Peter Kopcansky

List of Publications by Year in descending order

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293 papers	3,565 citations	172207 29 h-index	264894 42 g-index
295 all docs	295 docs citations	295 times ranked	3237 citing authors

#	Article	IF	Citations
1	Endovascular administration of magnetized nanocarriers targeting brain delivery after stroke. Journal of Cerebral Blood Flow and Metabolism, 2022, 42, 237-252.	2.4	9
2	The influence of a rotating magnetic field on the thermal effect in magnetic fluid. International Journal of Thermal Sciences, 2022, 171, 107258.	2.6	15
3	Comparison of features arising in phonon spectra of crystals belonging to the argyrodite family for various combinations of orbits filled with Ag (Cu) atoms. Semiconductor Physics, Quantum Electronics and Optoelectronics, 2022, 25, 43-48.	0.3	0
4	Ultrasound transmission tomography-guided heating with nanoparticles. Measurement: Journal of the International Measurement Confederation, 2022, 197, 111345.	2.5	2
5	Effect of ferrofluid magnetization on transformer temperature rise. Journal Physics D: Applied Physics, 2022, 55, 345002.	1.3	8
6	Role of Magnetic Nanoparticles Size and Concentration on Structural Changes and Corresponding Magneto-Optical Behavior of Nematic Liquid Crystals. Nanomaterials, 2022, 12, 2463.	1.9	8
7	Electric field-induced assembly of magnetic nanoparticles from dielectric ferrofluids on planar interface. Journal of Molecular Liquids, 2022, 362, 119773.	2.3	1
8	Birefringence dispersion of 6CHBT liquid crystal determined in VIS-NIR spectral range. Applied Surface Science, 2021, 542, 148525.	3.1	2
9	Ferromagnetic and antiferromagnetic liquid crystal suspensions: Experiment and theory. Journal of Molecular Liquids, 2021, 321, 114467.	2.3	14
10	Orientational self-assembly of nanoparticles in nematic droplets. Nanoscale Advances, 2021, 3, 2777-2781.	2.2	1
11	Electrical discharges in ferrofluids based on mineral oil and novel gas-to-liquid oil. Journal of Molecular Liquids, 2021, 325, 115244.	2.3	13
12	Influence of X7GeS5I (X = Ag, Cu) Superionic Nanoparticles on Structural Changes in Nematic Liquid Crystal. Crystals, 2021, 11, 413.	1.0	2
13	Cotton Textile/Iron Oxide Nanozyme Composites with Peroxidase-like Activity: Preparation, Characterization, and Application. ACS Applied Materials & Interfaces, 2021, 13, 23627-23637.	4.0	24
14	FrÃ©edericksz Transitions in 6CB Based Ferronematicsâ€"Effect of Magnetic Nanoparticles Size and Concentration. Materials, 2021, 14, 3096.	1.3	8
15	Scalable production of magnetic fluorescent cellulose microparticles. Cellulose, 2021, 28, 7675-7685.	2.4	3
16	Influence of magnetic nanoparticles on dielectric properties of Shell oil transformer oil. Semiconductor Physics, Quantum Electronics and Optoelectronics, 2021, 24, 154-159.	0.3	1
17	Dynamic magnetic response of ferrofluids under a static electric field. Physics of Fluids, 2021, 33, 082006.	1.6	2
18	Dependence of the Nanoscale Composite Morphology of Fe3O4 Nanoparticle-Infused Lysozyme Amyloid Fibrils on Timing of Infusion: A Combined SAXS and AFM Study. Molecules, 2021, 26, 4864.	1.7	2

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19	Electrical properties of cation-substituted Ag7(Si1â€“xGex)S5I single crystals. Semiconductor Physics, Quantum Electronics and Optoelectronics, 2021, 24, 241-247.	0.3	4
20	Longitudinal and Transverse Relaxivity Analysis of Native Ferritin and Magnetoferritin at 7 T MRI. International Journal of Molecular Sciences, 2021, 22, 8487.	1.8	5
