Iryna Doroshenko

List of Publications by Year
in descending order

280	3,392	172386	265120
papers	citations	29 h-index	42 g-index

286	286	286	2632
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Regulation of nanoporous structure of detonation nanodiamond powders by pressure: SANS study. Fullerenes Nanotubes and Carbon Nanostructures, 2022, 30, 171-176.	1.0	4
2	Mechanisms of Heteroassociation of Ceftriaxone and Doxorubicin Drugs with Bovine Serum Albumin. Springer Proceedings in Physics, 2022, , 219-245.	0.1	4
3	Isoscattering point in SANS contrast variation study of aqueous magnetic fluids. Soft Materials, 2022, 20, S44-S49.	0.8	2
4	Application of Mayerâ€™s activity expansions to the Ising problem. Physica A: Statistical Mechanics and Its Applications, 2022, 598, 127307.	1.2	1
5	Cluster-cluster interaction in nanodiamond hydrosols by small-angle scattering. Journal of Molecular Liquids, 2022, 354, 118816.	2.3	5
6	Structure and Intermolecular Interactions in Aqueous Solutions of Polyethylene Glycol. Molecules, 2022, 27, 2573.	1.7	6
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	Diluted and concentrated organosols of fullerene C60 in the tolueneâ€“acetonitrile solvent system as studied by diverse experimental methods. Fullerenes Nanotubes and Carbon Nanostructures, 2021, 29, 315-330.	1.0	7
9	Temperature-dependent fractal structure of particle clusters in aqueous ferrofluids by small-angle scattering. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2021, 613, 126090.	2.3	11
10	MECHANISM OF DISORDER GENESIS IN CELLULOSE MICROFIBRILS. Cellulose Chemistry and Technology, 2021, 55, 223-230.	0.5	1
11	Neutron investigation of interaction between anionic surfactant micelles and poly (ethylene glycol) polymer brush system. Nuclear Physics and Atomic Energy, 2021, 22, 149-156.	0.2	0
12	ÐÐµÐ¾Ñ€Ð³Ð°Ð½Ñ–Ð·Ð°Ñ†Ñ–Ñ•Ñ„Ñ€Ð°Ñ‚Ð°Ñ»ÑŒÐ½Ð¾Ñ— Ñ‰Ñ€ÑƒÑ‚Ñƒ Ð¿Ð¾Ñ€ Ñƒ Ð¿Ð¾Ñ€Ð¾Ñˆ… Ð´ÐµÑ		
13	The machine-learned radii of atoms. Computational and Theoretical Chemistry, 2021, 1204, 113389.	1.1	1
14	Raman spectra and non-empirical calculations of dimethylformamide molecular clusters structure. Vibrational Spectroscopy, 2021, 117, 103315.	1.2	7
15	Revealing the structure of composite nanodiamondâ€“graphene oxide aqueous dispersions by small-angle scattering. Diamond and Related Materials, 2020, 103, 107670.	1.8	9
16	SANS analysis of aqueous dispersions of Eu- and Gd-grafted nanodiamond particles. Fullerenes Nanotubes and Carbon Nanostructures, 2020, 28, 272-276.	1.0	6
17	Modeling fractal aggregates of polydisperse particles with tunable dimension. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2020, 605, 125331.	2.3	15
18	The covalent radii derived from the first-principle data. Molecular Physics, 2020, 118, e1742937.	0.8	2

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19	Fullerenes as an Effective Amyloid Fibrils Disaggregating Nanomaterial. ACS Applied Materials & Interfaces, 2020, 12, 32410-32419.	4.0	28
20	Fractal aggregation in silica sols in basic tetraethoxysilane/ethanol/water solutions by small-angle neutron scattering. Journal of Molecular Liquids, 2020, 304, 112736.	2.3	5
21	Structural characterization of concentrated aqueous ferrofluids. Journal of Magnetism and Magnetic Materials, 2020, 501, 166445.	1.0	19
22	Structural investigations of poly(ethylene glycol)-dodecylbenzenesulfonic acid complexes in aqueous solutions. Journal of Molecular Liquids, 2020, 308, 113045.	2.3	21
23	Structural characterization of aqueous magnetic fluids with nanomagnetite of different origin stabilized by sodium oleate. Journal of Molecular Liquids, 2020, 312, 113430.	2.3	10
24	Collaboration with JINR as Key for Nuclear Physics Development in Ukraine. Nauka Ta Innovacii, 2020, 16, 73-82.	0.2	0
