

Stanford

Michelle Tigchelaar

Research Scientist, Center for Ocean Solutions
Stanford Woods Institute for the Environment

Bio

ACADEMIC APPOINTMENTS

- Basic Life Science Research Associate, Stanford Woods Institute for the Environment

Publications

PUBLICATIONS

- **Harnessing the diversity of small-scale actors is key to the future of aquatic food systems** *NATURE FOOD*
Short, R. E., Gelcich, S., Little, D. C., Micheli, F., Allison, E. H., Basurto, X., Belton, B., Brugere, C., Bush, S. R., Cao, L., Crona, B., Cohen, P. J., Defeo, et al
2021
- **Blue food demand across geographic and temporal scales.** *Nature communications*
Naylor, R. L., Kishore, A., Sumaila, U. R., Issifu, I., Hunter, B. P., Belton, B., Bush, S. R., Cao, L., Gelcich, S., Gephart, J. A., Golden, C. D., Jonell, M., Koehn, et al
2021; 12 (1): 5413
- **Compound climate risks threaten aquatic food system benefits** *NATURE FOOD*
Tigchelaar, M., Cheung, W. L., Mohammed, E., Phillips, M. J., Payne, H. J., Selig, E. R., Wabnitz, C. C., Oyinlola, M. A., Frolicher, T. L., Gephart, J. A., Golden, C. D., Allison, E. H., Bennett, et al
2021
- **Work adaptations insufficient to address growing heat risk for US agricultural workers** *ENVIRONMENTAL RESEARCH LETTERS*
Tigchelaar, M., Battisti, D. S., Spector, J. T.
2020; 15 (9)
- **Satellites for supply-side water balancing** *NATURE FOOD*
Tigchelaar, M.
2020; 1 (2): 104
- **Nonlinear response of the Antarctic Ice Sheet to late Quaternary sea level and climate forcing** *CRYOSPHERE*
Tigchelaar, M., Timmermann, A., Friedrich, T., Heinemann, M., Pollard, D.
2019; 13 (10): 2615–31
- **Increase in crop losses to insect pests in a warming climate** *SCIENCE*
Deutsch, C. A., Tewksbury, J. J., Tigchelaar, M., Battisti, D. S., Merrill, S. C., Huey, R. B., Naylor, R. L.
2018; 361 (6405): 916–19
- **Future warming increases probability of globally synchronized maize production shocks** *PROCEEDINGS OF THE NATIONAL ACADEMY OF SCIENCES OF THE UNITED STATES OF AMERICA*
Tigchelaar, M., Battisti, D. S., Naylor, R. L., Ray, D. K.
2018; 115 (26): 6644–49