# James T Morris

List of Publications by Year
in descending order

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|---|---|---|---|
| 77<br>papers | 6,696<br>citations | 81889<br>39<br>h-index | 85537<br>71<br>g-index |
| 79<br>all docs | 79<br>docs citations | 79<br>times ranked | 4287<br>citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | Spatiotemporal Mapping of Salt Marshes in the Intertidal Zone of China during 1985â€“2019. Journal of Remote Sensing, 2022, 2022, . | 6.7 | 20 |
| 2 | Biomass allocation of tidal freshwater marsh species in response to natural and manipulated hydroperiod in coastal deltaic floodplains. Estuarine, Coastal and Shelf Science, 2022, 268, 107784. | 2.1 | 2 |
| 3 | Can Coastal Habitats Rise to the Challenge? Resilience of Estuarine Habitats, Carbon Accumulation, and Economic Value to Sea-Level Rise in a Puget Sound Estuary. Estuaries and Coasts, 2022, 45, 2293-2309. | 2.2 | 6 |
| 4 | How Plants Influence Resilience of Salt Marsh and Mangrove Wetlands to Sea-Level Rise. Estuaries and Coasts, 2021, 44, 883-898. | 2.2 | 83 |
| 5 | Ecogeomorphology of Salt Marshes. , 2021, , . | | 0 |
| 6 | Coastal Wetland Resilience, Accelerated Seaâ€Level Rise, and the Importance of Timescale. AGU Advances, 2021, 2, e2020AV000334. | 5.4 | 46 |
| 7 | Marsh Equilibrium Theory. , 2021, , 157-177. | | 6 |
| 8 | RGB Indices and Canopy Height Modelling for Mapping Tidal Marsh Biomass from a Small Unmanned Aerial System. Remote Sensing, 2021, 13, 3406. | 4.0 | 8 |
| 9 | Beneficial Use Decision Support for Wetlands: Case Study for Mobile Bay, Alabama. Journal of Waterway, Port, Coastal and Ocean Engineering, 2021, 147, . | 1.2 | 2 |
| 10 | Past, present, and future nuisance flooding on the Charleston peninsula. PLoS ONE, 2020, 15, e0238770. | 2.5 | 10 |
| 11 | Tidal and Hurricane Impacts on Saltmarshes in the Northeastern Coastal and Barrier Network: Theory and Empirical Results. Estuaries and Coasts, 2020, 43, 1658-1671. | 2.2 | 10 |
| 12 | Identifying marsh dieback events from Landsat image series (1998â€“2018) with an Autoencoder in the NIWB estuary, South Carolina. International Journal of Digital Earth, 2020, 13, 1467-1483. | 3.9 | 10 |
| 13 | Coastal Erosion and Land Loss: Causes and Impacts. Coastal Research Library, 2019, , 137-150. | 0.4 | 2 |
| 14 | Supporting Spartina: Interdisciplinary perspective shows Spartina as a distinct solid genus. Ecology, 2019, 100, e02863. | 3.2 | 39 |
| 15 | Estimating Aboveground Biomass and Its Spatial Distribution in Coastal Wetlands Utilizing Planet Multispectral Imagery. Remote Sensing, 2019, 11, 2020. | 4.0 | 27 |
| 16 | Tidal and Meteorological Influences on the Growth of Invasive Spartina alterniflora: Evidence from UAV Remote Sensing. Remote Sensing, 2019, 11, 1208. | 4.0 | 46 |
| 17 | Short-term effect of simulated salt marsh restoration by sand-amendment on sediment bacterial communities. PLoS ONE, 2019, 14, e0215767. | 2.5 | 11 |
| 18 | Changes in poreâ€water chemistry and methane emission following the invasion of Spartina alterniflora into an oliogohaline marsh. Limnology and Oceanography, 2018, 63, 384-396. | 3.1 | 36 |

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|---|---|---|---|
