Andrey Yu Zubarev

List of Publications by Year
in descending order

191	2,442	218677	315739
papers	citations	26 h-index	38 g-index

193	193	193	1415
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Colloids on the Frontier of Ferrofluids. Rheological Properties. Langmuir, 2012, 28, 6232-6245.	3.5	84
2	Effect of chainlike aggregates on dynamical properties of magnetic liquids. Physical Review E, 2000, 61, 5415-5421.	2.1	81
3	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
4	Mechanics of Magnetopolymer Composites: A Review. Journal of Nanofluids, 2016, 5, 479-495.	2.7	69
5	Effect of particle concentration on the microstructural and macromechanical properties of biocompatible magnetic hydrogels. Soft Matter, 2017, 13, 2928-2941.	2.7	66
6	Theory of structural transformations in ferrofluids: Chains and â€œgas-liquidâ€•phase transitions. Physical Review E, 2002, 65, 061406.	2.1	59
7	On the theory of the magnetic deformation of ferrogels. Soft Matter, 2012, 8, 3174.	2.7	44
8	Hysteresis of the magnetic properties of soft magnetic gels. Soft Matter, 2016, 12, 6473-6480.	2.7	44
9	Heterogeneous materials: metastable and non-ergodic internal structures. Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences, 2019, 377, 20180353.	3.4	44
10	Magnetodeformation of ferrogels and ferroelastomers. Effect of microstructure of the particlesâ€™ spatial disposition. Physica A: Statistical Mechanics and Its Applications, 2013, 392, 4824-4836.	2.6	42
11	Polyacrylamide ferrogels with embedded maghemite nanoparticles for biomedical engineering. Results in Physics, 2017, 7, 3624-3633.	4.1	42
12	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
13	Discontinuous shear thickening in the presence of polymers adsorbed on the surface of calcium carbonate particles. Rheologica Acta, 2017, 56, 415-430.	2.4	39
14	Theoretical study of the magnetization dynamics of nondilute ferrofluids. Physical Review E, 2009, 79, 021407.	2.1	37
15	Stability and magnetorheological behaviour of magnetic fluids based on ionic liquids. Journal of Physics Condensed Matter, 2011, 23, 455101.	1.8	37
16	Patterns in soft and biological matters. Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences, 2020, 378, 20200002.	3.4	37
17	Effect of particle concentration on ferrogel magnetodeformation. Journal of Magnetism and Magnetic Materials, 2015, 377, 373-377.	2.3	36
18	Rheology of magnetic alginate hydrogels. Journal of Rheology, 2018, 62, 1083-1096.	2.6	35

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19	Repulsive force between two attractive dipoles, mediated by nanoparticles inside a ferrofluid. Soft Matter, 2010, 6, 4346.	2.7	34
20	Dynamic properties of moderately concentrated magnetic liquids. Journal of Experimental and Theoretical Physics, 1998, 87, 484-493.	0.9	30
21	Rheological properties of polydisperse magnetic fluids. Effect of chain aggregates. Journal of Experimental and Theoretical Physics, 2001, 93, 80-88.	0.9	30
22	Effect of interaction between chains on their size distribution: Strong magnetic field. Physical Review E, 2002, 66, 041405.	2.1	29
23	Structural transformations in ferrofluids. Physical Review E, 2003, 68, 061203.	2.1	29
24	Yield stress in thin layers of ferrofluids. Physica A: Statistical Mechanics and Its Applications, 2006, 365, 265-281.	2.6	29
25	Viscoelastic properties of ferrofluids. Physical Review E, 2010, 82, 051405.	2.1	29
26	On the theory of rheological properties of magnetic suspensions. Physica A: Statistical Mechanics and Its Applications, 2007, 382, 378-388.	2.6	27
27	Effect of chain-like aggregates on ferrogel magnetodeformation. Soft Matter, 2013, 9, 4985.	2.7	27
28	Two-stage kinetics of field-induced aggregation of medium-sized magnetic nanoparticles. Journal of Chemical Physics, 2017, 146, 114902.	3.0	27
29	Chain Formation and Phase Separation in Ferrofluids: The Influence on Viscous Properties. Materials, 2020, 13, 3956.	2.9	26
30	Rheological properties of ferrofluids with drop-like aggregates. Physica A: Statistical Mechanics and Its Applications, 2007, 376, 38-50.	2.6	25
31	Kinetics of internal structures growth in magnetic suspensions. Physica A: Statistical Mechanics and Its Applications, 2013, 392, 1567-1576.	2.6	25
32	Analysis of chaining structures in colloidal suspensions subjected to an electric field. Physical Review E, 2007, 76, 041401.	2.1	24
33	Haloing in bimodal magnetic colloids: The role of field-induced phase separation. Physical Review E, 2012, 86, 011404.	2.1	24
34	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
35	On rheophysics of high-concentrated suspensions. Colloid Journal, 2009, 71, 446-454.	1.3	22
36	Anomalous transport and nonlinear reactions in spiny dendrites. Physical Review E, 2010, 82, 041103.	2.1	22