25	Collaboration with JINR as Key for Nuclear Physics Development in Ukraine. Science and Innovation, 2020, 16, 72-81.	0.2	0
26	Solâ€“Gel Transition in Nanodiamond Aqueous Dispersions by Small-Angle Scattering. Journal of Physical Chemistry C, 2019, 123, 18028-18036.	1.5	22
27	Evaporation of a sessile droplet resting on a thin vanadium dioxide film. AIP Conference Proceedings, 2019, , .	0.3	0
28	The dataset of covalent bond lengths resulting from the first-principle calculations. Computational and Theoretical Chemistry, 2019, 1163, 112508.	1.1	7
29	Sedimentation of a suspension of rods: Monte Carlo simulation of a continuous two-dimensional problem. Physical Review E, 2019, 99, 052135.	0.8	7
30	State of aggregation and toxicity of aqueous fullerene solutions. Applied Surface Science, 2019, 483, 69-75.	3.1	29
31	On a specific state of C60 fullerene in N-methyl-2-pyrrolidone solution: Mass spectrometric study. Applied Surface Science, 2019, 481, 1566-1572.	3.1	12
32	Heteroassociation of antitumor agent doxorubicin with bovine serum albumin in the presence of gold nanoparticles. Journal of Molecular Liquids, 2019, 284, 633-638.	2.3	12
33	Nanocrystalliteâ€“liquid phase transition in porous matrices with chemically functionalized surfaces. Physical Chemistry Chemical Physics, 2019, 21, 24674-24683.	1.3	13
34	Impact of poly (ethylene glycol) on the structure and interaction parameters of aqueous micellar solutions of anionic surfactants. Journal of Molecular Liquids, 2019, 276, 806-811.	2.3	14
35	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
36	Non-uniform distribution of ferrofluids spherical particles under external electric field: Theoretical description. Journal of Molecular Liquids, 2019, 278, 491-495.	2.3	8

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37	Disruption of amyloid aggregates by artificial ferritins. Journal of Magnetism and Magnetic Materials, 2019, 473, 215-220.	1.0	5
38	Localized orbitals for optimal decomposition of molecular properties. International Journal of Quantum Chemistry, 2019, 119, e25798.	1.0	45
39	Small-Angle Scattering in Structural Research of Nanodiamond Dispersions. Springer Proceedings in Physics, 2019, , 201-223.	0.1	7
40	The Structure of Polymer Clusters in Aqueous Solutions of Hydroxypropyl Cellulose. Ukrainian Journal of Physics, 2019, 64, 238.	0.1	17
41	Current Problems in the Quasi-elastic Incoherent Neutron Scattering and the Collective Drift of Molecules. Springer Proceedings in Physics, 2019, , 41-72.	0.1	0
42	Interfacial Layers and the Shear Elasticity of the Collagenâ€“Water System. Ukrainian Journal of Physics, 2019, 64, 34.	0.1	1
43	Oligomeric and Polymeric Ionic Liquids: Engineering Architecture and Morphology. Springer Proceedings in Physics, 2019, , 93-118.	0.1	1
44	Electron Structure and Optical Properties of Conjugated Systems in Solutions. Springer Proceedings in Physics, 2019, , 225-248.	0.1	0
45	Gibbs Adsorption Impact on a Nanodroplet Shape: Modification of Youngâ€“Laplace Equation. Journal of Physical Chemistry B, 2018, 122, 3176-3183.	1.2	15
46	Does C60 fullerene act as a transporter of small aromatic molecules?. Colloids and Surfaces B: Biointerfaces, 2018, 164, 134-143.	2.5	34
47	Microstructure and optical properties of nematic and cholesteric liquid crystals doped with organo-modified platelets. Journal of Molecular Liquids, 2018, 267, 279-285.	2.3	25
48	Relaxation and Vitrification Processes of Disordered Iron Based Systems. Springer Proceedings in Physics, 2018, , 331-372.	0.1	5
49	Self-Organization of Pristine C60 Fullerene and its Complexes with Chemotherapy Drugs in Aqueous Solution as Promising Anticancer Agents. Springer Proceedings in Physics, 2018, , 3-22.	0.1	5
50	Atomic charges for conformationally rich molecules obtained through a modified principal component regression. Physical Chemistry Chemical Physics, 2018, 20, 2890-2903.	1.3	1
