

Andrey Yu Zubarev

List of Publications by Year in descending order

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191
papers

2,442
citations

218677

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38
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193
all docs

193
docs citations

193
times ranked

1415
citing authors

#	ARTICLE	IF	CITATIONS
1	Internal structures and mechanical properties of magnetic gels and suspensions. ChemistrySelect, 2023, 8, 1419-1434.	1.5	0
2	Modelling of hemodynamics in bifurcation lesions of coronary arteries before and after myocardial revascularization. Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences, 2022, 380, 20200303.	3.4	11
3	Transport phenomena in complex systems (part 2). Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences, 2022, 380, 20210366.	3.4	2
4	To the theory of magnetically induced flow in a ferrofluid cloud: effect of the cloud initial shape. European Physical Journal: Special Topics, 2022, 231, 1187-1194.	2.6	3
5	Nonlinear theory of macroscopic flow induced in a drop of ferrofluid. Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences, 2021, 379, 20200323.	3.4	3
6	Variable-order fractional master equation and clustering of particles: non-uniform lysosome distribution. Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences, 2021, 379, 20200317.	3.4	5
7	Effect of ring-shaped clusters on magnetic hyperthermia: modelling approach. Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences, 2021, 379, 20200316.	3.4	4
8	Transport phenomena in complex systems (part 1). Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences, 2021, 379, 20200301.	3.4	8
9	A kinetic model for magnetostriction of a ferrogel with physical networking. Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences, 2021, 379, 20200315.	3.4	2
10	Composite polymer hydrogels with high and reversible elongation under magnetic stimuli. Polymer, 2021, 230, 124093.	3.8	15
11	Reconfiguring nanostructures in magnetic fluids using pH and magnetic stimulus for tuning optical properties. Journal of Magnetism and Magnetic Materials, 2021, 539, 168351.	2.3	4
12	Theory of static magnetization of magnetopolymer composites: The second virial approximation. Physical Review E, 2021, 104, 054616.	2.1	5
13	Elastic stress in ferrogels with chain aggregates. Journal of Magnetism and Magnetic Materials, 2020, 498, 166126.	2.3	2
14	Internal structures and elastic properties of dense magnetic fluids. Journal of Magnetism and Magnetic Materials, 2020, 498, 166129.	2.3	5
15	Elastic properties of ferrogels with chain-like structures. Physica A: Statistical Mechanics and Its Applications, 2020, 545, 123723.	2.6	0
16	Effect of magnetophoresis and Brownian diffusion on mechanical processes in magnetic fluids: The role of a condensation phase transition. Journal of Magnetism and Magnetic Materials, 2020, 498, 166148.	2.3	6
17	Magnetorheological Effect of Magnetoactive Elastomer with a Permalloy Filler. Polymers, 2020, 12, 2371.	4.5	15
18	Chain Formation and Phase Separation in Ferrofluids: The Influence on Viscous Properties. Materials, 2020, 13, 3956.	2.9	26

