

# Prediction of velocity profiles and longitudinal dispersi

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Citation Report

#	ARTICLE	IF	CITATIONS
1	Prediction of near-field shear dispersion in an emergent canopy with heterogeneous morphology. <i>Environmental Fluid Mechanics</i> , 2006, 6, 477-488.	0.7	70
2	Stratified flow interactions with a suspended canopy. <i>Environmental Fluid Mechanics</i> , 2006, 6, 519-539.	0.7	49
3	A DELICATE BALANCE: ECOHYDROLOGICAL FEEDBACKS GOVERNING LANDSCAPE MORPHOLOGY IN A LOTIC PEATLAND. <i>Ecological Monographs</i> , 2007, 77, 591-614.	2.4	109
4	Model and laboratory study of dispersion in flows with submerged vegetation. <i>Water Resources Research</i> , 2007, 43, .	1.7	158
5	Retention time and dispersion associated with submerged aquatic canopies. <i>Water Resources Research</i> , 2007, 43, .	1.7	217
6	Challenges in humid land ecohydrology: Interactions of water table and unsaturated zone with climate, soil, and vegetation. <i>Water Resources Research</i> , 2007, 43, .	1.7	109
7	Mixing in deep zones within constructed treatment wetlands. <i>Ecological Engineering</i> , 2007, 29, 209-220.	1.6	21
8	Interaction between flow, transport and vegetation spatial structure. <i>Environmental Fluid Mechanics</i> , 2008, 8, 423-439.	0.7	208
9	Flow and transport in channels with submerged vegetation. <i>Acta Geophysica</i> , 2008, 56, 753-777.	1.0	257
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11	Is the critical Shields stress for incipient sediment motion dependent on channel-bed slope?. <i>Journal of Geophysical Research</i> , 2008, 113, .	3.3	364
12	Overland flow velocity and roughness properties in peatlands. <i>Water Resources Research</i> , 2008, 44, .	1.7	90
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17	Toward developing a hydrodynamic flow and inundation model of the lower Pearl River. , 2009, , .		7
18	Effects of warming and altered precipitation on plant and nutrient dynamics of a New England salt marsh. <i>Ecological Applications</i> , 2009, 19, 1758-1773.	1.8	123

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19	Flow Structure of Partly Vegetated Open-Channel Flows with Eelgrass. <i>Journal of Hydrodynamics</i> , 2009, 21, 301-307.	1.3	39
20	Modeling the hydraulic effect of transverse deep zones on the performance of short-circuiting constructed treatment wetlands. <i>Ecological Engineering</i> , 2009, 35, 754-768.	1.6	25
21	Predicting bed shear stress and its role in sediment dynamics and restoration potential of the Everglades and other vegetated flow systems. <i>Ecological Engineering</i> , 2009, 35, 1773-1785.	1.6	38
22	The Hydrodynamics of Chemical Cues Among Aquatic Organisms. <i>Annual Review of Fluid Mechanics</i> , 2009, 41, 73-90.	10.8	114
23	Tracer studies of sheet flow in the Florida Everglades. <i>Geophysical Research Letters</i> , 2009, 36, .	1.5	14
24	Hydroecological factors governing surface water flow on a low-€gradient floodplain. <i>Water Resources Research</i> , 2009, 45, .	1.7	66
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38	Depth-Averaged Drag Coefficient for Modeling Flow through Suspended Canopies. <i>Journal of Hydraulic Engineering</i> , 2011, 137, 234-247.	0.7	86
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40	Modeling of hydroecological feedbacks predicts distinct classes of landscape pattern, process, and restoration potential in shallow aquatic ecosystems. <i>Geomorphology</i> , 2011, 126, 279-296.	1.1	75
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46	Multi-scale analysis for environmental dispersion in wetland flow. <i>Communications in Nonlinear Science and Numerical Simulation</i> , 2011, 16, 3168-3178.	1.7	72
47	Numerical models of salt marsh evolution: Ecological, geomorphic, and climatic factors. <i>Reviews of Geophysics</i> , 2012, 50, .	9.0	511
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54	Diffusion of floating particles in flow through emergent vegetation: Further experimental investigation. <i>Water Resources Research</i> , 2012, 48, .	1.7	20

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56	Environmental dispersion in a tidal flow through a depth-dominated wetland. <i>Communications in Nonlinear Science and Numerical Simulation</i> , 2012, 17, 5007-5025.	1.7	52
57	Dispersion in Submerged Vegetated Flow with Coherent Vortices. <i>Journal of Hydrologic Engineering - ASCE</i> , 2012, 17, 1-9.	0.8	7
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70	Field observations of wave-induced streaming through a submerged seagrass ( <i>Posidonia</i> ) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 182	1.0	48
71	Hydrologic and Vegetative Removal of <i>Cryptosporidium parvum</i> , <i>Giardia lamblia</i> , and <i>Toxoplasma gondii</i> Surrogate Microspheres in Coastal Wetlands. <i>Applied and Environmental Microbiology</i> , 2013, 79, 1859-1865.	1.4	20
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75	Ecogeomorphic feedbacks and flood loss of riparian tree seedlings in meandering channel experiments. <i>Water Resources Research</i> , 2014, 50, 9366-9384.	1.7	50
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80	A contaminant transport model for wetlands accounting for distinct residence time bimodality. <i>Journal of Hydrology</i> , 2014, 515, 237-246.	2.3	25
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87	Flume experiments on wind induced flow in static water bodies in the presence of protruding vegetation. <i>Advances in Water Resources</i> , 2015, 76, 11-28.	1.7	27
88	When do plants modify fluvial processes? Plantâ€hydraulic interactions under variable flow and sediment supply rates. <i>Journal of Geophysical Research F: Earth Surface</i> , 2015, 120, 325-345.	1.0	64
89	Effects of vegetation on flow and sediment transport: comparative analyses and validation of predicting models. <i>Earth Surface Processes and Landforms</i> , 2015, 40, 157-176.	1.2	152
90	Two-scale analysis for environmental dispersion in a two-layer wetland. <i>Physics and Chemistry of the Earth</i> , 2015, 89-90, 91-95.	1.2	2
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98	Scour patterns around isolated vegetation elements. <i>Advances in Water Resources</i> , 2016, 97, 251-265.	1.7	45
99	Efficient three-dimensional reconstruction of aquatic vegetation geometry: Estimating morphological parameters influencing hydrodynamic drag. <i>Estuarine, Coastal and Shelf Science</i> , 2016, 178, 77-85.	0.9	19
100	Plant stiffness and biomass as drivers for drag forces under extreme wave loading: A flume study on mimics. <i>Coastal Engineering</i> , 2016, 117, 70-78.	1.7	54
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110	Transverse and longitudinal mixing in real emergent vegetation at low velocities. <i>Water Resources Research</i> , 2017, 53, 961-978.	1.7	33

