John R Royer

List of Publications by Year
in descending order

19	859	687363 13	839539 18
papers	citations	h-index	g-index

19	19	19	1052
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	High-speed tracking of rupture and clustering in freely falling granular streams. Nature, 2009, 459, 1110-1113.	27.8	170
2	Rheological Signature of Frictional Interactions in Shear Thickening Suspensions. Physical Review Letters, 2016, 116, 188301.	7.8	149
3	Formation of granular jets observed by high-speed X-ray radiography. Nature Physics, 2005, 1, 164-167.	16.7	115
4	Precisely cyclic sand: Self-organization of periodically sheared frictional grains. Proceedings of the National Academy of Sciences of the United States of America, 2015, 112, 49-53.	7.1	87
5	Soft matter science and the COVID-19 pandemic. Soft Matter, 2020, 16, 8310-8324.	2.7	51
6	The role of interstitial gas in determining the impact response of granular beds. Europhysics Letters, 2011, 93, 28008.	2.0	50
7	Gas-Mediated Impact Dynamics in Fine-Grained Granular Materials. Physical Review Letters, 2007, 99, 038003.	7.8	43
8	Cinnamate-based DNA photolithography. Nature Materials, 2013, 12, 747-753.	27.5	43
9	Rheology and dynamics of colloidal superballs. Soft Matter, 2015, 11, 5656-5665.	2.7	29
10	Birth and growth of a granular jet. Physical Review E, 2008, 78, 011305.	2.1	28
11	Droplet and cluster formation in freely falling granular streams. Physical Review E, 2011, 83, 051302.	2.1	26
12	Rheological Characterization of Polymeric Frustrated Lewis Pair Networks. Macromolecules, 2019, 52, 3417-3425.	4.8	26
13	Rheological Behavior and in Situ Confocal Imaging of Bijels Made by Mixing. Langmuir, 2019, 35, 10927-10936.	3.5	13
14	Force chains and networks: wet suspensions through dry granular eyes. Granular Matter, 2020, 22, 1.	2.2	9
15	Liquid Migration in Shear Thickening Suspensions Flowing through Constrictions. Physical Review Letters, 2019, 123, 128002.	7.8	7
16	Wave-number selection by target patterns and sidewalls in Rayleigh-BÃ©nard convection. Physical Review E, 2004, 70, 036313.	2.1	5
17	Flow-Switched Bistability in a Colloidal Gel with Non-Brownian Grains. Physical Review Letters, 2022, 128, .	7.8	5
18	Rheological design of thickened alcohol-based hand rubs. Rheologica Acta, 2022, 61, 571-581.	2.4	3

#	Article	IF	Citations
19	Rupture and clustering in granular streams. Chaos, 2009, 19, 041103.	2.5	0