Olga E Philippova

List of Publications by Citations

73 papers	2,118 citations	24 h-index	44 g-index
77 ext. papers	2,333 ext. citations	4.2 avg, IF	5.02 L-index

#	Paper	IF	Citations
73	pH-Responsive Gels of Hydrophobically Modified Poly(acrylic acid). *Macromolecules*, **1997**, 30, 8278-8285	5.5	314
72	Magnetic polymer beads: Recent trends and developments in synthetic design and applications. *European Polymer Journal*, **2011**, 47, 542-559	5.2	216
71	Two types of hydrophobic aggregates in aqueous solutions of chitosan and its hydrophobic derivative. *Biomacromolecules*, **2001**, 2, 483-90	6.9	197
70	Rheology of viscoelastic solutions of cationic surfactant. Effect of added associating polymer. *Langmuir*, **2005**, 21, 1524-30	4	115
69	Chitosan and its hydrophobic derivatives: Preparation and aggregation in dilute aqueous solutions. *Polymer Science - Series A*, **2012**, 54, 552-572	1.2	88
68	Self-assembled networks highly responsive to hydrocarbons. *Langmuir*, **2007**, 23, 105-11	4	71
67	Aggregation of some water-soluble derivatives of chitin in aqueous solutions: Role of the degree of acetylation and effect of hydrogen bond breaker. *Carbohydrate Polymers*, **2012**, 87, 687-694	10.3	66
66	How a viscoelastic solution of wormlike micelles transforms into a microemulsion upon absorption of hydrocarbon: new insight. *Langmuir*, **2014**, 30, 3705-14	4	59
65	Multichain aggregates in dilute solutions of associating polyelectrolyte keeping a constant size at the increase in the chain length of individual macromolecules. *Biomacromolecules*, **2010**, 11, 3457-66	6.9	59
64	Viscoelasticity of smart fluids based on wormlike surfactant micelles and oppositely charged magnetic particles. *Langmuir*, **2015**, 31, 110-9	4	51
63	Polyacrylamide Hydrogels with Trapped Polyelectrolyte Rods. *Macromolecules*, **1998**, 31, 1168-1179	5.5	50
62	Use of Luminescence of Europium Ions for the Study of the Interaction of Polyelectrolyte Hydrogels with Multivalent Cations. *Journal of Physical Chemistry B*, **1999**, 103, 7621-7626	3.4	39
61	Smart polymers for oil production. *Petroleum Chemistry*, **2010**, 50, 266-270	1.1	37
60	Effects of hydrophobic substituents and salt on core-shell aggregates of hydrophobically modified chitosan: light scattering study. *Langmuir*, **2012**, 28, 7880-8	4	35
59	Effect of the mobility of charged units on the microphase separation in amphiphilic polyelectrolyte hydrogels. *Langmuir*, **2005**, 21, 1216-22	4	34
58	Rheological Behavior of Oil-Swollen Wormlike Surfactant Micelles. *Journal of Physical Chemistry B*, **2015**, 119, 15938-46	3.4	33
57	Charge-Induced Microphase Separation in Polyelectrolyte Hydrogels with Associating Hydrophobic Side Chains:Small-Angle Neutron Scattering Study. *Langmuir*, **2003**, 19, 7240-7248	4	33

