Stanford



Larry Crowder

Edward Ricketts Provostial Professor, Professor of Oceans, Senior Fellow at the Woods Institute for the Environment and Professor, by courtesy, of Environmental Social Sciences

Curriculum Vitae available Online

Bio

BIO

Larry Crowder is the Edward F. Ricketts Provostial Professor of Marine Ecology and Conservation at Hopkins Marine Station, Stanford Doerr School of Sustainability and a senior fellow at the Stanford Woods Institute for the Environment. He is also Affliated Faculty at Stanford Center for Ocean Solutions and Professor by Courtesy, Department of Biology. Previously, he was the Stephen Toth Professor of Marine Biology at Duke University. Dr. Crowder's research centers on predation and food web interactions, mechanisms underlying recruitment variation in fishes, population and food web modeling in conservation biology, and interdisciplinary approaches to marine conservation. He has studied food web processes in both freshwater and marine ecosystems, and has used observational, experimental, and modeling approaches to understand these interactions in an effort to improve management. He was principal investigator for a number of large interdisciplinary research projects including the South Atlantic Bight Recruitment Experiment (SABRE), OBIS SEAMAP (Spatial Ecological Analysis of Megavertebrate Animal Populations), and Project GLOBAL (Global Bycatch Assessment of Long-Lived Species). Current Interdisciplinary Projects include Dynamic Ocean Management in Costa Rica (DYNAMAR), Sea Turtle Research Experiment on the Thermal Corridor Hypothesis (STRETCH) and Traits-based tools to inform cross-jurisdictional fisheries management under climate change. He has also directed and participated in a number of research, analysis, and synthesis groups at the National Center for Ecological Analysis and Synthesis (NCEAS) and for the National Research Council’s Ocean Studies Board. His recent research has focused on marine conservation, including research on bycatch, spatial ecological analysis, nutrients and low oxygen, sustainable seafood, ecosystem-based management, marine spatial planning, and governance. He is a AAAS Fellow and was awarded Duke University’s Scholar/Teacher of the year award in 2008-2009. Larry was recently named National Geographic Explorer and received a lifetime achievement award from the International Sea Turtle Society.
Specialties: Bycatch, Coastal and Nearshore Environment, Dead Zones and Hypoxia, Dynamics Ocean Management, Ecosystem Health, Estuaries, Fisheries, Governance, Land-Sea Interactions, Ocean Pelagic Organisms, Ocean Conservation, Oil Spills, Small-Scale Fisheries, Social-Ecological Systems

ACADEMIC APPOINTMENTS

- Professor, Oceans
- Senior Fellow, Stanford Woods Institute for the Environment
- Professor, Biology
- Professor (By courtesy), Environmental Social Sciences
- Member, Bio-X
- Senior Fellow, Stanford Woods Institute for the Environment

ADMINISTRATIVE APPOINTMENTS

- Science Director, Center for Ocean Solutions, (2011-2017)

HONORS AND AWARDS

- National Geographic Explorer, National Geographic (2022)
- Lifetime Achievement Award, International Sea Turtle Society (2020)

LINKS

- My Lab: http://crowderlab.stanford.edu/

Research & Scholarship

CURRENT RESEARCH AND SCHOLARLY INTERESTS

Ecology, conservation, fisheries, protected species, ecosystem-based management

Teaching

COURSES

2026-27

- Marine Conservation Biology: OCEANS 173H, OCEANS 273H (Spr)
- Ocean Conservation: Pathways to Solutions: OCEANS 6N (Win)

2025-26

- Marine Conservation Biology: BIO 173H, BIO 273H, OCEANS 173H (Spr)
- Ocean Conservation: Pathways to Solutions: OCEANS 6N (Win)

2024-25

- Marine Conservation Biology: BIO 173H, BIO 273H, OCEANS 173H, OCEANS 273H (Spr)
- Marine Conservation Biology - Seminar Only: OCEANS 173HA, OCEANS 273HA (Spr)
- Ocean Conservation: Pathways to Solutions: OCEANS 6N (Win)
- Quals Prep Workshop: OCEANS 304 (Win)
- The Social Ocean: Human Dimensions of Coastal and Marine Ecosystems: ENVRES 220 (Win)