| 19 | Modeling impacts of sea-level rise, oil price, and management strategy on the costs of sustaining Mississippi delta marshes with hydraulic dredging. Science of the Total Environment, 2018, 618, 1547-1559. | 8.0 | 17 |
| 20 | Uncertainty in United States coastal wetland greenhouse gas inventorying. Environmental Research Letters, 2018, 13, 115005. | 5.2 | 40 |
| 21 | Dynamic responses and implications to coastal wetlands and the surrounding regions under sea level rise. PLoS ONE, 2018, 13, e0205176. | 2.5 | 77 |
| 22 | Global DNA cytosine methylation variation in Spartina alterniflora at North Inlet, SC. PLoS ONE, 2018, 13, e0203230. | 2.5 | 0 |
| 23 | Lateral Marsh Edge Erosion as a Source of Sediments for Vertical Marsh Accretion. Journal of Geophysical Research G: Biogeosciences, 2018, 123, 2444-2465. | 3.0 | 104 |
| 24 | Accuracy and Precision of Tidal Wetland Soil Carbon Mapping in the Conterminous United States. Scientific Reports, 2018, 8, 9478. | 3.3 | 80 |
| 25 | Regulation of salt marsh mosquito populations by the 18.6â€yr lunarâ€nodal cycle. Ecology, 2017, 98, 2059-2068. | 3.2 | 5 |
| 26 | Impacts of Fertilization and Tidal Inundation on Elevation Change in Microtidal, Low Relief Salt Marshes. Estuaries and Coasts, 2017, 40, 1677-1687. | 2.2 | 28 |
| 27 | Modeled CO2 Emissions from Coastal Wetland Transitions to Other Land Uses: Tidal Marshes, Mangrove Forests, and Seagrass Beds. Frontiers in Marine Science, 2017, 4, . | 2.5 | 85 |
| 28 | Mapping salt marsh dieback and condition in South Carolinaâ€™s North Inlet-Winyah Bay National Estuarine Research Reserve using remote sensing. AIMS Environmental Science, 2017, 4, 677-689. | 1.4 | 12 |
| 29 | Coastal wetland response to seaâ€level rise in a fluvial estuarine system. Earth's Future, 2016, 4, 483-497. | 6.3 | 71 |
| 30 | Forecasting tidal marsh elevation and habitat change through fusion of Earth observations and a process model. Ecosphere, 2016, 7, e01582. | 2.2 | 14 |
| 31 | Contributions of organic and inorganic matter to sediment volume and accretion in tidal wetlands at steady state. Earth's Future, 2016, 4, 110-121. | 6.3 | 215 |
| 32 | A coupled, two-dimensional hydrodynamic-marsh model with biological feedback. Ecological Modelling, 2016, 327, 29-43. | 2.5 | 85 |
| 33 | Global environmental change and the nature of aboveground net primary productivity responses: insights from long-term experiments. Oecologia, 2015, 177, 935-947. | 2.0 | 48 |
| 34 | Nutrient Effects on Belowground Organic Matter in a Minerogenic Salt Marsh, North Inlet, SC. Estuaries and Coasts, 2015, 38, 1838-1853. | 2.2 | 30 |
| 35 | Ulva additions alter soil biogeochemistry and negatively impact Spartina alterniflora growth. Marine Ecology - Progress Series, 2015, 532, 59-72. | 1.9 | 21 |
| 36 | Modeling Tidal Marsh Distribution with Sea-Level Rise: Evaluating the Role of Vegetation, Sediment, and Upland Habitat in Marsh Resiliency. PLoS ONE, 2014, 9, e88760. | 2.5 | 156 |

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|---|---|---|---|
| 37 | The Influence of Nutrients on the Coastal Wetlands of the Mississippi Delta. Estuaries of the World, 2014, , 111-123. | 0.1 | 8 |
| 38 | Brinson Review: Perspectives on the Influence of Nutrients on the Sustainability of Coastal Wetlands. Wetlands, 2013, 33, 975-988. | 1.5 | 78 |
