

Daniel M Hanes

List of Publications by Year in descending order

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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	A review of acoustic measurement of small-scale sediment processes. <i>Continental Shelf Research</i> , 2002, 22, 603-632.	1.8	360
2	Observations of rapidly flowing granular-fluid materials. <i>Journal of Fluid Mechanics</i> , 1985, 150, 357-380.	3.4	312
3	Collisional sheet flows of sediment driven by a turbulent fluid. <i>Journal of Fluid Mechanics</i> , 1998, 370, 29-52.	3.4	149
4	Continuous measurements of suspended sand concentration in a wave dominated nearshore environment. <i>Continental Shelf Research</i> , 1986, 6, 585-596.	1.8	109
5	Effects of wave shape on sheet flow sediment transport. <i>Journal of Geophysical Research</i> , 2004, 109, .	3.3	99
6	Acoustic measurements of suspended sand on the shoreface and the control of concentration by bed roughness. <i>Marine Geology</i> , 1991, 96, 1-18.	2.1	97
7	Sheet flow dynamics under monochromatic nonbreaking waves. <i>Journal of Geophysical Research</i> , 2002, 107, 13-1.	3.3	94
8	A laboratory evaluation of optical backscatterance suspended solids sensors exposed to sand-mud mixtures. <i>Marine Geology</i> , 1990, 94, 173-179.	2.1	91
9	Simulations and physical measurements of glass spheres flowing down a bumpy incline. <i>Powder Technology</i> , 2000, 109, 133-144.	4.2	84
10	Wave-formed sand ripples at Duck, North Carolina. <i>Journal of Geophysical Research</i> , 2001, 106, 22575-22592.	3.3	83
11	Giant sand waves at the mouth of San Francisco Bay. <i>Eos</i> , 2006, 87, 285.	0.1	79
12	Parameterization and simulation of near bed orbital velocities under irregular waves in shallow water. <i>Coastal Engineering</i> , 2006, 53, 915-927.	4.0	77
13	A granular fluid model for steady intense bedload transport. <i>Journal of Geophysical Research</i> , 1985, 90, 9149-9158.	3.3	72
14	Experimental evaluation of a dynamic yield criterion for granular fluid flows. <i>Journal of Geophysical Research</i> , 1985, 90, 3670-3674.	3.3	62
15	Sheet flow and suspended sediment due to wave groups in a large wave flume. <i>Continental Shelf Research</i> , 2005, 25, 333-347.	1.8	53
16	Suspension of sand due to wave groups. <i>Journal of Geophysical Research</i> , 1991, 96, 8911-8915.	3.3	52
17	Direct inversion method to measure the concentration profile of suspended particles using backscattered sound. <i>Journal of Geophysical Research</i> , 1995, 100, 2649.	3.3	52
18	The accumulation and decay of near-bed suspended sand concentration due to waves and wave groups. <i>Continental Shelf Research</i> , 2002, 22, 1987-2000.	1.8	44

#	ARTICLE	IF	CITATIONS
19	A simplified method for determining sediment size and concentration from multiple frequency acoustic backscatter measurements. <i>Journal of the Acoustical Society of America</i> , 1998, 104, 820-830.	1.1	41
20	Sediment transport under wave groups: Relative importance between nonlinear waveshape and nonlinear boundary layer streaming. <i>Journal of Geophysical Research</i> , 2010, 115, .	3.3	38
21	On the possibility of single-frequency acoustic measurement of sand and clay concentrations in uniform suspensions. <i>Continental Shelf Research</i> , 2012, 46, 64-66.	1.8	34
22	Intermittent sediment suspension and its implications to sand tracer dispersal in wave-dominated environments. <i>Marine Geology</i> , 1988, 81, 175-183.	2.1	31
23	Comparisons of physical experiment and discrete element simulations of sheared granular materials in an annular shear cell. <i>Mechanics of Materials</i> , 2009, 41, 764-776.	3.2	28
24	Field Measurements of Sand Motion in the Surf Zone. , 1980, , 1215.		23
25	Waves and tides responsible for the intermittent closure of the entrance of a small, sheltered tidal wetland at San Francisco, CA. <i>Continental Shelf Research</i> , 2011, 31, 1682-1687.	1.8	20
26	Suspended sediment and hydrodynamics above mildly sloped long wave ripples. <i>Journal of Geophysical Research</i> , 2004, 109, .	3.3	18
27	The balance of momentum and energy at an interface between colliding and freely flying grains in a rapid granular flow. <i>Physics of Fluids A, Fluid Dynamics</i> , 1993, 5, 781-783.	1.6	16
28	Near-Bed Sand Transport Mechanisms under Wavesâ€™” <i>A Large-Scale Flume Experiment (Sistex99)</i> . , 2001, , 3263.		12
29	High-resolution sea-bed imaging: an acoustic multiple transducer array. <i>Measurement Science and Technology</i> , 1997, 8, 787-792.	2.6	10
30	Recent Technologies Usher in New Era of Coastal Geomorphology Research. <i>Eos</i> , 2009, 90, 198.	0.1	6
31	Human instability related to drowning risk in surf zones for novice beachgoers or weak swimmers. <i>Natural Hazards</i> , 2016, 83, 761-766.	3.4	5
32	A statistical interpretation of acoustic backscatter and laser responses to suspended particle variations in the coastal shelf. <i>Marine Geology</i> , 2021, 436, 106474.	2.1	4
33	Modeling the Effects of Wave Skewness and Beach Cusps on Littoral Sand Transport. <i>Journal of Coastal Research</i> , 2008, 4, 141-149.	0.3	3
34	Workshop on geophysical grain flows. <i>Eos</i> , 1993, 74, 492.	0.1	0
35	Field Observations of Small Scale Sedimentation Processes. , 1999, , 2344.		0
36	Longshore Currents. , 2021, , .		0

#	ARTICLE	IF	CITATIONS
37	NUMERICAL INVESTIGATIONS ON THE EFFECT OF WAVE SKEWNESS ON SANDBAR MIGRATION. , 2007, , .		0