Philippe Gondret

List of Publications by Year
in descending order

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19 papers	950 citations	933447 10 h-index	839539 18 g-index
19 all docs	19 docs citations	19 times ranked	811 citing authors

#	Article	IF	Citations
1	Added-mass force in dry granular matter. Physical Review E, 2022, 105, .	2.1	1
2	Erosion of cohesive grains by an impinging turbulent jet. Physical Review Fluids, 2022, 7, .	2.5	3
3	Experimental investigation of tsunami waves generated by granular collapse into water. Journal of Fluid Mechanics, 2021, 907, .	3.4	28
4	On water waves generated by gravity driven granular collapse. EPJ Web of Conferences, 2021, 249, 09011.	0.3	0
5	Nonlinear regimes of tsunami waves generated by a granular collapse. Journal of Fluid Mechanics, 2021, 919, .	3.4	11
6	From laboratory experiments to geophysical tsunamis generated by subaerial landslides. Scientific Reports, 2021, 11, 18437.	3.3	6
7	Collapse dynamics of dry granular columns: From free-fall to quasistatic flow. Physical Review E, 2021, 104, 064904.	2.1	8
8	Viscous dissipation in the collision between a sphere and a textured wall. Journal of Fluid Mechanics, 2020, 896, .	3.4	4
9	Drag force in a cold or hot granular medium. Physical Review E, 2017, 96, 032905.	2.1	16
10	Experimental study of wave generation by a granular collapse. EPJ Web of Conferences, 2017, 140, 14007.	0.3	10
11	Local rheological measurements in the granular flow around an intruder. Physical Review E, 2016, 93, 012904.	2.1	38
12	Texture-driven elastohydrodynamic bouncing. Journal of Fluid Mechanics, 2016, 805, 577-590.	3.4	7
13	Experimental velocity fields and forces for a cylinder penetrating into a granular medium. Physical Review E, 2013, 87, 012201.	2.1	51
14	Dense Granular Flow around a Penetrating Object: Experiment and Hydrodynamic Model. Physical Review Letters, 2011, 107, 048001.	7.8	71
15	Sphere penetration by impact in a granular medium: A collisional process. Europhysics Letters, 2009, 88, 44002.	2.0	68
16	Influence of confinement on granular penetration by impact. Physical Review E, 2008, 78, 010301.	2.1	107
17	Granular Avalanches in Fluids. Physical Review Letters, 2003, 90, 044301.	7.8	142
18	Wall effects on granular heap stability. Europhysics Letters, 2003, 61, 492-498.	2.0	74

#	Article	IF	Citations
19	Bouncing motion of spherical particles in fluids. Physics of Fluids, 2002, 14, 643-652.	4.0	305