Michael Z Li

List of Publications by Year
in descending order

23 papers	895 citations	516710 16 h-index	642732 23 g-index
71 all docs	71 docs citations	71 times ranked	845 citing authors

#	Article	IF	Citations
1	SEDTRANS96: the upgraded and better calibrated sediment-transport model for continental shelves. Computers and Geosciences, 2001, 27, 619-645.	4.2	118
2	Multibeam bathymetric investigations of the morphology of sand ridges and associated bedforms and their relation to storm processes, Sable Island Bank, Scotian Shelf. Marine Geology, 2007, 243, 200-228.	2.1	66
3	Predicting ripple geometry and bed roughness under combined waves and currents in a continental shelf environment. Continental Shelf Research, 1998, 18, 941-970.	1.8	63
4	Sedtrans05: An improved sediment-transport model for continental shelves and coastal waters with a new algorithm for cohesive sediments. Computers and Geosciences, 2008, 34, 1223-1242.	4.2	61
5	Boundary layer dynamics and drag reduction in flows of high cohesive sediment suspensions. Sedimentology, 2000, 47, 71-86.	3.1	58
6	Boundary layer dynamics and sediment transport under storm and non-storm conditions on the Scotian Shelf. Marine Geology, 1997, 141, 157-181.	2.1	55
7	Field observations of bedforms and sediment transport thresholds of fine sand under combined waves and currents. Marine Geology, 1999, 158, 147-160.	2.1	47
8	Predicting ripple roughness and sand resuspension under combined flows in a shoreface environment. Marine Geology, 1996, 130, 139-161.	2.1	45
9	Sediment transport processes at the head of Halibut Canyon, eastern Canada margin: An interplay between internal tides and dense shelf-water cascading. Marine Geology, 2013, 341, 14-28.	2.1	41
10	SEDTRANS92: A sediment transport model for continental shelves. Computers and Geosciences, 1995, 21, 533-554.	4.2	33
11	Anatomy of the tidal scour system at Minas Passage, Bay of Fundy, Canada. Marine Geology, 2012, 323-325, 123-134.	2.1	33
12	Distribution of subtidal sedimentary bedforms in a macrotidal setting: The Bay of Fundy, Atlantic Canada. Continental Shelf Research, 2014, 83, 64-85.	1.8	30
13	Sediment transport and development of banner banks and sandwaves in an extreme tidal system: Upper Bay of Fundy, Canada. Continental Shelf Research, 2014, 83, 86-107.	1.8	26
14	Modelling seabed shear stress, sediment mobility, and sediment transport in the Bay of Fundy. Canadian Journal of Earth Sciences, 2015, 52, 757-775.	1.3	22
15	Geologic insights from multibeam bathymetry and seascape maps of the Bay of Fundy, Canada. Continental Shelf Research, 2014, 83, 53-63.	1.8	21
16	Intratidal and neap-spring variations of suspended sediment concentrations and sediment transport processes in the North Branch of the Changjiang Estuary. Acta Oceanologica Sinica, 2015, 34, 137-147.	1.0	18
17	Latitudinal Response of Storm Activity to Abrupt Climate Change During the Last 6,500ÂYears. Geophysical Research Letters, 2020, 47, e2020GL089859.	4.0	13
18	A modeling study of the impact of major storms on seabed shear stress and sediment transport on the <scp>G</scp>rand <scp>B</scp>anks of <scp>N</scp>ewfoundland. Journal of Geophysical Research: Oceans, 2017, 122, 4183-4216.	2.6	10

#	Article	IF	Citations
19	A modeling study of the impact of major storms on waves, surface and nearâ€bed currents on the <scp>G</scp>rand <scp>B</scp>anks of <scp>N</scp>ewfoundland. Journal of Geophysical Research: Oceans, 2015, 120, 5358-5386.	2.6	9
20	Sediment Stability and Dispersion at the Black Point Offshore Disposal Site, Saint John Harbour, New Brunswick, Canada. Journal of Coastal Research, 2009, 254, 1025-1040.	0.3	8
21	Modelling Extreme Storm-Induced Currents over the Grand Banks. Atmosphere - Ocean, 2011, 49, 259-268.	1.6	8
22	Seabed disturbance and sediment mobility due to tidal current and waves on the continental shelves of Canada. Canadian Journal of Earth Sciences, 2021, 58, 1209-1232.	1.3	6
23	Chapter 2 Continental shelves of Atlantic Canada. Geological Society Memoir, 2014, 41, 7-19.	1.7	4