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RESEARCH INTERESTS:

coastal ocean dynamics and numerical modeling of ocean circulation

EDUCATION:

Ph.D in Physical Oceanography, 1995, McGill University, Canada
M.S in Physical Oceanography, 1991, McGill University, Canada
B.S in Marine Meteorology, 1983, Shandong College of Oceanology, China

10 PEER-REVIEWED PUBLICATIONS:

1. **Gan, J.**, H. Li, E. N. Curchitser and D. B. Haidvogel, 2006. Modeling South China Sea circulation: Response to seasonal forcing regimes. *J. Geophys. Res.*, 111, C06034, doi:10.1029/2005JC003298.
2. **Gan, J.** and J. S. Allen, 2005. Modeling upwelling circulation off the Oregon coast. *J. Geophys. Res.*, 110, doi:10.1029/2004JC002692.
3. **Gan, J.** and J. S. Allen, 2005. On open boundary conditions for a limited-area coastal model off Oregon. Part 1: Response to idealized wind forcing, *Ocean Modelling*, 8/1-12 pp 115-133, doi: 0.1016/j.ocemod.2003.12.006.
4. **Gan, J.**, J. S. Allen and R. Samelson, 2005. On open boundary conditions for a limited-area coastal model off Oregon. Part 2: Response to wind forcing from a regional mesoscale atmospheric model, *Ocean Modelling*, 8/1-12 pp 155-173, doi: 10.1016/j.ocemod.2003.12.007.
5. **Gan, J.** and J. S. Allen, 2002. A modeling study of shelf circulation off northern California in the region of the Coastal Ocean Dynamics Experiment. 2, Simulations and comparisons with observations, *J. Geophys. Res.*, 107(C11), 3184, doi:10.1029/2001JC001190.
6. **Gan, J.** and J. S. Allen, 2002. A modeling study of shelf circulation off northern California in the region of the Coastal Ocean Dynamics Experiment, Response to relaxation of upwelling, *J. Geophys. Res.*, 107(C9), 3123, doi: 10.1029/2000JC000768.
7. **Gan, J.**, L. Mysak and D. Straub, 1998. Simulation of the South Atlantic ocean circulation and its seasonal variability. *J. Geophys. Res.*, 103, 10,241-10,251.
8. **Gan, J.**, R. Ingram and R. Greatbatch, 1997. On the unsteady separation/intrusion of Gaspe Current and variability in Baie des Chaleurs, Modeling Studies, *J. Geophys. Res.*, 102, 15,567-15,581.
9. **Gan, J.**, R. Ingram, R. Greatbatch and P. Chen, 1995. Upper ocean modeling in a coastal bay. *J. Geophys. Res.*, 100, 15, 15,977-15,997.
10. **Gan, J.** and G. Ingram, 1992. Internal hydraulics, solitons and associated mixing in a stratified sound, *J. Geophys. Res.*, 97, 9669-9688.