| 39 | Marsh macrophyte responses to inundation anticipate impacts of sea-level rise and indicate ongoing drowning of North Carolina marshes. Marine Biology, 2013, 160, 181-194. | 1.5 | 89 |
| 40 | Sea-Level Rise Impact on a Salt Marsh System of the Lower St. Johns River. Journal of Waterway, Port, Coastal and Ocean Engineering, 2013, 139, 118-125. | 1.2 | 35 |
| 41 | Salt Marsh Primary Production and Its Responses to Relative Sea Level and Nutrients in Estuaries at Plum Island, Massachusetts, and North Inlet, South Carolina, USA. Oceanography, 2013, 26, 78-84. | 1.0 | 150 |
| 42 | Hydrologic variability in a salt marsh: Assessing the links between drought and acute marsh dieback. Estuarine, Coastal and Shelf Science, 2012, 111, 95-106. | 2.1 | 59 |
| 43 | Assessment of Carbon Sequestration Potential in Coastal Wetlands. , 2012, , 517-531. | | 28 |
| 44 | The influence of tidal forcing on groundwater flow and nutrient exchange in a salt marsh-dominated estuary. Biogeochemistry, 2012, 108, 27-38. | 3.5 | 96 |
| 45 | Use of computed tomography imaging for quantifying coarse roots, rhizomes, peat, and particle densities in marsh soils. , 2011, 21, 2156-2171. | | 34 |
| 46 | How does vegetation affect sedimentation on tidal marshes? Investigating particle capture and hydrodynamic controls on biologically mediated sedimentation. Journal of Geophysical Research, 2010, 115, . | 3.3 | 230 |
| 47 | Limits on the adaptability of coastal marshes to rising sea level. Geophysical Research Letters, 2010, 37, . | 4.0 | 613 |
| 48 | Variability in dimethylsulfoniopropionate (DMSP) concentrations in Spartina alterniflora and the effect on Littoraria irrorata. Marine Ecology - Progress Series, 2010, 406, 47-55. | 1.9 | 6 |
| 49 | Impact of dynamic feedbacks between sedimentation, sea-level rise, and biomass production on near-surface marsh stratigraphy and carbon accumulation. Estuarine, Coastal and Shelf Science, 2009, 82, 377-389. | 2.1 | 253 |
| 50 | Nutrient cycling relative to Î´15N and Î´13C natural abundance in a coastal wetland with long-term nutrient additions. Aquatic Ecology, 2009, 43, 803-813. | 1.5 | 11 |
| 51 | Latitudinal trends in Spartina alterniflora productivity and the response of coastal marshes to global change. Global Change Biology, 2009, 15, 1982-1989. | 9.5 | 207 |
| 52 | Relationships betweenSpartina alterniflora andLittoraria irrorata in a South Carolina salt marsh. Wetlands, 2009, 29, 818-825. | 1.5 | 24 |
| 53 | Consequences of Climate Change on the Ecogeomorphology of Coastal Wetlands. Estuaries and Coasts, 2008, 31, 477-491. | 2.2 | 280 |
| 54 | Ecological engineering in intertidial saltmarshes. Hydrobiologia, 2007, 577, 161-168. | 2.0 | 40 |

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| 55 | Ecological engineering in intertidial saltmarshes. , 2007, , 161-168. | | 7 |
| 56 | Estimating Net Primary Production of Salt Marsh Macrophytes. , 2007, , 106-119. | | 28 |
| 57 | Competition among marsh macrophytes by means of geomorphological displacement in the intertidal zone. Estuarine, Coastal and Shelf Science, 2006, 69, 395-402. | 2.1 | 81 |