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19	In-silico study of hemodynamic effects in a coronary artery with stenosis. European Physical Journal: Special Topics, 2020, 229, 3009-3020.	2.6	9
20	Towards a theory of magnetic hyperthermia: effect of immobilized chain-like aggregates. European Physical Journal: Special Topics, 2020, 229, 2991-3007.	2.6	3
21	Unified mathematical model of the kinetics of nanoparticle phase condensation in magnetic fields. Mathematical Methods in the Applied Sciences, 2020, 44, 12088.	2.3	2
22	Internal structures and elastic properties of concentrated magnetorheological fluids. European Physical Journal: Special Topics, 2020, 229, 2967-2979.	2.6	2
23	A study of easy magnetization axes of ferro-nanoparticles on magnetic hyperthermia. AIP Conference Proceedings, 2020, , .	0.4	2
24	Phase-structural and non-linear effects in heterogeneous systems. European Physical Journal: Special Topics, 2020, 229, 2881-2884.	2.6	0
25	Kinetics of field-induced phase separation of a magnetic colloid under rotating magnetic fields. Journal of Chemical Physics, 2020, 153, 154902.	3.0	5
26	Field-induced circulation flow in magnetic fluids. Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences, 2020, 378, 20190250.	3.4	10
27	On the theory of magnetic hyperthermia: clusterization of nanoparticles. Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences, 2020, 378, 20190251.	3.4	20
28	Role of particle clusters on the rheology of magneto-polymer fluids and gels. Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences, 2020, 378, 20190254.	3.4	6
29	Diffusion Mass and Heat Transfer in a Plane Axisymmetric Layer of a Magnetic Fluid. Journal of Engineering Physics and Thermophysics, 2020, 93, 509-518.	0.6	0
30	Effect of ferromagnetic nanoparticles aggregation on magnetic hyperthermia. European Physical Journal: Special Topics, 2020, 229, 323-329.	2.6	14
31	Magnetic hyperthermia in a system of dense cluster of ferromagnetic nanoparticles. European Physical Journal: Special Topics, 2020, 229, 315-322.	2.6	7
32	Patterns in soft and biological matters. Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences, 2020, 378, 20200002.	3.4	37
33	To the theory of magnetic hyperthermia in viscoelastic media: effect of interparticle interaction. European Physical Journal: Special Topics, 2020, 229, 2981-2990.	2.6	2
34	To the theory of ferrohydrodynamic circulating flow induced by running magnetic field. European Physical Journal: Special Topics, 2020, 229, 2961-2966.	2.6	3
35	Heat Exchange Within the Surrounding Biological Tissue During Magnetic Hyperthermia. Mathematical Modelling of Engineering Problems, 2020, 7, 196-200.	0.5	4
36	Rheological properties of magnetic biogels. Archive of Applied Mechanics, 2019, 89, 91-103.	2.2	8

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37	Magnetic hyperthermia in a system of immobilized magnetically interacting particles. <i>Physical Review E</i> , 2019, 99, 062609.	2.1	17
38	Ferrogels Ultrasonography for Biomedical Applications. <i>Sensors</i> , 2019, 19, 3959.	3.8	11
39	Magnetorheology of alginate ferrogels. <i>Smart Materials and Structures</i> , 2019, 28, 035018.	3.5	15
40	To the theory of mechano-magnetic effects in ferrogels. <i>Journal of Magnetism and Magnetic Materials</i> , 2019, 478, 211-215.	2.3	3
41	Positive feedback of interparticle interaction on magnetic hyperthermia. <i>Journal of Magnetism and Magnetic Materials</i> , 2019, 489, 165402.	2.3	9
42	To the theory of magnetic hyperthermia in a system of single-domain ferromagnetic particles. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2019, 528, 121500.	2.6	3
43	Effect of internal chain-like structures on magnetic hyperthermia in non-liquid media. <i>Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences</i> , 2019, 377, 20180213.	3.4	14
44	Effect of interparticle interaction on magnetic hyperthermia: homogeneous spatial distribution of the particles. <i>Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences</i> , 2019, 377, 20180216.	3.4	18
45	Heterogeneous materials: metastable and non-ergodic internal structures. <i>Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences</i> , 2019, 377, 20180353.	3.4	44
46	Shear modulus of isotropic ferrogels. <i>Journal of Magnetism and Magnetic Materials</i> , 2019, 477, 136-141.	2.3	2
47	On the theory of hysteretic magnetostriction of soft ferrogels. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2018, 498, 86-95.	2.6	8
48	Non-ergodic tube structures in magnetic gels and suspensions. <i>Soft Matter</i> , 2018, 14, 8537-8544.	2.7	13
49	Shear Elasticity of Magnetic Gels with Internal Structures. <i>Sensors</i> , 2018, 18, 2054.	3.8	14
50	Magnetic hyperthermia in a system of ferromagnetic particles, frozen in a carrier medium: Effect of interparticle interactions. <i>Physical Review E</i> , 2018, 98, .	2.1	22
51	Rheology of magnetic alginate hydrogels. <i>Journal of Rheology</i> , 2018, 62, 1083-1096.	2.6	35
52	Discontinuous shear thickening in the presence of polymers adsorbed on the surface of calcium carbonate particles. <i>Rheologica Acta</i> , 2017, 56, 415-430.	2.4	39
53	Shear elastic modulus of magnetic gels with random distribution of magnetizable particles. <i>IOP Conference Series: Materials Science and Engineering</i> , 2017, 192, 012018.	0.6	0
54	Effect of particle concentration on the microstructural and macromechanical properties of biocompatible magnetic hydrogels. <i>Soft Matter</i> , 2017, 13, 2928-2941.	2.7	66

