

# 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	Darcy-Reynolds forces during intrusion into granular-fluid beds. <i>Physical Review Fluids</i> , 2022, 7, .	2.5	0
2	Viscous-like forces control the impact response of shear-thickening dense suspensions. <i>Journal of Fluid Mechanics</i> , 2021, 923, .	3.4	7
3	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
4	Power-Law Scaling of Early-Stage Forces during Granular Impact. <i>Physical Review Letters</i> , 2020, 124, 178002.	7.8	10
5	Editorial: Non-local Modeling and Diverging Lengthscales in Structured Fluids. <i>Frontiers in Physics</i> , 2020, 8, .	2.1	2
6	From Blowing Wind to Running Water: Unifying Sediment Transport. <i>Eos</i> , 2020, 101, .	0.1	0
7	Comparison of shear and compression jammed packings of frictional disks. <i>Granular Matter</i> , 2019, 21, 1.	2.2	8
8	Real-space renormalization of randomly vacated lattices: a renormalization group for jamming?. <i>Granular Matter</i> , 2019, 21, 1.	2.2	1
9	Vibration can enhance stick-slip behavior for granular friction. <i>Granular Matter</i> , 2019, 21, 1.	2.2	9
10	Critical scaling for yield is independent of distance to isostaticity. <i>Physical Review Research</i> , 2019, 1, .	3.6	7
11	Granular response to impact: Topology of the force networks. <i>Physical Review E</i> , 2018, 97, 012906.	2.1	25
12	Critical scaling near the yielding transition in granular media. <i>Physical Review E</i> , 2018, 97, 062901.	2.1	32
13	Packing in protein cores. <i>Journal of Physics Condensed Matter</i> , 2017, 29, 293001.	1.8	20
14	Role of grain dynamics in determining the onset of sediment transport. <i>Physical Review Fluids</i> , 2017, 2, .	2.5	23
15	Determining the onset of hydrodynamic erosion in turbulent flow. <i>Physical Review Fluids</i> , 2017, 2, .	2.5	12
16	Steady flow dynamics during granular impact. <i>Physical Review E</i> , 2016, 93, 050901.	2.1	24
17	Onset and cessation of motion in hydrodynamically sheared granular beds. <i>Physical Review E</i> , 2015, 92, 042202.	2.1	33
18	Granular Impact. , 2015, , 319-351.		1

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19	Nonlinear Force Propagation During Granular Impact. Physical Review Letters, 2015, 114, 144502.	7.8	85
20	Collisional model for granular impact dynamics. Physical Review E, 2014, 89, 012201.	2.1	68
21	Statistical properties of granular materials near jamming. Journal of Statistical Mechanics: Theory and Experiment, 2014, 2014, P06004.	2.3	30
22	Jet-induced 2-D crater formation with horizontal symmetry breaking. Granular Matter, 2014, 16, 433-440.	2.2	11
23	Granular impact model as an energy-depth relation. Europhysics Letters, 2013, 101, 64001.	2.0	62
24	Granular impact dynamics: Fluctuations at short time-scales. , 2013, , .		3
25	Particle Scale Dynamics in Granular Impact. Physical Review Letters, 2012, 109, 238302.	7.8	146
26	Coarse graining for an impeller-driven mixer system. Granular Matter, 2012, 14, 283-288.	2.2	15