| 58 | Integrating LIDAR elevation data, multiâ€spectral imagery and neural network modelling for marsh characterization. International Journal of Remote Sensing, 2005, 26, 5221-5234. | 2.9 | 111 |
| 59 | Dimethylsulphoniopropionate (DMSP) and related compounds in higher plants. Journal of Experimental Botany, 2004, 55, 1919-1925. | 4.8 | 120 |
| 60 | Relationships among Water-Quality Parameters from the North Inletâ€“Winyah Bay National Estuarine Research Reserve, South Carolina. Journal of Coastal Research, 2004, 10045, 59-74. | 0.3 | 34 |
| 61 | RESPONSES OF COASTAL WETLANDS TO RISING SEA LEVEL. Ecology, 2002, 83, 2869-2877. | 3.2 | 1,353 |
| 62 | Phosphorus sorption characteristics of intertidal marsh sediments along an estuarine salinity gradient. Limnology and Oceanography, 1999, 44, 1693-1701. | 3.1 | 122 |
| 63 | Effects of nutrient loading on the carbon balance of coastal wetland sediments. Limnology and Oceanography, 1999, 44, 699-702. | 3.1 | 113 |
| 64 | Seasonal variation in the regulation of phytoplankton by nitrogen and grazing in a salt-smarsh estuary. Limnology and Oceanography, 1998, 43, 636-646. | 3.1 | 87 |
| 65 | The Mass Balance of Salt and Water in Intertidal Sediments: Results from North Inlet, South Carolina. Estuaries and Coasts, 1995, 18, 556. | 1.7 | 69 |
| 66 | Dimethylsulphoniopropionate (DMSP) in Spartina alterniflora Loisel. Aquatic Botany, 1994, 48, 239-259. | 1.6 | 65 |
| 67 | Influence of Oxygen and Sulfide Concentration on Nitrogen Uptake Kinetics in Spartina Alterniflora. Ecology, 1990, 71, 282-287. | 3.2 | 161 |
| 68 | A 5-yr Record of Aerial Primary Production and Stand Characteristics of Spartina Alterniflora. Ecology, 1990, 71, 2209-2217. | 3.2 | 196 |
| 69 | Modelling light distribution within the canopy of the marsh grass Spartina alterniflora as a function of canopy biomass and solar angle. Agricultural and Forest Meteorology, 1989, 46, 349-361. | 4.8 | 30 |
| 70 | A Mechanistic, Numerical Model of Sedimentation, Mineralization, and Decomposition for Marsh Sediments. Soil Science Society of America Journal, 1986, 50, 96-105. | 2.2 | 91 |
| 71 | Decomposition and nutrient dynamics of litter from four species of freshwater emergent macrophytes. Hydrobiologia, 1986, 131, 215-223. | 2.0 | 49 |
| 72 | Emission of Gaseous Carbon Dioxide from Salt-Marsh Sediments and Its Relation to Other Carbon Losses. Estuaries and Coasts, 1986, 9, 9. | 1.7 | 67 |

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|---|---|---|---|
| 73 | EFFECTS OF O<sub>2</sub> ON AMMONIUM UPTAKE AND ROOT RESPIRATION BY SPARTINA ALTERNIFLORA. American Journal of Botany, 1984, 71, 979-985. | 1.7 | 64 |
| 74 | Theoretical limits of belowground production by Spartina alterniflora: An analysis through modelling. Ecological Modelling, 1984, 26, 155-175. | 2.5 | 17 |
| 75 | Effects of oxygen and salinity on ammonium uptake by Spartina alterniflora Loisel. and Spartina patens (Aiton) Muhl.. Journal of Experimental Marine Biology and Ecology, 1984, 78, 87-98. | 1.5 | 49 |
| 76 | Effects of O 2 on Ammonium Uptake and Root Respiration by Spartina alterniflora. American Journal of Botany, 1984, 71, 979. | 1.7 | 26 |
| 77 | A Model of Growth Responses by Spartina Alterniflora to Nitrogen Limitation. Journal of Ecology, 1982, 70, 25. | 4.0 | 50 |