

| Cooperative Institute of the North Atlantic Region (CINAR) Publications 4/1/2023 - 3/1/2024 |   |  |                  |  |   |                       |   |                |                  |                   |               |                   |  |
|---|---|--|------------------|--|---|-----------------------|---|----------------|------------------|-------------------|---------------|-------------------|--|
| PI Name / CI Name   |   | Status of Publication (In Review, In Press, Published) | Publication Date | Publication Title  | Published In (Journal Name, volume and page number)                           | Type of Publication   | Citation No. (Digital Object Identifier)  | CI Lead Author | NOAA Lead Author | Other Lead Author | Peer Reviewed | Non Peer Reviewed |  |
| Anderson, Don   | Hallegraef, G.M.; Anderson, D.M.; Davidson, K.; Gianella, F.; Hansen, P.J.; Hegaret, H.; Iwataki, M.; Larsen, T.O.; Mardones, J.; MacKenzie, L.; Rensel, J.E.   | Published  | 6/25/05          | Fish-Killing Marine Algal Blooms: Causative Organisms, Ichthyotoxic Mechanisms, Impacts and Mitigation.                                    | UNESCO-IOC/SCOR, 96pp.  | Manual/Guide          | DOI: <a href="https://doi.org/10.25607/OBP-1964">https://doi.org/10.25607/OBP-1964</a>                              | X              |                  |                   | X             |                   |  |
| Anderson, Don   | Dai, Y., Yang, S., Zhao, D., Hu, C., Xu, W., Anderson, D.M.   | Published  | 3/1/23           | Coastal phytoplankton blooms expand and intensify in the 21st century  | Nature 615, pp. 280–284   | Journal               | <a href="https://doi.org/10.1038/s41586-023-05760-y">doi.org/10.1038/s41586-023-05760-y</a>                         | X              |                  |                   | X             |                   |  |
| Anderson, Don   | Hubbard KA, Villac MC, Chadwick C, DeSmidt AA, Flewelling L, et al.   | Published  | 3/22/23          | Spatiotemporal transitions in <i>Pseudo-nitzschia</i> species assemblages and domoic acid along the Alaska coast.                          | PLoS ONE 18(3): e0282794  | Journal               | <a href="https://doi.org/10.1371/journal.pone.0282794">https://doi.org/10.1371/journal.pone.0282794</a>             | X              |                  |                   | X             |                   |  |
| Apprill, Amy  | Becker, C. C., Weber, L., Zgliczynski, B., Sullivan, C., Sandin, S., E. M., S., C. A., Kido Soule, M., Longecker, K., Kujawinski, E., & Apprill, A.   | Published  | 9/1/23           | Microorganisms and dissolved metabolites distinguish Florida's Coral Reef habitats   | PNAS Nexus, 2:pgad287   | Journal               | <a href="https://doi.org/10.1093/pnasnexus/pgad287">10.1093/pnasnexus/pgad287</a>                                   | X              |                  |                   | X             |                   |  |
| Apprill, Amy  | Garcia, B. M., Becker, C. C., Weber, L., Swarr, G. J., Kido Soule, M. C., Apprill, A., & Kujawinski, E. B.  | Published  | 12/1/23          | Advancing Reef Monitoring Techniques through Exometabolomics: Quantification of Labile Dissolved Organic Metabolites on Coral Reefs        | BioRxiv   | Archive               | 0.1101/2023.12.20.572630  | X              |                  |                   | X             |                   |  |
| Apprill, Amy  | Garcia, B. M., Becker, C. C., Weber, L., Swarr, G. J., Kido Soule, M. C., Apprill, A., & Kujawinski, E. B.  | In Review  |                  | Advancing Reef Monitoring Techniques through Exometabolomics: Quantification of Labile Dissolved Organic Metabolites on Coral Reefs        | Journal of Proteome Research  | Journal               | <a href="https://doi.org/10.1101/2023.12.20.572630">https://doi.org/10.1101/2023.12.20.572630</a>                   | X              |                  |                   | X             |                   |  |
| Apprill, Amy  | Becker, C.C., Weber, L., Llopiz J.K., Mooney, T.A., Apprill A.  | Published  | 4/4/24           | Microorganisms uniquely capture and predict stony coral tissue loss disease and hurricane disturbance impacts on US Virgin Islands reefs   | Environmental Microbiology Volume26, Issue4 April 2024; e16610                | Journal               | <a href="https://doi.org/10.1111/1462-2920.16610">doi.org/10.1111/1462-2920.16610</a>                               | X              |                  |                   | X             |                   |  |
| Cadrin, Steve   | Allen-Jacobson LM, AW Jones, A Mercer, SX Cadrin, B Galuardi, D Christel, A Silva, A Lipsky, JB Haugen.   | Published  | 2/28/23          | Evaluating potential impacts of offshore wind development on fishing operations by comparing fine- and coarse-scale fishery dependent data | Marine and Coastal Fisheries Volume15, Issue1; February 2023;e10233           | Journal               | DOI: 10.1002/mcf2.10233   | X              |                  |                   | X             |                   |  |
| Cadrin, Steve   | Karpim, JS, Erik, W, Grezink, S, Cadrin, G, Fay, P, Lynch, H, Townsend, R, Methot, GD, Adams, K, Blackhart, C, Barceló, A, Buchheister, M, Cieri, D, Chagaris, V, Christensen, JK, Craig, J, Cummings, MD, Damiano, M, Dickey-Collas, BP, Elvarsson, S, Gaichas, MA, Haltuch, JB, Haugen, D, Howell, IC, Kaplan, W, Klajbor, SI, Large, M, Masi, J, McNamee, B, Muffley, S, Murray, É, Plagányi, D, Reid, A, Rindorf, SR, Sagarese, AM, Schueller, R, Thorpe, JT, Thorson, MT, Tomczak, V, Trijoulet & R Voss | Published  | 1/23/23          | Increasing the uptake of multispecies models in fisheries management   | ICES Journal of Marine Science, Volume 80, Issue 2, March 2023, Pages 243–257 | Journal               | DOI: 10.1093/icesjms/fsad001  | X              |                  |                   | X             |                   |  |