51	The Remote Radiation Monitoring of Highly Radioactive Sports in the Chornobyl Exclusion Zone. Journal of Intelligent and Robotic Systems: Theory and Applications, 2018, 90, 437-442.	2.0	9
52	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
53	On the Impact of Polyethylene Glycol on the Structure of Aqueous Micellar Solutions of Sodium Oleate According to Small-Angle Neutron Scattering. Journal of Surface Investigation, 2018, 12, 1142-1148.	0.1	7
54	Equation of state for all regimes of a fluid: From gas to liquid. Physical Review E, 2018, 98, .	0.8	11

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55	Monte Carlo studies of optical transmission of anisotropic suspensions. Journal of Molecular Liquids, 2018, 272, 1025-1029.	2.3	6
56	Structural reorganization of fullerene C70 in N-methyl-2-pyrrolidone/toluene mixtures. Journal of Molecular Liquids, 2018, 272, 948-952.	2.3	8
57	Specifics of C60 Fullerene Cluster Formation in a Solvent Mixture of Toluene and N-Methyl-2-Pyrollidone. Journal of Surface Investigation, 2018, 12, 872-876.	0.1	4
58	Evidence for a first-order phase transition at the divergence region of activity expansions. Physical Review E, 2018, 98, .	0.8	10
59	Thermally Responsive Hyperbranched Poly(ionic liquid)s: Assembly and Phase Transformations. Macromolecules, 2018, 51, 4923-4937.	2.2	33
60	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
61	On the in-depth density distribution of layered assemblies of Au nanoparticles on planar interfaces. Chemical Physics Letters, 2018, 706, 601-606.	1.2	2
62	MD-modeling of the intermediate scattering function for argon-like liquids and water. Journal of Molecular Liquids, 2018, 263, 200-208.	2.3	1
63	Structural Aspects of Fe3O4/CoFe2O4 Magnetic Nanoparticles According to X-Ray and Neutron Scattering. Journal of Surface Investigation, 2018, 12, 737-743.	0.1	8
64	On Enhancement of the Adsorption-Layer Effect at the Metallic Electrodeâ˜Liquid Electrolyte Interface in Specular Neutron Reflectometry Experiments. Journal of Surface Investigation, 2018, 12, 651-657.	0.1	8
65	Asymptotics of activity series at the divergence point. Pramana - Journal of Physics, 2018, 91, 1.	0.9	9
66	Application of a territorial remote radiation monitoring system at the Chornobyl nuclear accident site. Journal of Applied Remote Sensing, 2018, 12, 1.	0.6	12
67	Neutron reflectometry for structural studies in thin films of polymer nanocomposites. Modeling. Nuclear Physics and Atomic Energy, 2018, 19, 376-382.	0.2	4
68	Phase Equilibrium, Thermodynamic Limit, and Melting Temperature in Nanocrystals. Ukrainian Journal of Physics, 2018, 63, 1036.	0.1	13
69	Fullerene Clustering in C70/N-Methyl-2-Pyrrolidone/Toluene Liquid System. Ukrainian Journal of Physics, 2018, 63, 116.	0.1	6
70	Energy Spectra Correlation of Vibrational and Electronic Excitations and Their Dispersion in Graphite and Graphene. Ukrainian Journal of Physics, 2018, 63, 431.	0.1	5
71	Dissipative Rayleighâ€“Taylor Instability and its Contribution to the Formation of an Interface between Biomaterials at Their Electric Welding. Ukrainian Journal of Physics, 2018, 63, 747.	0.1	5
72	Melting thermodynamics of nanocrystals. Journal of Physical Studies, 2018, 22, .	0.2	10

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73	Dielectric properties of aqueous cellulose nanocrystals and nanofibers suspensions. Journal of Physical Studies, 2018, 22, .	0.2	0
74	Temperature Dependence of the Bulk Elasticity Modulus of Aliphatic Alcohols and Their Fluorinated Analogs. Ukrainian Journal of Physics, 2018, 63, 134.	0.1	1
75	Investigation of Mechanisms of Potassium and Cesium-137 Uptake by Plants with Optical and Gamma Spectrometries in the Field under Water-Stressed Conditions. Ukrainian Journal of Physics, 2018, 63, 238.	0.1	0