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55	Two-stage kinetics of field-induced aggregation of medium-sized magnetic nanoparticles. <i>Journal of Chemical Physics</i> , 2017, 146, 114902.	3.0	27
56	Polyacrylamide ferrogels with embedded maghemite nanoparticles for biomedical engineering. <i>Results in Physics</i> , 2017, 7, 3624-3633.	4.1	42
57	To the theory of elastic properties of isotropic magnetic gels. Effect of interparticle interaction. <i>Smart Materials and Structures</i> , 2017, 26, 095028.	3.5	2
58	Magnetic field angle dependent hysteresis of a magnetorheological suspension. <i>Journal of Magnetism and Magnetic Materials</i> , 2017, 443, 275-280.	2.3	8
59	Shear elasticity of isotropic magnetic gels. <i>Physical Review E</i> , 2017, 96, 022605.	2.1	10
60	To the theory of shear elastic properties of magnetic gels. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2017, 486, 908-914.	2.6	8
61	Hysteresis of ferrogels magnetostriction. <i>Journal of Magnetism and Magnetic Materials</i> , 2017, 431, 120-122.	2.3	12
62	Magnetic hyperthermia in solid magnetic colloids. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2017, 467, 59-66.	2.6	22
63	Magnetic filtration of phase separating ferrofluids: From basic concepts to microfluidic device. <i>Journal of Magnetism and Magnetic Materials</i> , 2017, 431, 84-90.	2.3	11
64	Synthesis, characterization and in vivo evaluation of biocompatible ferrogels. <i>Journal of Magnetism and Magnetic Materials</i> , 2017, 431, 110-114.	2.3	13
65	Kinetics of doublet formation in bicomponent magnetic suspensions: The role of the magnetic permeability anisotropy. <i>Physical Review E</i> , 2017, 96, 062604.	2.1	8
66	N-like rheograms of concentrated suspensions of magnetic particles. <i>Journal of Rheology</i> , 2016, 60, 267-274.	2.6	5
67	Apparent yield stress in rigid fibre suspensions: the role of attractive colloidal interactions. <i>Journal of Fluid Mechanics</i> , 2016, 802, 611-633.	3.4	13
68	Hysteresis of the magnetic properties of soft magnetic gels. <i>Soft Matter</i> , 2016, 12, 6473-6480.	2.7	44
69	Microfluidic separation of magnetic nanoparticles on an ordered array of magnetized micropillars. <i>Physical Review E</i> , 2016, 93, 062604.	2.1	13
70	Evolution of ammonium metavanadate crystals in polyvinyl alcohol films. <i>Crystallography Reports</i> , 2016, 61, 320-326.	0.6	1
71	Towards a theory of mechanical properties of ferrogels. Effect of chain-like aggregates. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2016, 455, 98-103.	2.6	14
72	Mechanics of Magnetopolymer Composites: A Review. <i>Journal of Nanofluids</i> , 2016, 5, 479-495.	2.7	69