| Cadrin, Steve   | Carrano C & SX Cadrin   | Published  | 2023             | Improved estimates of selectivity for a long-term fishery-independent survey with technological changes                                    | ASC 2023 - Theme session D. Conference contribution.                          | Conference Proceeding | <a href="https://doi.org/10.17895/ices.pub.24440521">https://doi.org/10.17895/ices.pub.24440521</a>                 | X              |                  |                   | X             |                   |  |
| Cadrin, Steve   | Frey A & S Cadrin   | Published  | 2023             | Pre-construction baseline of spawning cod and their habitat preferences in offshore renewable energy areas                                 | ASC 2023 - Theme session A. Conference contribution.                          | Conference Proceeding | <a href="https://doi.org/10.17895/ices.pub.24440752">https://doi.org/10.17895/ices.pub.24440752</a>                 | X              |                  |                   | X             |                   |  |
| Cadrin, Steve   | Hansell A, S Cadrin, K Curti, A Hart, C McManus & Lisa Kerr   | Published  | 2023             | Accounting for spatial shifts and environmental drivers of catchability in stock assessment  | ASC 2023 - Theme session P. Conference contribution.                          | Conference Proceeding | <a href="https://doi.org/10.17895/ices.pub.24305050">https://doi.org/10.17895/ices.pub.24305050</a>                 | X              |                  |                   | X             |                   |  |
| Cadrin, Steve   | Kittel J, L Kerr, A Hansell, H de Pontavice, C McManus & S Cadrin   | Published  | 2023             | Environmental effects on yellowtail flounder population dynamics   | ASC 2023 - Theme session P. Conference contribution.                          | Conference Proceeding | <a href="https://doi.org/10.17895/ices.pub.24440716">https://doi.org/10.17895/ices.pub.24440716</a>                 | X              |                  |                   | X             |                   |  |
| Cadrin, Steve   | McGinnis L, A Hansell, G Fay & S Cadrin   | Published  | 2023             | Comparing methods for standardizing fishery catch rates to supplement survey indices in Northeast US Atlantic cod stock                    | ASC 2023 - Theme session B. Conference contribution.                          | Conference Proceeding | <a href="https://doi.org/10.17895/ices.pub.24305050">https://doi.org/10.17895/ices.pub.24305050</a>                 | X              |                  |                   | X             |                   |  |
| Greig, Hamish   | Valerie Watson  | Published  | 8/18/23          | Effects of restoration on basal resources, macroinvertebrates, and ecosystem processes in the Narraguagus River, Maine                     | Digital Commons Umaine  | MSc Thesis            | <a href="https://digitalcommons.library.umaine.edu/etd/3821">https://digitalcommons.library.umaine.edu/etd/3821</a> | X              |                  |                   | X             |                   |  |
| Greig, Hamish   | Hamish Greig  | Published  | 7/7/23           | Rivers: dynamic ecosystems that carve and connect the landscape. <i>In</i> Our Maine: exploring the State's natural heritage               | Downeast Books; Published August 2023   | Book Chapter          | ISBN: 9781684750474   | X              |                  |                   | X             |                   |  |

| PI Name / CI Name |  | Status of Publication (In Review, In Press, Published) | Publication Date | Publication Title  | Published In (Journal Name, volume and page number)  | Type of Publication          | Citation No. (Digital Object Identifier)  | CI Lead Author | NOAA Lead Author | Other Lead Author | Peer Reviewed | Non Peer Reviewed |
|-------------------|--|--|------------------|--|--|------------------------------|---|----------------|------------------|-------------------|---------------|-------------------|
| Greig, Hamish     | Jackson J. K.; Entrekina, S. A., Greig, H. S., and A. H. Roy.  | Published  | 5/5/23           | Atlantic coast rivers of the northeastern United States. <i>In</i> Rivers of North America Volume 2.                         | Elsevier Publishing; Published 2023  | Book Chapter                 | ISBN: 9780128188477   | X              |                  |                   | X             |                   |
| Greig, Hamish     | Ashlynn Amon   | Published  | 5/8/23           | Restoration of Atlantic Salmon in the Narraguagus River, Maine   |  | Undergraduate Capstone Paper | None  | X              |                  |                   | X             |                   |
| Griffin, Robert   | Delevaux, J., Guerry, A., Griffin, R., Ruckelshaus, M.   | Published  | 7/15/05          | Modeling marine ecosystem services   | Encyclopedia of Biodiversity, second edition   | Book chapter                 | 10.1016/B978-0-12-384719-5.00333-6  | X              |                  |                   | X             |                   |
