Jean-Christophe Loudet

List of Publications by Year
in descending order

14	83	1478505 6	1474206 9
papers	citations	h-index	g-index

14	14	14	124
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Particle trapped at the isotropic-nematic liquid crystal interface: Elastocapillary phenomena and drag forces. Physical Review E, 2022, 105, 044607.	2.1	1
2	Phase-field model for elastocapillary flows of liquid crystals. Physical Review E, 2021, 103, 022706.	2.1	3
3	Particle rotation speeds up capillary interactions. European Physical Journal E, 2021, 44, 30.	1.6	2
4	Surfactant-driven instability of a divergent flow. Physical Review Fluids, 2021, 6, .	2.5	1
5	Azimuthal instability of the radial thermocapillary flow around a hot bead trapped at the waterâ€“air interface. Physics of Fluids, 2020, 32, .	4.0	14
6	Hydrodynamic response of a surfactant-laden interface to a radial flow. Physical Review Fluids, 2019, 4, .	2.5	6
7	Stripe instabilities in the menisci of free-standing smectic films: influence of the phase sequence of the mesogenic material. Liquid Crystals, 2018, 45, 1415-1418.	2.2	1
8	Structures in the meniscus of smectic membranes: the role of dislocations?. Soft Matter, 2017, 13, 3649-3663.	2.7	17
9	Behaviors of ellipsoidal micro-particles within a two-beam optical levitator. Journal of Quantitative Spectroscopy and Radiative Transfer, 2017, 195, 85-96.	2.3	2
10	Nonlinear Oscillatory States of Spheroidal Particles in a Two-Beam Trap Geometry. , 2017, , .		0
11	Computational study of radiation torque on arbitrary shaped particles with MLFMA. Optics Express, 2015, 23, 23365.	3.4	3
12	Optically driven oscillations of ellipsoidal particles. Part I: Experimental observations. European Physical Journal E, 2014, 37, 124.	1.6	13
13	Optically driven oscillations of ellipsoidal particles. Part II: Ray-optics calculations. European Physical Journal E, 2014, 37, 125.	1.6	8
14	Optical levitation and long-working-distance trapping: From spherical up to high aspect ratio ellipsoidal particles. Journal of Quantitative Spectroscopy and Radiative Transfer, 2013, 126, 61-68.	2.3	12