

# John R Royer

## List of Publications by Year in descending order

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19  
papers

859  
citations

687363

13  
h-index

839539

18  
g-index

19  
all docs

19  
docs citations

19  
times ranked

1052  
citing authors

#	ARTICLE	IF	CITATIONS
1	Flow-Switched Bistability in a Colloidal Gel with Non-Brownian Grains. <i>Physical Review Letters</i> , 2022, 128, .	7.8	5
2	Rheological design of thickened alcohol-based hand rubs. <i>Rheologica Acta</i> , 2022, 61, 571-581.	2.4	3
3	Soft matter science and the COVID-19 pandemic. <i>Soft Matter</i> , 2020, 16, 8310-8324.	2.7	51
4	Force chains and networks: wet suspensions through dry granular eyes. <i>Granular Matter</i> , 2020, 22, 1.	2.2	9
5	Rheological Behavior and in Situ Confocal Imaging of Bijels Made by Mixing. <i>Langmuir</i> , 2019, 35, 10927-10936.	3.5	13
6	Liquid Migration in Shear Thickening Suspensions Flowing through Constrictions. <i>Physical Review Letters</i> , 2019, 123, 128002.	7.8	7
7	Rheological Characterization of Polymeric Frustrated Lewis Pair Networks. <i>Macromolecules</i> , 2019, 52, 3417-3425.	4.8	26
8	Rheological Signature of Frictional Interactions in Shear Thickening Suspensions. <i>Physical Review Letters</i> , 2016, 116, 188301.	7.8	149
9	Precisely cyclic sand: Self-organization of periodically sheared frictional grains. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015, 112, 49-53.	7.1	87
10	Rheology and dynamics of colloidal superballs. <i>Soft Matter</i> , 2015, 11, 5656-5665.	2.7	29
11	Cinnamate-based DNA photolithography. <i>Nature Materials</i> , 2013, 12, 747-753.	27.5	43
12	The role of interstitial gas in determining the impact response of granular beds. <i>Europhysics Letters</i> , 2011, 93, 28008.	2.0	50
13	Droplet and cluster formation in freely falling granular streams. <i>Physical Review E</i> , 2011, 83, 051302.	2.1	26
14	Rupture and clustering in granular streams. <i>Chaos</i> , 2009, 19, 041103.	2.5	0
15	High-speed tracking of rupture and clustering in freely falling granular streams. <i>Nature</i> , 2009, 459, 1110-1113.	27.8	170
16	Birth and growth of a granular jet. <i>Physical Review E</i> , 2008, 78, 011305.	2.1	28
17	Gas-Mediated Impact Dynamics in Fine-Grained Granular Materials. <i>Physical Review Letters</i> , 2007, 99, 038003.	7.8	43
18	Formation of granular jets observed by high-speed X-ray radiography. <i>Nature Physics</i> , 2005, 1, 164-167.	16.7	115

#	ARTICLE	IF	CITATIONS
19	Wave-number selection by target patterns and sidewalls in Rayleigh-Bénard convection. Physical Review E, 2004, 70, 036313.	2.1	5