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112	What Controls the Transition from Confined to Unconfined Flow? Analysis of Hydraulics in a Coastal River Delta. <i>Journal of Hydraulic Engineering</i> , 2017, 143, .	0.7	30
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115	The effect of pneumatophore density on turbulence: A field study in a <i>Sonneratia</i> -dominated mangrove forest, Vietnam. <i>Continental Shelf Research</i> , 2017, 147, 114-127.	0.9	69
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119	Assessing methods for estimating roughness coefficient in a vegetated marsh area using Delft3D. <i>Journal of Hydroinformatics</i> , 2017, 19, 766-783.	1.1	6
120	Interactive Effects of Physical and Biogeochemical Feedback Processes in a Large Submersed Plant Bed. <i>Estuaries and Coasts</i> , 2017, 40, 1626-1641.	1.0	14
121	Vertical mixing in coastal canopies. <i>Limnology and Oceanography</i> , 2017, 62, 26-42.	1.6	18
122	A comparative study of longitudinal dispersion models in rigid vegetated compound meandering channels. <i>Journal of Environmental Management</i> , 2018, 217, 78-89.	3.8	21
123	Channel-Island Connectivity Affects Water Exposure Time Distributions in a Coastal River Delta. <i>Water Resources Research</i> , 2018, 54, 2212-2232.	1.7	43
124	Evaluation of a random displacement model for predicting longitudinal dispersion in flow through suspended canopies. <i>Ecological Engineering</i> , 2018, 116, 133-142.	1.6	16
125	A simplified method for estimating the longitudinal dispersion coefficient in ecological channels with vegetation. <i>Ecological Indicators</i> , 2018, 92, 91-98.	2.6	26
126	Vortex Structure and Sediment Deposition in the Wake behind a Finite Patch of Model Submerged Vegetation. <i>Journal of Hydraulic Engineering</i> , 2018, 144, .	0.7	64
127	Inorganic carbon and oxygen dynamics in a marsh-dominated estuary. <i>Limnology and Oceanography</i> , 2018, 63, 47-71.	1.6	29
128	The importance of riparian plant orientation in river flow: implications for flow structures and drag. <i>Journal of Ecohydraulics</i> , 2018, 3, 108-129.	1.6	1



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130	A Turbulence-Based Bed-Load Transport Model for Bare and Vegetated Channels. <i>Geophysical Research Letters</i> , 2018, 45, 10,428.	1.5	60
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133	Longitudinal dispersion coefficient in compound open channel with rigid vegetation on flood plain. <i>E3S Web of Conferences</i> , 2018, 40, 02058.	0.2	1
134	The trouble with shear stress. <i>Geomorphology</i> , 2018, 323, 41-50.	1.1	45
135	Modeling the odor-landscape resulting from the pumping behavior of bivalve clams in the presence of predators. <i>Journal of Theoretical Biology</i> , 2018, 453, 40-47.	0.8	2
136	Distribution of gyrotactic micro-organisms in a complex three-dimensional flows. Part 1. Horizontal shear flow past a vertical circular cylinder. <i>Journal of Fluid Mechanics</i> , 2018, 852, 358-397.	1.4	27
137	Hydrodynamic behaviour of European black poplar ( <i>Populus nigra</i> L.) under coppice management along Mediterranean river ecosystems. <i>River Research and Applications</i> , 2018, 34, 586-594.	0.7	14
138	Environmental transport in wetland channel with rectangular cross-section: Analytical solution by Chatwin's asymptotic expansion. <i>Journal of Hydrology</i> , 2018, 565, 224-236.	2.3	11
139	Modeling of Interactions Between Floating Particles and Emergent Stems in Slow Open Channel Flow. <i>Water Resources Research</i> , 2018, 54, 7061-7075.	1.7	7
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148	Solute dispersion in wetland flows with bed absorption. <i>Journal of Hydrology</i> , 2019, 579, 124149.	2.3	21
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155	Can environmental flows moderate riparian invasions? The influence of seedling morphology and density on scour losses in experimental floods. <i>Freshwater Biology</i> , 2019, 64, 474-484.	1.2	7
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157	Simplification bias: lessons from laboratory and field experiments on flow through aquatic vegetation. <i>Earth Surface Processes and Landforms</i> , 2020, 45, 121-143.	1.2	47
158	Contaminant transport in wetland flows: Different fate between the upper and bottom layers. <i>Journal of Cleaner Production</i> , 2020, 246, 119040.	4.6	9
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160	Velocity distribution and turbulence structure of open channel flow with floating-leaved vegetation. <i>Journal of Hydrology</i> , 2020, 590, 125298.	2.3	8
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