

Abram H Clark

List of Publications by Year in descending order

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Version: 2024-02-01

26
papers

731
citations

687363

13
h-index

677142

22
g-index

26
all docs

26
docs citations

26
times ranked

713
citing authors

#	ARTICLE	IF	CITATIONS
1	Particle Scale Dynamics in Granular Impact. <i>Physical Review Letters</i> , 2012, 109, 238302.	7.8	146
2	The Physics of Sediment Transport Initiation, Cessation, and Entrainment Across Aeolian and Fluvial Environments. <i>Reviews of Geophysics</i> , 2020, 58, e2019RG000679.	23.0	97
3	Nonlinear Force Propagation During Granular Impact. <i>Physical Review Letters</i> , 2015, 114, 144502.	7.8	85
4	Collisional model for granular impact dynamics. <i>Physical Review E</i> , 2014, 89, 012201.	2.1	68
5	Granular impact model as an energy-depth relation. <i>Europhysics Letters</i> , 2013, 101, 64001.	2.0	62
6	Onset and cessation of motion in hydrodynamically sheared granular beds. <i>Physical Review E</i> , 2015, 92, 042202.	2.1	33
7	Critical scaling near the yielding transition in granular media. <i>Physical Review E</i> , 2018, 97, 062901.	2.1	32
8	Statistical properties of granular materials near jamming. <i>Journal of Statistical Mechanics: Theory and Experiment</i> , 2014, 2014, P06004.	2.3	30
9	Granular response to impact: Topology of the force networks. <i>Physical Review E</i> , 2018, 97, 012906.	2.1	25
10	Steady flow dynamics during granular impact. <i>Physical Review E</i> , 2016, 93, 050901.	2.1	24
11	Role of grain dynamics in determining the onset of sediment transport. <i>Physical Review Fluids</i> , 2017, 2, .	2.5	23
12	Packing in protein cores. <i>Journal of Physics Condensed Matter</i> , 2017, 29, 293001.	1.8	20
13	Coarse graining for an impeller-driven mixer system. <i>Granular Matter</i> , 2012, 14, 283-288.	2.2	15
14	Determining the onset of hydrodynamic erosion in turbulent flow. <i>Physical Review Fluids</i> , 2017, 2, .	2.5	12
15	Jet-induced 2-D crater formation with horizontal symmetry breaking. <i>Granular Matter</i> , 2014, 16, 433-440.	2.2	11
16	Power-Law Scaling of Early-Stage Forces during Granular Impact. <i>Physical Review Letters</i> , 2020, 124, 178002.	7.8	10
17	Vibration can enhance stick-slip behavior for granular friction. <i>Granular Matter</i> , 2019, 21, 1.	2.2	9
18	Comparison of shear and compression jammed packings of frictional disks. <i>Granular Matter</i> , 2019, 21, 1.	2.2	8

#	ARTICLE	IF	CITATIONS
19	Viscous-like forces control the impact response of shear-thickening dense suspensions. Journal of Fluid Mechanics, 2021, 923, .	3.4	7
20	Critical scaling for yield is independent of distance to isostaticity. Physical Review Research, 2019, 1, .	3.6	7
21	Granular impact dynamics: Fluctuations at short time-scales. , 2013, , .		3
22	Editorial: Non-local Modeling and Diverging Lengthscales in Structured Fluids. Frontiers in Physics, 2020, 8, .	2.1	2
23	Granular Impact. , 2015, , 319-351.		1
24	Real-space renormalization of randomly vacated lattices: a renormalization group for jamming?. Granular Matter, 2019, 21, 1.	2.2	1
25	From Blowing Wind to Running Water: Unifying Sediment Transport. Eos, 2020, 101, .	0.1	0
26	Darcy-Reynolds forces during intrusion into granular-fluid beds. Physical Review Fluids, 2022, 7, .	2.5	0