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37	Magnetic hyperthermia in solid magnetic colloids. Physica A: Statistical Mechanics and Its Applications, 2017, 467, 59-66.	2.6	22
38	Magnetic hyperthermia in a system of ferromagnetic particles, frozen in a carrier medium: Effect of interparticle interactions. Physical Review E, 2018, 98, .	2.1	22
39	Rheological properties of ferrofluids with microstructures. Journal of Physics Condensed Matter, 2006, 18, S2771-S2784.	1.8	21
40	Behavior of nanoparticle clouds around a magnetized microsphere under magnetic and flow fields. Physical Review E, 2014, 89, 032310.	2.1	21
41	Persistent random walk of cells involving anomalous effects and random death. Physical Review E, 2015, 91, 042124.	2.1	21
42	Magnetodeformation and elastic properties of ferrogels and ferroelastomers. Physica A: Statistical Mechanics and Its Applications, 2014, 413, 400-408.	2.6	20
43	On the theory of magnetic hyperthermia: clusterization of nanoparticles. Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences, 2020, 378, 20190251.	3.4	20
44	On the theory of magnetoviscous effect in magnetorheological suspensions. Journal of Rheology, 2014, 58, 1673-1692.	2.6	19
45	Effect of interparticle interaction on magnetic hyperthermia in ferrofluids. Physica A: Statistical Mechanics and Its Applications, 2015, 438, 487-492.	2.6	19
46	Chain-like structures in polydisperse ferrofluids. Physica A: Statistical Mechanics and Its Applications, 2004, 335, 314-324.	2.6	18
47	Condensation phase transitions in ferrofluids. Physical Review E, 2009, 79, 011401.	2.1	18
48	Effect of gap thickness on the viscoelasticity of magnetorheological fluids. Journal of Applied Physics, 2010, 108, 083503.	2.5	18
49	Effect of interparticle interaction on magnetic hyperthermia: homogeneous spatial distribution of the particles. Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences, 2019, 377, 20180216.	3.4	18
50	On the Theory of Structural Transformations in Magnetic Fluids. Colloid Journal, 2003, 65, 703-710.	1.3	17
51	Structural Transformations in Polydisperse Ferrofluids. Colloid Journal, 2003, 65, 711-719.	1.3	17
52	Magnetic hyperthermia in a system of immobilized magnetically interacting particles. Physical Review E, 2019, 99, 062609.	2.1	17
53	Inverse magnetorheological fluids. Soft Matter, 2014, 10, 6256-6265.	2.7	16
54	Stress relaxation in a ferrofluid with clustered nanoparticles. Journal of Physics Condensed Matter, 2014, 26, 406002.	1.8	15