76	Anomalies of the Sound Absorption Coefficient for Binary Solutions with a Critical Stratification Temperature. Ukrainian Journal of Physics, 2018, 63, 308.	0.1	1
77	Mechanism of Interaction Between the Boundary Layer of a Polymer Membrane and a Gas Environment. Ukrainian Journal of Physics, 2018, 63, 333.	0.1	0
78	Small-angle neutron scattering by liquid systems of fullerenes Đ¡60 and Đ¡70. Nuclear Physics and Atomic Energy, 2018, 19, 252-257.	0.2	0
79	Anomalous propagation and scattering of sound in 2-propanol water solution near its singular point. Journal of Molecular Liquids, 2017, 235, 24-30.	2.3	13
80	Molecular mechanism of the viscosity of aqueous glucose solutions. Russian Journal of Physical Chemistry A, 2017, 91, 89-93.	0.1	5
81	Star-like dextran-graft-pnipam copolymers. Effect of internal molecular structure on the phase transition. Journal of Molecular Liquids, 2017, 235, 77-82.	2.3	29
82	NMR and FTIR studies of clustering of water molecules: From low-temperature matrices to nano-structured materials used in innovative medicine. Journal of Molecular Liquids, 2017, 235, 1-6.	2.3	28
83	Flocculative ability of uncharged and hydrolyzed graft and linear polyacrylamides. Journal of Molecular Liquids, 2017, 227, 26-30.	2.3	8
84	C60 fullerene enhances cisplatin anticancer activity and overcomes tumor cell drug resistance. Nano Research, 2017, 10, 652-671.	5.8	61
85	Divergence of activity expansions: Is it actually a problem?. Physical Review E, 2017, 96, 062115.	0.8	17
86	Size dependence of the surface tension of a free surface of an isotropic fluid. Physical Review E, 2017, 95, 062801.	0.8	18
87	Structure analysis of aqueous ferrofluids at interface with silicon: neutron reflectometry data. Journal of Physics: Conference Series, 2017, 848, 012015.	0.3	7
88	Structural aspectsÂof magnetic fluid stabilization in aqueous agarose solutions. Journal of Magnetism and Magnetic Materials, 2017, 431, 16-19.	1.0	10
89	Neutron time-of-flight reflectometer GRAINS with horizontal sample plane at the IBR-2 reactor: Possibilities and prospects. Crystallography Reports, 2017, 62, 1002-1008.	0.1	24
90	Lattice Gas Condensation and its Relation to the Divergence of Virial Expansions in the Powers of Activity. Ukrainian Journal of Physics, 2017, 62, 533-538.	0.1	11

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91	Two-step percolation in aggregating systems. Condensed Matter Physics, 2017, 20, 13602.	0.3	4
92	The mechanism of spraying of paraffin-based fuel by using of plasma transferred arc. KosmÃ¬Ä•na Nauka Ã¬ TehnologÃ¬Ã¢, 2017, 23, 30-35.	0.1	0
93	Dependence of the concentrations of 137Cs and potassium in extracted soil solutions on soil humidity before centrifugation. Nuclear Physics and Atomic Energy, 2017, 18, 87-92.	0.2	0
94	Evaluation of Arterial Wall Elasticity during Ultra-sound Diagnostics. Ukrainian Journal of Physics, 2017, 62, 378-381.	0.1	1
95	Phase Transitions at Dehydration of Glucose. Ukrainian Journal of Physics, 2017, 62, 502-507.	0.1	2
96	Relaxation and equilibrium properties of dilute aqueous solutions of alcohols. Russian Chemical Bulletin, 2016, 65, 851-876.	0.4	14
97	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
98	Study of silicate glasses with PbS nanoparticles using small-angle neutron scattering. Journal of Surface Investigation, 2016, 10, 187-190.	0.1	2
99	Mechanistic interpretation of the varying selectivity of Cesium-137 and potassium uptake by radish (Raphanus sativus L.) under field conditions near Chernobyl. Journal of Environmental Radioactivity, 2016, 152, 85-91.	0.9	7
100	Statistical theory of condensation â€" Advances and challenges. Journal of Molecular Liquids, 2016, 224, 694-712.	2.3	21
