

# Dmitry Zablotzky

## List of Publications by Year in descending order

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Version: 2024-02-01

26  
papers

268  
citations

933447

10  
h-index

940533

16  
g-index

26  
all docs

26  
docs citations

26  
times ranked

219  
citing authors

#	ARTICLE	IF	CITATIONS
1	Surface cooling based on the thermomagnetic convection: Numerical simulation and experiment. <i>International Journal of Heat and Mass Transfer</i> , 2009, 52, 5302-5308.	4.8	59
2	Synthesis and characterization of nanoparticles with an iron oxide magnetic core and a biologically active trialkylsilylated aliphatic alkanolamine shell. <i>Journal of Magnetism and Magnetic Materials</i> , 2007, 311, 135-139.	2.3	20
3	Relating magnetization, structure and rheology in ferrofluids with multi-core magnetic nanoparticles. <i>Journal of Non-Newtonian Fluid Mechanics</i> , 2020, 278, 104248.	2.4	19
4	Features of magnetorheology of biocompatible chain-forming ferrofluids with multi-core magnetic nanoparticles: Experiment and simulation. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2020, 603, 125079.	4.7	18
5	Synthesis, physicochemical and biological study of trialkylsiloxyalkyl amine coated iron oxide/oleic acid magnetic nanoparticles for the treatment of cancer. <i>Applied Organometallic Chemistry</i> , 2008, 22, 82-88.	3.5	16
6	Water-soluble magnetic nanoparticles with biologically active stabilizers. <i>Journal of Magnetism and Magnetic Materials</i> , 2009, 321, 1428-1432.	2.3	16
7	Field effect in the viscosity of magnetic colloids studied by multi-particle collision dynamics. <i>Journal of Magnetism and Magnetic Materials</i> , 2019, 474, 462-466.	2.3	14
8	Magnetic field control of gas-liquid mass transfer in ferrofluids. <i>Journal of Magnetism and Magnetic Materials</i> , 2020, 497, 165958.	2.3	13
9	Self-assembly and rheology of dipolar colloids in simple shear studied using multi-particle collision dynamics. <i>Soft Matter</i> , 2017, 13, 6474-6489.	2.7	12
10	Iron oxide superparamagnetic nanocarriers bearing amphiphilic N-heterocyclic choline analogues as potential antimicrobial agents. <i>Applied Organometallic Chemistry</i> , 2015, 29, 376-383.	3.5	11
11	Numerical investigation of thermomagnetic convection in a heated cylinder under the magnetic field of a solenoid. <i>Journal of Physics Condensed Matter</i> , 2008, 20, 204134.	1.8	10
12	Manifestation of dipole-induced disorder in self-assembly of ferroelectric and ferromagnetic nanocubes. <i>Nanoscale</i> , 2019, 11, 7293-7303.	5.6	10
13	Preparation and cytotoxic properties of goethite-based nanoparticles covered with decyldimethyl(dimethylaminoethoxy) silane methiodide. <i>Applied Organometallic Chemistry</i> , 2010, 24, 193-197.	3.5	9
14	Formation of magnetoconvection by photoabsorptive methods in ferrofluid layers. <i>Comptes Rendus - Mecanique</i> , 2013, 341, 449-454.	2.1	7
15	Magnetically driven microconvective instability of optically induced concentration grating in ferrofluids. <i>Physical Review E</i> , 2011, 84, 026319.	2.1	6
16	Numerical investigation of optically induced microconvection in thin ferrofluid layers. <i>Journal of Magnetism and Magnetic Materials</i> , 2011, 323, 1338-1342.	2.3	5
17	Relaxation mechanisms of photoinduced periodic microstructures in ferrofluid layers. <i>Physical Review E</i> , 2011, 84, 066305.	2.1	5
18	Optofluidic microconvection with magnetic nanoparticles: Novel interaction of thermal diffusion and magnetic field. <i>International Journal of Heat and Mass Transfer</i> , 2021, 164, 120552.	4.8	5

#	ARTICLE	IF	CITATIONS
19	Dynamics of concentration profiles of nano-sized magnetic particles in a non-uniform magnetic field. <i>Magneto</i> hydrodynamics, 2012, 48, 445-450.	0.3	3
20	Numerical investigation of thermo-magneto-solutal flow of ferrocolloid through ordered and disordered permeable membranes. <i>European Physical Journal E</i> , 2015, 38, 122.	1.6	2
21	Iron oxide/oleic acid magnetic nanoparticles possessing biologically active choline derivatives. , 2018, , 279-316.		2
22	Role of Intrinsic Dipoles in the Evaporation-Driven Assembly of Perovskite Nanocubes into Energy-Harvesting Composites. <i>Physica Status Solidi (A) Applications and Materials Science</i> , 2020, 217, 1900533.	1.8	2
23	Optothermal grid activation of microflow with magnetic nanoparticle thermophoresis for microfluidics. <i>Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences</i> , 2022, 380, 20200310.	3.4	2
24	Antimicrobial activity of hybrid organic-inorganic core-shell magnetic nanocomposites. , 2021, , 501-527.		1
25	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
26	Role of Intrinsic Dipoles in the Evaporation-Driven Assembly of Perovskite Nanocubes into Energy-Harvesting Composites. <i>Physica Status Solidi (A) Applications and Materials Science</i> , 2020, 217, 2070024.	1.8	0