Daniel M Hanes

List of Publications by Year
in descending order

37 papers	2,258 citations	279798 23 h-index	434195 31 g-index
37 all docs	37 docs citations	37 times ranked	1247 citing authors

#	Article	IF	Citations
1	Longshore Currents. , 2021, , .		0
2	A statistical interpretation of acoustic backscatter and laser responses to suspended particle variations in the coastal shelf. Marine Geology, 2021, 436, 106474.	2.1	4
3	Human instability related to drowning risk in surf zones for novice beachgoers or weak swimmers. Natural Hazards, 2016, 83, 761-766.	3.4	5
4	On the possibility of single-frequency acoustic measurement of sand and clay concentrations in uniform suspensions. Continental Shelf Research, 2012, 46, 64-66.	1.8	34
5	Waves and tides responsible for the intermittent closure of the entrance of a small, sheltered tidal wetland at San Francisco, CA. Continental Shelf Research, 2011, 31, 1682-1687.	1.8	20
6	Sediment transport under wave groups: Relative importance between nonlinear waveshape and nonlinear boundary layer streaming. Journal of Geophysical Research, 2010, 115, .	3.3	38
7	Comparisons of physical experiment and discrete element simulations of sheared granular materials in an annular shear cell. Mechanics of Materials, 2009, 41, 764-776.	3.2	28
8	Recent Technologies Usher in New Era of Coastal Geomorphology Research. Eos, 2009, 90, 198.	0.1	6
9	Modeling the Effects of Wave Skewness and Beach Cusps on Littoral Sand Transport. Journal of Coastal Research, 2008, 4, 141-149.	0.3	3
10	NUMERICAL INVESTIGATIONS ON THE EFFECT OF WAVE SKEWNESS ON SANDBAR MIGRATION. , 2007, , .		0
11	Giant sand waves at the mouth of San Francisco Bay. Eos, 2006, 87, 285.	0.1	79
12	Parameterization and simulation of near bed orbital velocities under irregular waves in shallow water. Coastal Engineering, 2006, 53, 915-927.	4.0	77
13	Sheet flow and suspended sediment due to wave groups in a large wave flume. Continental Shelf Research, 2005, 25, 333-347.	1.8	53
14	Suspended sediment and hydrodynamics above mildly sloped long wave ripples. Journal of Geophysical Research, 2004, 109, .	3.3	18
15	Effects of wave shape on sheet flow sediment transport. Journal of Geophysical Research, 2004, 109, .	3.3	99
16	Sheet flow dynamics under monochromatic nonbreaking waves. Journal of Geophysical Research, 2002, 107, 13-1.	3.3	94
17	A review of acoustic measurement of small-scale sediment processes. Continental Shelf Research, 2002, 22, 603-632.	1.8	360
18	The accumulation and decay of near-bed suspended sand concentration due to waves and wave groups. Continental Shelf Research, 2002, 22, 1987-2000.	1.8	44

#	Article	IF	Citations
19	Wave-formed sand ripples at Duck, North Carolina. Journal of Geophysical Research, 2001, 106, 22575-22592.	3.3	83
20	Near-Bed Sand Transport Mechanisms under Wavesâ€" A Large-Scale Flume Experiment (Sistex99). , 2001, , 3263.		12
21	Simulations and physical measurements of glass spheres flowing down a bumpy incline. Powder Technology, 2000, 109, 133-144.	4.2	84
22	Field Observations of Small Scale Sedimentation Processes. , 1999, , 2344.		0
23	A simplified method for determining sediment size and concentration from multiple frequency acoustic backscatter measurements. Journal of the Acoustical Society of America, 1998, 104, 820-830.	1.1	41
24	Collisional sheet flows of sediment driven by a turbulent fluid. Journal of Fluid Mechanics, 1998, 370, 29-52.	3.4	149
25	High-resolution sea-bed imaging: an acoustic multiple transducer array. Measurement Science and Technology, 1997, 8, 787-792.	2.6	10
26	Direct inversion method to measure the concentration profile of suspended particles using backscattered sound. Journal of Geophysical Research, 1995, 100, 2649.	3.3	52
27	Workshop on geophysical grain flows. Eos, 1993, 74, 492.	0.1	0
28	The balance of momentum and energy at an interface between colliding and freely flying grains in a rapid granular flow. Physics of Fluids A, Fluid Dynamics, 1993, 5, 781-783.	1.6	16
29	Suspension of sand due to wave groups. Journal of Geophysical Research, 1991, 96, 8911-8915.	3.3	52
30	Acoustic measurements of suspended sand on the shoreface and the control of concentration by bed roughness. Marine Geology, 1991, 96, 1-18.	2.1	97
31	A laboratory evaluation of optical backscatterance suspended solids sensors exposed to sand-mud mixtures. Marine Geology, 1990, 94, 173-179.	2.1	91
32	Intermittent sediment suspension and its implications to sand tracer dispersal in wave-dominated environments. Marine Geology, 1988, 81, 175-183.	2.1	31
33	Continuous measurements of suspended sand concentration in a wave dominated nearshore environment. Continental Shelf Research, 1986, 6, 585-596.	1.8	109
34	Experimental evaluation of a dynamic yield criterion for granular fluid flows. Journal of Geophysical Research, 1985, 90, 3670-3674.	3.3	62
35	Observations of rapidly flowing granular-fluid materials. Journal of Fluid Mechanics, 1985, 150, 357-380.	3.4	312
36	A granularâ€fluid model for steady intense bedâ€load transport. Journal of Geophysical Research, 1985, 90, 9149-9158.	3.3	72

#	Article	IF	Citations
37	Field Measurements of Sand Motion in the Surf Zone. , 1980, , 1215.		23