21	Structural changes in liquid crystals doped with spindle magnetic particles. Physica E: Low-Dimensional Systems and Nanostructures, 2021, 134, 114860.	1.3	5
22	Controllability of ferrofluidsâ€™ dielectric spectrum by means of external electric forces. Journal Physics D: Applied Physics, 2021, 54, 035303.	1.3	4
23	Effect of Liquid Crystalline Host on Structural Changes in Magnetosomes Based Ferronematics. Nanomaterials, 2021, 11, 2643.	1.9	8
24	Dielectric properties of Shell oil transformer oil with impurities of carbon nanotubes and fullerene C60. Semiconductor Physics, Quantum Electronics and Optoelectronics, 2021, 24, 413-418.	0.3	0
25	The Impact of Redox, Hydrolysis and Dehydration Chemistry on the Structural and Magnetic Properties of Magnetoferritin Prepared in Variable Thermal Conditions. Molecules, 2021, 26, 6960.	1.7	1
26	Clustering in ferronematicsâ€”The effect of magnetic collective ordering. IScience, 2021, 24, 103493.	1.9	3
27	Effect of magnetic nanoparticles on partial discharges in transformer oil. Journal of Magnetism and Magnetic Materials, 2020, 496, 165923.	1.0	24
28	Effect of electrical polarity on dielectric breakdown in a soft magnetic fluid. Journal of Magnetism and Magnetic Materials, 2020, 497, 166007.	1.0	14
29	Alternating current magnetic susceptibility of ferronematics: The case of high concentration of magnetic nanoparticles. Journal of Magnetism and Magnetic Materials, 2020, 500, 166331.	1.0	1
30	Effect of the concentration of protein and nanoparticles on the structure of biohybrid nanocomposites. Biopolymers, 2020, 111, e23342.	1.2	7
31	Investigation of structural changes in oil-based magnetic fluids by surface acoustic waves. Journal of Magnetism and Magnetic Materials, 2020, 501, 166392.	1.0	5
32	Dechlorination of 2,4,4â€²-trichlorobiphenyl by magnetoferritin with different loading factors. Chemosphere, 2020, 260, 127629.	4.2	4
33	Study of Structural Changes in Nematic Liquid Crystals Doped with Magnetic Nanoparticles Using Surface Acoustic Waves. Crystals, 2020, 10, 1023.	1.0	10
34	The influence of magnetic field on the acoustic attenuation in MWCNT/Fe3O4. , 2020, , .		0
35	Quantification of Iron Release from Native Ferritin and Magnetoferritin Induced by Vitamins B2 and C. International Journal of Molecular Sciences, 2020, 21, 6332.	1.8	7
36	Experimental assessment of interactions between liquid crystal 4-cyano-4â€™-hexylbiphenyl and magnetoferritin. Mendeleev Communications, 2020, 30, 73-75.	0.6	0

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37	Hyperthermia Induced by Near-Infrared Laser-Irradiated CsWO3 Nanoparticles Disintegrates Preformed Lysozyme Amyloid Fibrils. Nanomaterials, 2020, 10, 442.	1.9	2
38	Dispersion of magnetic susceptibility in a suspension of flexible ferromagnetic rods. Journal of Molecular Liquids, 2020, 305, 112823.	2.3	3
39	Bio-inorganic nanocomposites of lysozyme amyloid fibrils and magnetic nanoparticles of different shape anisotropy. Journal of Magnetism and Magnetic Materials, 2020, 502, 166515.	1.0	0
40	Structural and magnetic properties of P25 TiO2 nanoparticles doped by Co. Journal of Magnetism and Magnetic Materials, 2020, 501, 166442.	1.0	9
41	Statistical analysis of AC dielectric breakdown in transformer oil-based magnetic nanofluids. Journal of Molecular Liquids, 2020, 309, 113243.	2.3	17
42	Acoustic spectroscopy of functionalized carbon nanotubes in magnetic fluid. Journal of Magnetism and Magnetic Materials, 2020, 502, 166538.	1.0	1
