

# Joyjit Chattoraj

## List of Publications by Year in descending order

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Version: 2024-02-01

19  
papers

313  
citations

840776

11  
h-index

839539

18  
g-index

19  
all docs

19  
docs citations

19  
times ranked

403  
citing authors

#	ARTICLE	IF	CITATIONS
1	Theory-Guided Machine Learning to Predict the Performance of Noble Metal Catalysts in the Water-Gas Shift Reaction. <i>ChemCatChem</i> , 2022, 14, .	3.7	4
2	Designing Phononic Band Gaps With Sticky Potentials. <i>Frontiers in Physics</i> , 2021, 9, .	2.1	3
3	Emergence of linear isotropic elasticity in amorphous and polycrystalline materials. <i>Physical Review E</i> , 2021, 103, 052606.	2.1	3
4	Shear-induced mixing of granular materials featuring broad granule size distributions. <i>Physical Review E</i> , 2021, 104, 044910.	2.1	1
5	Frictional active Brownian particles. <i>Physical Review E</i> , 2020, 102, 032612.	2.1	4
6	Oscillatory instabilities in three-dimensional frictional granular matter. <i>Physical Review E</i> , 2020, 101, 052902.	2.1	2
7	Transition from Static to Dynamic Friction in an Array of Frictional Disks. <i>Physical Review Letters</i> , 2020, 124, 030602.	7.8	4
8	Role of Attractive Forces in the Relaxation Dynamics of Supercooled Liquids. <i>Physical Review Letters</i> , 2020, 124, 028001.	7.8	16
9	Stability phase diagram of active Brownian particles. <i>Physical Review Research</i> , 2020, 2, .	3.6	17
10	Noise amplification in frictional systems: Oscillatory instabilities. <i>Physical Review E</i> , 2019, 100, 042901.	2.1	11
11	Oscillatory Instabilities in Frictional Granular Matter. <i>Physical Review Letters</i> , 2019, 123, 098003.	7.8	21
12	Long-range stress transmission guides endothelial gap formation. <i>Biochemical and Biophysical Research Communications</i> , 2018, 495, 749-754.	2.1	16
13	Revealing the principal attributes of protein adsorption on block copolymer surfaces with direct experimental evidence at the single protein level. <i>Nanoscale</i> , 2018, 10, 9063-9076.	5.6	13
14	Dependence of Ion Dynamics on the Polymer Chain Length in Poly(ethylene oxide)-Based Polymer Electrolytes. <i>Journal of Physical Chemistry B</i> , 2015, 119, 6786-6791.	2.6	21
15	A multi-scale approach to characterize pure CH <sub>4</sub> , CF <sub>4</sub> , and CH <sub>4</sub> /CF <sub>4</sub> mixtures. <i>Journal of Chemical Physics</i> , 2015, 142, 164508.	3.0	8
16	Effects of ionic liquids on cation dynamics in amorphous polyethylene oxide electrolytes. <i>Journal of Chemical Physics</i> , 2014, 140, 024906.	3.0	18
17	Elastic Signature of Flow Events in Supercooled Liquids Under Shear. <i>Physical Review Letters</i> , 2013, 111, 066001.	7.8	70
18	Robustness of avalanche dynamics in sheared amorphous solids as probed by transverse diffusion. <i>Physical Review E</i> , 2011, 84, 011501.	2.1	29

#	ARTICLE	IF	CITATIONS
19	Universal Additive Effect of Temperature on the Rheology of Amorphous Solids. Physical Review Letters, 2010, 105, 266001.	7.8	52