Gilles Demouchy

List of Publications by Year
in descending order

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	Transient grating in a ferrofluid under magnetic field: Effect of magnetic interactions on the diffusion coefficient of translation. Physical Review E, 1995, 52, 3936-3942.	2.1	77
2	Forced Rayleigh Experiment in a Magnetic Fluid. Physical Review Letters, 1995, 74, 5032-5035.	7.8	72
3	Thermoelectricity and thermodiffusion in charged colloids. Journal of Chemical Physics, 2015, 143, 054902.	3.0	41
4	Diffusion and thermodiffusion studies in ferrofluids with a new two-dimensional forced Rayleigh-scattering technique. Journal Physics D: Applied Physics, 2004, 37, 1417-1428.	2.8	35
5	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. Philosophical Magazine, 2003, 83, 2059-2066.	1.6	34
6	Thermodiffusion of repulsive charged nanoparticles â€“ the interplay between single-particle and thermoelectric contributions. Physical Chemistry Chemical Physics, 2018, 20, 16402-16413.	2.8	22
7	Tuning the Solid/Liquid Interface in Ionic Colloidal Dispersions: Influence on Their Structure and Thermodiffusive Properties. Journal of Physical Chemistry C, 2017, 121, 5539-5550.	3.1	19
8	Ionic magnetic fluids in polar solvents with tuned counter-ions. Journal of Magnetism and Magnetic Materials, 2017, 431, 2-7.	2.3	13
9	Magnetically enhancing the Seebeck coefficient in ferrofluids. Nanoscale Advances, 2019, 1, 2979-2989.	4.6	13
10	Structural, Thermodiffusive and Thermoelectric Properties of Maghemite Nanoparticles Dispersed in Ethylammonium Nitrate. ChemEngineering, 2020, 4, 5.	2.4	13
11	Thermodiffusion of citrate-coated Î³-Fe₂O₃ nanoparticles in aqueous dispersions with tuned counter-ions â€“ anisotropy of the Soret coefficient under a magnetic field. Physical Chemistry Chemical Physics, 2019, 21, 1895-1903.	2.8	11
12	Inversion of thermodiffusive properties of ionic colloidal dispersions in water-DMSO mixtures probed by forced Rayleigh scattering. European Physical Journal E, 2019, 42, 72.	1.6	9
13	Thermodiffusion anisotropy under a magnetic field in ionic liquid-based ferrofluids. Soft Matter, 2021, 17, 4566-4577.	2.7	5
14	Effect of an excess of surfactant on thermophoresis, mass diffusion and viscosity in an oily surfactant-stabilized ferrofluid. European Physical Journal E, 2022, 45, 43.	1.6	1