43	Ultrasonic and optical examination of doped liquid crystal under an applied external field. , 2020, , .		0
44	Transformer oil-based magnetic nanofluid with high dielectric losses tested for cooling of a model transformer. IEEE Transactions on Dielectrics and Electrical Insulation, 2019, 26, 1343-1349.	1.8	29
45	Investigation of external field influence on structural properties of doped nematics using SAW technique. AIP Conference Proceedings, 2019, , .	0.3	0
46	Influence of synthesis temperature on structural and magnetic properties of magnetoferritin. Mendeleev Communications, 2019, 29, 279-281.	0.6	6
47	Dual Size-Dependent Effect of Fe3O4 Magnetic Nanoparticles Upon Interaction with Lysozyme Amyloid Fibrils: Disintegration and Adsorption. Nanomaterials, 2019, 9, 37.	1.9	13
48	Effect of superionic nanoparticles on structural changes and electro-optical behavior in nematic liquid crystal. Journal of Molecular Liquids, 2019, 288, 111042.	2.3	8
49	Nanoparticle's size, surfactant and concentration effects on stability and isotropic-nematic transition in ferronematic liquid crystal. Journal of Molecular Liquids, 2019, 289, 111125.	2.3	13
50	Memory effect in nematic phase of liquid crystal doped with magnetic and non-magnetic nanoparticles. Journal of Molecular Liquids, 2019, 282, 286-291.	2.3	24
51	State of aggregation and toxicity of aqueous fullerene solutions. Applied Surface Science, 2019, 483, 69-75.	3.1	29
52	Hyperthermic effect in magnetoferritin aqueous colloidal solution. Journal of Molecular Liquids, 2019, 283, 39-44.	2.3	8
53	Toward Apparent Negative Permittivity Measurement in a Magnetic Nanofluid with Electrically Induced Clusters. Physical Review Applied, 2019, 11, .	1.5	11
54	Magnetic Field Effect on Thermal, Dielectric, and Viscous Properties of a Transformer Oil-Based Magnetic Nanofluid. Energies, 2019, 12, 4532.	1.6	30

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55	Poly-L-lysine designed magnetic nanoparticles for combined hyperthermia, magnetic resonance imaging and cancer cell detection. Journal of Magnetism and Magnetic Materials, 2019, 475, 316-326.	1.0	34
56	Particle assembling induced by non-homogeneous magnetic field at transformer oil-based ferrofluid/silicon crystal interface by neutron reflectometry. Applied Surface Science, 2019, 473, 912-917.	3.1	18
57	Non-uniform distribution of ferrofluids spherical particles under external electric field: Theoretical description. Journal of Molecular Liquids, 2019, 278, 491-495.	2.3	8
58	Chitosan-stabilized iron oxide nanoparticles for magnetic resonance imaging. Journal of Magnetism and Magnetic Materials, 2019, 474, 319-325.	1.0	69
59	Disruption of amyloid aggregates by artificial ferritins. Journal of Magnetism and Magnetic Materials, 2019, 473, 215-220.	1.0	5
60	Self-assembly of hen egg white lysozyme fibrils doped with magnetic particles. Journal of Magnetism and Magnetic Materials, 2019, 471, 400-405.	1.0	6
61	Effect of magnetic nanoparticles coating on cell proliferation and uptake. Journal of Magnetism and Magnetic Materials, 2019, 472, 66-73.	1.0	29
62	Effect of Spherical, Rod-Like and Chain-Like Magnetic Nanoparticles on Magneto-Optical Response of Nematics. Acta Physica Polonica A, 2019, 136, 101-106.	0.2	10
63	Preparation and electrical properties of composites based on (Cu6PS5I)1â€“x(Cu7PS6)x mixed crystals. Semiconductor Physics, Quantum Electronics and Optoelectronics, 2019, 22, 182-187.	0.3	1
