

Andrew T Revill

List of Publications by Year in descending order

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Version: 2024-02-01

68
papers

2,774
citations

159585

30
h-index

189892

50
g-index

68
all docs

68
docs citations

68
times ranked

3858
citing authors

#	ARTICLE	IF	CITATIONS
1	The effects of varying CO ₂ concentration on lipid composition and carbon isotope fractionation in <i>Emiliana huxleyi</i> . <i>Geochimica Et Cosmochimica Acta</i> , 2000, 64, 4179-4192.	3.9	183
2	Archaeal ammonia oxidizers and <i>nirS</i> -type denitrifiers dominate sediment nitrifying and denitrifying populations in a subtropical macrotidal estuary. <i>ISME Journal</i> , 2010, 4, 286-300.	9.8	170
3	Organic matter sources in an enclosed coastal inlet assessed using lipid biomarkers and stable isotopes. <i>Organic Geochemistry</i> , 2008, 39, 689-710.	1.8	127
4	Inorganic carbon physiology underpins macroalgal responses to elevated CO ₂ . <i>Scientific Reports</i> , 2017, 7, 46297.	3.3	119
5	Hydrocarbon biomarkers, thermal maturity, and depositional setting of tasmanite oil shales from Tasmania, Australia. <i>Geochimica Et Cosmochimica Acta</i> , 1994, 58, 3803-3822.	3.9	111
6	The effects of nitrogen and water on mineralisation of hydrocarbons in diesel-contaminated terrestrial Antarctic soils. <i>Cold Regions Science and Technology</i> , 2003, 37, 197-212.	3.5	86
7	Stable isotopic evidence for trophic groupings and bio-regionalization of predators and their prey in oceanic waters off eastern Australia. <i>Marine Biology</i> , 2009, 156, 1241-1253.	1.5	86
8	Carbon and nitrogen cycling on intertidal mudflats of a temperate Australian estuary. II. Nitrogen cycling. <i>Marine Ecology - Progress Series</i> , 2004, 280, 39-54.	1.9	80
9	Ocean acidification reverses the positive effects of seawater pH fluctuations on growth and photosynthesis of the habitat-forming kelp, <i>Ecklonia radiata</i> . <i>Scientific Reports</i> , 2016, 6, 26036.	3.3	76
10	Allochthonous brown algae are the primary food source for consumers in a temperate, coastal environment. <i>Marine Ecology - Progress Series</i> , 2009, 376, 33-44.	1.9	76
11	High prevalence of diffusive uptake of CO ₂ by macroalgae in a temperate subtidal ecosystem. <i>Photosynthesis Research</i> , 2015, 124, 181-190.	2.9	75
12	Carbon and nitrogen cycling on intertidal mudflats of a temperate Australian estuary. III. Sources of organic matter. <i>Marine Ecology - Progress Series</i> , 2004, 280, 55-72.	1.9	73
13	Erosion source discrimination in a rural Australian catchment using compound-specific isotope analysis (CSIA). <i>Hydrological Processes</i> , 2013, 27, 923-932.	2.6	67
14	Investigation of evaporation and biodegradation of fuel spills in Antarctica I. A chemical approach using GC-FID. <i>Chemosphere</i> , 2005, 61, 1485-1494.	8.2	63
15	Controls on phytoplankton productivity in a wet-dry tropical estuary. <i>Estuarine, Coastal and Shelf Science</i> , 2012, 113, 141-151.	2.1	61
16	Nitrogen sufficiency enhances thermal tolerance in habitat-forming kelp: implications for acclimation under thermal stress. <i>Scientific Reports</i> , 2020, 10, 3186.	3.3	61
17	Effects of temperature on mineralisation of petroleum in contaminated Antarctic terrestrial sediments. <i>Chemosphere</i> , 2003, 52, 975-987.	8.2	56
18	Factors influencing the distributions of polyunsaturated terpenoids in the diatom, <i>Rhizosolenia setigera</i> . <i>Phytochemistry</i> , 2001, 58, 717-728.	2.9	54