101	Can we treat ab initio atomic charges and bond orders as conformation-independent electronic structure descriptors?. RSC Advances, 2016, 6, 74785-74796.	1.7	17
102	Virial and high-density expansions for the Lee-Yang lattice gas. Physical Review E, 2016, 94, 012143.	0.8	17
103	Study of the complexation between Landomycin A and C60 fullerene in aqueous solution. RSC Advances, 2016, 6, 81231-81236.	1.7	12
104	Radiation influence on the temperature-dependent parameters of fluids. Physical Review E, 2016, 93, 032133.	0.8	3
105	Assembly of Amphiphilic Hyperbranched Polymeric Ionic Liquids in Aqueous Media at Different pH and Ionic Strength. Macromolecules, 2016, 49, 8697-8710.	2.2	31
106	SAXS Combined with UV-vis Spectroscopy and QELS: Accurate Characterization of Silver Sols Synthesized in Polymer Matrices. Nanoscale Research Letters, 2016, 11, 35.	3.1	19
107	Structural transformations in bulk and matrix-isolated methanol from measured and computed infrared spectroscopy. Journal of Molecular Liquids, 2016, 216, 53-58.	2.3	17
108	Effect of surfactant excess on the stability of low-polarity ferrofluids probed by small-angle neutron scattering. Crystallography Reports, 2016, 61, 121-125.	0.1	14

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109	Structure and physical properties of ternary NaFâ€“LiFâ€“LnF₃(Ln = La, Nd) systems of eutectic compositions. Physics and Chemistry of Liquids, 2016, 54, 717-726.	0.4	7
110	Efficient tuning of potential parameters for liquidâ€“solid interactions. Molecular Simulation, 2016, 42, 910-915.	0.9	28
111	Impact of high-frequency ultrasound on nanocomposite microcapsules: in silico and in situ visualization. Physical Chemistry Chemical Physics, 2016, 18, 2389-2397.	1.3	32
112	Anomalous Ultrasound Attenuation near the Critical Point of n-Pentanolâ€“Nitromethane Solution Stratification. Ukrainian Journal of Physics, 2016, 61, 375-380.	0.1	6
113	Saccharide Solutions under the Magnetic Field Action. Ukrainian Journal of Physics, 2016, 61, 583-587.	0.1	2
114	Influence of irradiation on the phase equilibrium parameters in liquids. Nuclear Physics and Atomic Energy, 2016, 17, 38-46.	0.2	0
115	Influence of magnetic field to the allocation of imputiry molecules in the structure of optically transparent polymer films. Polymer Journal, 2016, 38, 205-210.	0.3	0
116	Turbulence in Aqueous Glucose Solutions Induced by Magnetic Field. Ukrainian Journal of Physics, 2016, 61, 722-726.	0.1	0
117	Computer Simulation of Evaporation Process of NaCl Aqueous Solution. Ukrainian Journal of Physics, 2016, 61, 812-818.	0.1	1
118	Influence of Radiation on the Phase Transition Temperature in Liquids. Ukrainian Journal of Physics, 2016, 61, 819-825.	0.1	0
119	Relaxation Time of Concentration Fluctuations in a Vicinity of the Critical Stratification Point of the Binary Mixture n-Pentanolâ€“Nitromethane. Ukrainian Journal of Physics, 2016, 61, 879-885.	0.1	3
120	Curvature correction term as a constraint for the Skyrme interaction. Physical Review C, 2015, 92, .	1.1	1
121	Large-scaled clusters in aqueous glucose solutions. Colloid Journal, 2015, 77, 261-266.	0.5	2
122	Structure and toxicity of aqueous fullerene C60 solutions. Journal of Surface Investigation, 2015, 9, 1-5.	0.1	29
123	Structural Characteristics of Aqueous Dispersions of Detonation Nanodiamond and Their Aggregate Fractions as Revealed by Small-Angle Neutron Scattering. Journal of Physical Chemistry C, 2015, 119, 794-802.	1.5	50
124	Structural organization of C60 fullerene, doxorubicin, and their complex in physiological solution as promising antitumor agents. Journal of Nanoparticle Research, 2015, 17, 1.	0.8	49
125	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
126	Lyotropic model membrane structures of hydrated DPPC: DSC and small-angle X-ray scattering studies of phase transitions in the presence of membranotropic agents. Phase Transitions, 2015, 88, 582-592.	0.6	11

