# Andrew T Revill

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/8371588/publications.pdf

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 | Accounting for foliar gradients in Vcmax and Jmax improves estimates of net CO2 exchange of forests. Agricultural and Forest Meteorology, 2022, 314, 108771. | 4.8 | 5 |
| 2 | Seasonal ammonium uptake kinetics of four brown macroalgae: Implications for use in integrated multi-trophic aquaculture. Journal of Applied Phycology, 2022, 34, 1693-1708. | 2.8 | 9 |
| 3 | Light regulates inorganic nitrogen uptake and storage, but not nitrate assimilation, by the red macroalgaHemineura frondosa(Rhodophyta). European Journal of Phycology, 2021, 56, 174-185. | 2.0 | 6 |
| 4 | 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 |
| 5 | Stable mercury concentrations of tropical tuna in the south western Pacific ocean: An 18-year monitoring study. Chemosphere, 2021, 263, 128024. | 8.2 | 19 |
| 6 | Inferring management and predicting sub-field scale C dynamics in UK grasslands using biogeochemical modelling and satellite-derived leaf area data. Agricultural and Forest Meteorology, 2021, 307, 108466. | 4.8 | 8 |
| 7 | Trends in tuna carbon isotopes suggest global changes in pelagic phytoplankton communities. Global Change Biology, 2020, 26, 458-470. | 9.5 | 47 |
| 8 | The effects of wildlife tourism provisioning on non-target species. Biological Conservation, 2020, 241, 108317. | 4.1 | 14 |
| 9 | The Yellow Sea Warm Current flushes the Bohai Sea microbial community in winter. Marine and Freshwater Research, 2020, 71, 1616. | 1.3 | 0 |
| 10 | Functional traits explain trophic allometries of cephalopods. Journal of Animal Ecology, 2020, 89, 2692-2703. | 2.8 | 12 |
| 11 | Australian Strains of Botryococcus braunii Examined for Potential Hydrocarbon and Carotenoid Pigment Production and the Effect of Brackish Water. Energies, 2020, 13, 6644. | 3.1 | 5 |
| 12 | Feeding Whole Thraustochytrid Biomass to Cultured Atlantic Salmon (Salmo salar) Fingerlings: Culture Performance and Fatty Acid Incorporation. Journal of Marine Science and Engineering, 2020, 8, 207. | 2.6 | 12 |
| 13 | Canopy photosynthesis of six major arable crops is enhanced under diffuse light due to canopy architecture. Global Change Biology, 2020, 26, 5164-5177. | 9.5 | 48 |
| 14 | Quantifying Uncertainty and Bridging the Scaling Gap in the Retrieval of Leaf Area Index by Coupling Sentinel-2 and UAV Observations. Remote Sensing, 2020, 12, 1843. | 4.0 | 27 |
| 15 | Adjustments in fatty acid composition is a mechanism that can explain resilience to marine heatwaves and future ocean conditions in the habitatâ€forming seaweed Phyllospora comosa (LabillardiÃ¨re) C.Agardh. Global Change Biology, 2020, 26, 3512-3524. | 9.5 | 38 |
| 16 | Nitrogen sufficiency enhances thermal tolerance in habitat-forming kelp: implications for acclimation under thermal stress. Scientific Reports, 2020, 10, 3186. | 3.3 | 61 |
| 17 | Stress due to low nitrate availability reduces the biochemical acclimation potential of the giant kelp Macrocystis pyrifera to high temperature. Algal Research, 2020, 47, 101895. | 4.6 | 19 |
| 18 | The Value of Sentinel-2 Spectral Bands for the Assessment of Winter Wheat Growth and Development. Remote Sensing, 2019, 11, 2050. | 4.0 | 29 |