2023-24

- Marine Conservation Biology: BIO 173H, BIO 273H, OCEANS 173H, OCEANS 273H (Spr)
- Marine Conservation Biology - Seminar and Discussion Only: OCEANS 173HA, OCEANS 273HA (Spr)
- Ocean Conservation: Pathways to Solutions: OCEANS 6N (Win)
- Research Approaches for Environmental Problem Solving: ENVRES 330 (Spr)
- Science for Conservation Policy: Meeting California's Pledge to Protect 30% by 2030: BIO 101 (Win)

STANFORD ADVISEES

Doctoral Dissertation Reader (AC)

Ceyenna Tillman

Doctoral Dissertation Advisor (AC)

Daviana Berkowitz-Sklar, Stephanie Caddell

Doctoral Dissertation Co-Advisor (AC)

Safari Fang, Catherine Lee Hing, Marina Luccioni, Jillian Lyles, Maggie Poulos

GRADUATE AND FELLOWSHIP PROGRAM AFFILIATIONS

- Biology (School of Humanities and Sciences) (PhD Program)

Publications

PUBLICATIONS

- **Evidence-based approaches to marine conservation are long overdue.** *Proceedings of the National Academy of Sciences of the United States of America*
  Crowder, L. B.
  2026; 123 (39): e2629161123

- **From shorelines to social media: Mixed-methods insights into urban fishing practices, policy gaps and culture in the digital age** *MARINE POLICY*
  Frawley, T. H., Krauss, M. J., Kruesopon, P., Meykadeh, R., Trivino, T. A., Gee, E., Selgrath, J. C., Crowder, L. B., Seary, R.
  2027; 195

- **Fishers' Knowledge Reveals Spatio-Temporal Dynamics of Billfish Sport and Tourist Fisheries on the Pacific Coast of Costa Rica** *REVISTA DE BIOLOGIA TROPICAL*
  Berkowitz-Sklar, D., Sandoval, H., Bates, D., Blondin, H., Capistran, M., Schmitz, O., Crowder, L. B.
  2026; 74

- **Racial and economic disparities in coastal access and engagement mediate the ocean's contribution to human wellbeing.** *Nature communications*
  Frawley, T. H., Selgrath, J. C., Gee, E. K., Triviño, T. A., Díaz, M., Lyles, J. M., Seary, R., Crowder, L. B., Garza, C., Hazen, E. L., Romero, T., Seto, K. L.
  2026; 17 (1)

- **Effects of Body Size and Environmental Region on the Nutritional Value of Small Pelagic Species in the California Current** *FISHERIES OCEANOGRAPHY*
  Krug-MacLeod, A. M., Gleiber, M. R., Portner, E. J., Choy, C., Daly, E. A., Hardy, N. A., Crowder, L. B., Green, S. J.
  2026

- **Promise or peril in a warming ocean? An emergent pathway leads North Pacific loggerhead sea turtles into the northern California Current System** *FRONTIERS IN MARINE SCIENCE*
  Briscoe, D. K., Crowder, L. B., Balazs, G. H., Seminoff, J. A., Abreu-Grobois, F., Gaspar, P., Lee Hing, C. A., Jim, L., Kurita, M., Mori, M., Parker, D. M., Rice, M. R., Saito, et al
  2026; 13

- **Herbivores in hot water: thermal limits and avoidance of marine heatwave conditions by Acanthurus triostegus** *CORAL REEFS*
  Souza, T., Capistran, M., Crowder, L., Johansen, J. L.
  2026

- **Safe food: A human right amid climate change.** *Science (New York, N.Y.)*
  Knight, C. J., Burnham, T. L., Crowder, L. B., Eurich, J. G., Franz, N., Golden, C. D., Micheli, F.
  2025; 389 (6765): 1099

