

Aditya Jaishankar

List of Publications by Year in descending order

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Version: 2024-02-01

14
papers

868
citations

933447

10
h-index

1058476

14
g-index

14
all docs

14
docs citations

14
times ranked

1309
citing authors

#	ARTICLE	IF	CITATIONS
1	Power-law rheology in the bulk and at the interface: quasi-properties and fractional constitutive equations. Proceedings of the Royal Society A: Mathematical, Physical and Engineering Sciences, 2013, 469, 20120284.	2.1	191
2	Metal-coordination: using one of nature's tricks to control soft material mechanics. Journal of Materials Chemistry B, 2014, 2, 2467-2472.	5.8	178
3	Rheology of globular proteins: apparent yield stress, high shear rate viscosity and interfacial viscoelasticity of bovine serum albumin solutions. Soft Matter, 2011, 7, 5150.	2.7	160
4	A fractional K-BKZ constitutive formulation for describing the nonlinear rheology of multiscale complex fluids. Journal of Rheology, 2014, 58, 1751-1788.	2.6	86
5	Interfacial viscoelasticity, yielding and creep ringing of globular protein-surfactant mixtures. Soft Matter, 2011, 7, 7623.	2.7	64
6	Cervical Mucus Properties Stratify Risk for Preterm Birth. PLoS ONE, 2013, 8, e69528.	2.5	63
7	Probing hydrogen bond interactions in a shear thickening polysaccharide using nonlinear shear and extensional rheology. Carbohydrate Polymers, 2015, 123, 136-145.	10.2	40
8	Adsorption of Stearic Acid at the Iron Oxide/Oil Interface: Theory, Experiments, and Modeling. Langmuir, 2019, 35, 2033-2046.	3.5	33
9	Solid with infused reactive liquid (SWIRL): A novel liquid-based separation approach for effective CO ₂ capture. Science Advances, 2022, 8, eabm0144.	10.3	13
10	Asphaltene Adsorption on Functionalized Solids. Langmuir, 2020, 36, 3894-3902.	3.5	12
11	An analytical solution to the extended Navier-Stokes equations using the Lambert W function. AIChE Journal, 2014, 60, 1413-1423.	3.6	10
12	Limiting Domain Size of MoS ₂ : Effects of Stoichiometry and Oxygen. Journal of Physical Chemistry C, 2020, 124, 27571-27579.	3.1	8
13	Correcting for solvent replacement effects in quartz crystal microbalance measurements. Sensors and Actuators A: Physical, 2018, 277, 60-64.	4.1	5
14	Predicting Hemiwicking Dynamics on Textured Substrates. Langmuir, 2021, 37, 188-195.	3.5	5