocean. <i>Deep-Sea Research Part II: Topical Studies in Oceanography</i> , 2007, 54, 884-901.	2.4	46
58	Phytoplankton community structure and nitrogen nutrition in Leeuwin Current and coastal waters off the Gascoyne region of Western Australia. <i>Deep-Sea Research Part II: Topical Studies in Oceanography</i> , 2007, 54, 902-924.	2.4	31
59	Characteristics of two counter-rotating eddies in the Leeuwin Current system off the Western Australian coast. <i>Deep-Sea Research Part II: Topical Studies in Oceanography</i> , 2007, 54, 961-980.	2.4	83
60	Contrasting the vertical differences in the phytoplankton biology of a dipole pair of eddies in the south-eastern Indian Ocean. <i>Deep-Sea Research Part II: Topical Studies in Oceanography</i> , 2007, 54, 1003-1028.	2.4	65
61	Microzooplankton community structure and grazing on phytoplankton, in an eddy pair in the Indian Ocean off Western Australia. <i>Deep-Sea Research Part II: Topical Studies in Oceanography</i> , 2007, 54, 1076-1093.	2.4	33
62	Unicellular diazotrophy as a source of nitrogen to Leeuwin Current coastal eddies. <i>Deep-Sea Research Part II: Topical Studies in Oceanography</i> , 2007, 54, 1045-1054.	2.4	40
63	Matching carbon pools and fluxes for the Southern Ocean Iron Release Experiment (SOIREE). <i>Deep-Sea Research Part I: Oceanographic Research Papers</i> , 2006, 53, 1941-1960.	1.7	7
64	Flocculation and phytoplankton cell size can alter ²³⁴ Th-based estimates of the vertical flux of particulate organic carbon in the sea. <i>Marine Chemistry</i> , 2006, 100, 366-375.	2.4	20
65	Transition from Planktonic to Benthic Algal Dominance Along a Salinity Gradient. <i>Hydrobiologia</i> , 2006, 556, 119-135.	2.0	19
66	Particle tracking in a salinity gradient: A method for measuring sinking rate of individual phytoplankton in the laboratory. <i>Limnology and Oceanography: Methods</i> , 2006, 4, 329-335.	1.9	22
67	Bloom and decline of the toxic flagellate <i>Chattonella marina</i> in a Swedish fjord. <i>Marine Ecology - Progress Series</i> , 2006, 326, 77-83.	1.9	18
68	Linking ecosystem dynamics and biogeochemistry: Sinking fractionation of organic carbon in a Swedish fjord. <i>Limnology and Oceanography</i> , 2005, 50, 658-671.	3.8	40
69	Synthesis of iron fertilization experiments: From the Iron Age in the Age of Enlightenment. <i>Journal of Geophysical Research</i> , 2005, 110, .	3.9	549
70	Role of algal aggregation in vertical carbon export during SOIREE and in other low biomass environments. <i>Geophysical Research Letters</i> , 2005, 32, .	4.2	68
71	Disaggregation of <i>Microcystis aeruginosa</i> colonies under turbulent mixing: laboratory experiments in a grid-stirred tank. <i>Hydrobiologia</i> , 2004, 519, 143-152.	2.0	82
72	Critical space scales for aggregation-mediated carbon export from ocean fertilization. <i>Geophysical Research Letters</i> , 2003, 30, .	4.2	1

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73	Simple mixing criteria for the growth of negatively buoyant phytoplankton. <i>Limnology and Oceanography</i> , 2003, 48, 1326-1337.	3.8	36
74	Are mesoscale perturbation experiments in polar waters prone to physical artefacts? Evidence from algal aggregation modelling studies. <i>Geophysical Research Letters</i> , 2002, 29, .	4.2	25
75	Particle transformations and export flux during an in situ iron-stimulated algal bloom in the Southern Ocean. <i>Geophysical Research Letters</i> , 2001, 28, 2409-2412.	4.2	34
76	The effect of in situ iron addition on the sinking rates and export flux of Southern Ocean diatoms. <i>Deep-Sea Research Part II: Topical Studies in Oceanography</i> , 2001, 48, 2635-2654.	2.4	87
77	Is Southern Ocean organic carbon and biogenic silica export enhanced by iron-stimulated increases in biological production? Sediment trap results from SOIREE. <i>Deep-Sea Research Part II: Topical Studies in Oceanography</i> , 2001, 48, 2681-2701.	2.4	37
78	Iron uptake and physiological response of phytoplankton during a mesoscale Southern Ocean iron enrichment. <i>Limnology and Oceanography</i> , 2001, 46, 1802-1808.	3.8	73
79	Mass sedimentation of picoplankton embedded in organic aggregates. <i>Limnology and Oceanography</i> , 2000, 45, 87-97.	3.8	107
80	A mesoscale phytoplankton bloom in the polar Southern Ocean stimulated by iron fertilization. <i>Nature</i> , 2000, 407, 695-702.	40.1	1,311
81	Sinking rate versus cell volume relationships illuminate sinking rate control mechanisms in marine diatoms. <i>Marine Ecology - Progress Series</i> , 1997, 157, 97-108.	1.9	104
82	SUGAR-CONTAINING COMPOUNDS ON THE CELL SURFACES OF MARINE DIATOMS MEASURED USING CONCAVALIN A AND FLOW CYTOMETRY1. <i>Journal of Phycology</i> , 1995, 31, 925-933.	3.4	60
83	Does energy control the sinking rates of marine diatoms?. <i>Limnology and Oceanography</i> , 1992, 37, 468-477.	3.8	114
84	Spring bloom sedimentation in a subarctic ecosystem. <i>Marine Biology</i> , 1992, 114, 119-129.	1.6	49
85	Spring bloom sedimentation in a subarctic ecosystem. <i>Marine Biology</i> , 1992, 114, 131-138.	1.6	46
86	Sinking Organic Particles in the Ocean – Flux Estimates From in situ Optical Devices. <i>Frontiers in Marine Science</i> , 0, 6, .	2.6	80