| Kerr, Lisa        | Julia G. Mason, Sarah J. Weisberg, Janelle L. Morano, Richard J. Bell, Mark Fitchett, Roger B. Griffis, Elliott L. Hazen, William D. Heyman, Kirstin Holsman, Kristin M. Kleisner, Katie Westfall, Michele K. Conrad, Margaret Daly, Abigail S. Golden, Chris J. Harvey, Lisa A. Kerr, Gway Kirchner, Arielle Levine, Rebecca L. Lewison, Sean M. Lucey, Wendy Morrison, Brandon Muffley, Jameal F. Samhoury, Matthew Seeley, S. Kalei Shotwell, Diana L. Stram, | Published  | 2023             | Linking knowledge and action for climate-ready fisheries: Emerging best practices across the US                              | Marine Policy Volume 155, September 2023, 105758   | Peer reviewed Journal        | <a href="https://doi.org/10.1016/j.marpol.2023.105758">https://doi.org/10.1016/j.marpol.2023.105758</a>   | X              |                  |                   | X             |                   |
| Maas, Amy         | Gareth L. Lawson, Alex J. Bergan, Z.A. Wang, Ann M. Tarrant  | in review  |                  | Sea butterflies in a pickle: Seasonal sensitivity of <i>Limacina retroversa</i> to ocean acidification in the Gulf of Maine  | Conservation Physiology  | Peer reviewed Journal        | <a href="https://doi.org/10.1101/2023.07.31.551235">10.1101/2023.07.31.551235</a>   | X              |                  |                   | X             |                   |
| Mills, Kathy      | Henderson, M., K. E. Mills, M. Barajas, M. Collins, M. Dzaugis, D. Kircheis, and T. Sheehan.   | Published  | 2023             | A synthesis of U.S. Atlantic salmon habitat requirements and implications for future suitability under a changing climate.   | ICES Journal of Marine Science 80(8): 2051-2073  | peer-reviewed paper          | DOI:10.1093/icesjms/fsad127   | X              |                  |                   | X             |                   |
| Mills, Kathy      | Mills, K.E. and T. F. Sheehan  | Published  | 2023             | Current and predicted ecological impacts of climate change to salmon productivity in the North Atlantic, in marine habitats. | Report of a Theme-Based Special Session of the Council: <i>Informing a Strategic Approach to Address the Impacts of Climate Change on Wild Atlantic Salmon</i> . North Atlantic Salmon | report                       | <a href="https://nasco.int/wp-content/uploads/2023/05/CNL2349_Mills-Sheehan_2023-NASCO-TBSS-Climate-Change.pdf">https://nasco.int/wp-content/uploads/2023/05/CNL2349_Mills-Sheehan_2023-NASCO-TBSS-Climate-Change.pdf</a> | X              |                  |                   | X             |                   |
| Mills, Kathy      | ICES   | Published  | 2023             | The second ICES/NASCO workshop on salmon mortality at sea (WKSALMON2; outputs from 2022 meeting)                             | ICES Scientific Reports 5:36   | report                       | <a href="https://doi.org/10.17895/ices.pub.22560790">https://doi.org/10.17895/ices.pub.22560790</a>   | X              |                  |                   | X             |                   |
| Moore, Michael    | Moore M, Lanagan T, Wells R, Kapit J, Barleycorn A, Aljlen J, Baird R, Braun C, Skomal G, Thorrold S   | Published  | 4/15/24          | Single-pin, un-barbed, pole-tagging of free-swimming dolphins and sharks with satellite-linked transmitters.                 | Anim Biotelemetry 12, 6 (2024)   | Journal                      | <a href="https://doi.org/10.1186/s40317-024-00364-3">doi.org/10.1186/s40317-024-00364-3</a>   | X              |                  |                   | X             |                   |
| Mouw, Colleen     | Agarwal, V., J. Chávez-Casillas, K. Inomura, C.B. Mouw   | Published  | 2/19/24          | Patterns in the temporal complexity of global chlorophyll concentration  | <i>Nat Commun</i> 15, 1522 (2024)  | Journal                      | <a href="https://doi.org/10.1038/s41467-024-45976-8">https://doi.org/10.1038/s41467-024-45976-8</a>   | X              |                  |                   | X             |                   |
| Oliveira, Ken     | Wuenschel, M. J., Bean, K. A., Rajaniemi, T., & Oliveira, K.   | Published  | 3/1/24           | Variation in Energy Density of Northwest Atlantic Forage Species: Ontogenetic, Seasonal, Annual, and Spatial Patterns.       | <i>Marine and Coastal Fisheries: Dynamics, Management, and Ecosystem Science</i> , 16, e10287.   | Research                     | <a href="https://doi.org/10.1002/mcf2.10287">https://doi.org/10.1002/mcf2.10287</a>   | X              |                  |                   | X             |                   |
| Pickart, Robert   | M. Li; R. S. Pickart, P. Lin, R. A. Woodgate, L. Xie   | Published  | 1/4/23           | Boundary Currents at the Northern Edge of the Chukchi Sea at 166°W   | Journal of Geophysical Research: Oceans, 128, e2022JC018997  | Journal                      | <a href="https://doi.org/10.1029/2022JC018997">10.1029/2022JC018997</a>   | X              |                  |                   | X             |                   |
| Pickart, Robert   | P. Lin, R. S. Pickart, H. Eorton, M. Tsamados, M. Itoh, T. Kikuchi   | Published  | 5/8/23           | Recent state transition of the Arctic Ocean's Beaufort Gyre  | Nat. Geosci. 16, 485–491 (2023)  | Journal                      | <a href="https://doi.org/10.1038/s41561-023-01184-5">10.1038/s41561-023-01184-5</a>   | X              |                  |                   | X             |                   |
