

Jean-François Boudet

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/3551660/publications.pdf>

Version: 2024-02-01

11
papers

329
citations

1040056

9
h-index

1281871

11
g-index

11
all docs

11
docs citations

11
times ranked

351
citing authors

#	ARTICLE	IF	CITATIONS
1	Boundaries Control Collective Dynamics of Inertial Self-Propelled Robots. Physical Review Letters, 2018, 120, 188002.	7.8	96
2	Dynamics of Impact Cratering in Shallow Sand Layers. Physical Review Letters, 2006, 96, 158001.	7.8	46
3	The granular jump. Journal of Fluid Mechanics, 2007, 572, 413-431.	3.4	43
4	From collections of independent, mindless robots to flexible, mobile, and directional superstructures. Science Robotics, 2021, 6, .	17.6	32
5	Shock Front Width and Structure in Supersonic Granular Flows. Physical Review Letters, 2008, 101, 254503.	7.8	29
6	Drag Coefficient for a Circular Obstacle in a Quasi-Two-Dimensional Dilute Supersonic Granular Flow. Physical Review Letters, 2010, 105, 104501.	7.8	21
7	Blast Shocks in Quasi-Two-Dimensional Supersonic Granular Flows. Physical Review Letters, 2009, 103, 224501.	7.8	19
8	Sorting and Extraction of Self-Propelled Chiral Particles by Polarized Wall Currents. Physical Review Letters, 2020, 125, 238003.	7.8	15
9	Structure of velocity distributions in shock waves in granular gases with extension to molecular gases. Physical Review E, 2016, 94, 022905.	2.1	11
10	Characterization and control of a bottleneck-induced traffic-jam transition for self-propelled particles in a track. Physical Review E, 2019, 99, 052605.	2.1	9
11	Shock waves induced by a planar obstacle in a vibrated granular gas. Journal of Fluid Mechanics, 2018, 842, 163-187.	3.4	8