64	Influence of anion substitution on electrical conductivity of composites based on liquid crystal with Cu6PS5X (X = I, Br) nanoparticles. Semiconductor Physics, Quantum Electronics and Optoelectronics, 2019, 22, 387-390.	0.3	2
65	Tuning the phase transition temperature of ferronematics with a magnetic field. Soft Matter, 2018, 14, 1647-1658.	1.2	2
66	Morphology and Magnetic Structure of the Ferritin Core during Iron Loading and Release by Magnetooptical and NMR Methods. ACS Applied Materials & Interfaces, 2018, 10, 7777-7787.	4.0	21
67	Magnetic Fluids and Their Complex Systems. Springer Proceedings in Physics, 2018, , 151-184.	0.1	3
68	d,l-lysine functionalized Fe3O4 nanoparticles for detection of cancer cells. Colloids and Surfaces B: Biointerfaces, 2018, 163, 236-245.	2.5	34
69	The influence of goethite nanorods on structural transitions in liquid crystal 6CHBT. Journal of Magnetism and Magnetic Materials, 2018, 459, 26-32.	1.0	12
70	On the impact of surfactant type on the structure of aqueous ferrofluids. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2018, 541, 222-226.	2.3	34
71	Dynamic morphogenesis of dendritic structures formation in hen egg white lysozyme fibrils doped with magnetic nanoparticles. Colloids and Surfaces B: Biointerfaces, 2018, 161, 457-463.	2.5	6
72	Electrical conduction in a transformer oil-based magnetic nanofluid under a DC electric field. Journal of Magnetism and Magnetic Materials, 2018, 459, 191-196.	1.0	7

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73	Comparison between Ferromagnetic and Ferroelectric Optical Switch Devices in Terms of the Response to the Electric Field. Nano Hybrids and Composites, 2018, 23, 1-7.	0.8	0
74	Dielectric breakdown study of a nanofluid based on goethite nanoparticles. IEEE Transactions on Dielectrics and Electrical Insulation, 2018, 25, 2206-2211.	1.8	5
75	Magnetic Freedericksz transition in a ferronematic liquid crystal doped with spindle magnetic particles. Journal of Molecular Liquids, 2018, 267, 390-397.	2.3	12
76	Sedimentation rate of soil microparticles. Arabian Journal of Geosciences, 2018, 11, 1.	0.6	4
77	The Optical Nonlinear Properties of Different Particles Size of Ferrofluid. Journal of Nano Research, 2018, 54, 15-21.	0.8	1
78	Structural changes in liquid crystals doped with functionalized carbon nanotubes. Physica E: Low-Dimensional Systems and Nanostructures, 2018, 103, 53-59.	1.3	15
79	Investigation of structural changes in liquid crystal doped with superionic nanoparticles. , 2018, , .		3
80	Study of structural arrangement in ferrofluid by dielectric and acoustic spectroscopy. , 2018, , .		2
81	SAW Investigation of Structural Changes in Liquid Crystals Doped with Magnetic Particles. Acta Acustica United With Acustica, 2018, 104, 48-53.	0.8	10
82	Crystalisation of aqueous ferrofluids at the free liquid interface investigated by specular and off-specular x-ray reflectometry. Journal of Physics: Conference Series, 2018, 994, 012008.	0.3	2
83	Fe(II) formation after interaction of the amyloid Î²-peptide with iron-storage protein ferritin. Journal of Biological Physics, 2018, 44, 237-243.	0.7	13
84	Experimental study of AC breakdown strength in ferrofluid during thermal aging. Journal of Magnetism and Magnetic Materials, 2018, 465, 136-142.	1.0	23
85	Rheological and Thermal Transport Characteristics of a Transformer Oil Based Ferrofluid. Acta Physica Polonica A, 2018, 133, 564-566.	0.2	6