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73	Functionalized microfibers for field-responsive materials and biological applications. Journal of Intelligent Material Systems and Structures, 2015, 26, 1871-1879.	2.5	13
74	Stick-Slip Instabilities in Magnetorheological Fluids. , 2015, , 203-233.		1
75	Effect of particle concentration on ferrogel magnetodeformation. Journal of Magnetism and Magnetic Materials, 2015, 377, 373-377.	2.3	36
76	Experimental, numerical, and theoretical investigation on the concentration-dependent Soret effect in magnetic fluids. Physics of Fluids, 2015, 27, .	4.0	10
77	On the self-assembly of net-like nanostructures in ferrofluids. Physica A: Statistical Mechanics and Its Applications, 2015, 428, 257-265.	2.6	13
78	Persistent random walk of cells involving anomalous effects and random death. Physical Review E, 2015, 91, 042124.	2.1	21
79	Closed-loop magnetic separation of nanoparticles on a packed bed of spheres. Journal of Applied Physics, 2015, 117, 17C719.	2.5	10
80	Effect of interparticle interaction on magnetic hyperthermia in ferrofluids. Physica A: Statistical Mechanics and Its Applications, 2015, 438, 487-492.	2.6	19
81	Behavior of nanoparticle clouds around a magnetized microsphere under magnetic and flow fields. Physical Review E, 2014, 89, 032310.	2.1	21
82	Negative differential viscosity in magnetic suspensions. Journal of Experimental and Theoretical Physics, 2014, 118, 814-821.	0.9	0
83	Inverse magnetorheological fluids. Soft Matter, 2014, 10, 6256-6265.	2.7	16
84	Magnetorheological effect in the magnetic field oriented along the vorticity. Journal of Rheology, 2014, 58, 1829-1853.	2.6	9
85	Magnetodeformation and elastic properties of ferrogels and ferroelastomers. Physica A: Statistical Mechanics and Its Applications, 2014, 413, 400-408.	2.6	20
86	Stress relaxation in a ferrofluid with clustered nanoparticles. Journal of Physics Condensed Matter, 2014, 26, 406002.	1.8	15
87	On the theory of magnetoviscous effect in magnetorheological suspensions. Journal of Rheology, 2014, 58, 1673-1692.	2.6	19
88	Effect of drop-like aggregates on the viscous stress in magnetic suspensions. Journal of Non-Newtonian Fluid Mechanics, 2014, 208-209, 53-58.	2.4	8
89	On the theory of rheological properties of bimodal magnetic fluids. Physica A: Statistical Mechanics and Its Applications, 2014, 406, 298-306.	2.6	4
90	Structurization of ferrofluids in the absence of an external magnetic field. Journal of Experimental and Theoretical Physics, 2013, 116, 286-292.	0.9	4

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91	Magnetorheological properties of ferrofluids containing clustered particles. Colloid Journal, 2013, 75, 514-523.	1.3	6
92	Shear thickening of dense suspensions due to energy dissipation in lubrication layers between particles. Physical Review E, 2013, 88, 032303.	2.1	2
93	To the theory of rheological properties of magnetopolymer suspensions. Soft Matter, 2013, 9, 9709.	2.7	0
94	On the theory of transport phenomena in ferrofluids. Effect of chain-like aggregates. Physica A: Statistical Mechanics and Its Applications, 2013, 392, 72-78.	2.6	8
95	Magnetodeformation of ferrogels and ferroelastomers. Effect of microstructure of the particles's spatial disposition. Physica A: Statistical Mechanics and Its Applications, 2013, 392, 4824-4836.	2.6	42
96	Kinetics of internal structures growth in magnetic suspensions. Physica A: Statistical Mechanics and Its Applications, 2013, 392, 1567-1576.	2.6	25
97	Diffusion and magnetotransport in ferrofluids containing chain-shaped aggregates. Colloid Journal, 2013, 75, 59-65.	1.3	2
98	On the theory of structuring magnetic suspensions. Colloid Journal, 2013, 75, 66-72.	1.3	1
99	N-Like rheograms of suspensions of magnetic nanofibers. Soft Matter, 2013, 9, 1902-1907.	2.7	5
100	Effect of chain-like aggregates on ferrogel magnetodeformation. Soft Matter, 2013, 9, 4985.	2.7	27
101	Haloing in bimodal magnetic colloids: The role of field-induced phase separation. Physical Review E, 2012, 86, 011404.	2.1	24
102	Colloids on the Frontier of Ferrofluids. Rheological Properties. Langmuir, 2012, 28, 6232-6245.	3.5	84
103	Noise-Induced Oscillations in the flow of Concentrated Suspensions. Prikladnaya Matematika I Mekhanika, 2012, 76, 466-474.	0.4	5
104	On the theory of the magnetic deformation of ferrogels. Soft Matter, 2012, 8, 3174.	2.7	44
105	On the theory of the dynamical properties of nematics. Physica A: Statistical Mechanics and Its Applications, 2012, 391, 4448-4459.	2.6	0
106	On the theory of birefringence in magnetic fluids. Colloid Journal, 2012, 74, 695-702.	1.3	12
107	Yield stress of magnetic suspensions. Colloid Journal, 2012, 74, 703-707.	1.3	1
108	MICRODYNAMICS OF MAGNETIC PARTICLES DISPERSED IN COMPLEX MEDIA. International Journal of Modern Physics B, 2011, 25, 905-910.	2.0	0