56	Multiplets in Polymer Gels. Rare Earth Metal Ions Luminescence Study. *Macromolecules*, **1998**, 31, 1162-1167	5.5	33
55	Viscoelastic Synergy and Microstructure Formation in Aqueous Mixtures of Nonionic Hydrophilic Polymer and Charged Wormlike Surfactant Micelles. *Macromolecules*, **2017**, 50, 339-348	5.5	32
54	New Type of Swelling Behavior upon Gel Ionization: Theory vs Experiment. *Macromolecules*, **2013**, 46, 9359-9367	5.5	28
53	Change of Elastic Modulus of Strongly Charged Hydrogels at the Collapse Transition. *Macromolecules*, **1999**, 32, 1508-1513	5.5	28
52	Two mechanisms of gel/surfactant binding. *Polymer Gels and Networks*, **1998**, 6, 409-421		27
51	Impact of Salt Co- and Counterions on Rheological Properties and Structure of Wormlike Micellar Solutions. *Journal of Physical Chemistry B*, **2016**, 120, 12547-12556	3.4	26
50	Clusters of Optimum Size Formed by Hydrophobically Associating Polyelectrolyte in Homogeneous Solutions and in Supernatant Phase in Equilibrium with Macroscopic Physical Gel. *Macromolecular Chemistry and Physics*, **2005**, 206, 173-179	2.6	24
49	Structure and Rheology of Solutions and Gels of Stiff Polyelectrolyte at High Salt Concentration. *Macromolecules*, **2016**, 49, 6031-6040	5.5	22
48	Role of Charge of Micellar Worms in Modulating Structure and Rheological Properties of Their Mixtures with Nonionic Polymer. *Macromolecules*, **2018**, 51, 213-221	5.5	21
47	Dominant role of wormlike micelles in temperature-responsive viscoelastic properties of their mixtures with polymeric chains. *Journal of Colloid and Interface Science*, **2013**, 394, 353-9	9.3	20
46	Salt-Controlled Intrachain/Interchain Segregation in DNA Complexed with Polycation of Natural Origin. *Macromolecules*, **2005**, 38, 9359-9365	5.5	19
45	Wormlike Surfactant Micelles with Embedded Polymer Chains. *Macromolecules*, **2017**, 50, 7299-7308	5.5	17
44	Investigation of translational motion of poly(ethylene glycol) macromolecules in poly(methacrylic acid) hydrogels. *Macromolecular Chemistry and Physics*, **1999**, 200, 2152-2159	2.6	17
43	Conformational transitions in poly(methacrylic acid) gel/poly(ethylene glycol) complexes. Effect of the gel cross-linking density. *Macromolecular Chemistry and Physics*, **1996**, 197, 2373-2378	2.6	17
42	Structure, rheological and responsive properties of a new mixed viscoelastic surfactant system. *Colloids and Surfaces A: Physicochemical and Engineering Aspects*, **2020**, 586, 124284	5.1	17
41	Growth of wormlike micelles of surfactant induced by embedded polymer: role of polymer chain length. *Soft Matter*, **2018**, 14, 4792-4804	3.6	16
40	Enhanced rheological properties and performance of viscoelastic surfactant fluids with embedded nanoparticles. *Current Opinion in Colloid and Interface Science*, **2019**, 43, 52-62	7.6	16
39	Different responsiveness to hydrocarbons of linear and branched anionic/cationic-mixed wormlike surfactant micelles. *Colloid and Polymer Science*, **2019**, 297, 351-362	2.4	16

38	pH-Dependent Gelation of a Stiff Anionic Polysaccharide in the Presence of Metal Ions. *Polymers*, **2020**, 12,	4.5	14
37	Interaction of slightly crosslinked gels of poly(diallyldimethylammonium bromide) with sodium dodecyl sulfate and cetylpyridinium bromide. *Macromolecular Chemistry and Physics*, **1995**, 196, 1855-1863	2.6	14
36	Curing cycloaliphatic epoxy resin with 4-methylhexahydrophthalic anhydride: Catalyzed vs. uncatalyzed reaction. *Polymer*, **2019**, 178, 121590	3.9	12
35	Soft magnetic nanocomposites based on adaptive matrix of wormlike surfactant micelles.. *RSC Advances*, **2018**, 8, 11589-11597	3.7	12
34	Supramolecular structures in polyelectrolyte gels. *Faraday Discussions*, **1995**, 101, 125	3.6	11
33	Supramolecular structures and conformational transitions in polyelectrolyte gels. *Macromolecular Symposia*, **1994**, 87, 69-91	0.8	11
32	Ion-Specific Self-Assembly of Hydrophobically Modified Polycation of Natural Origin. *Macromolecules*, **2015**, 48, 8622-8628	5.5	10
31	Reinforced superabsorbent polyacrylamide hydrogels. *Macromolecular Symposia*, **2003**, 200, 45-54	0.8	10
30	Cycloaliphatic epoxy resin cured with anhydride in the absence of catalyst. *Colloid and Polymer Science*, **2019**, 297, 409-416	2.4	10
29	Transformations of wormlike surfactant micelles induced by a water-soluble monomer. *Journal of Colloid and Interface Science*, **2021**, 602, 590-601	9.3	10
28	Polymer-Surfactant Networks Highly Responsive to Hydrocarbons. *Macromolecular Symposia*, **2010**, 291-292, 137-143	0.8	9
27	Opposite effect of salt on branched wormlike surfactant micelles with and without embedded polymer. *Journal of Molecular Liquids*, **2020**, 311, 113301	6	8
26	Chitosan composites with Ag nanoparticles formed in carbonic acid solutions. *Carbohydrate Polymers*, **2018**, 190, 103-112	10.3	8
25	Ion aggregation in polymer gels. *Macromolecular Symposia*, **1999**, 146, 207-213	0.8	8
24	Polymer-like Wormlike Micelles of Ionic Surfactants: Structure and Rheological Properties. *Polymer Science - Series A*, **2019**, 61, 215-225	1.2	7
23	A Facile Method of Preparation of Polymer-Stabilized Perfluorocarbon Nanoparticles with Enhanced Contrast for Molecular Magnetic Resonance Imaging. *BioNanoScience*, **2017**, 7, 456-463	3.4	7
22	Visualization of different pathways of DNA release from interpolyelectrolyte complex. *Journal of Physical Chemistry B*, **2007**, 111, 8373-8	3.4	6
21	Disruption of Cationic/Anionic Viscoelastic Surfactant Micellar Networks by Hydrocarbon as a Basis of Enhanced Fracturing Fluids Clean-Up. *Nanomaterials*, **2020**, 10,	5.4	5