- **Human-wildlife coexistence through the lens of fishermen's knowledge and lived experience** *NPJ OCEAN SUSTAINABILITY*
  Glickman, M., Early Capistran, M., Ogg, D., Crowder, L. B.
  2025; 4 (1)

- **Coastal business perception of coral value and payment for coral restoration.** *Scientific reports*
  Carlson, R. R., Klitzke, J., Daily, G. C., Crowder, L. B., Reguero, B. G., Asner, G. P.
  2025; 15 (1): 9285

- **Multi-decade northward shift of loggerhead sea turtle pelagic habitat as the eastern North Pacific Transition Zone becomes more oligotrophic** *FRONTIERS IN MARINE SCIENCE*

Briscoe, D. K., Crowder, L. B., Balazs, G. H., Seminoff, J. A., Abreu, A., Hing, C., Kurita, M., Mori, M., Parker, D. M., Rice, M. R., Saito, T., Santos, B. S., Tomaszewicz, et al
2025; 11

- **Herbivore functions in the hot-seat: Resilience of Acanthurus triostegus to marine heatwaves.** *PloS one*
  Souza, T., Brijs, J., Tran, L., Crowder, L., Johansen, J. L.
  2025; 20 (1): e0318410

- **A framework for just seascape restoration** *npj Ocean Sustainability*
  Katrina, A. C., Rakowsky, J. A., Ferguson Irlanda, C. E., Kilcullen, F., Nestor, V., Crowder, L. B., Ramos, J.
  2025

- **Ethnobiological methods enhance our capacity to document potential climate sentinels: a loggerhead sea turtle (Caretta caretta) case study** *FRONTIERS IN MARINE SCIENCE*
  Early-Capistran, M., Crane, N. L., Crowder, L. B., Garibay-Melo, G., Seminoff, J. A., Johnston, D.
  2024; 11

- **Taking climate-smart governance to the high seas.** *Science (New York, N.Y.)*
  Santos, C. F., Agardy, T., Brooks, C., Gjerde, K. M., Payne, C., Wedding, L. M., Xavier, J. C., Crowder, L. B.
  2024; 384 (6697): 734-737

- **Beyond boundaries: governance considerations for climate-driven habitat shifts of highly migratory marine species across jurisdictions** *NPJ OCEAN SUSTAINABILITY*
  Santos, B. S., Hazen, E. L., Welch, H., Lezama-Ochoa, N., Block, B. A., Costa, D. P., Shaffer, S. A., Crowder, L. B.
  2024; 3 (1)

- **Trait-based indicators of resource selection by albacore tuna in the California Current Large Marine Ecosystem** *ECOLOGICAL INDICATORS*
  Gleiber, M. R., Hardy, N. A., Morganson, C. J., Nickels, C. F., Muhling, B. A., Portner, E. J., Wells, B. K., Brodeur, R. D., Auth, T. D., Santora, J. A., Glaser, S. M., Madigan, D. J., Hazen, et al
  2024; 158

- **The effect of reef morphology on coral recruitment at multiple spatial scales.** *Proceedings of the National Academy of Sciences of the United States of America*
  Carlson, R. R., Crowder, L. B., Martin, R. E., Asner, G. P.
  2024; 121 (4): e2311661121

- **Trait-based analyses reveal global patterns in diverse diets of albacore tuna (Thunnus alalunga)** *FISH AND FISHERIES*
  Hardy, N. A., Matuch, C., Roote, Z., George, I., Muhling, B. A., Jacox, M. G., Hazen, E. L., Bograd, S. J., Crowder, L. B., Green, S. J.
  2023

- **Exploring climate-induced sex-based differences in aquatic and terrestrial ecosystems to mitigate biodiversity loss.** *Nature communications*
  Gissi, E., Schiebinger, L., Hadly, E. A., Crowder, L. B., Santoleri, R., Micheli, F.
  2023; 14 (1): 4787