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109	Stability and magnetorheological behaviour of magnetic fluids based on ionic liquids. Journal of Physics Condensed Matter, 2011, 23, 455101.	1.8	37
110	On the nonlinear rheology of magnetic fluids. Colloid Journal, 2011, 73, 327-339.	1.3	4
111	Kinetics aggregation of magnetic suspensions. Physica A: Statistical Mechanics and Its Applications, 2011, 390, 2655-2663.	2.6	14
112	Ferrofluid with clustered iron nanoparticles: Slow relaxation of rheological properties under joint action of shear flow and magnetic field. Journal of Magnetism and Magnetic Materials, 2011, 323, 1273-1277.	2.3	39
113	MICRODYNAMICS OF MAGNETIC PARTICLES DISPERSED IN COMPLEX MEDIA. , 2011, , .		0
114	On the theory of oscillating flows in complex liquids. Colloid Journal, 2010, 72, 153-157.	1.3	4
115	Kinetics of growth of chain aggregates in magnetic suspensions. Colloid Journal, 2010, 72, 799-805.	1.3	5
116	On the theory of the magnetoviscous effect in ferrofluids. Journal of Experimental and Theoretical Physics, 2010, 110, 995-1004.	0.9	11
117	Effect of gap thickness on the viscoelasticity of magnetorheological fluids. Journal of Applied Physics, 2010, 108, 083503.	2.5	18
118	Anomalous transport and nonlinear reactions in spiny dendrites. Physical Review E, 2010, 82, 041103.	2.1	22
119	Viscoelastic properties of ferrofluids. Physical Review E, 2010, 82, 051405.	2.1	29
120	Repulsive force between two attractive dipoles, mediated by nanoparticles inside a ferrofluid. Soft Matter, 2010, 6, 4346.	2.7	34
121	On rheophysics of high-concentrated suspensions. Colloid Journal, 2009, 71, 446-454.	1.3	22
122	Structural transformations in magnetic suspensions. Colloid Journal, 2009, 71, 493-497.	1.3	2
123	Condensation phase transitions in ferrofluids. Physical Review E, 2009, 79, 011401.	2.1	18
124	Theoretical study of the magnetization dynamics of nondilute ferrofluids. Physical Review E, 2009, 79, 021407.	2.1	37
125	Rheological properties of magnetic suspensions. Journal of Physics Condensed Matter, 2008, 20, 204138.	1.8	3
126	Internal structures in two-dimensional ferrofluids. Physical Review E, 2007, 76, 061405.	2.1	12

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127	Analysis of chaining structures in colloidal suspensions subjected to an electric field. Physical Review E, 2007, 76, 041401.	2.1	24
128	On the theory of rheological properties of magnetic suspensions. Physica A: Statistical Mechanics and Its Applications, 2007, 382, 378-388.	2.6	27
129	Rheological properties of ferrofluids with drop-like aggregates. Physica A: Statistical Mechanics and Its Applications, 2007, 376, 38-50.	2.6	25
130	Simulation of the rheological properties of liquid media containing solid anisometric particles. Colloid Journal, 2007, 69, 726-734.	1.3	1
131	On the theory of phase transitions in magnetic fluids. Journal of Experimental and Theoretical Physics, 2007, 105, 1018-1034.	0.9	4
132	Yield stress in thin layers of ferrofluids. Physica A: Statistical Mechanics and Its Applications, 2006, 365, 265-281.	2.6	29
133	Phase and structural transformations in magnetorheological suspensions. Physica A: Statistical Mechanics and Its Applications, 2006, 366, 18-30.	2.6	14
134	Direct and inverse domain structures in ferrofluids. Physica A: Statistical Mechanics and Its Applications, 2006, 367, 55-68.	2.6	12
135	On the theory of structural transformations in polar colloids. Colloid Journal, 2006, 68, 45-53.	1.3	0
136	Evolution of an ensemble of fractal aggregates in a colloidal system. Journal of Experimental and Theoretical Physics, 2006, 103, 917-925.	0.9	4
137	Rheological properties of ferrofluids with microstructures. Journal of Physics Condensed Matter, 2006, 18, S2771-S2784.	1.8	21
138	Condensation phase transitions in bidisperse colloids. Physica A: Statistical Mechanics and Its Applications, 2005, 349, 1-10.	2.6	10
139	Towards a theory of dynamical properties of polydisperse magnetic fluids: Effect of chain-like aggregates. Physica A: Statistical Mechanics and Its Applications, 2005, 358, 475-491.	2.6	80
140	On the Theory of Phase Transitions in Magnetorheological Suspensions. Colloid Journal, 2005, 67, 564-572.	1.3	1
141	To the Theory of the Aggregation of Polydisperse Colloids. Colloid Journal, 2004, 66, 296-301.	1.3	1
142	Self-Similar Wave of Swelling/Collapse Phase Transition along Polyelectrolyte Gel. Macromolecular Theory and Simulations, 2004, 13, 697-701.	1.4	4
143	Chain-like structures in polydisperse ferrofluids. Physica A: Statistical Mechanics and Its Applications, 2004, 335, 314-324.	2.6	18
144	Phase Transitions in Electro- and Magnetorheological Fluids. Colloid Journal, 2003, 65, 159-165.	1.3	3

