

Francois Marin

List of Publications by Year in descending order

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Version: 2024-02-01

32
papers

190
citations

1040056

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13
g-index

33
all docs

33
docs citations

33
times ranked

179
citing authors

#	ARTICLE	IF	CITATIONS
1	Fixed absorbing semi-immersed breakwater. Coastal Engineering, 2003, 49, 25-41.	4.0	25
2	Eddy viscosity and Eulerian drift over rippled beds in waves. Coastal Engineering, 2004, 50, 139-159.	4.0	24
3	Experimental and numerical study of the propagation of focused wave groups in the nearshore zone. Physics Letters, Section A: General, Atomic and Solid State Physics, 2020, 384, 126144.	2.1	15
4	Dynamical evolution of ripples in a wave channel. European Journal of Mechanics, B/Fluids, 2004, 23, 695-708.	2.5	14
5	Bedload transport for heterogeneous sediments. Environmental Fluid Mechanics, 2015, 15, 731-751.	1.6	14
6	Experimental study of runup for sandy beaches under waves and tide. Coastal Engineering, 2019, 144, 33-46.	4.0	14
7	Spatiotemporal properties of solitons excited on the surface of shallow water in a hydrodynamic resonator. Physics of Fluids, 2006, 18, 067104.	4.0	12
8	Laboratory study of non-linear wave-wave interactions of extreme focused waves in the nearshore zone. Natural Hazards and Earth System Sciences, 2020, 20, 3279-3291.	3.6	11
9	Formation dynamics of sand bedforms under solitons and bound states of solitons in a wave flume used in resonant mode. European Journal of Mechanics, B/Fluids, 2008, 27, 251-267.	2.5	9
10	Laboratory study of sand bed forms induced by solitary waves in shallow water. Journal of Geophysical Research, 2005, 110, n/a-n/a.	3.3	8
11	Dynamics of propagating front into sand ripples under regular waves. Physical Review E, 2010, 82, 032301.	2.1	8
12	Velocity and turbulence distributions in combined wavecurrent flows over a rippled bed. Journal of Hydraulic Research/De Recherches Hydrauliques, 1999, 37, 501-518.	1.7	7
13	Bedload transport and bedforms migration under sand supply limitation. Environmental Fluid Mechanics, 2020, 20, 1031-1052.	1.6	5
14	Segregation of sedimenting grains of different densities in an oscillating velocity field of strongly nonlinear surface waves. Physical Review E, 2008, 78, 022301.	2.1	3
15	Particle trajectories and size sorting above a rippled bed under standing water waves. Physical Review E, 2012, 85, 021304.	2.1	3
16	Experimental simulation of sandy beaches under waves and tides: hydro-morphodynamic analysis. Journal of Coastal Research, 2013, 165, 1791-1796.	0.3	3
17	Formation of localized sand patterns downstream from a vertical cylinder under steady flows: Experimental and theoretical study. Physical Review E, 2016, 94, 052903.	2.1	3
18	Two-Dimensional Modelling of a Quayside Floating System. Journal of Marine Science and Engineering, 2020, 8, 903.	2.6	2

#	ARTICLE	IF	CITATIONS
19	Experimental Study on Sediment Supply-Limited Bedforms in a Coastal Context. Springer Water, 2020, , 647-664.	0.3	2
20	Rheological behaviour of pure clay and coarse-grained clay suspensions using an inclined blade vane-in-cup. Journal of Non-Newtonian Fluid Mechanics, 2022, 300, 104714.	2.4	2
21	A visual method for threshold detection of sediment motion in a flume experiment without human interference. Earth Surface Processes and Landforms, 2022, 47, 1778-1789.	2.5	2
22	Interaction soliton sable dans un canal en eau peu profonde. Comptes Rendus - Mecanique, 2005, 333, 227-233.	2.1	1
23	Solitons: Historical and Physical Introduction. , 2012, , 1561-1575.		1
24	PHYSICAL MODELLING OF EXTREME WAVES: GAUSSIAN WAVE GROUPS AND SOLITARY WAVES IN THE NEARSHORE ZONE. Advances and Applications in Fluid Mechanics, 2019, 23, 141-159.	0.1	1
25	Physical Modeling of Extreme Waves Propagating from the Open Sea to the Coastal Zone. Springer Water, 2020, , 595-611.	0.3	1
26	Étude expérimentale des courants de drif induits par la houle au-dessus d'un fond ridé. Comptes Rendus Mecanique, 2000, 328, 813-818.	0.2	0
27	Pattern formation in a granular medium excited by waves in a flume. Journal of Physics: Conference Series, 2008, 137, 012031.	0.4	0
28	Formation of Sand Bedforms Under Surface Waves. , 2018, , 113-126.		0
29	Impact of a Quayside Floating System on Overtopping. Journal of Waterway, Port, Coastal and Ocean Engineering, 2020, 146, 04019037.	1.2	0
30	MORPHOLOGY OF RIPPLED BEDS INDUCED BY WAVES FOR SIZE HOMOGENEOUS OR HETEROGENEOUS SEDIMENTS. , 2009, , .		0
31	Trajectoires de particules et tri sédimentaire sous l'action d'un écoulement oscillant au dessus d'un fond ridé. , 2010, , .		0
32	Solitons: Historical and Physical Introduction. , 2017, , 1-20.		0