| # | Article | IF | Citations |
|---|---|---|---|
| 19 | Responses of seaweeds that use CO2 as their sole inorganic carbon source to ocean acidification: differential effects of fluctuating pH but little benefit of CO2 enrichment. ICES Journal of Marine Science, 2019, 76, 1860-1870. | 2.5 | 26 |
| 20 | Estimating cropland carbon fluxes: A process-based model evaluation at a Swiss crop-rotation site. Field Crops Research, 2019, 234, 95-106. | 5.1 | 7 |
| 21 | Responses of macroalgae to CO<sub>2</sub> enrichment cannot be inferred solely from their inorganic carbon uptake strategy. Ecology and Evolution, 2019, 9, 125-140. | 1.9 | 53 |
| 22 | Photoâ€induced toxicity following exposure to crude oil and ultraviolet radiation in 2 Australian fishes. Environmental Toxicology and Chemistry, 2018, 37, 1359-1366. | 4.3 | 11 |
| 23 | 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 |
| 24 | Naturally occurring hydrocarbon content and baseline condition of deep-sea benthic fauna from the Great Australian Bight. Deep-Sea Research Part II: Topical Studies in Oceanography, 2018, 157-158, 106-120. | 1.4 | 1 |
| 25 | 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 |
| 26 | Monitoring sublethal changes in fish physiology following exposure to a light, unweathered crude oil. Aquatic Toxicology, 2018, 204, 27-45. | 4.0 | 19 |
| 27 | From instantaneous to continuous: Using imaging spectroscopy and in situ data to map two productivity-related ecosystem services. Ecological Indicators, 2017, 82, 409-419. | 6.3 | 11 |
| 28 | Inorganic carbon physiology underpins macroalgal responses to elevated CO2. Scientific Reports, 2017, 7, 46297. | 3.3 | 119 |
| 29 | Growth, ammonium metabolism, and photosynthetic properties of Ulva australis (Chlorophyta) under decreasing pH and ammonium enrichment. PLoS ONE, 2017, 12, e0188389. | 2.5 | 23 |
| 30 | Ocean acidification reverses the positive effects of seawater pH fluctuations on growth and photosynthesis of the habitat-forming kelp, Ecklonia radiata. Scientific Reports, 2016, 6, 26036. | 3.3 | 76 |
| 31 | Impacts of reduced model complexity and driver resolution on cropland ecosystem photosynthesis estimates. Field Crops Research, 2016, 187, 74-86. | 5.1 | 2 |
| 32 | A biochemical approach for identifying plastics exposure in live wildlife. Methods in Ecology and Evolution, 2015, 6, 92-98. | 5.2 | 40 |
| 33 | High prevalence of diffusive uptake of CO2 by macroalgae in a temperate subtidal ecosystem. Photosynthesis Research, 2015, 124, 181-190. | 2.9 | 75 |
| 34 | 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 |
| 35 | Preservation effects on the isotopic and elemental composition of skeletal structures in the deep-sea bamboo coral Lepidisis spp. (Isididae). Deep-Sea Research Part II: Topical Studies in Oceanography, 2014, 99, 199-206. | 1.4 | 20 |
| 36 | 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 |

| # | Article | IF | Citations |
|---|---|---|---|
| 37 | Carbon cycling of European croplands: A framework for the assimilation of optical and microwave Earth observation data. Remote Sensing of Environment, 2013, 137, 84-93. | 11.0 | 30 |
| 38 | 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 |
| 39 | Erosion source discrimination in a rural Australian catchment using compoundâ€specific isotope analysis (CSIA). Hydrological Processes, 2013, 27, 923-932. | 2.6 | 67 |
| 40 | Effect of sewage nutrients on algal production, biomass and pigments in tropical tidal creeks. Marine Pollution Bulletin, 2012, 64, 2671-2680. | 5.0 | 21 |
| 41 | Controls on phytoplankton productivity in a wetâ€“dry tropical estuary. Estuarine, Coastal and Shelf Science, 2012, 113, 141-151. | 2.1 | 61 |
| 42 | Effect of nutrient loading on biogeochemical processes in tropical tidal creeks. Biogeochemistry, 2012, 108, 359-380. | 3.5 | 42 |
| 43 | Effects of estuarine sediment hypoxia on nitrogen fluxes and ammonia oxidizer gene transcription. FEMS Microbiology Ecology, 2011, 75, 111-122. | 2.7 | 49 |
| 44 | River regulation alters drivers of primary productivity along a tropical river-estuary system. Marine and Freshwater Research, 2011, 62, 141. | 1.3 | 35 |
| 45 | Isotope enrichment in mangrove forests separates microphytobenthos and detritus as carbon sources for animals. Limnology and Oceanography, 2010, 55, 393-402. | 3.1 | 50 |
| 46 | Archaeal ammonia oxidizers and nirS-type denitrifiers dominate sediment nitrifying and denitrifying populations in a subtropical macrotidal estuary. ISME Journal, 2010, 4, 286-300. | 9.8 | 170 |
| 47 | Stable isotopic evidence for trophic groupings and bio-regionalization of predators and their prey in oceanic waters off eastern Australia. Marine Biology, 2009, 156, 1241-1253. | 1.5 | 86 |
| 48 | Sources of nutrients driving production in the Gulf of Carpentaria, Australia: a shallow tropical shelf system. Marine and Freshwater Research, 2009, 60, 1044. | 1.3 | 28 |
| 49 | Allochthonous brown algae are the primary food source for consumers in a temperate, coastal environment. Marine Ecology - Progress Series, 2009, 376, 33-44. | 1.9 | 76 |
| 50 | Organic matter sources in an enclosed coastal inlet assessed using lipid biomarkers and stable isotopes. Organic Geochemistry, 2008, 39, 689-710. | 1.8 | 127 |
| 51 | Sources of organic matter in sediments from the Ord River in tropical northern Australia. Organic Geochemistry, 2007, 38, 1039-1060. | 1.8 | 44 |
| 52 | Constraints on transport and weathering of petroleum contamination at Casey Station, Antarctica. Cold Regions Science and Technology, 2007, 48, 154-167. | 3.5 | 18 |
| 53 | Vertical migration of the toxic dinoflagellate Gymnodinium catenatum under different concentrations of nutrients and humic substances in culture. Harmful Algae, 2006, 5, 665-677. | 4.8 | 46 |
| 54 | Measuring carbon isotope ratios of microphytobenthos using compoundâ€specific stable isotope analysis of phytol. Limnology and Oceanography: Methods, 2005, 3, 511-519. | 2.0 | 11 |

