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Publications List

This document contains a sampling of recent publications that reference LI-COR instrumentation and software. This list is provided for informational purposes only, and LI-COR neither endorses, nor makes any express or implied warranties with respect to any data included in these publications.

- Araújo, P. G., J. M. C. Souza, C. B. Pasqualetti and N. S. Yokoya (2021). "Auxin and cytokinin combinations improve growth rates and protein contents in *Laurencia catarinensis* (Rhodophyta)." *Journal of Applied Phycology* 33(2): 1071-1079.
- Attard, K. M. and R. N. Glud (2020). "Estimating light-use efficiency of benthic habitats using underwater O₂ eddy covariance." *Biogeosciences* 17(16): 4343-4353.
- Attard, K. M., I. F. Rodil, P. Berg, A. O. M. Mogg, M. Westerborn, A. Norkko and R. N. Glud (2020). "Metabolism of a subtidal rocky mussel reef in a high-temperate setting: pathways of organic C flow." *Marine Ecology Progress Series* 645: 41-54.
- Attard, K. M., I. F. Rodil, P. Berg, J. Norkko, A. Norkko and R. N. Glud (2019). "Seasonal metabolism and carbon export potential of a key coastal habitat: The perennial canopy-forming macroalga *Fucus vesiculosus*." *Limnology and Oceanography* 64(1): 149-164.
- Attard, K. M., I. F. Rodil, R. N. Glud, P. Berg, J. Norkko and A. Norkko (2019). "Seasonal ecosystem metabolism across shallow benthic habitats measured by aquatic eddy covariance." *Limnology and oceanography letters* 4(3): 79-86.
- Bainbridge, S. (2019). "Use of Bayesian models to develop coral bleaching indices and forecasts from in-situ observations for the 2015–16 bleaching event." *Journal of Marine Systems* 198: 103187.
- Bélanger, D. and P. Gagnon (2021). "High growth resilience of subarctic rhodoliths (*Lithothamnion glaciale*) to ocean warming and chronic low irradiance." *Marine Ecology Progress Series* 663: 77-97.
- Belevich, T. A., L. V. Ilyash, A. B. Demidov and M. V. Flint (2019). "Picophytoplankton distribution at the Ob River section and in the western part of the Kara Sea." *Oceanology* 59(6): 871-880.
- Belevich, T. A., I. A. Milyutina, A. V. Troitsky and M. V. Flint (2020). "Picophytoplankton in Blagopoluchia Bay (Novaya Zemlya Archipelago) and Adjacent Part of the Kara Sea." *Oceanology* 60(4): 473-482.
- Benelli, S., M. Bartoli, M. Zilius, I. Vybernaite-Lubiene, T. Ruginis, D. Vaiciute, J. Petkuviene and E. A. Fano (2019). "Stoichiometry of regenerated nutrients differs between native and invasive freshwater mussels with implications for algal growth." *Freshwater Biology* 64(4): 619-631.
- Blain, C. O., T. A. V. Rees, S. Christine Hansen and N. T. Shears (2020). "Morphology and photosynthetic response of the kelp *Ecklonia radiata* across a turbidity gradient." *Limnology and Oceanography* 65(3): 529-544.
- Blain, C. O. and N. T. Shears (2019). "Seasonal and spatial variation in photosynthetic response of the kelp *Ecklonia radiata* across a turbidity gradient." *Photosynthesis research* 140(1): 21-38.
- Blain, C. O. and N. T. Shears (2020). "Differential response of forest-forming seaweeds to elevated turbidity may facilitate ecosystem shifts on temperate reefs." *Marine Ecology Progress Series* 641: 63-77.
- Blain, C. O. and N. T. Shears (2020). "Differential response of forest-forming seaweeds to elevated turbidity may facilitate ecosystem shifts on temperate reefs." *Marine Ecology Progress Series* 641: 63-77.
- Blain, C. O. and N. T. Shears (2020). "Nutrient enrichment offsets the effects of low light on growth of the kelp *Ecklonia radiata*." *Limnology and Oceanography* 65(9): 2220-2235.
- Blonquist Jr, J. M. and M. A. Isaac (2018). Underwater accuracy of Apogee quantum sensors, Apogee Instruments Research Report, published online May 2018 ([https://www ...](https://www...)
- Borlongan, I. A., R. Arita, G. N. Nishihara and R. Terada (2020). "The effects of temperature and irradiance on the photosynthesis of two heteromorphic life history stages of *Saccharina japonica* (Laminariales) from Japan." *Journal of Applied Phycology* 32(6): 4175-4187.
