

# Jessica R Lacy

## List of Publications by Year in descending order

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Version: 2024-02-01

22  
papers

620  
citations

623734

14  
h-index

677142

22  
g-index

22  
all docs

22  
docs citations

22  
times ranked

656  
citing authors

| #  | ARTICLE   | IF  | CITATIONS |
|----|---|-----|-----------|
| 1  | Wind-enhanced resuspension in the shallow waters of South San Francisco Bay: Mechanisms and potential implications for cohesive sediment transport. <i>Journal of Geophysical Research</i> , 2010, 115, . | 3.3 | 77        |
| 2  | Secondary currents in a curved, stratified, estuarine channel. <i>Journal of Geophysical Research</i> , 2001, 106, 31283-31302.   | 3.3 | 70        |
| 3  | Interaction of lateral baroclinic forcing and turbulence in an estuary. <i>Journal of Geophysical Research</i> , 2003, 108, .   | 3.3 | 70        |
| 4  | The influence of current speed and vegetation density on flow structure in two macrotidal eelgrass canopies. <i>Limnology &amp; Oceanography</i> Fluids & Environments, 2011, 1, 38-55.                   | 1.7 | 55        |
| 5  | Shear velocity estimates on the inner shelf off Grays Harbor, Washington, USA. <i>Continental Shelf Research</i> , 2006, 26, 1995-2018.   | 1.8 | 50        |
| 6  | Interactions between waves, sediment, and turbulence on a shallow estuarine mudflat. <i>Journal of Geophysical Research: Oceans</i> , 2014, 119, 1534-1553.   | 2.6 | 47        |
| 7  | Accuracy of a Pulse-Coherent Acoustic Doppler Profiler in a Wave-Dominated Flow. <i>Journal of Atmospheric and Oceanic Technology</i> , 2004, 21, 1448-1461.  | 1.3 | 30        |
| 8  | Currents, drag, and sediment transport induced by a tsunami. <i>Journal of Geophysical Research</i> , 2012, 117, .  | 3.3 | 30        |
| 9  | Bed forms created by simulated waves and currents in a large flume. <i>Journal of Geophysical Research</i> , 2007, 112, .   | 3.3 | 26        |
| 10 | The Influence of Wave Energy and Sediment Transport on Seagrass Distribution. <i>Estuaries and Coasts</i> , 2012, 35, 92-108.   | 2.2 | 24        |
| 11 | Lateral Baroclinic Forcing Enhances Sediment Transport from Shallows to Channel in an Estuary. <i>Estuaries and Coasts</i> , 2014, 37, 1058-1077.   | 2.2 | 22        |
| 12 | Estimating hydrodynamic roughness in a wave-dominated environment with a high-resolution acoustic Doppler profiler. <i>Journal of Geophysical Research</i> , 2005, 110, .                                 | 3.3 | 21        |
| 13 | Wave attenuation in the shallows of San Francisco Bay. <i>Coastal Engineering</i> , 2016, 114, 159-168.   | 4.0 | 18        |
| 14 | Three-dimensional Modeling of Fine Sediment Transport by Waves and Currents in a Shallow Estuary. <i>Journal of Geophysical Research: Oceans</i> , 2018, 123, 4177-4199.                                  | 2.6 | 18        |
| 15 | Seasonal Variation in Sediment Delivery Across the Bay-Marsh Interface of an Estuarine Salt Marsh. <i>Journal of Geophysical Research: Oceans</i> , 2020, 125, e2019JC015268.                             | 2.6 | 14        |
| 16 | Carbon storage and sediment trapping by <i>Egeria densa</i> Planch., a globally invasive, freshwater macrophyte. <i>Science of the Total Environment</i> , 2021, 755, 142602.                             | 8.0 | 13        |
| 17 | Model-based interpretation of sediment concentration and vertical flux measurements in a shallow estuarine environment. <i>Limnology and Oceanography</i> , 2015, 60, 463-481.                            | 3.1 | 11        |
| 18 | Seasonal, Spring-Neap, and Tidal Variation in Cohesive Sediment Transport Parameters in Estuarine Shallows. <i>Journal of Geophysical Research: Oceans</i> , 2019, 124, 7265-7284.                        | 2.6 | 8         |

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|----|--|-----|-----------|
| 19 | The influence of neapâ€“spring tidal variation and wave energy on sediment flux in salt marsh tidal creeks. <i>Earth Surface Processes and Landforms</i> , 2018, 43, 2384-2396.  | 2.5 | 6         |
| 20 | Influence of Invasive Submerged Aquatic Vegetation (<i>E. densa</i>) on Currents and Sediment Transport in a Freshwater Tidal System. <i>Water Resources Research</i> , 2021, 57, e2020WR028789.                       | 4.2 | 4         |
| 21 | Cohesive Sediment Modeling in a Shallow Estuary: Model and Environmental Implications of Sediment Parameter Variation. <i>Journal of Geophysical Research: Oceans</i> , 2021, 126, e2021JC017219.                      | 2.6 | 4         |
| 22 | Numerical Simulation of the Boundary Layer Flow Generated in Monterey Bay, California, by the 2010 Chilean Tsunami: Case Study. <i>Journal of Waterway, Port, Coastal and Ocean Engineering</i> , 2021, 147, 05021012. | 1.2 | 2         |