86	Preparation and Characterization of Magnetic Nanoparticles. Acta Physica Polonica A, 2018, 133, 704-706.	0.2	7
87	Lysozyme Amyloid Fibrils Doped by Carbon Nanotubes. Acta Physica Polonica A, 2018, 133, 588-590.	0.2	0
88	Influence of Electric Field on AC Magnetic Susceptibility of a Mineral Oil Based Ferrofluid. Acta Physica Polonica A, 2018, 133, 567-579.	0.2	0
89	The Shielding Effectiveness of a Magnetic Fluid in Radio Frequency Range. Acta Physica Polonica A, 2018, 133, 585-587.	0.2	1
90	Variation of Magnetic Fluid Deformation Related to Nanoparticle Concentration in Steady Electric Field. Acta Physica Polonica A, 2018, 133, 570-573.	0.2	0

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91	Spin Relaxation Effects in Oil-Nanomagnetite Ferrofluids - MÃ¶ssbauer Spectrometry Studies. Acta Physica Polonica A, 2018, 134, 1007-1014.	0.2	0
92	Electrode polarization and unusual magnetodielectric effect in a transformer oil-based magnetic nanofluid thin layer. Journal of Chemical Physics, 2017, 146, 014704.	1.2	26
93	Ferronematics based on the nematic 6CB in combined electric and magnetic fields. Phase Transitions, 2017, 90, 780-789.	0.6	5
94	Effects of non-additive conductivity variation for a nematic liquid crystal caused by magnetite and carbon nanotubes at various scales. Liquid Crystals, 2017, 44, 1709-1716.	0.9	8
95	Preparation of poly-L-lysine functionalized magnetic nanoparticles and their influence on viability of cancer cells. Journal of Magnetism and Magnetic Materials, 2017, 427, 114-121.	1.0	26
96	Dielectric properties of 6Đ¡ĐĐ'Đ¢ liquid crystals with carbon nanotubes modified by COOH group and nanocomposites on their base. Journal of Molecular Liquids, 2017, 227, 61-65.	2.3	9
97	The effect of solution pH on the structural stability of magnetoferritin. Colloids and Surfaces B: Biointerfaces, 2017, 156, 375-381.	2.5	13
98	Statins Determination: A Review of Electrochemical Techniques. Critical Reviews in Analytical Chemistry, 2017, 47, 474-489.	1.8	14
99	Small-Angle Scattering on Magnetoferritin Nanoparticles. Journal of Physics: Conference Series, 2017, 848, 012011.	0.3	1
100	Magnetic fluid droplet deformation in electrostatic field. Journal of Electrostatics, 2017, 88, 55-59.	1.0	8
101	Measurement of the magnetite nanoparticlesâ€™ relaxivity during encapsulation into polylactide carriers. Measurement: Journal of the International Measurement Confederation, 2017, 104, 89-92.	2.5	3
102	Structure characterization of the magnetosome solutions for hyperthermia study. Journal of Molecular Liquids, 2017, 235, 11-16.	2.3	13
103	On the adsorption properties of magnetic fluids: Impact of bulk structure. Journal of Magnetism and Magnetic Materials, 2017, 427, 67-70.	1.0	15
104	Structuralization of magnetic nanoparticles in 5CB liquid crystals. Soft Matter, 2017, 13, 7890-7896.	1.2	24
105	Low-field and high-field magnetic resonance contrast imaging of magnetoferritin as a pathological model system of iron accumulation. Journal Physics D: Applied Physics, 2017, 50, 365401.	1.3	8
106	Effect of Carbon Nanotubes on Liquid Crystal Behavior in Electric and Magnetic Fields Studied by SAW. Procedia Engineering, 2017, 192, 935-940.	1.2	9
107	Structure analysis of aqueous ferrofluids at interface with silicon: neutron reflectometry data. Journal of Physics: Conference Series, 2017, 848, 012015.	0.3	7
108	Influence of Cu6PS5Đ† superionic nanoparticles on the dielectric properties of 6Đ¡Đ' liquid crystal. Liquid Crystals, 2017, 44, 897-903.	0.9	28

