

# Jean-François Boudet

## List of Publications by Year in descending order

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

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11  
papers

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citations

1040056

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1281871

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11  
times ranked

351  
citing authors

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