| Pickart, Robert   | P. Lin, R. S. Pickart, T. J. Weingartner, H. L. Simmons, M. Itoh, T. Kikuchi   | Published  | 8/1/23           | Formation and circulation of Newly Ventilated Winter Water in the western Beaufort Sea                                       | Progress in Oceanography, Volume 216, 2023, 103068,  | Journal                      | <a href="https://doi.org/10.1016/j.pocean.2023.103068">10.1016/j.pocean.2023.103068</a>   | X              |                  |                   | X             |                   |
| Pickart, Robert   | J. Huang, R. S. Pickart, N. P. Foukal, M. A. Spall, P. Lin   | Published  | 6/13/23          | Structure and variability of the Barrow Canyon outflow from two high-resolution shipboard surveys in 2018                    | Journal of Geophysical Research: Oceans, 128, e2023JC019640.   | Journal                      | <a href="https://doi.org/10.1029/2023JC019640">10.1029/2023JC019640</a>   | X              |                  |                   | X             |                   |

| PI Name / CI Name                  | Status of Publication (In Review, In Press, Published)   | Publication Date | Publication Title | Published In (Journal Name, volume and page number)  | Type of Publication  | Citation No. (Digital Object Identifier) | CI Lead Author  | NOAA Lead Author | Other Lead Author | Peer Reviewed | Non Peer Reviewed |  |
|------------------------------------|--|------------------|-------------------|--|--|--|---|------------------|-------------------|---------------|-------------------|--|
| Pickart, Robert                    | R. S. Pickart, P. Lin, and 32 co-authors   | Published        | 12/1/23           | The Pacific water flow branches in the Chukchi Sea.  | Progress in Oceanography, Volume 219, 2023, 103169,          | Journal                                  | 10.1016/j.pocean.2023.103169  | X                |                   |               | X                 |  |
| Pickart, Robert                    | R. Yee, R. Musgrave, E. Fine, J. Nash, L. St. Laurent, R. S. Pickart   | Published        | 2/28/24           | Turbulent diffusivity profiles inferred from temperature microstructure at the southern edge of the Canada Basin   | Journal of Geophysical Research: Oceans, 129, e2023JC019932. | Journal                                  | 10.1029/2023JC019932  | X                |                   |               | X                 |  |
| Pickart, Robert                    | E. Fachon, R.S. Pickart, and 18 co-authors   | Submitted        | Pending           | An unprecedented toxic algal bloom in Arctic waters  | Communications, Earth, and Environment                       | Journal                                  |   | X                |                   |               | X                 |  |
| Saba, Grace                        | Many from NOAA NEFSC and other contributors including G. Saba  | Published        | 3/1/23            | State of the Ecosystem 2023 Report: Mid-Atlantic   | NOAA repository  | Report                                   | <a href="https://doi.org/10.25923/vv6j-w454">https://doi.org/10.25923/vv6j-w454</a>                     | X                | X                 |               | X                 |  |
| Saba, Grace                        | Many from NOAA NEFSC and other contributors including G. Saba  | Published        | 3/1/23            | State of the Ecosystem 2023 Report: New England  | NOAA repository  | Report                                   | <a href="https://doi.org/10.25923/9sb9-nj66">https://doi.org/10.25923/9sb9-nj66</a>                     | X                | X                 |               | X                 |  |
| Saba, Grace                        | Many from NOAA NEFSC and other contributors including G. Saba  | In Review        |                   | State of the Ecosystem 2024 Report: Mid-Atlantic   | NOAA repository  | Report                                   |   | X                | X                 |               | X                 |  |
| Saba, Grace                        | Many from NOAA NEFSC and other contributors including G. Saba  | In Review        |                   | State of the Ecosystem 2024 Report: New England  | NOAA repository  | Report                                   |   | X                | X                 |               | X                 |  |
| Stoll, Joshua                      | Sahir Advani; Jeffrey K. O'Hara; Sarah M. Shoffler; Patricia Pinto da Silva; Juan Agar; JuliAnna Arnett; Lilian Brislen; Matthew Cutler; Abigail Harley; Justin Hospital; Karma Norman; Edward Ragland; Dale Squires; Brent Stoffle; Marysia Szymkowiak; Americo J. Vega-Labiosa | Published        | 7/1/24            | Estimating the scope, scale, and contribution of direct seafood marketing to the United States seafood sector  | Marine Policy, Volume 165, 2024, 106188,                     | Peer Reviewed                            | <a href="https://doi.org/10.1016/j.marpol.2024.106188">https://doi.org/10.1016/j.marpol.2024.106188</a> | X                |                   |               | X                 |  |
| Stoll, Joshua                      | Stoll, Joshua  | In Press         |                   | Spotlight Topic — U.S. Direct Seafood Marketing Estimates  | Fisheries Economics of the United States                     |  |   | X                |                   |               | X                 |  |
