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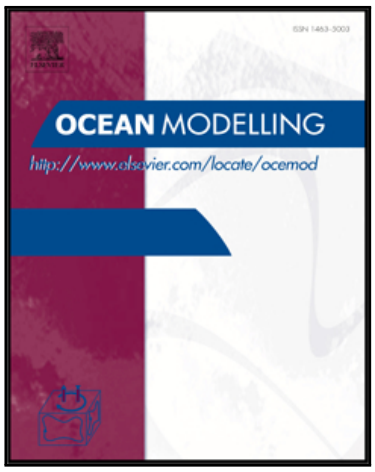

Parameter estimation for a cohesive sediment transport model by assimilating satellite observations in the Hangzhou Bay: Temporal variations and spatial distributions

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Highlights

- Satellite observations are assimilated into a cohesive sediment transport model.
- Model parameters are estimated synchronously using the adjoint method.
- Patterns for the temporal and spatial variations of the model parameters are developed.
- Model performance is significantly improved after data assimilation.

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