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55	Magnetorheology of alginate ferrogels. Smart Materials and Structures, 2019, 28, 035018.	3.5	15
56	Magnetorheological Effect of Magnetoactive Elastomer with a Permalloy Filler. Polymers, 2020, 12, 2371.	4.5	15
57	Composite polymer hydrogels with high and reversible elongation under magnetic stimuli. Polymer, 2021, 230, 124093.	3.8	15
58	Phase and structural transformations in magnetorheological suspensions. Physica A: Statistical Mechanics and Its Applications, 2006, 366, 18-30.	2.6	14
59	Kinetics aggregation of magnetic suspensions. Physica A: Statistical Mechanics and Its Applications, 2011, 390, 2655-2663.	2.6	14
60	Towards a theory of mechanical properties of ferrogels. Effect of chain-like aggregates. Physica A: Statistical Mechanics and Its Applications, 2016, 455, 98-103.	2.6	14
61	Shear Elasticity of Magnetic Gels with Internal Structures. Sensors, 2018, 18, 2054.	3.8	14
62	Effect of internal chain-like structures on magnetic hyperthermia in non-liquid media. Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences, 2019, 377, 20180213.	3.4	14
63	Effect of ferromagnetic nanoparticles aggregation on magnetic hyperthermia. European Physical Journal: Special Topics, 2020, 229, 323-329.	2.6	14
64	Dynamical susceptibility of solid ferrocolloids. Physical Review E, 2001, 63, 061507.	2.1	13
65	Functionalized microfibers for field-responsive materials and biological applications. Journal of Intelligent Material Systems and Structures, 2015, 26, 1871-1879.	2.5	13
66	On the self-assembly of net-like nanostructures in ferrofluids. Physica A: Statistical Mechanics and Its Applications, 2015, 428, 257-265.	2.6	13
67	Apparent yield stress in rigid fibre suspensions: the role of attractive colloidal interactions. Journal of Fluid Mechanics, 2016, 802, 611-633.	3.4	13
68	Microfluidic separation of magnetic nanoparticles on an ordered array of magnetized micropillars. Physical Review E, 2016, 93, 062604.	2.1	13
69	Synthesis, characterization and in vivo evaluation of biocompatible ferrogels. Journal of Magnetism and Magnetic Materials, 2017, 431, 110-114.	2.3	13
70	Non-ergodic tube structures in magnetic gels and suspensions. Soft Matter, 2018, 14, 8537-8544.	2.7	13
71	Statistical Physics of Non-dilute Ferrofluids. Lecture Notes in Physics, 2002, , 143-161.	0.7	13
72	Direct and inverse domain structures in ferrofluids. Physica A: Statistical Mechanics and Its Applications, 2006, 367, 55-68.	2.6	12

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73	Internal structures in two-dimensional ferrofluids. Physical Review E, 2007, 76, 061405.	2.1	12
74	On the theory of birefringence in magnetic fluids. Colloid Journal, 2012, 74, 695-702.	1.3	12
75	Hysteresis of ferrogels magnetostriction. Journal of Magnetism and Magnetic Materials, 2017, 431, 120-122.	2.3	12
76	On the theory of the magnetoviscous effect in ferrofluids. Journal of Experimental and Theoretical Physics, 2010, 110, 995-1004.	0.9	11
77	Magnetic filtration of phase separating ferrofluids: From basic concepts to microfluidic device. Journal of Magnetism and Magnetic Materials, 2017, 431, 84-90.	2.3	11
78	Ferrogels Ultrasonography for Biomedical Applications. Sensors, 2019, 19, 3959.	3.8	11
79	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
80	Nucleation stage of ferrocolloid phase separation induced by an external magnetic field. Physica A: Statistical Mechanics and Its Applications, 1998, 251, 332-347.	2.6	10
81	Ostwald ripening kinetics in a magnetic fluid made metastable by a strengthening of an external magnetic field. Physical Review E, 1998, 58, 7517-7522.	2.1	10
82	Memory effects in a turbulent dynamo: Generation and propagation of a large-scale magnetic field. Physical Review E, 2002, 65, 036313.	2.1	10
83	Condensation phase transitions in bidisperse colloids. Physica A: Statistical Mechanics and Its Applications, 2005, 349, 1-10.	2.6	10
84	Experimental, numerical, and theoretical investigation on the concentration-dependent Soret effect in magnetic fluids. Physics of Fluids, 2015, 27, .	4.0	10
85	Closed-loop magnetic separation of nanoparticles on a packed bed of spheres. Journal of Applied Physics, 2015, 117, 17C719.	2.5	10
86	Shear elasticity of isotropic magnetic gels. Physical Review E, 2017, 96, 022605.	2.1	10
87	Field-induced circulation flow in magnetic fluids. Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences, 2020, 378, 20190250.	3.4	10
88	Domain structures in thin layers of a ferrocolloid. Journal De Physique II, 1993, 3, 1633-1645.	0.9	10
89	Magnetorheological effect in the magnetic field oriented along the vorticity. Journal of Rheology, 2014, 58, 1829-1853.	2.6	9
90	Positive feedback of interparticle interaction on magnetic hyperthermia. Journal of Magnetism and Magnetic Materials, 2019, 489, 165402.	2.3	9