| Stoll, Joshua                      | Advani, Sahir, Sarah M Shoffler, Jeffrey O'Hara, Dale Squires, Edward Ragland, Americo J Vega-Labiosa, JuliAnna Arnett, Patricia P da Silva, and Joshua S Stoll  | Published        | 20-Feb-24         | Fact Sheet 1 - Sector Details  | OSF, 10 May 2024. Web.                                       | Communication                            | 10.17605/OSF.IO/V5TPH   | X                |                   |               | X                 |  |
| Todd, Robert                       | Robert E. Todd, Alice S. Ren   | Published        | 10/9/23           | Warming and lateral shift of the Gulf Stream from in situ observations since 2001  | Nature Climate Change, 13, 1348-1352                         | Paper                                    | <a href="https://doi.org/10.1038/s41558-023-01835-w">10.1038/s41558-023-01835-w</a>                     | X                |                   |               | X                 |  |
| Todd, Robert                       | Shun Mao, Ruoying He, John Bane, Glen Gawarkiewicz, Robert E. Todd   | Published        | 8/19/23           | A data-assimilative modeling investigation of Gulf Stream variability  | Deep Sea Research Part II, 211, 105319                       | Paper                                    | <a href="https://doi.org/10.1016/j.dsr2.2023.105319">10.1016/j.dsr2.2023.105319</a>                     | X                |                   |               | X                 |  |
| Todd, Robert                       | A.M. Quattrini, M.S. Nizinkski, J.J. Lunden, F. Mienis, C.L. Morrison, L. Sautter, H. Seim, Robert E. Todd, J. Reed  | Published        | 12/28/23          | Cold-water coral reefs of the southeastern United States   | Coral Reefs of the World, vol 19. Springer, Cham.            | Chapter                                  | 10.1007/978-3-031-40897-7_4   | X                |                   |               | X                 |  |
| Waller, Rian                       | Beckmann L, Hoff G, Waller RG  |                  | 2023              | Deepwater coral and sponge gardens in Alaska: Reproduction and recruitment of keystone species.  | International Symposium on Deep Sea Corals,                  | Paper                                    |   | X                |                   |               | X                 |  |
| Weller, Robert Plueddemann, Albert | Boyer, T. and 43 including R.A. Weller and A. J. Plueddemann   | Published        | 2/23/23           | Effects of the Pandemic on the Ocean Observing System  | Bull. Amer. Met Soc., 104(2), 389-410.                       | journal                                  | <a href="https://doi.org/10.1175/BAMS-D-21-0210.1">https://doi.org/10.1175/BAMS-D-21-0210.1</a>         | X                |                   |               | X                 |  |
| Weller, Robert                     | Miller, U.K, C.J. Zappa, S. Zippel, J.T. Farrar, and R.A.Weller  | Published        | 1/16/23           | Scaling of Moored Surface Ocean Turbulence Measurements in the Southeast Pacific Ocean   | JGR Oceans,128, e2022JC018901                                | journal                                  | DOI.org/10.1029/2022JC018901  | X                |                   |               | X                 |  |
| Weller, Robert                     | L. A. C. M. Knor, C. L. Sabine, A. J. Sutton, A. E. Whote, J. Potemra, R.A. Weller   | Published        | 7/2/23            | Quantifying Net Community Production and Calcification at Station ALOHA Near Hawai'i: Insights and Limitations From a Dual Tracer Carbon Budget Approach | Global Biogeochemical Cycles,37(7), e2022GB007672            | journal                                  | doi.org/10.1029/2022GB007672  | X                |                   |               | X                 |  |
| Plueddemann, Albert                | L. Lobert,, G.G. Gawariewicz, and A. J. Plueddemann  | Published        | 6/13/23           | Categorization of High-wind Events and Their Contribution to the Seasonal Breakdown of Stratification on the Southern New England Shelf                  | JGR Oceans,128, e2022JC019625                                | journal                                  | doi.org/10.1029/2022JC019625  | X                |                   |               | X                 |  |
| Weller, Robert                     | F. Santiago-Madjunado, R. Lukas, A. Soloviev, J.T. Potemra, R.A. Weller, A. J. Plueddemann, C.W. Fairall   | in review        |                   | The Price-Weller_Pinkel Model Version 2.1: Improved Forcing and Parameterization of Upper Ocean  | Progress in Oceanography                                     | journal                                  |   | X                |                   |               | X                 |  |
| Wijffels, Susan                    | Chamberlain, P., L. D. Talley, M. Mazloff, E. van Sebille, S. T. Gille, T. Tucker, M. Scanderbeg, and P. Robbins   | published        | 9/1/23            | Using Existing Argo Trajectories to Statistically Predict Future Float Positions with a Transition Matrix  | J. Atmos. Ocean. Technol., 40 (9), 1083-1103                 | Journal                                  | <a href="https://doi.org/10.1175/JTECH-D-22-0070.1">https://doi.org/10.1175/JTECH-D-22-0070.1</a>       | X                |                   |               | X                 |  |

| PI Name / CI Name | Status of Publication (In Review, In Press, Published)   | Publication Date | Publication Title | Published In (Journal Name, volume and page number)   | Type of Publication  | Citation No. (Digital Object Identifier) | CI Lead Author  | NOAA Lead Author | Other Lead Author | Peer Reviewed | Non Peer Reviewed |  |
