

# Stanford

---

## Jean Baptiste Jouffray

Postdoctoral Scholar, Earth System Science

### Bio

---

#### STANFORD ADVISORS

- Jim Leape, Postdoctoral Faculty Sponsor

### Publications

---

#### PUBLICATIONS

- **The Ocean Decade as an instrument of peace** *CURRENT OPINION IN ENVIRONMENTAL SUSTAINABILITY*  
Blasiak, R., Jouffray, J., Norstrom, A., Queiroz, C., Wabnitz, C. C., Osterblom, H.  
2023; 64
- **The living infinite: Envisioning futures for transformed human-nature relationships on the high seas** *MARINE POLICY*  
Pereira, L. M., Crespo, G., Amon, D. J., Badhe, R., Bandeira, S., Bengtsson, F., Boettcher, M., Carminej, G., Cheung, W. L., Chibwe, B., Dunn, D., Gasalla, M. A., Halouani, et al  
2023; 153
- **Making marine biotechnology work for people and nature.** *Nature ecology & evolution*  
Blasiak, R., Jouffray, J., Amon, D. J., Claudet, J., Dunshirn, P., Sogaard Jorgensen, P., Pranindita, A., Wabnitz, C. C., Zhivkopoulos, E., Osterblom, H.  
2023
- **Post-bleaching alterations in coral reef communities** *MARINE POLLUTION BULLETIN*  
Elma, E., Gullstrom, M., Yahya, S. S., Jouffray, J., East, H. K., Nystrom, M.  
2023; 186: 114479
- **A forgotten element of the blue economy: marine biomimetics and inspiration from the deep sea.** *PNAS nexus*  
Blasiak, R., Jouffray, J., Amon, D. J., Moberg, F., Claudet, J., Sogaard Jorgensen, P., Pranindita, A., Wabnitz, C. C., Osterblom, H.  
2022; 1 (4): pgac196
- **Scientific mobilization of keystone actors for biosphere stewardship.** *Scientific reports*  
Osterblom, H., Folke, C., Rocha, J., Bebbington, J., Blasiak, R., Jouffray, J., Selig, E. R., Wabnitz, C. C., Bengtsson, F., Crona, B., Gupta, R., Henriksson, P. J., Johansson, et al  
2022; 12 (1): 3802
- **Unlocking the potential of marine biodiscovery** *NATURAL PRODUCT REPORTS*  
Sigwart, J. D., Blasiak, R., Jaspars, M., Jouffray, J., Tasdemir, D.  
2021; 38 (7): 1235-1242
- **Evolving Perspectives of Stewardship in the Seafood Industry** *FRONTIERS IN MARINE SCIENCE*  
Blasiak, R., Dauriach, A., Jouffray, J., Folke, C., Osterblom, H., Bebbington, J., Bengtsson, F., Causevic, A., Geerts, B., Gronbrekk, W., Henriksson, P. G., Kall, S., Leadbitter, et al  
2021; 8
- **Sharing the seas: a review and analysis of ocean sector interactions** *ENVIRONMENTAL RESEARCH LETTERS*  
Crona, B., Wassénius, E., Lillepold, K., Watson, R. A., Selig, E. R., Hicks, C., Osterblom, H., Folke, C., Jouffray, J., Blasiak, R.  
2021; 16 (6)
- **WTO must ban harmful fisheries subsidies.** *Science (New York, N.Y.)*

