

Gilles Demouchy

List of Publications by Year in descending order

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Version: 2024-02-01

14
papers

365
citations

933447

10
h-index

1058476

14
g-index

14
all docs

14
docs citations

14
times ranked

210
citing authors

#	ARTICLE	IF	CITATIONS
1	Effect of an excess of surfactant on thermophoresis, mass diffusion and viscosity in an oily surfactant-stabilized ferrofluid. <i>European Physical Journal E</i> , 2022, 45, 43.	1.6	1
2	Thermodiffusion anisotropy under a magnetic field in ionic liquid-based ferrofluids. <i>Soft Matter</i> , 2021, 17, 4566-4577.	2.7	5
3	Structural, Thermodiffusive and Thermoelectric Properties of Maghemite Nanoparticles Dispersed in Ethylammonium Nitrate. <i>ChemEngineering</i> , 2020, 4, 5.	2.4	13
4	Inversion of thermodiffusive properties of ionic colloidal dispersions in water-DMSO mixtures probed by forced Rayleigh scattering. <i>European Physical Journal E</i> , 2019, 42, 72.	1.6	9
5	Magnetically enhancing the Seebeck coefficient in ferrofluids. <i>Nanoscale Advances</i> , 2019, 1, 2979-2989.	4.6	13
6	Thermodiffusion of citrate-coated Fe_2O_3 nanoparticles in aqueous dispersions with tuned counter-ions $\hat{\epsilon}^*$ anisotropy of the Soret coefficient under a magnetic field. <i>Physical Chemistry Chemical Physics</i> , 2019, 21, 1895-1903.	2.8	11
7	Thermodiffusion of repulsive charged nanoparticles $\hat{\epsilon}^*$ the interplay between single-particle and thermoelectric contributions. <i>Physical Chemistry Chemical Physics</i> , 2018, 20, 16402-16413.	2.8	22
8	Tuning the Solid/Liquid Interface in Ionic Colloidal Dispersions: Influence on Their Structure and Thermodiffusive Properties. <i>Journal of Physical Chemistry C</i> , 2017, 121, 5539-5550.	3.1	19
9	Ionic magnetic fluids in polar solvents with tuned counter-ions. <i>Journal of Magnetism and Magnetic Materials</i> , 2017, 431, 2-7.	2.3	13
10	Thermoelectricity and thermodiffusion in charged colloids. <i>Journal of Chemical Physics</i> , 2015, 143, 054902.	3.0	41
11	Diffusion and thermodiffusion studies in ferrofluids with a new two-dimensional forced Rayleigh-scattering technique. <i>Journal Physics D: Applied Physics</i> , 2004, 37, 1417-1428.	2.8	35
12	Investigation of the sign of the Soret coefficient in different ionic and surfacted magnetic colloids using forced Rayleigh scattering and single-beam Z-scan techniques. <i>Philosophical Magazine</i> , 2003, 83, 2059-2066.	1.6	34
13	Forced Rayleigh Experiment in a Magnetic Fluid. <i>Physical Review Letters</i> , 1995, 74, 5032-5035.	7.8	72
14	Transient grating in a ferrofluid under magnetic field: Effect of magnetic interactions on the diffusion coefficient of translation. <i>Physical Review E</i> , 1995, 52, 3936-3942.	2.1	77