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127	Comparative structure analysis of magnetic fluids at interface with silicon by neutron reflectometry. Applied Surface Science, 2015, 352, 49-53.	3.1	15
128	Physics of Liquid Matter: Modern Problems. Springer Proceedings in Physics, 2015, , .	0.1	2
129	Global Isomorphism Approach: Main Results and Perspectives. Springer Proceedings in Physics, 2015, , 53-75.	0.1	3
130	Structure of Polyglycols Doped by Nanoparticles with Anisotropic Shape. Springer Proceedings in Physics, 2015, , 165-198.	0.1	13
131	Structural self-organization of C₆₀ and cisplatin in physiological solution. Physical Chemistry Chemical Physics, 2015, 17, 26084-26092.	1.3	40
132	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
133	SANS contrast variation study of magnetoferritin structure at various iron loading. Journal of Magnetism and Magnetic Materials, 2015, 377, 77-80.	1.0	17
134	Concentration Dependences of the Dynamic Properties of NaCl Aqueous Solution on the Basis of the Results of Molecular Dynamics and Quasi-Elastic Neutron Scattering Researches. Ukrainian Journal of Physics, 2015, 60, 503-510.	0.1	3
135	Small-Angle X-Ray Scattering and Differential Scanning Calorimetry Studies of DPPC Multilamellar Structures Containing Membranotropic Agents of Different Chemical Nature. Ukrainian Journal of Physics, 2015, 60, 905-909.	0.1	3
136	Impact of Aggregation on the Percolation Anisotropy on a Square Lattice in an Elongated Geometry. Ukrainian Journal of Physics, 2015, 60, 910-916.	0.1	3
137	Refractometry of Waterâ€“Ethanol Solutions near Their Contraction Point. Ukrainian Journal of Physics, 2015, 60, 1108-1114.	0.1	3
138	Calculation of Equilibrium Constant for Dimerization of Heavy Water Molecules in Saturated Vapor. Ukrainian Journal of Physics, 2015, 60, 263-267.	0.1	0
139	Anomalous Asymptotic of Small-Angle Neutron Scattering Intensity. Ukrainian Journal of Physics, 2015, 60, 314-317.	0.1	1
140	Influence Of Radiation On The Local Structure In A NaCl Aqueous Solution. Ukrainian Journal of Physics, 2015, 60, 422-427.	0.1	2
141	Influence Of Fluorination On The Physical Properties Of Normal Aliphatic Alcohols. Ukrainian Journal of Physics, 2015, 60, 428-432.	0.1	4
142	Investigation of the cluster structure in aqueous suspensions of nanodiamonds by small-angle neutron scattering. Nuclear Physics and Atomic Energy, 2015, 16, 198-202.	0.2	2
143	Phonon Energy Spectra and Stationary Elastic Waves in Single-Walled Carbon Nanotubes and Graphite Bulk Crystals. Ukrainian Journal of Physics, 2015, 60, 925-931.	0.1	1
144	Radiation-Induced Damages in Multi-Walled Carbon Nanotubes at Electron Irradiation. Ukrainian Journal of Physics, 2015, 60, 1150-1154.	0.1	0

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145	Structure of Aqueous Monovalent Electrolyte Solutions. Ukrainian Journal of Physics, 2015, 60, 1218-1223.	0.1	0
146	Structure and Interaction of Poly(ethylene glycol) in Aqueous Solutions. Smallâ€Angle Neutron Scattering Data. Macromolecular Symposia, 2014, 335, 20-23.	0.4	13
147	JANPA: An open source cross-platform implementation of the Natural Population Analysis on the Java platform. Computational and Theoretical Chemistry, 2014, 1050, 15-22.	1.1	108
148	Changes in the Area per Lipid Molecule by Pâ€“Vâ€“T and SANS Investigations. Macromolecular Symposia, 2014, 335, 58-61.	0.4	6
149	â€œDoughnutâ€•nuclear shapes in head-on heavy ion collisions. Physical Review C, 2014, 89, .	1.1	8
150	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
151	Structure of the magnetite-oleic acid-decalin magnetic fluid from small-angle neutron scattering data. Physics of the Solid State, 2014, 56, 91-96.	0.2	10