- **Projecting climate change impacts from physics to fisheries: A view from three California Current fisheries** *PROGRESS IN OCEANOGRAPHY*
  Smith, J. A., Buil, M., Muhling, B., Tommasi, D., Brodie, S., Frawley, T. H., Fiechter, J., Koenigstein, S., Himes-Cornell, A., Alexander, M. A., Bograd, S. J., Quiros, N., Crowder, et al
  2023; 211

- **Priorities for synthesis research in ecology and environmental science** *ECOSPHERE*
  Halpern, B. S., Boettiger, C., Dietze, M. C., Gephart, J. A., Gonzalez, P., Grimm, N. B., Groffman, P. M., Gurevitch, J., Hobbie, S. E., Komatsu, K. J., Kroeker, K. J., Lahr, H. J., Lodge, et al
  2023; 14 (1)

- **The influence of social cues on timing of animal migrations.** *Nature ecology & evolution*
  Oestreich, W. K., Aiu, K. M., Crowder, L. B., McKenna, M. F., Berdahl, A. M., Abrahms, B.
  2022

- **Land-dependent marine species face climate-driven impacts on land and at sea** *MARINE ECOLOGY PROGRESS SERIES*

Blondin, H. E., Armstrong, K. C., Hazen, E. L., Oestreich, W. K., Santos, B. S., Haulsee, D. E., Mikles, C. S., Knight, C. J., Bennett, A. E., Crowder, L. B.
2022; 699: 181-198

- **One ocean** *CONSERVATION SCIENCE AND PRACTICE*
  Crowder, L. B.
  2022; 4 (5)
- **Acoustic signature reveals blue whales tune life-history transitions to oceanographic conditions** *FUNCTIONAL ECOLOGY*
  Oestreich, W. K., Abrahms, B., McKenna, M. F., Goldbogen, J. A., Crowder, L. B., Ryan, J. P.
  2022
- **Trait-based approaches to global change ecology: moving from description to prediction.** *Proceedings. Biological sciences*
  Green, S. J., Brookson, C. B., Hardy, N. A., Crowder, L. B.
  2022; 289 (1971): 20220071
- **Where do the billfish go? Using recreational catch data to relate local and basin scale environmental conditions to billfish occurrence in the Eastern Tropical Pacific** *FISHERIES OCEANOGRAPHY*
  Haulsee, D. E., Blondin, H. E., Logan, R. K., Crowder, L. B.
  2021
- **Major challenges in developing marine spatial planning** *MARINE POLICY*
  Santos, C., Agardy, T., Andrade, F., Crowder, L. B., Ehler, C. N., Orbach, M. K.
  2021; 132
- **Fishers as foragers: Individual variation among small-scale fishing vessels as revealed by novel tracking technology** *FISHERIES RESEARCH*
  Frawley, T. H., Blondin, H. E., White, T. D., Carlson, R. R., Villalon, B., Crowder, L. B.
  2021; 238
- **Social relationship dynamics mediate climate impacts on income inequality: evidence from the Mexican Humboldt squid fishery** *REGIONAL ENVIRONMENTAL CHANGE*
  Elsler, L. G., Frawley, T., Britten, G. L., Crowder, L. B., DuBois, T. C., Radosavljevic, S., Gilly, W. F., Crepin, A., Schluter, M.
  2021; 21 (2)
- **Dynamic Thermal Corridor May Connect Endangered Loggerhead Sea Turtles Across the Pacific Ocean** *FRONTIERS IN MARINE SCIENCE*
  Briscoe, D. K., Tomaszewicz, C., Seminoff, J. A., Parker, D. M., Balazs, G. H., Polovina, J. J., Kurita, M., Okamoto, H., Saito, T., Rice, M. R., Crowder, L. B.
  2021; 8
- **Social relationship dynamics mediate climate impacts on income inequality: evidence from the Mexican Humboldt squid fishery.** *Regional environmental change*
  Elsler, L. G., Frawley, T. H., Britten, G. L., Crowder, L. B., DuBois, T. C., Radosavljevic, S., Gilly, W. F., Crépin, A. S., Schlüter, M.
  2021; 21 (2): 35
- **How adaptive capacity shapes the Adapt, React, Cope response to climate impacts: insights from small-scale fisheries** *CLIMATIC CHANGE*
  Green, K. M., Selgrath, J. C., Frawley, T. H., Oestreich, W. K., Mansfield, E. J., Urteaga, J., Swanson, S. S., Santana, F. N., Green, S. J., Naggea, J., Crowder, L. B.
  2021; 164 (1-2)
- **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
- **Online News Media Coverage of Sea Turtles and Their Conservation** *BioScience*
  Santos, B. S., Crowder, L. B.
  2021; 71 (3): 305-313
- **Combining high temporal resolution whale distribution and vessel tracking data improves estimates of ship strike risk** *BIOLOGICAL CONSERVATION*