| # | Article | IF | Citations |
|---|---|---|---|
| 55 | Investigation of evaporation and biodegradation of fuel spills in Antarctica I. A chemical approach using GCâ€“FID. Chemosphere, 2005, 61, 1485-1494. | 8.2 | 63 |
| 56 | A field trial of in situ chemical oxidation to remediate long-term diesel contaminated Antarctic soil. Cold Regions Science and Technology, 2004, 40, 47-60. | 3.5 | 52 |
| 57 | Carbon and nitrogen cycling on intertidal mudflats of a temperate Australian estuary. II. Nitrogen cycling. Marine Ecology - Progress Series, 2004, 280, 39-54. | 1.9 | 80 |
| 58 | Carbon and nitrogen cycling on intertidal mudflats of a temperate Australian estuary. III. Sources of organic matter. Marine Ecology - Progress Series, 2004, 280, 55-72. | 1.9 | 73 |
| 59 | Effects of temperature on mineralisation of petroleum in contaminated Antarctic terrestrial sediments. Chemosphere, 2003, 52, 975-987. | 8.2 | 56 |
| 60 | The effects of nitrogen and water on mineralisation of hydrocarbons in diesel-contaminated terrestrial Antarctic soils. Cold Regions Science and Technology, 2003, 37, 197-212. | 3.5 | 86 |
| 61 | Euphotic zone variations in bulk and compound-specific Î´13C of suspended organic matter in the Subantarctic Ocean, south of Australia. Journal of Geophysical Research, 2001, 106, 31669-31684. | 3.3 | 18 |
| 62 | Factors influencing the distributions of polyunsaturated terpenoids in the diatom, Rhizosolenia setigera. Phytochemistry, 2001, 58, 717-728. | 2.9 | 54 |
| 63 | The effects of varying CO2 concentration on lipid composition and carbon isotope fractionation in Emiliania huxleyi. Geochimica Et Cosmochimica Acta, 2000, 64, 4179-4192. | 3.9 | 183 |
| 64 | Petroleum hydrocarbons ten years after spillage at a helipad in Bunger Hills, East Antarctica. Antarctic Science, 1999, 11, 427-429. | 0.9 | 45 |
| 65 | Applications of Biomarkers for Identifying Sources of Natural and Pollutant Hydrocarbons in Aquatic Environments. ACS Symposium Series, 1997, , 110-132. | 0.5 | 24 |
| 66 | Reply to the Comment by E. W. Domack on â€œHydrocarbon biomarkers, thermal maturity, and depositional setting of tasmanite oil shales from Tasmania, Australiaâ€• Geochimica Et Cosmochimica Acta, 1995, 59, 2397-2399. | 3.9 | 0 |
| 67 | Hydrocarbon biomarkers, thermal maturity, and depositional setting of tasmanite oil shales from Tasmania, Australia. Geochimica Et Cosmochimica Acta, 1994, 58, 3803-3822. | 3.9 | 111 |
| 68 | 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 |