- Sumaila, U. R., Skerritt, D. J., Schuhbauer, A., Villasante, S., Cisneros-Montemayor, A. M., Sinan, H., Burnside, D., Abdallah, P. R., Abe, K., Addo, K. A., Adelsheim, J., Adewumi, I. J., Adeyemo, et al  
2021; 374 (6567): 544
- **The Ocean 100: Transnational corporations in the ocean economy** *SCIENCE ADVANCES*  
Virdin, J., Vegh, T., Jouffray, J., Blasiak, R., Mason, S., Osterblom, H., Vermeer, D., Wachtmeister, H., Werner, N.  
2021; 7 (3)
  - **Corporations and plastic pollution: Trends in reporting** *SUSTAINABLE FUTURES*  
Blasiak, R., Leander, E., Jouffray, J., Virdin, J.  
2021; 3
  - **Local Human Impacts Disrupt Relationships Between Benthic Reef Assemblages and Environmental Predictors** *FRONTIERS IN MARINE SCIENCE*  
Ford, A. K., Jouffray, J., Norstrom, A., Moore, B. R., Nugues, M. M., Williams, G. J., Bejarano, S., Magron, F., Wild, C., Ferse, S. A.  
2020; 7
  - **Science-Industry Collaboration: Sideways or Highways to Ocean Sustainability?** *ONE EARTH*  
Osterblom, H., Cvitanovic, C., van Putten, I., Addison, P., Blasiak, R., Jouffray, J., Bebbington, J., Hall, J., Ison, S., LeBris, A., Mynott, S., Reid, D., Sugimoto, et al  
2020; 3 (1): 79-88
  - **The Blue Acceleration: The Trajectory of Human Expansion into the Ocean** *ONE EARTH*  
Jouffray, J., Blasiak, R., Norstrom, A., Osterblom, H., Nystrom, M.  
2020; 2 (1): 43-54
  - **Principles for knowledge co-production in sustainability research** *NATURE SUSTAINABILITY*  
Norstrom, A., Cvitanovic, C., Lof, M. F., West, S., Wyborn, C., Balvanera, P., Bednarek, A. T., Bennett, E. M., Biggs, R., de Bremond, A., Campbell, B. M., Canadell, J. G., Carpenter, et al  
2020; 3 (3): 182-190
  - **An invitation for more research on transnational corporations and the biosphere.** *Nature ecology & evolution*  
Folke, C. n., Österblom, H. n., Jouffray, J. B., Lambin, E. F., Adger, W. N., Scheffer, M. n., Crona, B. I., Nyström, M. n., Levin, S. A., Carpenter, S. R., Anderies, J. M., Chapin, S. n., Crépin, et al  
2020
  - **Accounting and accountability in the Anthropocene** *ACCOUNTING AUDITING & ACCOUNTABILITY JOURNAL*  
Bebbington, J., Osterblom, H., Crona, B., Jouffray, J., Larrinaga, C., Russell, S., Scholtens, B.  
2019; 33 (1): 152-177
  - **Anatomy and resilience of the global production ecosystem** *NATURE*  
Nystrom, M., Jouffray, J., Norstrom, A. V., Crona, B., Jorgensen, P., Carpenter, S. R., Bodin, O., Galaz, V., Folke, C.  
2019; 575 (7781): 98-108
  - **Leverage points in the financial sector for seafood sustainability** *SCIENCE ADVANCES*  
Jouffray, J., Crona, B., Wassénius, E., Bebbington, J., Scholtens, B.  
2019; 5 (10): eaax3324
  - **Transnational corporations and the challenge of biosphere stewardship.** *Nature ecology & evolution*  
Folke, C., Osterblom, H., Jouffray, J., Lambin, E. F., Adger, W. N., Scheffer, M., Crona, B. I., Nystrom, M., Levin, S. A., Carpenter, S. R., Anderies, J. M., Chapin, S. 3., Crepin, et al  
2019
  - **Coral reef ecology in the Anthropocene** *FUNCTIONAL ECOLOGY*  
Williams, G. J., Graham, N. J., Jouffray, J., Norstrom, A. V., Nystrom, M., Gove, J. M., Heenan, A., Wedding, L. M.  
2019; 33 (6): 1014–22
  - **Scientists Should Disclose Origin in Marine Gene Patents** *TRENDS IN ECOLOGY & EVOLUTION*  
Blasiak, R., Jouffray, J., Wabnitz, C. C., Osterblom, H.  
2019; 34 (5): 392-395
  - **Scale-dependent spatial patterns in benthic communities around a tropical island seascapes** *ECOGRAPHY*