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19	Responses of macroalgae to CO ₂ enrichment cannot be inferred solely from their inorganic carbon uptake strategy. <i>Ecology and Evolution</i> , 2019, 9, 125-140.	1.9	53
20	A field trial of in situ chemical oxidation to remediate long-term diesel contaminated Antarctic soil. <i>Cold Regions Science and Technology</i> , 2004, 40, 47-60.	3.5	52
21	Isotope enrichment in mangrove forests separates microphytobenthos and detritus as carbon sources for animals. <i>Limnology and Oceanography</i> , 2010, 55, 393-402.	3.1	50
22	Effects of estuarine sediment hypoxia on nitrogen fluxes and ammonia oxidizer gene transcription. <i>FEMS Microbiology Ecology</i> , 2011, 75, 111-122.	2.7	49
23	Canopy photosynthesis of six major arable crops is enhanced under diffuse light due to canopy architecture. <i>Global Change Biology</i> , 2020, 26, 5164-5177.	9.5	48
24	Trends in tuna carbon isotopes suggest global changes in pelagic phytoplankton communities. <i>Global Change Biology</i> , 2020, 26, 458-470.	9.5	47
25	Vertical migration of the toxic dinoflagellate <i>Gymnodinium catenatum</i> under different concentrations of nutrients and humic substances in culture. <i>Harmful Algae</i> , 2006, 5, 665-677.	4.8	46
26	Petroleum hydrocarbons ten years after spillage at a helipad in Bunger Hills, East Antarctica. <i>Antarctic Science</i> , 1999, 11, 427-429.	0.9	45
27	Sources of organic matter in sediments from the Ord River in tropical northern Australia. <i>Organic Geochemistry</i> , 2007, 38, 1039-1060.	1.8	44
28	Effect of nutrient loading on biogeochemical processes in tropical tidal creeks. <i>Biogeochemistry</i> , 2012, 108, 359-380.	3.5	42
29	A biochemical approach for identifying plastics exposure in live wildlife. <i>Methods in Ecology and Evolution</i> , 2015, 6, 92-98.	5.2	40
30	Adjustments in fatty acid composition is a mechanism that can explain resilience to marine heatwaves and future ocean conditions in the habitat-forming seaweed <i>Phyllospora comosa</i> (Labillardiere) C.Agardh. <i>Global Change Biology</i> , 2020, 26, 3512-3524.	9.5	38
31	River regulation alters drivers of primary productivity along a tropical river-estuary system. <i>Marine and Freshwater Research</i> , 2011, 62, 141.	1.3	35
32	Carbon cycling of European croplands: A framework for the assimilation of optical and microwave Earth observation data. <i>Remote Sensing of Environment</i> , 2013, 137, 84-93.	11.0	30
33	The Value of Sentinel-2 Spectral Bands for the Assessment of Winter Wheat Growth and Development. <i>Remote Sensing</i> , 2019, 11, 2050.	4.0	29
34	Sources of nutrients driving production in the Gulf of Carpentaria, Australia: a shallow tropical shelf system. <i>Marine and Freshwater Research</i> , 2009, 60, 1044.	1.3	28
35	Quantifying Uncertainty and Bridging the Scaling Gap in the Retrieval of Leaf Area Index by Coupling Sentinel-2 and UAV Observations. <i>Remote Sensing</i> , 2020, 12, 1843.	4.0	27
36	Responses of seaweeds that use CO ₂ as their sole inorganic carbon source to ocean acidification: differential effects of fluctuating pH but little benefit of CO ₂ enrichment. <i>ICES Journal of Marine Science</i> , 2019, 76, 1860-1870.	2.5	26

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37	Applications of Biomarkers for Identifying Sources of Natural and Pollutant Hydrocarbons in Aquatic Environments. ACS Symposium Series, 1997, , 110-132.	0.5	24
38	Integrated management of a Swiss cropland is not sufficient to preserve its soil carbon pool in the long term. Biogeosciences, 2018, 15, 5377-5393.	3.3	24
39	Growth, ammonium metabolism, and photosynthetic properties of <i>Ulva australis</i> (Chlorophyta) under decreasing pH and ammonium enrichment. PLoS ONE, 2017, 12, e0188389.	2.5	23
40	Salinity variations in the northern Coorong Lagoon, South Australia: Significant changes in the ecosystem following human alteration to the natural water regime. Organic Geochemistry, 2014, 75, 74-86.	1.8	22
41	Effect of sewage nutrients on algal production, biomass and pigments in tropical tidal creeks. Marine Pollution Bulletin, 2012, 64, 2671-2680.	5.0	21
42	Use of oxidative degradation followed by capillary gas chromatography-mass spectrometry and multi-dimensional scaling analysis to fingerprint unresolved complex mixtures of hydrocarbons. Journal of Chromatography A, 1992, 589, 281-286.	3.7	20
43	Preservation effects on the isotopic and elemental composition of skeletal structures in the deep-sea bamboo coral <i>Lepidisis</i> spp. (Isididae). Deep-Sea Research Part II: Topical Studies in Oceanography, 2014, 99, 199-206.	1.4	20
44	Monitoring sublethal changes in fish physiology following exposure to a light, unweathered crude oil. Aquatic Toxicology, 2018, 204, 27-45.	4.0	19
45	Stable mercury concentrations of tropical tuna in the south western Pacific ocean: An 18-year monitoring study. Chemosphere, 2021, 263, 128024.	8.2	19
46	Stress due to low nitrate availability reduces the biochemical acclimation potential of the giant kelp <i>Macrocystis pyrifera</i> to high temperature. Algal Research, 2020, 47, 101895.	4.6	19
47	Euphotic zone variations in bulk and compound-specific $\delta^{13}C$ of suspended organic matter in the Subantarctic Ocean, south of Australia. Journal of Geophysical Research, 2001, 106, 31669-31684.	3.3	18
48	Constraints on transport and weathering of petroleum contamination at Casey Station, Antarctica. Cold Regions Science and Technology, 2007, 48, 154-167.	3.5	18
49	Understanding diel-vertical feeding migrations in zooplankton using bulk carbon and nitrogen stable isotopes. Journal of Plankton Research, 2014, 36, 1159-1163.	1.8	16
50	Seasonal and site-specific variation in the nutritional quality of temperate seaweed assemblages: implications for grazing invertebrates and the commercial exploitation of seaweeds. Journal of Applied Phycology, 2021, 33, 603-616.	2.8	16
51	Natural hydrocarbon seepage on the continental slope to the east of Mississippi Canyon in the northern Gulf of Mexico. Geochemistry, Geophysics, Geosystems, 2013, 14, 1940-1956.	2.5	15
52	The effects of wildlife tourism provisioning on non-target species. Biological Conservation, 2020, 241, 108317.	4.1	14
53	Transcriptomic, lipid, and histological profiles suggest changes in health in fish from a pesticide hot spot. Marine Environmental Research, 2018, 140, 299-321.	2.5	13
54	Functional traits explain trophic allometries of cephalopods. Journal of Animal Ecology, 2020, 89, 2692-2703.	2.8	12