- Borlongan, I. A., S. Suzuki, G. N. Nishihara, J. Kozono and R. Terada (2020). "Effects of light quality and temperature on the photosynthesis and pigment content of a subtidal edible red alga *Meristotheca papulosa* (Solieriaceae, Gigartinales) from Japan."

- Journal of Applied Phycology: 1-12.
- Britton, D., M. Schmid, F. Noisette, J. N. Havenhand, E. R. Paine, C. M. McGraw, A. T. Revill, P. Virtue, P. D. Nichols and C. N. Mundy (2020). "Adjustments in fatty acid composition is a mechanism that can explain resilience to marine heatwaves and future ocean conditions in the habitat-forming seaweed *Phyllospora comosa* (Labillardière) C. Agardh." *Global change biology* 26(6): 3512-3524.
- Broman, E., M. Zilius, A. Samuiloviene, I. Vybernaite-Lubiene, T. Politi, I. Klawonn, M. Voss, F. J. A. Nascimento and S. Bonaglia (2021). "Active DNRA and denitrification in oxic hypereutrophic waters." *Water research* 194: 116954.
- Brzozowski, M. I., M. P. Cabanilles, G. Kowalewski and M. Pełlechaty (2019). "Environmental factors responsible for the gyrogonite formation by an endangered macroalga, *Lychnothamnus barbatus*, a fertility indicator of past and present lacustrine ecosystems." *Limnologia* 77: 125686.
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- Buraschi, F. B., F. P. O. Mollard, A. A. Grimoldi and G. G. Striker (2020). "Eco-physiological traits related to recovery from complete submergence in the model legume *Lotus japonicus*." *Plants* 9(4): 538.
- Camilleri, A. C. and T. Ozersky (2019). "Large variation in periphyton $\delta^{13}\text{C}$ and $\delta^{15}\text{N}$ values in the upper Great Lakes: Correlates and implications." *Journal of Great Lakes Research* 45(5): 986-990.
- Camillini, N., K. M. Attard, B. D. Eyre and R. N. Glud (2021). "Resolving community metabolism of eelgrass *Zostera marina* meadows by benthic flume-chambers and eddy covariance in dynamic coastal environments." *Marine Ecology Progress Series* 661: 97-114.
- Camillini, N., K. M. Attard, B. D. Eyre and R. N. Glud (2021). "Resolving community metabolism of eelgrass *Zostera marina* meadows by benthic flume-chambers and eddy covariance in dynamic coastal environments." *Marine Ecology Progress Series* 661: 97-114.
- Camp, E. F., J. Edmondson, A. Doheny, J. Rumney, A. J. Grima, A. Huete and D. J. Suggett (2019). "Mangrove lagoons of the Great Barrier Reef support coral populations persisting under extreme environmental conditions." *Marine Ecology Progress Series* 625: 1-14.
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- Camus, C., J. Infante and A. H. Buschmann (2018). "Overview of 3 year precommercial seafarming of *Macrocystis pyrifera* along the Chilean coast." *Reviews in Aquaculture* 10(3): 543-559.
- Cao, Y., Y. Liu, L. Ndirangu, W. Li, L. Xian and H. S. Jiang (2019). "The analysis of leaf traits of eight *Ottelia* populations and their potential ecosystem functions in Karst freshwaters in China." *Frontiers in plant science* 9: 1938.
- Cao, Y., Y. Zhi, E. Jeppesen and W. Li (2019). "Species-specific responses of submerged macrophytes to simulated extreme precipitation: a mesocosm study." *Water* 11(6): 1160.
- Capuzzo, E., C. P. Lynam, J. Barry, D. Stephens, R. M. Forster, N. Greenwood, A. McQuatters-Gollop, T. Silva, S. M. van Leeuwen and G. H. Engelhard (2018). "A decline in primary production in the North Sea over 25 years, associated with reductions in zooplankton abundance and fish stock recruitment." *Global change biology* 24(1): e352-e364.
- Castro, J. Z. and N. S. Yokoya (2019). "Growth and biochemical responses of tropical and subtropical strains of *Gracilaria domingensis* (Gracilariales, Rhodophyta) to temperature and irradiance variations." *Journal of Applied Phycology* 31(1): 607-613.
- Chandan, P. (2018). Evaluating the Application of Photochemical Mass-Independent Fractionation of Mercury (Hg) in Natural Systems PhD Thesis.