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91	In-silico study of hemodynamic effects in a coronary artery with stenosis. European Physical Journal: Special Topics, 2020, 229, 3009-3020.	2.6	9
92	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
93	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
94	Magnetic field angle dependent hysteresis of a magnetorheological suspension. Journal of Magnetism and Magnetic Materials, 2017, 443, 275-280.	2.3	8
95	To the theory of shear elastic properties of magnetic gels. Physica A: Statistical Mechanics and Its Applications, 2017, 486, 908-914.	2.6	8
96	Kinetics of doublet formation in bicomponent magnetic suspensions: The role of the magnetic permeability anisotropy. Physical Review E, 2017, 96, 062604.	2.1	8
97	On the theory of hysteretic magnetostriction of soft ferrogels. Physica A: Statistical Mechanics and Its Applications, 2018, 498, 86-95.	2.6	8
98	Rheological properties of magnetic biogels. Archive of Applied Mechanics, 2019, 89, 91-103.	2.2	8
99	Transport phenomena in complex systems (part 1). Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences, 2021, 379, 20200301.	3.4	8
100	Magnetic hyperthermia in a system of dense cluster of ferromagnetic nanoparticles. European Physical Journal: Special Topics, 2020, 229, 315-322.	2.6	7
101	To the theory of kinetic properties of polar nematics. Physica A: Statistical Mechanics and Its Applications, 1996, 229, 188-202.	2.6	6
102	Magnetorheological properties of ferrofluids containing clustered particles. Colloid Journal, 2013, 75, 514-523.	1.3	6
103	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
104	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
105	Magnetic susceptibility of ferrocolloids with frozen texture. Physical Review E, 1998, 58, 6003-6014.	2.1	5
106	Kinetics of growth of chain aggregates in magnetic suspensions. Colloid Journal, 2010, 72, 799-805.	1.3	5
107	Noise-Induced Oscillations in the flow of Concentrated Suspensions. Prikladnaya Matematika I Mekhanika, 2012, 76, 466-474.	0.4	5
108	N-Like rheograms of suspensions of magnetic nanofibers. Soft Matter, 2013, 9, 1902-1907.	2.7	5

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109	N-like rheograms of concentrated suspensions of magnetic particles. Journal of Rheology, 2016, 60, 267-274.	2.6	5
110	Internal structures and elastic properties of dense magnetic fluids. Journal of Magnetism and Magnetic Materials, 2020, 498, 166129.	2.3	5
111	Kinetics of field-induced phase separation of a magnetic colloid under rotating magnetic fields. Journal of Chemical Physics, 2020, 153, 154902.	3.0	5
112	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
113	Theory of static magnetization of magnetopolymer composites: The second virial approximation. Physical Review E, 2021, 104, 054616.	2.1	5
114	Relaxational filtration. Journal of Engineering Physics, 1988, 55, 1020-1024.	0.0	4
115	Non-Local Mean Field Dynamo Theory and Magnetic Fronts in Galaxies. Geophysical and Astrophysical Fluid Dynamics, 2003, 97, 135-148.	1.2	4
116	Self-Similar Wave of Swelling/Collapse Phase Transition along Polyelectrolyte Gel. Macromolecular Theory and Simulations, 2004, 13, 697-701.	1.4	4
117	Evolution of an ensemble of fractal aggregates in a colloidal system. Journal of Experimental and Theoretical Physics, 2006, 103, 917-925.	0.9	4
118	On the theory of phase transitions in magnetic fluids. Journal of Experimental and Theoretical Physics, 2007, 105, 1018-1034.	0.9	4
119	On the theory of oscillating flows in complex liquids. Colloid Journal, 2010, 72, 153-157.	1.3	4
120	On the nonlinear rheology of magnetic fluids. Colloid Journal, 2011, 73, 327-339.	1.3	4
121	Structurization of ferrofluids in the absence of an external magnetic field. Journal of Experimental and Theoretical Physics, 2013, 116, 286-292.	0.9	4
122	On the theory of rheological properties of bimodal magnetic fluids. Physica A: Statistical Mechanics and Its Applications, 2014, 406, 298-306.	2.6	4
123	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
124	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
125	Heat Exchange Within the Surrounding Biological Tissue During Magnetic Hyperthermia. Mathematical Modelling of Engineering Problems, 2020, 7, 196-200.	0.5	4
126	The hydromechanics of suspensions. Journal of Engineering Physics, 1989, 57, 1030-1038.	0.0	3

