Bart Vermeulen

List of Publications by Year
in descending order

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24 papers	838 citations	516710 16 h-index	610901 24 g-index
30 all docs	30 docs citations	30 times ranked	776 citing authors

#	Article	IF	Citations
1	Tidal controls on river delta morphology. Nature Geoscience, 2017, 10, 637-645.	12.9	148
2	Tidal impact on the division of river discharge over distributary channels in the Mahakam Delta. Ocean Dynamics, 2011, 61, 2211-2228.	2.2	87
3	Continuous measurements of discharge from a horizontal acoustic Doppler current profiler in a tidal river. Water Resources Research, 2009, 45, .	4.2	67
4	Impact of sound attenuation by suspended sediment on ADCP backscatter calibrations. Water Resources Research, 2012, 48, .	4.2	62
5	Discharge estimation in a backwater affected meandering river. Hydrology and Earth System Sciences, 2011, 15, 2717-2728.	4.9	52
6	Discharge estimation from Hâ€ADCP measurements in a tidal river subject to sidewall effects and a mobile bed. Water Resources Research, 2011, 47, .	4.2	51
7	Flow structure caused by a local crossâ€sectional area increase and curvature in a sharp river bend. Journal of Geophysical Research F: Earth Surface, 2015, 120, 1771-1783.	2.8	50
8	Distributary channels in the fluvial to tidal transition zone. Journal of Geophysical Research F: Earth Surface, 2017, 122, 696-710.	2.8	49
9	Sediment discharge division at two tidally influenced river bifurcations. Water Resources Research, 2013, 49, 2119-2134.	4.2	35
10	Hydrology of inland tropical lowlands: the Kapuas and Mahakam wetlands. Hydrology and Earth System Sciences, 2017, 21, 2579-2594.	4.9	27
11	Preliminary results of a finite-element, multi-scale model of the Mahakam Delta (Indonesia). Ocean Dynamics, 2011, 61, 1107-1120.	2.2	26
12	Sharp bends associated with deep scours in a tropical river: The river Mahakam (East Kalimantan,) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50	2.8	24
13	Prerequisites for Accurate Monitoring of River Discharge Based on Fixedâ€Location Velocity Measurements. Water Resources Research, 2018, 54, 1058-1076.	4.2	24
14	Coupled ADCPs can yield complete Reynolds stress tensor profiles in geophysical surface flows. Geophysical Research Letters, 2011, 38, n/a-n/a.	4.0	23
15	Improved flow velocity estimates from moving-boat ADCP measurements. Water Resources Research, 2014, 50, 4186-4196.	4.2	22
16	Multiscale structure of meanders. Geophysical Research Letters, 2016, 43, 3288-3297.	4.0	20
17	Rapidly Migrating Secondary Bedforms Can Persist on the Lee of Slowly Migrating Primary River Dunes. Journal of Geophysical Research F: Earth Surface, 2021, 126, e2020JF005918.	2.8	13
18	Quantified turbulent diffusion of suspended sediment using acoustic Doppler current profilers. Geophysical Research Letters, 2013, 40, 5692-5697.	4.0	12

#	Article	IF	Citations
19	Application of a Line Laser Scanner for Bed Form Tracking in a Laboratory Flume. Water Resources Research, 2018, 54, 2078-2094.	4.2	12
20	Evaluation of aDcp processing options for secondary flow identification at river junctions. Earth Surface Processes and Landforms, 2019, 44, 2903-2921.	2.5	11
21	River scale model of a training dam using lightweight granulates. Journal of Hydro-Environment Research, 2014, 8, 88-94.	2.2	9
22	Diversion of Flow and Sediment Toward a Side Channel Separated From a River by a Longitudinal Training Dam. Water Resources Research, 2020, 56, e2019WR026750.	4.2	7
23	On the use of horizontal acoustic Doppler profilers for continuous bed shear stress monitoring. International Journal of Sediment Research, 2013, 28, 260-268.	3.5	3
24	Scale model of a training dam using lightweight granulates. E3S Web of Conferences, 2018, 40, 05074.	0.5	1