- Chiu, C.-Y., J. R. Jones, J. A. Rusak, H.-C. Lin, K. Nakayama, T. K. Kratz, W.-C. Liu, S.-L. Tang and J.-W. Tsai (2020). "Terrestrial loads of dissolved organic matter drive inter-annual carbon flux in subtropical lakes during times of drought." *Science of the Total Environment* 717: 137052.
- Chow, G. S. E., Y. K. S. Chan, S. S. Jain and D. Huang (2019). "Light limitation selects for depth generalists in urbanised reef coral communities." *Marine environmental research* 147: 101-112.
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- perturbations et des stress multiples sur les communautés benthiques intertidales: rôle des macrophytes PhD Thesis, Université du Québec à Chicoutimi.
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- Cohen, A. P. (2019). Comparative limnology of high-elevation lakes and reservoirs and their downstream effects PhD Thesis, UC Santa Barbara.
- Coppede Cussioli, M. (2018). Ecological effects of turbidity variations in and around dredging areas in the Port of Tauranga PhD Thesis, The University of Waikato.
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- Cummings, K. E., R. R. Ruzicka, K. Semon-Lunz, J. Brenner, K. L. Goodin and K. W. Ames (2018). "Ecological resilience indicators for coral ecosystems." *Ecological Resilience Indicators for Five Northern Gulf of Mexico Ecosystems*, eds KL Goodin, D. Faber-Langendoen, J. Breener, ST Allen, RH Day, VM Congdon, C. Shepard, KE Cummings, CL Stagg, CA Gabler, M. Osland, K. H. Dunton, RR Ruzicka, K. Semon-Lunz, D. Reed, and M. Love (Arlington, VA: NatureServe) 71.
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- Davis, K. L., A. McMahon, R. E. Correa and I. R. Santos (2020). "Calcification and organic productivity at the world's southernmost coral reef." *Marine Chemistry* 227: 103870.
- De Vincenzi, M. and G. Fasano "MONITORING COASTAL AREAS: A BRIEF HISTORY OF MEASURING INSTRUMENTS FOR SOLAR RADIATION."
- Demidov, A. B., V. I. Gagarin, E. G. Arashkevich, P. N. Makkaveev, I. V. Konyukhov, O. V. Vorobieva and A. V. Fedorov (2019). "Spatial variability of primary production and chlorophyll in the Laptev Sea in August–September." *Oceanology* 59(5): 678-691.
- Demidov, A. B., V. I. Gagarin, V. A. Artemiev, E. G. Arashkevich, P. N. Makkaveev, S. A. Shchuka, A. N. Khrapko, A. V. Grigoriev, O. V. Vorobieva and I. V. Konyukhov (2020). "Vertical Variability of Primary Production and Features of the Subsurface Chlorophyll Maximum in the Laptev Sea in August–September, 2015, 2017, and 2018." *Oceanology* 60(2): 189-204.
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- Ennasr, O., C. Holbrook, D. W. Hondorp, C. C. Krueger, D. Coleman, P. Solanki, J. Thon and X. Tan (2020). "Characterization of acoustic detection efficiency using a gliding robotic fish as a mobile receiver platform." *Animal Biotelemetry* 8(1): 1-13.
- Espmark, A. M. O., C. Noble, J. Kolarevic, G. M. Berge, G. H. Aas, S. A. Tuene, M. H. Iversen, H. I. Wergeland, L.-H. Johansen and E. Burgerhout (2019). "Velferd hos rensefisk-operative velferdsindikatorer (OVI)-RENSVEL." *Nofima rapportserie*.

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- Fernández, P. A., J. D. Gaitán-Espitia, P. P. Leal, M. Schmid, A. T. Revill and C. L. Hurd (2020). "Nitrogen sufficiency enhances thermal tolerance in habitat-forming kelp: implications for acclimation under thermal stress." *Scientific reports* 10(1): 1-12.
- Fukumoto, R., I. A. Borlongan, G. N. Nishihara, H. Endo and R. Terada (2018). "Photosynthetic responses to photosynthetically active radiation and temperature including chilling-light stress on the heteromorphic life history stages of a brown alga, *Cladosiphon okamuranus* (Chordariaceae) from Ryukyu Islands, Japan." *Phycological Research* 66(3): 209-217.
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- Guan, J., C. A. Jacoby and T. K. Frazer (2020). "Light attenuation by periphyton on *Vallisneria americana*." *Ecological Indicators* 116: 106498.
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