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109	The molecular mass of dextran used to modify magnetite nanoparticles affects insulin amyloid aggregation. Journal of Magnetism and Magnetic Materials, 2017, 427, 48-53.	1.0	20
110	Magnetic resonance imaging of reconstructed ferritin as an iron-induced pathological model system. Journal of Magnetism and Magnetic Materials, 2017, 427, 127-132.	1.0	1
111	Interaction of magnetic nanoparticles with lysozyme amyloid fibrils. Journal of Magnetism and Magnetic Materials, 2017, 431, 8-11.	1.0	9
112	Effect of spherical magnetic particles on liquid crystals behavior studied by surface acoustic waves. Journal of Magnetism and Magnetic Materials, 2017, 423, 57-60.	1.0	18
113	Structure and viscosity of a transformer oil-based ferrofluid under an external electric field. Journal of Magnetism and Magnetic Materials, 2017, 431, 99-102.	1.0	31
114	SAW study of structural changes in liquid crystals doped with carbon nanotubes induced by electric and magnetic fields. , 2017, , .		1
115	Magnetic field sensing using whispering-gallery modes in a cylindrical microresonator infiltrated with ferronematic liquid crystal. Optics Express, 2017, 25, 12195.	1.7	26
116	SAW study of structural changes in liquid crystals doped with carbon nanotubes induced by electric and magnetic fields. , 2017, , .		0
117	Alternating current magnetic susceptibility of a ferronematic. Beilstein Journal of Nanotechnology, 2017, 8, 2515-2520.	1.5	4
118	Effect of BSA Protein on the Contrast Properties of Magnetite Nanoparticles during MRI. Acta Physica Polonica A, 2017, 131, 1102-1104.	0.2	1
119	Elimination of Magnetic Nanoparticles with Various Surface Modifications from the Bloodstream in vivo. Acta Physica Polonica A, 2017, 131, 1159-1161.	0.2	6
120	Generation of Fe ₃O ₄ Nanoparticle Aggregates in a Ferrofluid Driven by External Electric Field. Acta Physica Polonica A, 2017, 131, 907-909.	0.2	2
121	Structural Changes in Liquid Crystals Doped with Rod-Like Magnetic Particles Studied by Surface Acoustic Waves. Acta Physica Polonica A, 2017, 131, 913-915.	0.2	8
122	Low Magnetic Field Response in Ferronematics. Acta Physica Polonica A, 2017, 131, 934-936.	0.2	1
123	Temperature Dependence of a Dielectric Relaxation in Weakly Polar Ferrofluids. Acta Physica Polonica A, 2017, 131, 943-945.	0.2	5
124	Kinetics of Nematic to Isotropic Phase Transition in Liquid Crystal Doped with Magnetic Nanoparticles. Acta Physica Polonica A, 2017, 131, 949-951.	0.2	5
125	Characterization of Carbon Nanotubes. Acta Physica Polonica A, 2017, 131, 952-954.	0.2	2
126	Interaction of Magnetic Nanoparticles with Lyotropic Liquid Crystal Studied by AFM. Acta Physica Polonica A, 2017, 131, 958-960.	0.2	1

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127	Electro-Rheological Properties of Transformer Oil-Based Magnetic Fluids. Acta Physica Polonica A, 2017, 131, 1141-1143.	0.2	0
128	Differentiation of Native and Reconstructed Ferritin using the MRI Gradient Echo Pulse Sequence. Acta Physica Polonica A, 2017, 131, 1093-1095.	0.2	0
129	The Response of a Magnetic Fluid to Radio Frequency Electromagnetic Field. Acta Physica Polonica A, 2017, 131, 946-948.	0.2	6
130	Ultrasound Frequency Analysis of a Magnetic Fluid in Low-Intensity External Magnetic Field. Acta Physica Polonica A, 2017, 131, 910-912.	0.2	0
