

RÃ©gine Perzynski

List of Publications by Year in descending order

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57
papers

2,257
citations

236612

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docs citations

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times ranked

1922
citing authors

#	ARTICLE	IF	CITATIONS
1	Design of concentrated colloidal dispersions of iron oxide nanoparticles in ionic liquids: Structure and thermal stability from 25 to 200°C. <i>Journal of Colloid and Interface Science</i> , 2022, 607, 584-594.	5.0	11
2	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.	0.7	1
3	Thermodiffusion anisotropy under a magnetic field in ionic liquid-based ferrofluids. <i>Soft Matter</i> , 2021, 17, 4566-4577.	1.2	5
4	Spontaneous order in ensembles of rotating magnetic droplets. <i>Journal of Magnetism and Magnetic Materials</i> , 2020, 500, 166304.	1.0	10
5	Structural, Thermodiffusive and Thermoelectric Properties of Maghemite Nanoparticles Dispersed in Ethylammonium Nitrate. <i>ChemEngineering</i> , 2020, 4, 5.	1.0	13
6	Colloidal dispersions of oxide nanoparticles in ionic liquids: elucidating the key parameters. <i>Nanoscale Advances</i> , 2020, 2, 1560-1572.	2.2	23
7	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.	0.7	9
8	Magnetically enhancing the Seebeck coefficient in ferrofluids. <i>Nanoscale Advances</i> , 2019, 1, 2979-2989.	2.2	13
9	Thermodiffusion of citrate-coated Fe_2O_3 nanoparticles in aqueous dispersions with tuned counter-ions: anisotropy of the Soret coefficient under a magnetic field. <i>Physical Chemistry Chemical Physics</i> , 2019, 21, 1895-1903.	1.3	11
10	Core/Shell Nanoparticles of Non-Stoichiometric ZnMn and ZnCo Ferrites as Thermosensitive Heat Sources for Magnetic Fluid Hyperthermia. <i>Journal of Physical Chemistry C</i> , 2018, 122, 3028-3038.	1.5	68
11	Thermodiffusion of repulsive charged nanoparticles: the interplay between single-particle and thermoelectric contributions. <i>Physical Chemistry Chemical Physics</i> , 2018, 20, 16402-16413.	1.3	22
12	Thermoelectricity and Thermodiffusion in Magnetic Nanofluids: Entropic Analysis. <i>Entropy</i> , 2018, 20, 405.	1.1	21
13	Dispersions of magnetic nanoparticles in the mixture ethyleneglycol-choline chloride: The role of solvent association. <i>Journal of Molecular Liquids</i> , 2018, 268, 545-552.	2.3	3
14	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.	1.5	19
15	Can charged colloidal particles increase the thermoelectric energy conversion efficiency?. <i>Physical Chemistry Chemical Physics</i> , 2017, 19, 9409-9416.	1.3	47
16	Magnetic micro-droplet in rotating field: numerical simulation and comparison with experiment. <i>Journal of Fluid Mechanics</i> , 2017, 821, 266-295.	1.4	17
17	Local Structure of Core-Shell MnFe_2O_4 -Based Nanocrystals: Cation Distribution and Valence States of Manganese Ions. <i>Journal of Physical Chemistry C</i> , 2017, 121, 8982-8991.	1.5	36
18	Ionic magnetic fluids in polar solvents with tuned counter-ions. <i>Journal of Magnetism and Magnetic Materials</i> , 2017, 431, 2-7.	1.0	13

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19	Investigation of water-based and oil-based ferrofluids with a new magnetorheological cell: effect of the microstructure. <i>Rheologica Acta</i> , 2016, 55, 67-81.	1.1	14
20	Magnetic field driven micro-convection in the Hele-Shaw cell: the Brinkman model and its comparison with experiment. <i>Journal of Fluid Mechanics</i> , 2015, 774, 170-191.	1.4	14
21	Magnetic particle mixing with magnetic micro-convection for microfluidics. <i>Journal of Magnetism and Magnetic Materials</i> , 2015, 380, 227-230.	1.0	35
22	Concentrated assemblies of magnetic nanoparticles in ionic liquids. <i>Faraday Discussions</i> , 2015, 181, 193-209.	1.6	13
23	Thermoelectricity and thermodiffusion in charged colloids. <i>Journal of Chemical Physics</i> , 2015, 143, 054902.	1.2	41
24	Microstructure of colloidal dispersions in the ionic liquid ethylammonium nitrate: influence of the nature of the nanoparticles' counterion. <i>Journal of Physics Condensed Matter</i> , 2014, 26, 284113.	0.7	7
25	The cage elasticity and under-field structure of concentrated magnetic colloids probed by small angle X-ray scattering. <i>Soft Matter</i> , 2013, 9, 11480.	1.2	16
26	Structural probing of clusters and gels of self-aggregated magnetic nanoparticles. <i>Magneto hydrodynamics</i> , 2013, 49, 328-338.	0.5	8
27	Local structure of polymeric ferrogels. <i>Journal of Magnetism and Magnetic Materials</i> , 2011, 323, 1211-1215.	1.0	21
28	Dynamics of paramagnetic nanostructured rods under rotating field. <i>Journal of Magnetism and Magnetic Materials</i> , 2011, 323, 1309-1313.	1.0	44
29	Rotational dynamics and aging in a magnetic colloidal glass. <i>Physical Review E</i> , 2009, 80, 041504.	0.8	11
30	Small-angle neutron scattering analysis of a water-based magnetic fluid with charge stabilization: contrast variation and scattering of polarized neutrons. <i>Journal of Applied Crystallography</i> , 2009, 42, 1009-1019.	1.9	33
31	Relaxation of the field-induced structural anisotropy in a rotating magnetic fluid. <i>Europhysics Letters</i> , 2009, 86, 10005.	0.7	11
32	Electrostatic Co-Assembly of Iron Oxide Nanoparticles and Polymers: Towards the Generation of Highly Persistent Superparamagnetic Nanorods. <i>Advanced Materials</i> , 2008, 20, 3877-3881.	11.1	97
33	Magneto-orientational properties of ionically stabilized aqueous dispersions of Ni(OH) ₂ nanoplatelets. <i>European Physical Journal E</i> , 2008, 26, 355-360.	0.7	3
34	Synthesis of Core-Shell Ferrite Nanoparticles for Ferrofluids: Chemical and Magnetic Analysis. <i>Journal of Physical Chemistry C</i> , 2008, 112, 6220-6227.	1.5	125
35	Probing heterogeneous dynamics of a repulsive colloidal glass by time resolved x-ray correlation spectroscopy. <i>Journal of Physics Condensed Matter</i> , 2008, 20, 155104.	0.7	16
36	Reorientation kinetics of superparamagnetic nanostructured rods. <i>Journal of Physics Condensed Matter</i> , 2008, 20, 494216.	0.7	9