Blondin, H., Abrahms, B., Crowder, L. B., Hazen, E. L.
2020; 250

- **Organizational perspectives on sustainable ocean governance: A multi-stakeholder, meta-organization model of collective action** *MARINE POLICY*
  Berkowitz, H., Crowder, L. B., Brooks, C. M.
  2020; 118
- **A comparative analysis of dynamic management in marine and terrestrial systems** *FRONTIERS IN ECOLOGY AND THE ENVIRONMENT*
  Oestreich, W. K., Chapman, M. S., Crowder, L. B.
  2020
- **Integrating climate change in ocean planning** *NATURE SUSTAINABILITY*
  Frazao Santos, C., Agardy, T., Andrade, F., Calado, H., Crowder, L. B., Ehler, C. N., Garcia-Morales, S., Gissi, E., Halpern, B. S., Orbach, M. K., Poertner, H., Rosa, R.
  2020
- **Shark fin trade bans and sustainable shark fisheries** *CONSERVATION LETTERS*
  Ferretti, F., Jacoby, D. M. P., Pfleger, M. O., White, T. D., Dent, F., Micheli, F., Rosenberg, A. A., Crowder, L. B., Block, B. A.
  2020
- **Mobile protected areas for biodiversity on the high seas.** *Science (New York, N.Y.)*
  Maxwell, S. M., Gjerde, K. M., Conners, M. G., Crowder, L. B.
  2020; 367 (6475): 252–54
- **COVID-19 reveals vulnerability of small-scale fisheries to global market systems.** *The Lancet. Planetary health*
  Knight, C. J., Burnham, T. L., Mansfield, E. J., Crowder, L. B., Micheli, F. n.
  2020; 4 (6): e219
- **Fishers' solutions for hammerhead shark conservation in Peru** *BIOLOGICAL CONSERVATION*
  Mason, J. G., Alfaro-Shigueto, J., Mangel, J. C., Crowder, L. B., Ardoin, N. M.
  2020; 243 (108460)
- **Impacts of a shift to a warm-water regime in the Gulf of California on jumbo squid (Dosidicus gigas)** *ICES JOURNAL OF MARINE SCIENCE*
  Frawley, T. H., Briscoe, D. K., Daniel, P. C., Britten, G. L., Crowder, L. B., Robinson, C. J., Gilly, W. F.
  2019; 76 (7): 2413–26
- **Reaching consensus for conserving the global commons: The case of the Ross Sea, Antarctica** *CONSERVATION LETTERS*
  Brooks, C. M., Crowder, L. B., Osterblom, H., Strong, A. L.
  2019
- **A dynamic ocean management tool to reduce bycatch and support sustainable fisheries** *SCIENCE ADVANCES*
  Hazen, E. L., Scales, K. L., Maxwell, S. M., Briscoe, D. K., Welch, H., Bograd, S. J., Bailey, H., Benson, S. R., Eguchi, T., Dewar, H., Kohin, S., Costa, D. P., Crowder, et al
  2018; 4 (5): eaar3001
- **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
- **Reconstructing overfishing: Moving beyond Malthus for effective and equitable solutions** *FISH AND FISHERIES*
  Finkbeiner, E. M., Bennett, N. J., Frawley, T. H., Mason, J. G., Briscoe, D. K., Brooks, C. M., Ng, C. A., Ourens, R., Seto, K., Swanson, S., Urteaga, J., Crowder, L. B.
  2017; 18 (6): 1180–91
- **Committing to socially responsible seafood.** *Science (New York, N.Y.)*
  Kittinger, J. N., Teh, L. C., Allison, E. H., Bennett, N. J., Crowder, L. B., Finkbeiner, E. M., Hicks, C., Scarton, C. G., Nakamura, K., Ota, Y., Young, J., Alifano, A., Apel, et al
  2017; 356 (6341): 912-913