|-------------------|--|------------------|-------------------|---|--|--|---|------------------|-------------------|---------------|-------------------|--|
| Jayne, Steven     | Densmore, C. R., E. R. Sanabia, and S. R. Jayne  | published        | 7/1/23            | Ocean Temperature Observations in Hurricane Dorian (2019)   | Mon. Weather Rev., <b>151</b> (6), 1509-1520                                   | Journal                                  | <a href="https://doi.org/10.1175/MWR-D-22-0271.1">https://doi.org/10.1175/MWR-D-22-0271.1</a>   | X                |                   |               | X                 |  |
| Wijffels, Susan   | Shi, J.-R., Y.-O. Kwon, and S. E. Wijffels   | published        | 1/9/23            | Subsurface Ocean Temperature Responses to the Anthropogenic Aerosol Forcing in the North Pacific  | Geophys. Res. Lett., <b>50</b> (2), e2022GL101035                              | Journal                                  | <a href="https://doi.org/10.1029/2022GL101035">https://doi.org/10.1029/2022GL101035</a>   | X                |                   |               | X                 |  |
| Wijffels, Susan   | Shi, J.-R., S. E. Wijffels, Y.-O. Kwon, L. D. Talley, and S. T. Gille                            | published        | 9/20/23           | The competition between anthropogenic aerosol and greenhouse gas climate forcing is revealed by North Pacific water-mass changes  | Science Advances, <b>9</b> (38)  | Journal                                  | doi: <a href="https://doi.org/10.1126/sciadv.adh7746">https://doi.org/10.1126/sciadv.adh7746</a>  | X                |                   |               | X                 |  |
| Wijffels, Susan   | von Schuckmann, K., et al. including S. Wijffels   | published        | 4/17/23           | Heat stored in the Earth system 1960–2020: where does the energy go?  | <i>Earth System Science Data</i> , <b>15</b> , 1675–1709                       | Journal                                  | doi:10.5194/essd-15-1675-2023   | X                |                   |               | X                 |  |
| Wijffels, Susan   | Robert W. Izett, Katja Fennel, Adam C. Stoer, and David P. Nicholson                             | published        | 1/2/24            | Reviews and syntheses: expanding the global coverage of gross primary production and net community production measurements using Biogeochemical-Argo floats             | Biogeosciences 21 (1), 13-47   | Journal                                  | <a href="https://doi.org/10.5194/bg-21-13-2024">https://doi.org/10.5194/bg-21-13-2024</a>   | X                |                   |               | X                 |  |
| Wijffels, Susan   | Meunier, T., A. Le Boyer, S. Molodstov, A. Bower, H. Furey, and P. Robbins                       | published        | 11/16/2023        | Internal Wave Activity in the Deep Gulf of Mexico.  | Front. Mar. Sci., 10   | Journal                                  | <a href="https://doi.org/10.3389/fmars.2023.1285303">https://doi.org/10.3389/fmars.2023.1285303</a>   | X                |                   |               | X                 |  |
| Wijffels, Susan   | Wijffels, S., G. Gebbie and P. Robbins   | in review        | n/a               | Resolving the ubiquitous small-scale semi-permanent features of the general ocean circulation: a multiplatform observational approach                                   | J. Physical Oceanogr.  | Journal                                  | n/a   | X                |                   |               | X                 |  |
| Wilkin, John      | Moore, A. M., Arango, H., Wilkin, J. and Edwards, C.A.   | Published        | December, 2023    | Weak Constraint 4D-Var Data Assimilation in the Regional Ocean Modeling System (ROMS) using a Saddle-Point Algorithm: Application to the California Current Circulation | Ocean Modelling, Volume 186, December 2023, 102262                             | Journal                                  | <a href="https://doi.org/10.1016/j.ocemod.2023.102262">https://doi.org/10.1016/j.ocemod.2023.102262</a>   | X                |                   |               | X                 |  |
| Wilkin, John      | Arango, H., J. Levin, J. Wilkin and A. Moore   | Published        | August, 2023      | 4D-Var Data Assimilation in a Nested Model of the Mid-Atlantic Bight  | Ocean Modelling, Volume 184, August 2023, 102201                               | Journal                                  | doi:10.1016/j.ocemod.2023.102201  | X                |                   |               | X                 |  |
| Wilkin, John      | Drake, P., Edwards, C.A., Arango, H.G., Wilkin, J., TajalliBaksh, T., Powell, B. and Moore, A.M. | Published        | Apr-23            | Forecast Sensitivity-based Observation Impact (FSO)   | Ocean Modelling, Volume 182, April 2023, 102159                                | Journal                                  | <a href="https://doi.org/10.1016/j.ocemod.2022.102159">doi.org/10.1016/j.ocemod.2022.102159</a>   | X                |                   |               | X                 |  |