20	Viscoelastic Solutions of Wormlike Micelles of a Cationic Surfactant and a Stiff-Chain Anionic Polyelectrolyte. *Polymer Science - Series A*, **2019**, 61, 765-772	1.2	5
19	Selective separation of polymer mixtures by bubble-flotation chromatography *Mendeleev Communications*, **2003**, 13, 217-219	1.9	4
18	Green nanocomposite gels based on binary network of sodium alginate and percolating halloysite clay nanotubes for 3D printing.. *Carbohydrate Polymers*, **2022**, 282, 119106	10.3	4
17	Revealing defects hampering the formation of epoxy networks with extremely high thermal properties: Theory and experiments. *Polymer Testing*, **2020**, 90, 106645	4.5	3
16	Magnetorheological Fluids Based on Associating Polymers. *Macromolecular Symposia*, **2014**, 337, 80-86	0.8	3
15	Dielectric spectroscopy study of poly(methacrylic acid) gels. *Macromolecular Symposia*, **2001**, 170, 91-98	0.8	3
14	Miscibility enhancement of polymers in polar media by incorporation of a small amount of charged groups into the polymer chains. *Die Makromolekulare Chemie Rapid Communications*, **1993**, 14, 421-425		3
13	Dual Transient Networks of Polymer and Micellar Chains: Structure and Viscoelastic Synergy. *Polymers*, **2021**, 13,	4.5	3
12	Printable Alginate Hydrogels with Embedded Network of Halloysite Nanotubes: Effect of Polymer Cross-Linking on Rheological Properties and Microstructure. *Polymers*, **2021**, 13,	4.5	3
11	Double dynamic hydrogels formed by wormlike surfactant micelles and cross-linked polymer.. *Journal of Colloid and Interface Science*, **2021**, 611, 46-60	9.3	3
10	Remotely Self-Healable, Shapeable and pH-Sensitive Dual Cross-Linked Polysaccharide Hydrogels with Fast Response to Magnetic Field. *Nanomaterials*, **2021**, 11,	5.4	3
9	Unmodified Silica Nanoparticles Enhance Mechanical Properties and Welding Ability of Epoxy Thermosets with Tunable Vitrimer Matrix. *Polymers*, **2021**, 13,	4.5	3
8	Novel Trends in the Development of Surfactant-Based Hydraulic Fracturing Fluids: A Review.. *Gels*, **2021**, 7,	4.2	3
7	Solution Properties of Associating Polymers **2016**, 141-158		2
6	Structural transformations of charged spherical surfactant micelles upon solubilization of water-insoluble polymer chains in salt-free aqueous solutions. *Journal of Molecular Liquids*, **2022**, 347, 118326	6	2
5	Preparation of Magnetic Fluids Based on Associated Polymers. *Advanced Materials Research*, **2013**, 650, 314-319	0.5	1
4	Polyelectrolyte=Ionomer Behavior of Polymer Gels **2001**,		1
3	Magnetic-field-assisted synthesis of anisotropic iron oxide particles: Effect of pH. *Beilstein Journal of Nanotechnology*, **2020**, 11, 1230-1241	3	1

2	Viscosity of macromolecules with complex architecture. *Polymer*, **2022**, 244, 124622	3.9	0
1	Strong Viscosity Increase in Aqueous Solutions of Cationic C22-Tailed Surfactant Wormlike Micelles. *Fluids*, **2022**, 7, 8	1.6	0