

Patricia L Wiberg

List of Publications by Year in descending order

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41
papers

2,729
citations

201674

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38
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docs citations

43
times ranked

2371
citing authors

#	ARTICLE	IF	CITATIONS
1	Seasonal growth and senescence of seagrass alters sediment accumulation rates and carbon burial in a coastal lagoon. <i>Limnology and Oceanography</i> , 2022, 67, 1931-1942.	3.1	3
2	Quantifying Seasonal Seagrass Effects on Flow and Sediment Dynamics in a Back-Barrier Bay. <i>Journal of Geophysical Research: Oceans</i> , 2021, 126, e2020JC016547.	2.6	18
3	Processes Influencing Marsh Elevation Change in Low- and High-Elevation Zones of a Temperate Salt Marsh. <i>Estuaries and Coasts</i> , 2021, 44, 818-833.	2.2	19
4	Predicting benthic macroalgal abundance in shallow coastal lagoons from geomorphology and hydrologic flow patterns. <i>Limnology and Oceanography</i> , 2021, 66, 123-140.	3.1	7
5	Ecogeomorphology of Salt Marshes. , 2021, , .		0
6	Improving Predictions of Salt Marsh Evolution Through Better Integration of Data and Models. <i>Annual Review of Marine Science</i> , 2020, 12, 389-413.	11.6	49
7	Depth Affects Seagrass Restoration Success and Resilience to Marine Heat Wave Disturbance. <i>Estuaries and Coasts</i> , 2020, 43, 316-328.	2.2	34
8	Wave Attenuation by Oyster Reefs in Shallow Coastal Bays. <i>Estuaries and Coasts</i> , 2019, 42, 331-347.	2.2	63
9	Controls on Sediment Suspension, Flux, and Marsh Deposition near a Bay-Marsh Boundary. <i>Estuaries and Coasts</i> , 2019, 42, 403-424.	2.2	21
10	Exploring the Impacts of Seagrass on Coupled Marsh-Tidal Flat Morphodynamics. <i>Frontiers in Environmental Science</i> , 2018, 6, .	3.3	15
11	Intense Storms Increase the Stability of Tidal Bays. <i>Geophysical Research Letters</i> , 2018, 45, 5491-5500.	4.0	48
12	Tradeoffs among hydrodynamics, sediment fluxes and vegetation community in the Virginia Coast Reserve, USA. <i>Estuarine, Coastal and Shelf Science</i> , 2018, 210, 98-108.	2.1	39
13	Spatially explicit feedbacks between seagrass meadow structure, sediment and light: Habitat suitability for seagrass growth. <i>Advances in Water Resources</i> , 2016, 93, 315-325.	3.8	39
14	Quantifying the distribution and influence of non-uniform bed properties in shallow coastal bays. <i>Limnology and Oceanography: Methods</i> , 2015, 13, 746-762.	2.0	28
15	Rates and Forcing of Marsh Edge Erosion in a Shallow Coastal Bay. <i>Estuaries and Coasts</i> , 2015, 38, 620-638.	2.2	90
16	Fluxes of water, sediments, and biogeochemical compounds in salt marshes. <i>Ecological Processes</i> , 2013, 2, .	3.9	82
17	Seasonal variations in erodibility and sediment transport potential in a mesotidal channel-flat complex, Willapa Bay, WA. <i>Continental Shelf Research</i> , 2013, 60, S185-S197.	1.8	35
18	Marsh Collapse Does Not Require Sea Level Rise. <i>Oceanography</i> , 2013, 26, 70-77.	1.0	149

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19	Sediment transport on the Palos Verdes shelf, California. <i>Continental Shelf Research</i> , 2010, 30, 761-780.	1.8	42
20	Controls on the degree of fluvial incision of continental shelves. <i>Computers and Geosciences</i> , 2008, 34, 1381-1393.	4.2	10
21	Calculating wave-generated bottom orbital velocities from surface-wave parameters. <i>Computers and Geosciences</i> , 2008, 34, 1243-1262.	4.2	198
22	Eddy correlation flux measurements: The sediment surface area that contributes to the flux. <i>Limnology and Oceanography</i> , 2007, 52, 1672-1684.	3.1	118
23	Character, fate, and biological effects of contaminated, effluent-affected sediment on the Palos Verdes margin, southern California: an overview. <i>Continental Shelf Research</i> , 2002, 22, 835-840.	1.8	18
24	The dynamics of subtidal poleward flows over a narrow continental shelf, Palos Verdes, CA. <i>Continental Shelf Research</i> , 2002, 22, 923-944.	1.8	34
25	Sediment transport on the Palos Verdes shelf over seasonal to decadal time scales. <i>Continental Shelf Research</i> , 2002, 22, 987-1004.	1.8	42
26	Desorption of p,p'-DDE from sediment during resuspension events on the Palos Verdes shelf, California: a modeling approach. <i>Continental Shelf Research</i> , 2002, 22, 1005-1023.	1.8	36
27	Prediction of the fate of p,p'-DDE in sediment on the Palos Verdes shelf, California, USA. <i>Continental Shelf Research</i> , 2002, 22, 1025-1058.	1.8	41
28	Relative importance of local and regional controls on coupled water, carbon, and energy fluxes. <i>Advances in Water Resources</i> , 2001, 24, 1103-1118.	3.8	62
29	A two-dimensional, time-dependent model of suspended sediment transport and bed reworking for continental shelves. <i>Computers and Geosciences</i> , 2001, 27, 675-690.	4.2	105
30	A Perfect Storm: Formation and Potential for Preservation of Storm Beds on the Continental Shelf. <i>Oceanography</i> , 2000, 13, 93-99.	1.0	74
31	Acoustic measurements of the spatial and temporal structure of the near-bottom boundary layer in the 1990-1991 STRESS experiment. <i>Continental Shelf Research</i> , 1997, 17, 1271-1295.	1.8	14
32	Approaches to quantifying long-term continental shelf sediment transport with an example from the Northern California STRESS mid-shelf site. <i>Continental Shelf Research</i> , 1997, 17, 1389-1418.	1.8	66
33	Sedimentation and Boundary Changes of Virginia Salt Marshes. <i>Estuarine, Coastal and Shelf Science</i> , 1996, 42, 683-700.	2.1	53
34	Linking Sediment Transport and Stratigraphy on the Continental Shelf. <i>Oceanography</i> , 1996, 9, 153-157.	1.0	35
35	A theoretical investigation of boundary layer flow and bottom shear stress for smooth, transitional, and rough flow under waves. <i>Journal of Geophysical Research</i> , 1995, 100, 22667.	3.3	17
36	Sediment resuspension and bed armoring during high bottom stress events on the northern California inner continental shelf: measurements and predictions. <i>Continental Shelf Research</i> , 1994, 14, 1191-1219.	1.8	165

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37	Velocity distribution and bed roughness in high-gradient streams. <i>Water Resources Research</i> , 1991, 27, 825-838.	4.2	198
38	Calculations of the critical shear stress for motion of uniform and heterogeneous sediments. <i>Water Resources Research</i> , 1987, 23, 1471-1480.	4.2	465
39	A comparison of field data and theoretical models for wave-current interactions at the bed on the continental shelf. <i>Continental Shelf Research</i> , 1983, 2, 147-162.	1.8	121
40	Writing a Rosetta Stone: Insights into Continental-Margin Sedimentary Processes and Strata. , 0, , 1-48.		21
41	Prediction of Margin Stratigraphy. , 0, , 459-529.		5