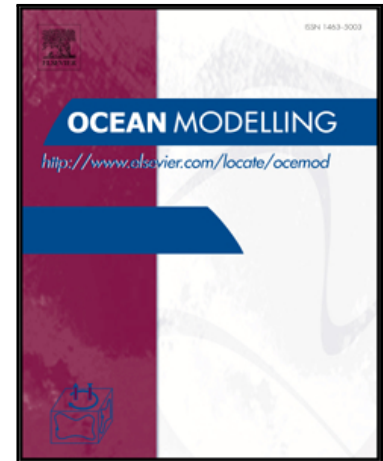


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Southern Annular Mode impacts on global ocean surface waves

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Highlights

- Statistically significant wave anomalies in the Southern Hemisphere covary with SAM surface zonal winds
- Significant wave anomalies are also detected in the central North Pacific and North Atlantic oceans during DJF
- The northern extratropical wave signals occur in connection with SAM teleconnections, independent of ENSO
- The SAM also influences the occurrence of daily low and high wave conditions
The SAM may be a source of sub-weekly to seasonal predictability of surface wave

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