| Wilkin, John      | Feng, H., A. Egado, D. Vandemark and J. Wilkin   | Published        | Jan-23            | Exploring the potential of Sentinel-3 delay Doppler altimetry for enhanced detection of coastal currents along the Northwest Atlantic shelf                             | Advances in Space Research, Volume 71, Issue 1, 1 January 2023, Pages 997-1016 | Journal                                  | <a href="https://doi.org/10.1016/j.asr.2022.09.011">doi.org/10.1016/j.asr.2022.09.011</a>   | X                |                   |               | X                 |  |
| Yu, Lisan         | Yu, L  | Published        | Dec. 2023         | Connecting subtropical salinity maxima to tropical salinity minima: Synchronization between ocean dynamics and the water cycle  | Progress in Oceanography, 219, 103172  | Research Article                         | <a href="https://doi.org/10.1016/j.pocean.2023.103172">https://doi.org/10.1016/j.pocean.2023.103172</a>   | X                |                   |               | X                 |  |
| Yu, Lisan         | Yu, L., Chen, Y., Gonzalez, A. O., Zhang, C., & Foltz, G. R                                      | Published        | Dec. 2023         | Dry air outbreak and significant surface turbulent heat loss during Hurricane Ian: Satellite and saildrone observations   | Geophysical Research Letters, 50, e2023GL105583                                | Research Article                         | <a href="https://doi.org/10.1029/2023GL105583">https://doi.org/10.1029/2023GL105583</a>   | X                |                   |               | X                 |  |
| Yu, Lisan         | Chen, Y., and L. Yu  | Published        | 7-Mar-24          | Mesoscale meridional heat transport inferred from sea surface observations  | Geophysical Research Letters Volume 51, Issue 5, 16 March 2024 e2023GL106376   | Research Article                         | <a href="https://doi.org/10.1029/2023GL106376">doi.org/10.1029/2023GL106376</a>   | X                |                   |               | X                 |  |
| Yu, Lisan         | Chen, Y., and L. Yu  | Published        | 3/9/24            | Signature of mesoscale eddies on air-sea heat fluxes in the North Indian Ocean  | JGR Oceans Volume 129, Issue 3 March 2024 e2023JC019878                        | Research Article                         | <a href="https://doi.org/10.1029/2023JC019878">doi.org/10.1029/2023JC019878</a>   | X                |                   |               | X                 |  |
| Yu, Lisan         | Carrigg, J., Yu, L., Menenez, V., Chen, Y.   | Published        | 5/27/24           | September Equinox Shift in Arctic Surface Energy Budget: Beaufort-Chukchi Seas Case Study   | JGR Oceans, Volume 129, Issue 5, May 2024                                      | Research Article                         | <a href="https://doi.org/10.1029/2023JC020788">doi.org/10.1029/2023JC020788</a>   | X                |                   |               | X                 |  |
| Yu, Lisan         | Yu, L., Liu, C., Stackhouse, P. W., Garg, J., and Weller, R. A.                                  | In Review        |                   | Global Ocean Heat, Freshwater, and Momentum Fluxes  | Bull. Amer. Meteor. SocReport  | Research Article                         |   | X                |                   |               | X                 |  |
| Zhang, Wenjian    | GOOS Observations Coordination Group (OCG)   | published        | 10/23/23          | Ocean Observing System Report Card  | GOOS Report N°292  | Report                                   | <a href="https://www.ocean-ops.org/reportcard">https://www.ocean-ops.org/reportcard</a>   | X                |                   |               | X                 |  |
| Zhang, Wenjian    | OceanOPS Team  | published        | 6/26/23           | OceanOPS Technical Bulletin   |  | Report                                   | <a href="https://www.ocean-ops.org/bulletin/2023-06-Ocean_Observing_System_Bulletin.pdf">https://www.ocean-ops.org/bulletin/2023-06-Ocean_Observing_System_Bulletin.pdf</a> | X                |                   |               | X                 |  |
| Zhang, Wenjian    | OceanOPS Team  | published        | 12/1/23           | Journey with Ocean Observers  |  | Comic Book                               | <a href="https://www.oceanobservers.org/Ocean-Observers-the-comic">https://www.oceanobservers.org/Ocean-Observers-the-comic</a>   | X                |                   |               | X                 |  |

| PI Name / CI Name | Status of Publication (In Review, In Press, Published) | Publication Date | Publication Title | Published In (Journal Name, volume and page number)                               | Type of Publication  | Citation No. (Digital Object Identifier)  | CI Lead Author  | NOAA Lead Author | Other Lead Author | Peer Reviewed | Non Peer Reviewed |  |
|-------------------|--|------------------|-------------------|---|--|---|---|------------------|-------------------|---------------|-------------------|--|
| Zhang, Wenjian    | OceanOPS Team  | published        | 2023              | DBCP national reports   |  | Report                                    | <a href="https://wmoomm-my.sharepoint.com/:w:/r/personal/cgallage_wmo_int/_layouts/15/Doc.aspx?sourcedoc=%7BC159C9BB-3C66-477F-BF0A-8178C56F03E8%7D&amp;file=DBCP-39_National_report%20_OceanOPS_2022_2023.docx&amp;action=default&amp;mobileredirect=true">https://wmoomm-my.sharepoint.com/:w:/r/personal/cgallage_wmo_int/_layouts/15/Doc.aspx?sourcedoc=%7BC159C9BB-3C66-477F-BF0A-8178C56F03E8%7D&amp;file=DBCP-39_National_report%20_OceanOPS_2022_2023.docx&amp;action=default&amp;mobileredirect=true</a> | X                |                   |               | X                 |  |
