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Research Areas

Physical Oceanography, Hydromechanics, Groundwater Engineering, Coastal Engineering

Articles Published in Journals That Entered SCI, SSCI and AHCI Indexes

- I. **Modeling the Dynamics of Small-Scale River and Creek Plumes in Tidal Waters**
Basdurak N. B. , Largier J. L. , Nidziedo N. J.
JOURNAL OF GEOPHYSICAL RESEARCH-OCEANS, vol.125, no.7, 2020 (Journal Indexed in SCI)
- II. **Parameterization of mixing by secondary circulation in estuaries**
Basdurak N. B. , Huguenard K. D. , Valle-Levinson A., Li M., Chant R. J.
JOURNAL OF GEOPHYSICAL RESEARCH-OCEANS, vol.122, no.7, pp.5666-5688, 2017 (Journal Indexed in SCI)
- III. **Salinity inversions in the thermocline under upwelling favorable winds**
Burchard H., Basdurak N. B. , Graewe U., Knoll M., Mohrholz V., Mueller S.
GEOPHYSICAL RESEARCH LETTERS, vol.44, no.3, pp.1422-1428, 2017 (Journal Indexed in SCI)
- IV. **Lateral structure of tidal asymmetry in vertical mixing and its impact on exchange flow in a coastal plain estuary**
Basdurak N. B. , Valle-Levinson A., Cheng P.
CONTINENTAL SHELF RESEARCH, vol.64, pp.20-32, 2013 (Journal Indexed in SCI)
- V. **Tidal variability of lateral advection in a coastal plain estuary**
Basdurak N. B. , Valle-Levinson A.
CONTINENTAL SHELF RESEARCH, pp.85-97, 2013 (Journal Indexed in SCI)
- VI. **Influence of Advective Accelerations on Estuarine Exchange at a Chesapeake Bay Tributary**
Basdurak N. B. , Valle-Levinson A.
JOURNAL OF PHYSICAL OCEANOGRAPHY, vol.42, no.10, pp.1617-1634, 2012 (Journal Indexed in SCI)

Articles Published in Other Journals

- I. **Analysis of techniques to limit saltwater intrusion in coastal aquifers**
Basdurak N. B. , Onder H., Motz L. H.
Restoring Our Natural Habitat - Proceedings of the 2007 World Environmental and Water Resources Congress, 2007 (Refereed Journals of Other Institutions)

Citations

Total Citations (WOS):38

h-index (WOS):4