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55	Feeding Whole Thraustochyrid Biomass to Cultured Atlantic Salmon (<i>Salmo salar</i>) Fingerlings: Culture Performance and Fatty Acid Incorporation. <i>Journal of Marine Science and Engineering</i> , 2020, 8, 207.	2.6	12
56	Measuring carbon isotope ratios of microphytobenthos using compound-specific stable isotope analysis of phytol. <i>Limnology and Oceanography: Methods</i> , 2005, 3, 511-519.	2.0	11
57	From instantaneous to continuous: Using imaging spectroscopy and in situ data to map two productivity-related ecosystem services. <i>Ecological Indicators</i> , 2017, 82, 409-419.	6.3	11
58	Photo-induced toxicity following exposure to crude oil and ultraviolet radiation in 2 Australian fishes. <i>Environmental Toxicology and Chemistry</i> , 2018, 37, 1359-1366.	4.3	11
59	Seasonal ammonium uptake kinetics of four brown macroalgae: Implications for use in integrated multi-trophic aquaculture. <i>Journal of Applied Phycology</i> , 2022, 34, 1693-1708.	2.8	9
60	Inferring management and predicting sub-field scale C dynamics in UK grasslands using biogeochemical modelling and satellite-derived leaf area data. <i>Agricultural and Forest Meteorology</i> , 2021, 307, 108466.	4.8	8
61	Estimating cropland carbon fluxes: A process-based model evaluation at a Swiss crop-rotation site. <i>Field Crops Research</i> , 2019, 234, 95-106.	5.1	7
62	Light regulates inorganic nitrogen uptake and storage, but not nitrate assimilation, by the red macroalga <i>Hemineura frondosa</i> (Rhodophyta). <i>European Journal of Phycology</i> , 2021, 56, 174-185.	2.0	6
63	Australian Strains of <i>Botryococcus braunii</i> Examined for Potential Hydrocarbon and Carotenoid Pigment Production and the Effect of Brackish Water. <i>Energies</i> , 2020, 13, 6644.	3.1	5
64	Accounting for foliar gradients in V_{cmax} and J_{max} improves estimates of net CO ₂ exchange of forests. <i>Agricultural and Forest Meteorology</i> , 2022, 314, 108771.	4.8	5
65	Impacts of reduced model complexity and driver resolution on cropland ecosystem photosynthesis estimates. <i>Field Crops Research</i> , 2016, 187, 74-86.	5.1	2
66	Naturally occurring hydrocarbon content and baseline condition of deep-sea benthic fauna from the Great Australian Bight. <i>Deep-Sea Research Part II: Topical Studies in Oceanography</i> , 2018, 157-158, 106-120.	1.4	1
67	Reply to the Comment by E. W. Domack on "Hydrocarbon biomarkers, thermal maturity, and depositional setting of tasmanite oil shales from Tasmania, Australia". <i>Geochimica Et Cosmochimica Acta</i> , 1995, 59, 2397-2399.	3.9	0
68	The Yellow Sea Warm Current flushes the Bohai Sea microbial community in winter. <i>Marine and Freshwater Research</i> , 2020, 71, 1616.	1.3	0