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37	Experimental Determination of the Soret Coefficient of Ionic Ferrofluids: Influence of the Volume Fraction and Ionic Strength. <i>Journal of Non-Equilibrium Thermodynamics</i> , 2007, 32, .	2.4	11
38	What Tunes the Structural Anisotropy of Magnetic Fluids under a Magnetic Field?. <i>Journal of Physical Chemistry B</i> , 2006, 110, 4378-4386.	1.2	45
39	Glassy dynamics and aging in a dense ferrofluid. <i>Europhysics Letters</i> , 2006, 75, 764-770.	0.7	63
40	Understanding the structure and the dynamics of magnetic fluids: coupling of experiment and simulation. <i>Journal of Physics Condensed Matter</i> , 2006, 18, S2685-S2696.	0.7	21
41	Rotational arrest in a repulsive colloidal glass. <i>Journal of Physics Condensed Matter</i> , 2006, 18, 10119-10132.	0.7	23
42	Experimental investigation of superspin glass dynamics. <i>Journal of Applied Physics</i> , 2005, 97, 10A502.	1.1	38
43	Magnetization temperature dependence and freezing of surface spins in magnetic fluids based on ferrite nanoparticles. <i>Physical Review B</i> , 2005, 72, .	1.1	128
44	Static and quasi-elastic small angle neutron scattering on biocompatible ionic ferrofluids: magnetic and hydrodynamic interactions. <i>Journal of Physics Condensed Matter</i> , 2003, 15, S1305-S1334.	0.7	44
45	Anisotropy of the structure factor of magnetic fluids under a field probed by small-angle neutron scattering. <i>Physical Review E</i> , 2002, 65, 031403.	0.8	84
46	Liquid-Gas Transitions in Charged Colloidal Dispersions: Small-Angle Neutron Scattering Coupled with Phase Diagrams of Magnetic Fluids. <i>Langmuir</i> , 2000, 16, 5617-5625.	1.6	77
47	Title is missing!. <i>Magneto hydrodynamics</i> , 2000, 36, 300-311.	0.5	20
48	Assembly of microscopic highly magnetic droplets: Magnetic alignment versus viscous drag. <i>Physical Review E</i> , 1999, 59, 1736-1746.	0.8	57
49	Structural analogy between aqueous and oily magnetic fluids. <i>Journal of Chemical Physics</i> , 1999, 111, 7147-7160.	1.2	139
50	pH Effect on an Ionic Ferrofluid: Evidence of a Thixotropic Magnetic Phase. <i>Journal of Physical Chemistry B</i> , 1999, 103, 6421-6428.	1.2	35
51	Static magneto-optical birefringence of size-sorted nanoparticles. <i>European Physical Journal B</i> , 1998, 5, 859-867.	0.6	107
52	Forced Rayleigh Experiment in a Magnetic Fluid. <i>Physical Review Letters</i> , 1995, 74, 5032-5035.	2.9	72
53	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.	0.8	77
54	Behavior of a magnetic fluid microdrop in a rotating magnetic field. <i>Physical Review Letters</i> , 1994, 72, 2705-2708.	2.9	98

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55	Ionic ferrofluids: A crossing of chemistry and physics. Journal of Magnetism and Magnetic Materials, 1990, 85, 27-32.	1.0	220
56	Ferrofluid viscometer. Journal De Physique (Paris), Lettres, 1985, 46, 1199-1205.	2.8	34
57	Small deformation theory for a magnetic droplet in a rotating field. Physics of Fluids, 0, , .	1.6	3