- **Science-based management in decline in the Southern Ocean.** *Science*
  Brooks, C. M., Crowder, L. B., Curran, L. M., Dunbar, R. B., Ainley, D. G., Dodds, K. J., Gjerde, K. M., Sumaila, U. R.
  2016; 354 (6309): 185-187

- **Bright spots among the world's coral reefs** *NATURE*
  Cinner, J. E., Huchery, C., MacNeil, M. A., Graham, N. A., McClanahan, T. R., Maina, J., Maire, E., Kittinger, J. N., Hicks, C. C., Mora, C., Allison, E. H., D'Agata, S., Hoey, et al
  2016; 535 (7612): 416-?

- **Active dispersal in loggerhead sea turtles (Caretta caretta) during the 'lost years'** *PROCEEDINGS OF THE ROYAL SOCIETY B-BIOLOGICAL SCIENCES*
  Briscoe, D. K., Parker, D. M., Balazs, G. H., Kurita, M., Saito, T., Okamoto, H., Rice, M., Polovina, J. J., Crowder, L. B.
  2016; 283 (1832)

- **Social drivers forewarn of marine regime shifts** *FRONTIERS IN ECOLOGY AND THE ENVIRONMENT*
  Hicks, C. C., Crowder, L. B., Graham, N. A., Kittinger, J. N., Le Cornu, E.
  2016; 14 (5): 253-261

- **Dynamic ocean management: Defining and conceptualizing real-time management of the ocean** *MARINE POLICY*
  Maxwell, S. M., Hazen, E. L., Lewison, R. L., Dunn, D. C., Bailey, H., Bograd, S. J., Briscoe, D. K., Fossette, S., Hobday, A. J., Bennett, M., Benson, S., Caldwell, M. R., Costa, et al
  2015; 58: 42-50

- **OCEANS. Managing mining of the deep seabed.** *Science*
  Wedding, L. M., Reiter, S. M., Smith, C. R., Gjerde, K. M., Kittinger, J. N., Friedlander, A. M., Gaines, S. D., CLARK, M. R., Thurnherr, A. M., Hardy, S. M., Crowder, L. B.
  2015; 349 (6244): 144-145

- **Dynamic Ocean Management: Identifying the Critical Ingredients of Dynamic Approaches to Ocean Resource Management** *BIOSCIENCE*
  Lewison, R., Hobday, A. J., Maxwell, S., Hazen, E., Hartog, J. R., Dunn, D. C., Briscoe, D., Fossette, S., O'Keefe, C. E., Barnes, M., Abecassis, M., Bograd, S., Bethoney, et al
  2015; 65 (5): 486-498

- **Thresholds in Caribbean coral reefs: implications for ecosystem-based fishery management** *JOURNAL OF APPLIED ECOLOGY*
  Karr, K. A., Fujita, R., Halpern, B. S., Kappel, C. V., Crowder, L., Selkoe, K. A., Alcolado, P. M., Rader, D.
  2015; 52 (2): 402-412

- **A practical approach for putting people in ecosystem-based ocean planning** *FRONTIERS IN ECOLOGY AND THE ENVIRONMENT*
  Kittinger, J. N., Koehn, J. Z., Le Cornu, E., Ban, N. C., Gopnik, M., Armsby, M., Brooks, C., Carr, M. H., Cinner, J. E., Cravens, A., D'Iorio, M., Erickson, A., Finkbeiner, et al
  2014; 12 (8): 448-456