152	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
153	Influence of Single-Walled Carbon Nanotubes on Thermal Expansion of Water. International Journal of Thermophysics, 2014, 35, 19-31.	1.0	21
154	Concentration dependence of physical properties of liquid NaFâ€“LiFâ€“NdF3 alloys. Nuclear Engineering and Design, 2014, 270, 60-64.	0.8	8
155	Studying the structural features of oxide nanoclusters of cerium and titanium in a silicate glass by means of the small-angle neutron scattering. Journal of Surface Investigation, 2014, 8, 98-103.	0.1	5
156	On the Origin of C₆₀ Fullerene Solubility in Aqueous Solution. Langmuir, 2014, 30, 3967-3970.	1.6	109
157	Regulation of dispersion of carbon nanotubes in binary water+1-Cyclohexyl-2-pyrrolidone mixtures. Physica E: Low-Dimensional Systems and Nanostructures, 2014, 59, 150-157.	1.3	12
158	The heavy ion irradiation influence on the thermodynamic parameters of liquids in human body. Biophysics (Russian Federation), 2014, 59, 420-424.	0.2	0
159	Evaluation of the curvature-correction term from the equation of state of nuclear matter. Physical Review C, 2014, 90, .	1.1	7
160	Small-angle scattering from polydisperse particles with a diffusive surface. Journal of Applied Crystallography, 2014, 47, 642-653.	1.9	30
161	The Complexation of the Anticancer Drug ThioTEPA with Methylated DNA Base Guanine: Combined Ab Initio and QTAIM Investigation. Molecular Informatics, 2014, 33, 104-114.	1.4	7
162	Models of hydration and isomeric transitions of glucose molecules in aqueous solutions. Russian Journal of Physical Chemistry A, 2014, 88, 803-806.	0.1	2

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163	Mechanism of Nanobubble Formation in Water on a Hydrophobic Surface. Ukrainian Journal of Physics, 2014, 59, 95-97.	0.1	1
164	Aging of Aqueous Laponite Dispersions in the Presence of Sodium Polystyrene Sulfonate. Ukrainian Journal of Physics, 2014, 59, 589-595.	0.1	6
165	Light Scattering by Aqueous Solutions of Alcohols Near Their Singular Points. Ukrainian Journal of Physics, 2014, 59, 881-883.	0.1	8
166	Jamming and percolation of parallel squares in single-cluster growth model. Condensed Matter Physics, 2014, 17, 33006.	0.3	11
167	Physical Properties of Liquid Eutectic Ionic Systems NaFâ˜LaF3 and NaFâ˜NdF3. Ukrainian Journal of Physics, 2014, 59, 769-774.	0.1	1
168	Neutron and Optical Researches of Multicomponent Crystalline Y3Al5O12:Ce3+/Lu2O3 and Lu3Al5O12:Ce3+/Lu2O3 luminophors. Ukrainian Journal of Physics, 2014, 59, 901-905.	0.1	0
169	Powder structure of magnetic nanoparticles with a substituted pyrrole copolymer shells according to small-angle neutron scattering. Journal of Surface Investigation, 2013, 7, 5-9.	0.1	1
170	On determination of the structural parameters of polydisperse magnetic fluids by small-angle neutron scattering. Journal of Surface Investigation, 2013, 7, 99-104.	0.1	5
171	Non-reversible solvatochromism in N-methyl-2-pyrrolidone/toluene mixed solutions of fullerene C60. Chemical Physics Letters, 2013, 556, 178-181.	1.2	33
172	Reorganization of the cluster state in a C60/N-Methylpyrrolidone/water solution: Comparative characteristics of dynamic light scattering and small-angle neutron scattering data. Journal of Surface Investigation, 2013, 7, 1133-1136.	0.1	8
173	Changes in the crystalline structure of chlorpropamide at high pressures and temperatures. Journal of Surface Investigation, 2013, 7, 1143-1147.	0.1	2
174	The spatial diamondâ€“graphite transition in detonation nanodiamond as revealed by small-angle neutron scattering. Journal of Physics Condensed Matter, 2013, 25, 445001.	0.7	29
175	Physical properties of liquid NaFâ€“LiFâ€“LaF3 and NaFâ€“LiFâ€“NdF3 eutectic alloys. Journal of Nuclear Materials, 2013, 433, 329-333.	1.3	17
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