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Publications list (updated March 2023)

1. Dugenne, M*, **Gradoville, MR***, Armbrust, VA, Barone, B, Bjorkman, K, Cabello, AM, Caffin, M, Church, MJ, Delong, E, Dutkiewicz, S, Dyhrman, S, Follows, M, Harding, K, Harke, MJ, Hawco, NJ, Hynes, A, John, S, Karl, DM, Ribalet, F, Sheyn, U, Stewart, B, Turk-Kubo, KA, White, AE, Wilson, ST, Zehr, JP. Nitrogen fixation in mesoscale eddies of the North Pacific: patterns and mechanisms. *In review, Global Biogeochemical Cycles*.
*contributed equally
2. Turk-Kubo, KA, Henke, B, **Gradoville, MR**, Magesin, J, Church, MJ, Zehr, JP. Temporal and spatial patterns in N₂-fixer community composition at Station ALOHA. *In review, Frontiers in Marine Science*
3. Shek, K, Philpott, SM, **Gradoville, MR**, Gillikin, C, McGuire, KL. Coffee farm management drives shifts in soil enzymatic potential and fungal community composition in Chiapas, Mexico. *In review, Fungal Ecology*
4. Turk-Kubo, KA*, **Gradoville, MR***, Cheung, S, Cornejo-Castillo, FM, Harding, KJ, Morando, M, Mills, M, Zehr, JP. Non-cyanobacterial diazotrophs: Global diversity, distribution, ecophysiology, and activity in marine waters. *In press, FEMS Microbiology Reviews*
*contributed equally
5. **Gradoville, MR**, Dugenne, M, Zehr, JP, White, AE. Strong empirical relationship between *nifH* gene abundance and diazotroph cell concentration in the North Pacific Subtropical Gyre. *Journal of Phycology* 58: 829-833.
6. **Gradoville, MR** & Deemer, B, van Dorst, Renee. Peer review by and for non-native English speakers: building a skilled reviewer pool across international limnology societies. *Limnology and Oceanography Bulletin* 31: 127-128.
7. **Gradoville, MR** & Deemer, B. 2022. Early career researchers have questions about peer review—We asked the ASLO editors for answers. *Limnology and Oceanography Letters* 7: 185-188.
8. Meiler, S, Britten, GL, Dutkiewicz, S, Jahn, O, **Gradoville, MR**, Moisander, PH, Follows, MJ. 2022. Constraining uncertainties of diazotroph biogeography from *nifH* gene abundance. *Limnology and Oceanography* doi: 10.1002/lno.12036
9. **Gradoville, MR**, Cabello, AM, Wilson, ST, Turk-Kubo, KA, Karl, DM, Zehr, JP. 2021. Light and depth dependency of nitrogen fixation by the non-photosynthetic, symbiotic cyanobacterium UCYN-A. *Environmental Microbiology* 23: 4518-4531.
10. **Gradoville, MR**, Farnelid, H, White, AE, Turk-Kubo, KA, Stewart, B, Ribalet, F, Ferrón, S, Pinedo-Gonzalez, P, Armbrust, EV, Karl, DM, John, S, Zehr, JP. 2020. Latitudinal constraints

on the abundance and activity of the cyanobacterium UCYN-A and other marine diazotrophs in the North Pacific. *Limnology and Oceanography* 65: 1858-1875.

11. White, AE, Granger, J, Selden, C, **Gradoville, MR**, Potts, L, Bourbonnais, A, Fulweiler, RW, Knapp, AN, Mohr, W, Moisaner, P, Tobias, CR, Wilson, ST, Benavides, M, Bonnet, S, Mulholland, M, Chang, B. 2020. A review of the $^{15}\text{N}_2$ tracer method to determine diazotrophic production in pelagic ecosystems. *Limnology and Oceanography Methods* 18: 129-147.
12. **Gradoville MR**, Crump, BC, Häse C, White, AE. 2018. Environmental Controls of Oyster-pathogenic *Vibrio* spp. in Oregon Estuaries and a Shellfish Hatchery. *Applied and Environmental Microbiology* 84: e02156-17.
13. **Gradoville, MR**, Crump, BC, Church, MJ, Letelier, RM, White, AE. 2017. Microbiome of *Trichodesmium* colonies from the North Pacific Subtropical Gyre. *Frontiers in Microbiology* 8: 1122. doi: 10.3389/fmicb.2017.01122
14. **Gradoville, MR**, Bombar, D, Crump, BC, Letelier, RM, White, AE. 2017. Diversity and activity of nitrogen-fixing communities across ocean basins. *Limnology and Oceanography* 62: 1895-1909. doi: 10.1002/lno.10542
15. Wood, S, Gilbert, J, Leff, J, Fierer, N, D'Angelo, H, Bateman, C, Gedallovich, S, Gillikin, C, **Gradoville, M**, Mansor, P, Massmann, A, Yang, N, Turner, B, Brearley, R, McGuire, K. 2017. Consequences of tropical forest conversion to oil palm on soil bacterial community and network structure. *Biology and Biochemistry*, 112: 258-268.
16. Wood-Charlson, EM, Bender, SJ, Bruno, BC, Diaz, JM, **Gradoville, MR**, Lory, E, Viviani, DA. 2015. Translating science into stories. *Limnology and Oceanography Bulletin*, 24: 73-76.
17. McGuire, KL, D'Angelo, H, Brearley, FQ, Gedallovich, SM, Babar, N, Yang, N, Gillikin, CM, **Gradoville, MR**, Bateman, C, Turner, BL, Mansor, P, Leff, JW, Fierer, N. 2015. Responses of soil fungi to logging and oil palm agriculture in Southeast Asian tropical forests. *Microbial Ecology* 69: 733-747
18. **Gradoville, MR**, White, AE, Letelier, RM. 2014. Physiological response of *Crocospaera watsonii* to enhanced and fluctuating carbon dioxide conditions. *PLoS ONE* 9: e110660. doi: 10.1371/journal.pone.0110660
19. **Gradoville, MR**, White, AE, Böttjer, D, Church, MJ, Letelier, RM. 2014. Diversity trumps acidification: Lack of evidence for carbon dioxide enhancement of *Trichodesmium* community nitrogen or carbon fixation at Station ALOHA. *Limnology and Oceanography* 59: 645–659. doi: 10.4319/lo.2014.59.3.0645