- **Environmental monitoring. Harnessing DNA to improve environmental management.** *Science*
  Kelly, R. P., Port, J. A., Yamahara, K. M., Martone, R. G., Lowell, N., Thomsen, P. F., Mach, M. E., Bennett, M., Prahler, E., Caldwell, M. R., Crowder, L. B.
  2014; 344 (6191): 1455-1456

- **Global patterns of marine mammal, seabird, and sea turtle bycatch reveal taxa-specific and cumulative megafauna hotspots** *PROCEEDINGS OF THE NATIONAL ACADEMY OF SCIENCES OF THE UNITED STATES OF AMERICA*
  Lewison, R. L., Crowder, L. B., Wallace, B. P., Moore, J. E., Cox, T., Zydelis, R., McDonald, S., Dimatteo, A., Dunn, D. C., Kot, C. Y., Bjorkland, R., Kelez, S., Soykan, et al
  2014; 111 (14): 5271-5276

- **Using environmental DNA to census marine fishes in a large mesocosm.** *PloS one*
  Kelly, R. P., Port, J. A., Yamahara, K. M., Crowder, L. B.
  2014; 9 (1)

- **Cumulative human impacts on marine predators.** *Nature communications*
  Maxwell, S. M., Hazen, E. L., Bograd, S. J., Halpern, B. S., Breed, G. A., Nickel, B., Teutschel, N. M., Crowder, L. B., Benson, S., Dutton, P. H., Bailey, H., Kappes, M. A., Kuhn, et al
  2013; 4: 2688-?

- **Predicted habitat shifts of Pacific top predators in a changing climate** *NATURE CLIMATE CHANGE*
  Hazen, E. L., Jorgensen, S., Rykaczewski, R. R., Bograd, S. J., Foley, D. G., Jonsen, I. D., Shaffer, S. A., Dunne, J. P., Costa, D. P., Crowder, L. B., Block, B. A.
  2013; 3 (3): 234-238

- **Impacts of fisheries bycatch on marine turtle populations worldwide: toward conservation and research priorities** *ECOSPHERE*
  Wallace, B. P., Kot, C. Y., DiMatteo, A. D., Lee, T., Crowder, L. B., Lewison, R. L.
  2013; 4 (3)

- **Cumulative human impacts on marine predators.** *Nature communications*
  Maxwell, S. M., Hazen, E. L., Bograd, S. J., Halpern, B. S., Breed, G. A., Nickel, B., Teutschel, N. M., Crowder, L. B., Benson, S., Dutton, P. H., Bailey, H., Kappes, M. A., Kuhn, et al
  2013; 4: 2688-?

- **An index to assess the health and benefits of the global ocean** *NATURE*
  Halpern, B. S., Longo, C., Hardy, D., McLeod, K. L., Samhouri, J. F., Katona, S. K., Kleisner, K., Lester, S. E., O'Leary, J., Ranelletti, M., Rosenberg, A. A., Scarborough, C., Selig, et al
  2012; 488 (7413): 615-?

- **Human Dimensions of Coral Reef Social-Ecological Systems** *ECOLOGY AND SOCIETY*
  Kittinger, J. N., Finkbeiner, E. M., Glazier, E. W., Crowder, L. B.
  2012; 17 (4)

- **The Pelagic Species Trait Database, an open data resource to support trait-based ocean research.** *Scientific data*
  Gleiber, M. R., Hardy, N. A., Roote, Z., Krug-MacLeod, A. M., Morganson, C. J., Tandy, Z., George, I., Matuch, C., Brookson, C. B., Daly, E. A., Portner, E. J., Choy, C. A., Crowder, et al
  2024; 11 (1): 2

- **Large-scale effects of turbidity on coral bleaching in the Hawaiian islands** *FRONTIERS IN MARINE SCIENCE*
  Carlson, R. R. R., Li, J., Crowder, L. B. B., Asner, G. P. P.
  2022; 9

- **The diverse benefits of biodiversity conservation in global ocean areas beyond national jurisdiction** *FRONTIERS IN MARINE SCIENCE*
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