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145	On the Theory of Structural Transformations in Magnetic Fluids. Colloid Journal, 2003, 65, 703-710.	1.3	17
146	Structural Transformations in Polydisperse Ferrofluids. Colloid Journal, 2003, 65, 711-719.	1.3	17
147	Non-Local Mean Field Dynamo Theory and Magnetic Fronts in Galaxies. Geophysical and Astrophysical Fluid Dynamics, 2003, 97, 135-148.	1.2	4
148	Structural transformations in ferrofluids. Physical Review E, 2003, 68, 061203.	2.1	29
149	Dynamics of colloidal suspensions of ferromagnetic particles in plane Couette flow: Comparison of approximate solutions with Brownian dynamics simulations. Physical Review E, 2003, 67, 061401.	2.1	22
150	Memory effects in a turbulent dynamo: Generation and propagation of a large-scale magnetic field. Physical Review E, 2002, 65, 036313.	2.1	10
151	Theory of structural transformations in ferrofluids: Chains and "gas-liquid" phase transitions. Physical Review E, 2002, 65, 061406.	2.1	59
152	Effect of interaction between chains on their size distribution: Strong magnetic field. Physical Review E, 2002, 66, 041405.	2.1	29
153	Fractal structure of a colloidal aggregate. Doklady Physics, 2002, 47, 261-266.	0.7	1
154	Statistical Physics of Non-dilute Ferrofluids. Lecture Notes in Physics, 2002, , 143-161.	0.7	13
155	On the theory of physical properties and phase transitions in ferrosmeectics. Physica A: Statistical Mechanics and Its Applications, 2001, 291, 362-374.	2.6	1
156	On the Theory of Condensation Phase Transitions in Magnetic and Electrorheological Suspensions. Colloid Journal, 2001, 63, 306-311.	1.3	0
157	On the Theory of the Dynamic Properties of Dense Magnetic Fluids: Polydisperse Media. Colloid Journal, 2001, 63, 706-713.	1.3	3
158	Rheological properties of polydisperse magnetic fluids. Effect of chain aggregates. Journal of Experimental and Theoretical Physics, 2001, 93, 80-88.	0.9	30
159	Dynamical susceptibility of solid ferrocolloids. Physical Review E, 2001, 63, 061507.	2.1	13
160	Effect of chainlike aggregates on dynamical properties of magnetic liquids. Physical Review E, 2000, 61, 5415-5421.	2.1	81
161	To the Theory of Rheological Properties of Magnetic Colloids with Chain-Like Aggregates. International Journal of Fluid Mechanics Research, 1999, 26, 98-109.	0.4	0
162	Dynamic properties of moderately concentrated magnetic liquids. Journal of Experimental and Theoretical Physics, 1998, 87, 484-493.	0.9	30

