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研究領域: 物理海洋學、高緯度海洋學 (北冰洋)、近岸與大陸棚
物理海洋學、海洋內波、海洋鋒面系統及其中小尺度現象、
海洋實測資料分析、岸基測流高頻雷達資料分析

Selected recent publications :

1. Katlein, C., V. Mohrholz, I. Sheikin, P. Itkin, D. Divine, J. Stroeve, A. Jutila, D. Krampe, E. Shimanchuk, I. Raphael, B. Rabe, I. Kuznetsov, M. Mallet, H. Liu, M. Hoppmann, **Y.-C. Fang**, A. Dumitrascu, S. Arndt, P. Anhaus, M. Nicolaus, I. Matero, M. Oggier, H. Eicken, C. Haas (2020), Platelet Ice Under Arctic Pack Ice in Winter. *Geophysical Research Letters*, 47(16), e2020GL088898. <https://doi.org/10.1029/2020GL088898>
2. **Fang, Y.-C.**, T. J. Weingartner, E. L. Dobbins, P. Winsor, H. Statscewich, R. A. Potter, T. Mudge, C. A. Stoudt, and K. Borg (2020), Circulation and Thermohaline Variability of the Hanna Shoal Region on the Northeastern Chukchi Sea Shelf, *Journal of Geophysical Research: Oceans*, 125(7): e2019JC015639. doi: doi:10.1029/2019JC015639.
3. **Fang, Y.-C.**, R. A. Potter, H. Statscewich, T. J. Weingartner, P. Winsor, and B. K. Irving (2017), Surface Current Patterns in the Northeastern Chukchi Sea and Their Response to Wind Forcing. *Journal of Geophysical Research: Oceans*, 122(12), doi:10.1002/2017JC013121.
4. Weingartner, T. J., **Y.-C. Fang**, P. Winsor, E. Dobbins, R. A. Potter, H. Statscewich, and K. Borg (2017), The Summer Hydrographic Structure of the Hanna Shoal Region on the Northeastern Chukchi Sea Shelf: 2011–2013. *Deep Sea Research Part II: Topical Studies in Oceanography*, 144, 6–20.
5. **Fang, Y.-C.**, T. J. Weingartner, R. A. Potter, P. Winsor, and H. Statscewich (2015), Quality Assessment of HF Radar–Derived Surface Currents Using Optimal Interpolation. *Journal of Atmospheric and Oceanic Technology*, 32, 282–296.
6. Yang, Y. J., **Y.-C. Fang**, T. Y. Tang, and S. R. Ramp (2010), Convex and Concave Types of Second Baroclinic Mode Internal Solitary Waves. *Nonlinear Processes in Geophysics*, 17(6), 605–614, doi:10.5194/npg-17-605-2010.
7. Yang, Y. J., **Y.-C. Fang**, M.-H. Chang, S. R. Ramp, C.-C. Kao, and T. Y. Tang (2009), Observations of Second Baroclinic Mode Internal Solitary Waves on the Continental Slope of the Northern South China Sea. *Journal of Geophysical Research: Oceans*, 114(C10), C10003, doi:10.1029/2009JC005318.