- Aston, E. A., Williams, G. J., Green, J., Davies, A. J., Wedding, L. M., Gove, J. M., Jouffray, J., Jones, T. T., Clark, J. 2019; 42 (3): 578–90
- **Parsing human and biophysical drivers of coral reef regimes.** *Proceedings. Biological sciences*  
Jouffray, J., Wedding, L. M., Norstrom, A. V., Donovan, M. K., Williams, G. J., Crowder, L. B., Erickson, A. L., Friedlander, A. M., Graham, N. A., Gove, J. M., Kappel, C. V., Kittinger, J. N., Lecky, et al  
2019; 286 (1896): 20182544
  - **Combining fish and benthic communities into multiple regimes reveals complex reef dynamics.** *Scientific reports*  
Donovan, M. K., Friedlander, A. M., Lecky, J., Jouffray, J., Williams, G. J., Wedding, L. M., Crowder, L. B., Erickson, A. L., Graham, N. A., Gove, J. M., Kappel, C. V., Karr, K., Kittinger, et al  
2018; 8 (1): 16943
  - **Tax havens and global environmental degradation** *NATURE ECOLOGY & EVOLUTION*  
Galaz, V., Crona, B., Dauriach, A., Jouffray, J., Osterblom, H., Fichtner, J.  
2018; 2 (9): 1352-1357
  - **Corporate control and global governance of marine genetic resources** *SCIENCE ADVANCES*  
Blasiak, R., Jouffray, J., Wabnitz, C. C., Sundstrom, E., Osterblom, H.  
2018; 4 (6): eaar5237
  - **Advancing the integration of spatial data to map human and natural drivers on coral reefs** *PLOS ONE*  
Wedding, L. M., Lecky, J., Gove, J. M., Walecka, H. R., Donovan, M. K., Williams, G. J., Jouffray, J., Crowder, L. B., Erickson, A., Falinski, K., Friedlander, A. M., Kappel, C. V., Kittinger, et al  
2018; 13 (3): e0189792
  - **Emergence of a global science-business initiative for ocean stewardship** *PROCEEDINGS OF THE NATIONAL ACADEMY OF SCIENCES OF THE UNITED STATES OF AMERICA*  
Osterblom, H., Jouffray, J., Folke, C., Rockstrom, J.  
2017; 114 (34): 9038-9043
  - **The shape of success in a turbulent world: wave exposure filtering of coral reef herbivory** *FUNCTIONAL ECOLOGY*  
Bejarano, S., Jouffray, J., Chollett, I., Allen, R., Roff, G., Marshell, A., Steneck, R., Ferse, S. A., Mumby, P. J.  
2017; 31 (6): 1312-1324
  - **Guiding coral reef futures in the Anthropocene** *FRONTIERS IN ECOLOGY AND THE ENVIRONMENT*  
Norstrom, A. V., Nystrom, M., Jouffray, J., Folke, C., Graham, N. J., Moberg, F., Olsson, P., Williams, G. J.  
2016; 14 (9): 490-498
  - **Where and how to prioritize fishery reform?** *PROCEEDINGS OF THE NATIONAL ACADEMY OF SCIENCES OF THE UNITED STATES OF AMERICA*  
Osterblom, H., Jouffray, J., Spijkers, J.  
2016; 113 (25): E3473-E3474
  - **Transnational Corporations as 'Keystone Actors' in Marine Ecosystems** *PLOS ONE*  
Osterblom, H., Jouffray, J., Folke, C., Crona, B., Troell, M., Merrie, A., Rockstrom, J.  
2015; 10 (5): e0127533
  - **Identifying multiple coral reef regimes and their drivers across the Hawaiian archipelago** *PHILOSOPHICAL TRANSACTIONS OF THE ROYAL SOCIETY B-BIOLOGICAL SCIENCES*  
Jouffray, J., Nystrom, M., Norstrom, A. V., Williams, I. D., Wedding, L. M., Kittinger, J. N., Williams, G. J.  
2015; 370 (1659)