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163	Nucleation stage of ferrocolloid phase separation induced by an external magnetic field. <i>Physica A: Statistical Mechanics and Its Applications</i> , 1998, 251, 332-347.	2.6	10
164	Ostwald ripening kinetics in a magnetic fluid made metastable by a strengthening of an external magnetic field. <i>Physical Review E</i> , 1998, 58, 7517-7522.	2.1	10
165	Nonequilibrium structures in the thin layers of ferronematics. <i>Physical Review E</i> , 1998, 57, 4296-4304.	2.1	0
166	Magnetic susceptibility of ferrocolloids with frozen texture. <i>Physical Review E</i> , 1998, 58, 6003-6014.	2.1	5
167	To the theory of kinetic properties of polar nematics. <i>Physica A: Statistical Mechanics and Its Applications</i> , 1996, 229, 188-202.	2.6	6
168	Statistical thermodynamics of ferronematic. <i>Physica A: Statistical Mechanics and Its Applications</i> , 1996, 229, 203-217.	2.6	3
169	Domain structures in thin layers of a ferrocolloid. <i>Journal De Physique II</i> , 1993, 3, 1633-1645.	0.9	10
170	Liquid filtration in finely porous capillary structures. <i>Journal of Engineering Physics and Thermophysics</i> , 1992, 62, 52-54.	0.6	0
171	The non-newtonian hydromechanics of suspensions. <i>Journal of Engineering Physics</i> , 1990, 59, 842-848.	0.0	0
172	The theory of the rheological properties of disperse systems. <i>Journal of Engineering Physics</i> , 1990, 58, 547-554.	0.0	0
173	Hydromechanics of brownian suspensions. <i>Journal of Engineering Physics</i> , 1990, 58, 427-434.	0.0	0
174	Non-Newtonian properties of emulsions in solutions of surface-active agents. <i>Journal of Engineering Physics</i> , 1989, 56, 558-563.	0.0	0
175	The hydromechanics of suspensions. <i>Journal of Engineering Physics</i> , 1989, 57, 1030-1038.	0.0	3
176	Toward a theory of transport processes in Brownian suspensions. <i>Journal of Engineering Physics</i> , 1989, 57, 1327-1333.	0.0	0
177	Rheological properties of finely dispersed suspensions. <i>Journal of Engineering Physics</i> , 1989, 57, 1437-1442.	0.0	1
178	Relaxational filtration. <i>Journal of Engineering Physics</i> , 1988, 55, 1020-1024.	0.0	4
179	Effective thermal conductivity of a structured powder. <i>Journal of Engineering Physics</i> , 1988, 55, 799-805.	0.0	0
180	Effective viscosity of an emulsion in a surfactant solution. <i>Journal of Engineering Physics</i> , 1988, 54, 504-509.	0.0	1

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181	Diffusion in disperse medium with heterogeneous transformations. Journal of Engineering Physics, 1987, 53, 887-893.	0.0	0
182	Influence of internal heat sources on nonstationary heat transfer in disperse systems. Journal of Engineering Physics, 1986, 50, 202-207.	0.0	0
183	Effective rheological properties of a disperse mixture of viscoelastic materials. Journal of Engineering Physics, 1986, 50, 315-324.	0.0	0
184	Thermoelastic effects in disperse systems. Journal of Engineering Physics, 1986, 51, 934-940.	0.0	0
185	Effective transport coefficients in a disperse medium with ellipsoidal inclusions. Journal of Engineering Physics, 1986, 51, 810-818.	0.0	0
186	To the Theory of Hyperthermia Effect Induced by Magnetic Nanoparticles. Solid State Phenomena, 0, 233-234, 771-775.	0.3	2
187	Specific loss power of epoxy composites with embedded magnetite particles. European Physical Journal: Special Topics, 0, , 1.	2.6	1
188	Surface influence on the stationary shear deformation of a magnetorheological fluid. European Physical Journal: Special Topics, 0, , 1.	2.6	3
189	Gradient diffusion in ferrofluids with chain aggregates. European Physical Journal: Special Topics, 0, , 1.	2.6	1
190	Magnetorheological effect in dense magnetic polymers. European Physical Journal: Special Topics, 0, , 1.	2.6	1
191	Transport phenomena and phase transitions in soft and disordered systems. European Physical Journal: Special Topics, 0, , .	2.6	0