131	The Influence of Magnetic Particles on the Nematic Droplets Formation in Liquid Crystal. Acta Physica Polonica A, 2017, 131, 955-957.	0.2	0
132	AC Magnetic Susceptibility of Ferrofluids Exposed to an External Electric Field. Acta Physica Polonica A, 2017, 131, 887-889.	0.2	0
133	Analysis of Thermal Field in Mineral Transformer Oil Based Magnetic Fluids. Acta Physica Polonica A, 2017, 131, 937-939.	0.2	2
134	Study of Structural Changes of Water-Based Magnetic-Fluid by Acoustic Spectroscopy. Acta Physica Polonica A, 2017, 131, 919-921.	0.2	2
135	Impact of a physiological medium on the aggregation state of C60 and C70 fullerenes. Journal of Surface Investigation, 2016, 10, 1125-1128.	0.1	6
136	Energy losses in mechanically modified bacterial magnetosomes. Journal Physics D: Applied Physics, 2016, 49, 365002.	1.3	22
137	On the adsorption of magnetite nanoparticles on lysozyme amyloid fibrils. Colloids and Surfaces B: Biointerfaces, 2016, 146, 794-800.	2.5	22
138	Biasing a ferronematic â€“ a new way to detect weak magnetic field. Soft Matter, 2016, 12, 5780-5786.	1.2	14
139	Acoustic spectroscopy of magnetic fluids based on transformer oil. Journal of Intelligent Material Systems and Structures, 2016, 27, 935-943.	1.4	8
140	Acoustic Investigation of Biocompatible Fluid Under Magnetic Field. Physics Procedia, 2015, 75, 1029-1034.	1.2	2
141	Direct observation of electric field induced pattern formation and particle aggregation in ferrofluids. Applied Physics Letters, 2015, 107, .	1.5	34
142	Magnetically induced shift of the isotropicâ€“nematic phase transition temperature in a mixture of bent-core and calamitic liquid crystals doped with magnetic particles. Liquid Crystals, 2015, 42, 959-963.	0.9	7
143	Structural Changes in Ferronematic Liquid Crystals Studied by Surface Acoustic Waves. Physics Procedia, 2015, 75, 1022-1028.	1.2	2
144	The cytotoxicity of iron oxide nanoparticles with different modifications evaluated in vitro. Journal of Magnetism and Magnetic Materials, 2015, 380, 85-89.	1.0	49

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145	Thermal Stability of Bent-Core Liquid Crystals Doped with Magnetic Nanoparticles. Acta Physica Polonica A, 2015, 127, 638-640.	0.2	3
146	Dielectric Spectroscopy of Ferronematics Based on 6CHBT Liquid Crystal. Molecular Crystals and Liquid Crystals, 2015, 611, 40-48.	0.4	1
147	DSC Study of Bent-Core and Rod-Shaped Liquid Crystal Mixtures. Molecular Crystals and Liquid Crystals, 2015, 610, 187-192.	0.4	2
148	Dielectric Properties of Lyotropic Magnetic Liquid Crystal. Acta Physica Polonica A, 2015, 127, 632-634.	0.2	0
149	Properties of Magnetosome Suspension under the Influence of Magnetic Field. Acta Physica Polonica A, 2015, 127, 629-631.	0.2	4
150	Micro-Raman Spectroscopy of Natural and Synthetic Ferritins and Their Mimetics. Acta Physica Polonica A, 2015, 127, 534-536.	0.2	21
151	Consideration of diffuse scattering in the analysis of specular neutron reflection at the magnetic fluid-silicon interface. Journal of Surface Investigation, 2015, 9, 320-325.	0.1	6
152	Comparative structure analysis of magnetic fluids at interface with silicon by neutron reflectometry. Applied Surface Science, 2015, 352, 49-53.	3.1	15
153	Structure of nanoparticles in transformer oil-based magnetic fluids, anisotropy of acoustic attenuation. Journal of Magnetism and Magnetic Materials, 2015, 388, 28-34.	1.0	22
154	Influence Of Nanoparticles Diameter On Structural Properties Of Magnetic Fluid In Magnetic Field. Journal of Electrical Engineering, 2015, 66, 231-234.	0.4	6
