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"Calibration of Tides in an Operational Forecast System for the Shelikof Straitsa€?Cook Inlet Region of Alaska""Floridaa€?s Intracoastal Waterway in a Storm Surge Setting: Longwave Physics and Mesh Resolution"; "Development of Extratropical Surge and Tide Operational Forecast System (ESTOFS)"; "An Automated Operational Storm Surge Prediction System for the National Hurricane Center"; "Coupling of Tides and Storm Surge for Operational Modeling on the Florida Coast"; "Pollutant Transport and Water Quality Prediction"
"An Enhanced Numerical Model for Material Cycling and Dissolved Oxygen Dynamics in Tokyo Bay, Japan""A Modeling Study of Hydrodynamic Circulation in a Fjord of the Pacific Northwest"; "Estimating Dissolved Oxygen Depletion from Anthropogenic and Riverine Loading Using a Three-Dimensional Water Quality Model"; "Inundation Modeling"; "Bare Earth LiDAR to Gridded Topography for the Pascagoula River, MS: An Accuracy Assessment"; "Generating Numerical Model Grids Using Light Detection and Ranging (LiDAR) Data"; "Conceptual Model for Back-Bay Inundations"
"Model Grids and Support Tools""Implementation of a Hybrid Laplacian Filter in SLOSH to Suppress Numerical Grid Splitting"; "The Coastal Science Educational Virtual Appliance (CSEVA)"; "Approximation of the Effects of Subgrid Variations in Geometry in a Regional Ocean Model"; "Wave and Sediment Transport Modeling"; "Modeling Sediment Disposal in Inshore Waterways of British Columbia, Canada"; "Estimates of Bed Stresses within a Model of Chesapeake Bay"; "Model Sensitivity Studies"
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