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127	Statistical thermodynamics of ferronematic. Physica A: Statistical Mechanics and Its Applications, 1996, 229, 203-217.	2.6	3
128	On the Theory of the Dynamic Properties of Dense Magnetic Fluids: Polydisperse Media. Colloid Journal, 2001, 63, 706-713.	1.3	3
129	Phase Transitions in Electro- and Magnetorheological Fluids. Colloid Journal, 2003, 65, 159-165.	1.3	3
130	Rheological properties of magnetic suspensions. Journal of Physics Condensed Matter, 2008, 20, 204138.	1.8	3
131	To the theory of mechano-magnetic effects in ferrogels. Journal of Magnetism and Magnetic Materials, 2019, 478, 211-215.	2.3	3
132	To the theory of magnetic hyperthermia in a system of single-domain ferromagnetic particles. Physica A: Statistical Mechanics and Its Applications, 2019, 528, 121500.	2.6	3
133	Towards a theory of magnetic hyperthermia: effect of immobilized chain-like aggregates. European Physical Journal: Special Topics, 2020, 229, 2991-3007.	2.6	3
134	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
135	To the theory of ferrohydrodynamic circulating flow induced by running magnetic field. European Physical Journal: Special Topics, 2020, 229, 2961-2966.	2.6	3
136	Surface influence on the stationary shear deformation of a magnetorheological fluid. European Physical Journal: Special Topics, 0, , 1.	2.6	3
137	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
138	Structural transformations in magnetic suspensions. Colloid Journal, 2009, 71, 493-497.	1.3	2
139	Shear thickening of dense suspensions due to energy dissipation in lubrication layers between particles. Physical Review E, 2013, 88, 032303.	2.1	2
140	Diffusion and magnetotransport in ferrofluids containing chain-shaped aggregates. Colloid Journal, 2013, 75, 59-65.	1.3	2
141	To the Theory of Hyperthermia Effect Induced by Magnetic Nanoparticles. Solid State Phenomena, 0, 233-234, 771-775.	0.3	2
142	To the theory of elastic properties of isotropic magnetic gels. Effect of interparticle interaction. Smart Materials and Structures, 2017, 26, 095028.	3.5	2
143	Shear modulus of isotropic ferrogels. Journal of Magnetism and Magnetic Materials, 2019, 477, 136-141.	2.3	2
144	Elastic stress in ferrogels with chain aggregates. Journal of Magnetism and Magnetic Materials, 2020, 498, 166126.	2.3	2

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145	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
146	Internal structures and elastic properties of concentrated magnetorheological fluids. European Physical Journal: Special Topics, 2020, 229, 2967-2979.	2.6	2
147	A study of easy magnetization axes of ferro-nanoparticles on magnetic hyperthermia. AIP Conference Proceedings, 2020, , .	0.4	2
148	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
149	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
150	Transport phenomena in complex systems (part 2). Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences, 2022, 380, 20210366.	3.4	2
151	Effective viscosity of an emulsion in a surfactant solution. Journal of Engineering Physics, 1988, 54, 504-509.	0.0	1
152	Rheological properties of finely dispersed suspensions. Journal of Engineering Physics, 1989, 57, 1437-1442.	0.0	1
153	On the theory of physical properties and phase transitions in ferrosmectics. Physica A: Statistical Mechanics and Its Applications, 2001, 291, 362-374.	2.6	1
154	Fractal structure of a colloidal aggregate. Doklady Physics, 2002, 47, 261-266.	0.7	1
155	To the Theory of the Aggregation of Polydisperse Colloids. Colloid Journal, 2004, 66, 296-301.	1.3	1
156	On the Theory of Phase Transitions in Magnetorheological Suspensions. Colloid Journal, 2005, 67, 564-572.	1.3	1
157	Simulation of the rheological properties of liquid media containing solid anisometric particles. Colloid Journal, 2007, 69, 726-734.	1.3	1
158	Yield stress of magnetic suspensions. Colloid Journal, 2012, 74, 703-707.	1.3	1
159	On the theory of structuring magnetic suspensions. Colloid Journal, 2013, 75, 66-72.	1.3	1
160	Stick-Slip Instabilities in Magnetorheological Fluids. , 2015, , 203-233.		1
161	Evolution of ammonium metavanadate crystals in polyvinyl alcohol films. Crystallography Reports, 2016, 61, 320-326.	0.6	1
162	Specific loss power of epoxy composites with embedded magnetite particles. European Physical Journal: Special Topics, 0, , 1.	2.6	1