155	Impact of polyethylene glycol on aqueous micellar solutions of sodium oleate studied by small-angle neutron scattering. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2015, 480, 191-196.	2.3	24
156	SANS contrast variation study of magnetoferritin structure at various iron loading. Journal of Magnetism and Magnetic Materials, 2015, 377, 77-80.	1.0	17
157	Magnetic poly(d,l-lactide) nanoparticles loaded with aliskiren: A promising tool for hypertension treatment. Journal of Magnetism and Magnetic Materials, 2015, 380, 280-284.	1.0	26
158	Destroying activity of magnetoferritin on lysozyme amyloid fibrils. Journal of Magnetism and Magnetic Materials, 2015, 377, 267-271.	1.0	13
159	Neutron Investigations of Ferrofluids. Ukrainian Journal of Physics, 2015, 60, 728-736.	0.1	4
160	Intrinsic viscosity and related parameters of PEOX aqueous solutions. AIP Conference Proceedings, 2015, , .	0.3	0
161	Radiation Stability of the BSA Modified Biocompatible Magnetic Fluid. Acta Physica Polonica A, 2014, 126, 262-263.	0.2	2
162	The Investigation on the E-J Characteristics and the Role of Nanoparticle Concentration in Weakly Polar Magnetic Fluids. Acta Physica Polonica A, 2014, 126, 246-247.	0.2	0

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163	Influence of Magnetic Field on Dielectric Breakdown in Transformer Oil Based Ferrofluids. Acta Physica Polonica A, 2014, 126, 248-249.	0.2	3
164	Preparation and Complex Characterization of Magnetic Nanoparticles in Magnetic Fluid. Acta Physica Polonica A, 2014, 126, 268-269.	0.2	5
165	Characterization of Magnetosomes After Exposure to the Effect of the Sonication and Ultracentrifugation. Acta Physica Polonica A, 2014, 126, 198-199.	0.2	6
166	Viscosity Dependence of a Magnetic Fluid Nanoparticles Concentration. Acta Physica Polonica A, 2014, 126, 278-279.	0.2	8
167	Sensitivity of 6CHBT Liquid Crystal Doped with Ferroelectric or Magnetic Particles to Electric and Magnetic Fields. Acta Physica Polonica A, 2014, 126, 260-261.	0.2	1
168	Structure and Interaction of Poly(ethylene glycol) in Aqueous Solutions. Smallâ€Angle Neutron Scattering Data. Macromolecular Symposia, 2014, 335, 20-23.	0.4	13
169	Biogenic Magnetite Nanoparticle Ensemble Use in MRI Diagnostics. Acta Physica Polonica A, 2014, 126, 388-389.	0.2	0
170	Effect of iron oxide loading on magnetoferritin structure in solution as revealed by SAXS and SANS. Colloids and Surfaces B: Biointerfaces, 2014, 123, 82-88.	2.5	31
171	Peroxidase-like activity of magnetoferritin. Mikrochimica Acta, 2014, 181, 295-301.	2.5	30
172	Structure of amyloid aggregates of lysozyme from small-angle X-ray scattering data. Physics of the Solid State, 2014, 56, 129-133.	0.2	6
173	Structural characterization of magnetoferritin. Mendeleev Communications, 2014, 24, 80-81.	0.6	10
174	Search for Anomalous Temperature Behavior of the Viscosity of Polyethylene Glycol Solutions. International Journal of Thermophysics, 2014, 35, 2150-2157.	1.0	1
175	Comment on â€œRheological Properties of Polyethylene Glycol (PEG 35000): An Interpretation of a Negative Intrinsic Viscosity and a High Huggins Coefficient Value.â€•J. Macromol. Sci., Part B: Physics 2014 (53) 391â€• Journal of Macromolecular Science - Physics, 2014, 53, 1763-1765.	0.4	0
176	High concentration ferronematics in low magnetic fields. Journal of Magnetism and Magnetic Materials, 2014, 372, 117-121.	1.0	19
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