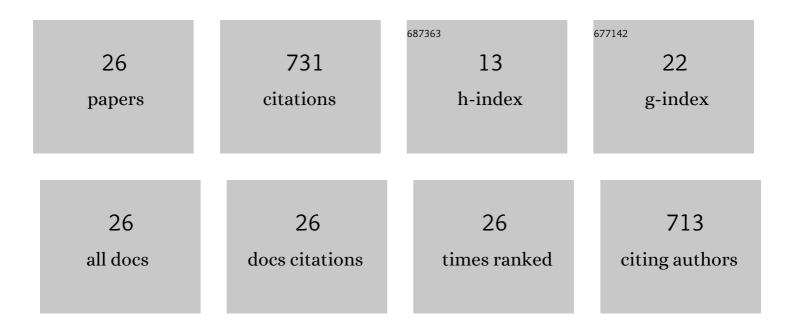
## Abram H Clark

List of Publications by Year in descending order

Source: https://exaly.com/author-pdf/991788/publications.pdf Version: 2024-02-01



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

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#	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