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163	Gradient diffusion in ferrofluids with chain aggregates. European Physical Journal: Special Topics, 0, , 1.	2.6	1
164	Magnetorheological effect in dense magnetic polymers. European Physical Journal: Special Topics, 0, , 1.	2.6	1
165	Influence of internal heat sources on nonstationary heat transfer in disperse systems. Journal of Engineering Physics, 1986, 50, 202-207.	0.0	0
166	Effective rheological properties of a disperse mixture of viscoelastic materials. Journal of Engineering Physics, 1986, 50, 315-324.	0.0	0
167	Thermoelastic effects in disperse systems. Journal of Engineering Physics, 1986, 51, 934-940.	0.0	0
168	Effective transport coefficients in a disperse medium with ellipsoidal inclusions. Journal of Engineering Physics, 1986, 51, 810-818.	0.0	0
169	Diffusion in disperse medium with heterogeneous transformations. Journal of Engineering Physics, 1987, 53, 887-893.	0.0	0
170	Effective thermal conductivity of a structured powder. Journal of Engineering Physics, 1988, 55, 799-805.	0.0	0
171	Non-Newtonian properties of emulsions in solutions of surface-active agents. Journal of Engineering Physics, 1989, 56, 558-563.	0.0	0
172	Toward a theory of transport processes in Brownian suspensions. Journal of Engineering Physics, 1989, 57, 1327-1333.	0.0	0
173	The non-newtonian hydromechanics of suspensions. Journal of Engineering Physics, 1990, 59, 842-848.	0.0	0
174	The theory of the rheological properties of disperse systems. Journal of Engineering Physics, 1990, 58, 547-554.	0.0	0
175	Hydromechanics of brownian suspensions. Journal of Engineering Physics, 1990, 58, 427-434.	0.0	0
176	Liquid filtration in finely porous capillary structures. Journal of Engineering Physics and Thermophysics, 1992, 62, 52-54.	0.6	0
177	Nonequilibrium structures in the thin layers of ferronematics. Physical Review E, 1998, 57, 4296-4304.	2.1	0
178	On the Theory of Condensation Phase Transitions in Magnetic and Electrorheological Suspensions. Colloid Journal, 2001, 63, 306-311.	1.3	0
179	On the theory of structural transformations in polar colloids. Colloid Journal, 2006, 68, 45-53.	1.3	0
180	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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181	On the theory of the dynamical properties of nematics. Physica A: Statistical Mechanics and Its Applications, 2012, 391, 4448-4459.	2.6	0
182	To the theory of rheological properties of magnetopolymer suspensions. Soft Matter, 2013, 9, 9709.	2.7	0
183	Negative differential viscosity in magnetic suspensions. Journal of Experimental and Theoretical Physics, 2014, 118, 814-821.	0.9	0
184	Shear elastic modulus of magnetic gels with random distribution of magnetizable particles. IOP Conference Series: Materials Science and Engineering, 2017, 192, 012018.	0.6	0
185	Elastic properties of ferrogels with chain-like structures. Physica A: Statistical Mechanics and Its Applications, 2020, 545, 123723.	2.6	0
186	Phase-structural and non-linear effects in heterogeneous systems. European Physical Journal: Special Topics, 2020, 229, 2881-2884.	2.6	0
187	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
188	Internal structures and mechanical properties of magnetic gels and suspensions. ChemistrySelect, 2023, 8, 1419-1434.	1.5	0
189	MICRODYNAMICS OF MAGNETIC PARTICLES DISPERSED IN COMPLEX MEDIA. , 2011, , .		0
190	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
191	Transport phenomena and phase transitions in soft and disordered systems. European Physical Journal: Special Topics, 0, , .	2.6	0