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	Bouncing motion of spherical particles in fluids. Physics of Fluids, 2002, 14, 643-652.	4.0	305
2	Granular Avalanches in Fluids. Physical Review Letters, 2003, 90, 044301.	7.8	142
3	Influence of confinement on granular penetration by impact. Physical Review E, 2008, 78, 010301.	2.1	107
4	Wall effects on granular heap stability. Europhysics Letters, 2003, 61, 492-498.	2.0	74
5	Dense Granular Flow around a Penetrating Object: Experiment and Hydrodynamic Model. Physical Review Letters, 2011, 107, 048001.	7.8	71
6	Sphere penetration by impact in a granular medium: A collisional process. Europhysics Letters, 2009, 88, 44002.	2.0	68
7	Experimental velocity fields and forces for a cylinder penetrating into a granular medium. Physical Review E, 2013, 87, 012201.	2.1	51
8	Local rheological measurements in the granular flow around an intruder. Physical Review E, 2016, 93, 012904.	2.1	38
9	Experimental investigation of tsunami waves generated by granular collapse into water. Journal of Fluid Mechanics, 2021, 907, .	3.4	28
10	Drag force in a cold or hot granular medium. Physical Review E, 2017, 96, 032905.	2.1	16
11	Nonlinear regimes of tsunami waves generated by a granular collapse. Journal of Fluid Mechanics, 2021, 919, .	3.4	11
12	Experimental study of wave generation by a granular collapse. EPJ Web of Conferences, 2017, 140, 14007.	0.3	10
13	Collapse dynamics of dry granular columns: From free-fall to quasistatic flow. Physical Review E, 2021, 104, 064904.	2.1	8
14	Texture-driven elastohydrodynamic bouncing. Journal of Fluid Mechanics, 2016, 805, 577-590.	3.4	7
15	From laboratory experiments to geophysical tsunamis generated by subaerial landslides. Scientific Reports, 2021, 11, 18437.	3.3	6
16	Viscous dissipation in the collision between a sphere and a textured wall. Journal of Fluid Mechanics, 2020, 896, .	3.4	4
17	Erosion of cohesive grains by an impinging turbulent jet. Physical Review Fluids, 2022, 7, .	2.5	3
18	Added-mass force in dry granular matter. Physical Review E, 2022, 105, .	2.1	1

#	Article	IF	Citations
19	On water waves generated by gravity driven granular collapse. EPJ Web of Conferences, 2021, 249, 09011.	0.3	0