| Zhang, Wenjian    | OceanOPS Team  | published        | 2/1/23            | Effects of the Pandemic on Observing the Global Ocean                             | Bulletin of the American Meteorological Society                                  | Scientific Paper                          | <a href="https://doi.org/10.1175/BAMS-D-21-0210.1">https://doi.org/10.1175/BAMS-D-21-0210.1</a>   | X                |                   |               | X                 |  |
| Zhang, Wenjian    | OceanOPS Team (as contributor)                         | published        | 7/1/23            | EuroSea D3.18   |  | EU Project Deliverable                    | <a href="https://doi.org/10.3289/eurosea_d3.18">https://doi.org/10.3289/eurosea_d3.18</a>   | X                |                   |               | X                 |  |
| Zhang, Wenjian    | Turpin, Victor   | published        | 2/1/24            | GROOM II - D6.1   |  | EU Project Deliverable                    | <a href="https://www.groom-ri.eu/wp-content/uploads/2024/03/d6.2.pdf">https://www.groom-ri.eu/wp-content/uploads/2024/03/d6.2.pdf</a>   | X                |                   |               | X                 |  |
| Zhang, Wenjian    | Turpin, Victor   | published        | 12/1/23           | GROOM II - D5.2   |  | EU Project Deliverable                    | <a href="https://www.groom-ri.eu/wp-content/uploads/2024/01/groom-ii-key-societal-benefits-of-a-sustained-glider-infrastructure-v.final.pdf">https://www.groom-ri.eu/wp-content/uploads/2024/01/groom-ii-key-societal-benefits-of-a-sustained-glider-infrastructure-v.final.pdf</a>   | X                |                   |               | X                 |  |
| Zhang, Wenjian    | Turpin, Victor   | published        | 12/1/23           | ADMT 24 - Summary Report  |  | Program Annual Report                     | <a href="https://docs.google.com/document/d/1XvsrTDvXOwKoeUArjOj_NBRzQwsJMK1mJelQIbKFa4/edit?usp=sharing">https://docs.google.com/document/d/1XvsrTDvXOwKoeUArjOj_NBRzQwsJMK1mJelQIbKFa4/edit?usp=sharing</a>   | X                |                   |               | X                 |  |
| Zhang, Wenjian    | Turpin, Victor   | published        | 5/1/23            | AST 24 - Report   |  | Program Annual Report                     | <a href="https://argo.ucsd.edu/wp-content/uploads/sites/361/2023/06/AST24_meeting_report-combined.pdf">https://argo.ucsd.edu/wp-content/uploads/sites/361/2023/06/AST24_meeting_report-combined.pdf</a>   | X                |                   |               | X                 |  |
| Zhang, Wenjian    | OceanOPS Team  | published        | 5/1/23            | Network reports at OCG  |  | OCG annual                                | <a href="https://oceanexpert.org/event/3820#documents">https://oceanexpert.org/event/3820#documents</a>   | X                |                   |               | X                 |  |
| Zhang, Wenjian    | Jiang, Long  | published        | 5/1/23            | First DBCP training workshop for Mediterranean                                    |  | Network annual capacity building          | <a href="https://oceanexpert.org/document/32255">https://oceanexpert.org/document/32255</a>   | X                |                   |               | X                 |  |
| Zhang, Wenjian    | Jiang, Long  | published        | 10/1/23           | OceanOPS report to DBCP-39  |  | Report                                    | <a href="https://wmoomm-my.sharepoint.com/:w:/r/personal/cgallage_wmo_int/_layouts/15/Doc.aspx?sourcedoc=%7B0586FA7C-2F03-4709-A97B-10988FBC803%7D&amp;file=DBCP-39-Doc%206-DBCP%26OceanOPS%20Report_V1.0.docx&amp;action=default&amp;mobileredirect=true">https://wmoomm-my.sharepoint.com/:w:/r/personal/cgallage_wmo_int/_layouts/15/Doc.aspx?sourcedoc=%7B0586FA7C-2F03-4709-A97B-10988FBC803%7D&amp;file=DBCP-39-Doc%206-DBCP%26OceanOPS%20Report_V1.0.docx&amp;action=default&amp;mobileredirect=true</a>   | X                |                   |               | X                 |  |
| Zhang, Wenjian    | Jiang, Long  | published        | 12/1/23           | OceanOPS metadata for TRUSTED Fiducial Reference Measurement (FRM) Drifting Buoys |  | EUMETSAT project deliverable              | <a href="https://www.eventsforce.net/eumetsat/frontend/reg/absViewDocumentFE.csp?documentID=1567&amp;eventID=44">https://www.eventsforce.net/eumetsat/frontend/reg/absViewDocumentFE.csp?documentID=1567&amp;eventID=44</a>   | X                |                   |               | X                 |  |
| Zhang, Wenjian    | Jiang, Long  | published        | 9/1/23            | Environmental Stewardship of the Data Buoy Cooperation Panel                      |  | WMO Environmental Sustainability Workshop | <a href="https://wmoomm.sharepoint.com/:b:/s/wmocpdb/EUTdnHSM2VJHoc-Yj1_bBssBU6Aqg23DUBESV15AuY3b2Q?e=qQYwkw">https://wmoomm.sharepoint.com/:b:/s/wmocpdb/EUTdnHSM2VJHoc-Yj1_bBssBU6Aqg23DUBESV15AuY3b2Q?e=qQYwkw</a>   | X                |                   |               | X                 |  |
| Zhang, Wenjian    | OceanOPS Team  | published        | 2/9/24            | COVID Impacts Cause Critical Gaps in the Indian Oc                                | Bulletin of the American Meteorological Society, Vol. 105, Issue 3, pp E725-E741 | Article                                   | <a href="https://doi.org/10.1175/BAMS-D-22-0270.1">https://doi.org/10.1175/BAMS-D-22-0270.1</a>   | X                |                   |               | X                 |  |