Francesco Del Giudice

List of Publications by Year
in descending order

24	796	567281 15	610901 24
papers	citations	h-index	g-index

25	25	25	826
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	A Review of Microfluidic Devices for Rheological Characterisation. Micromachines, 2022, 13, 167.	2.9	18
2	Microfluidic Rheometry and Particle Settling: Characterizing the Effect of Polymer Solution Elasticity. Polymers, 2022, 14, 657.	4.5	1
3	Rapid Temperature-Dependent Rheological Measurements of Non-Newtonian Solutions Using a Machine-Learning Aided Microfluidic Rheometer. Analytical Chemistry, 2022, 94, 3617-3628.	6.5	1
4	Confinement effect on the viscoelastic particle ordering in microfluidic flows: Numerical simulations and experiments. Physics of Fluids, 2022, 34, .	4.0	11
5	Microfluidic formation of crystal-like structures. Lab on A Chip, 2021, 21, 2069-2094.	6.0	24
6	Controlled viscoelastic particle encapsulation in microfluidic devices. Soft Matter, 2021, 17, 8068-8077.	2.7	14
7	Viscoelastic Particle Train Formation in Microfluidic Flows Using a Xanthan Gum Aqueous Solution. Analytical Chemistry, 2021, 93, 5503-5512.	6.5	11
8	Simultaneous measurement of rheological properties in a microfluidic rheometer. Physics of Fluids, 2020, 32, 052001.	4.0	10
9	Viscoelastic focusing of polydisperse particle suspensions in a straight circular microchannel. Microfluidics and Nanofluidics, 2019, 23, 1.	2.2	7
10	Rheological Scaling of Ionic-Liquid-Based Polyelectrolytes in Ionic Liquid Solutions. Macromolecules, 2019, 52, 2759-2771.	4.8	18
11	Filling the gap between transient and steady shear rheology of aqueous graphene oxide dispersions. Rheologica Acta, 2018, 57, 293-306.	2.4	18
12	Fluid Viscoelasticity Drives Self-Assembly of Particle Trains in a Straight Microfluidic Channel. Physical Review Applied, 2018, 10, .	3.8	38
13	Relaxation time of dilute polymer solutions: A microfluidic approach. Journal of Rheology, 2017, 61, 327-337.	2.6	72
14	Shear rheology of graphene oxide dispersions. Current Opinion in Chemical Engineering, 2017, 16, 23-30.	7.8	53
15	When Microrheology, Bulk Rheology, and Microfluidics Meet: Broadband Rheology of Hydroxyethyl Cellulose Water Solutions. Macromolecules, 2017, 50, 2951-2963.	4.8	55
16	Relaxation time of polyelectrolyte solutions: When Î¼-rheometry steps in charge. Journal of Rheology, 2017, 61, 13-21.	2.6	33
17	â€œFrom the Edge to the Centerâ€• Viscoelastic Migration of Particles and Cells in a Strongly Shear-Thinning Liquid Flowing in a Microchannel. Analytical Chemistry, 2017, 89, 13146-13159.	6.5	50
18	Is microrheometry affected by channel deformation?. Biomicrofluidics, 2016, 10, 043501.	2.4	15

#	Article	IF	Citations
19	Particle manipulation through polymer solutions in microfluidic processes. AIP Conference Proceedings, 2015, , .	0.4	0
20	Magnetophoresis â€˜meetsâ€™ viscoelasticity: deterministic separation of magnetic particles in a modular microfluidic device. Lab on A Chip, 2015, 15, 1912-1922.	6.0	56
21	Effect of fluid rheology on particle migration in a square-shaped microchannel. Microfluidics and Nanofluidics, 2015, 19, 95-104.	2.2	57
22	Microrheology with Optical Tweezers: Measuring the relative viscosity of solutions â€˜at a glanceâ€™. Scientific Reports, 2015, 5, 8831.	3.3	71
23	Rheometry-on-a-chip: measuring the relaxation time of a viscoelastic liquid through particle migration in microchannel flows. Lab on A Chip, 2015, 15, 783-792.	6.0	64
24	Particle alignment in a viscoelastic liquid flowing in a square-shaped microchannel. Lab on A Chip, 2013, 13, 4263.	6.0	98