

# Olga E Philippova

## List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

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	Green nanocomposite gels based on binary network of sodium alginate and percolating halloysite clay nanotubes for 3D printing.. <i>Carbohydrate Polymers</i> , <b>2022</b> , 282, 119106	10.3	4
72	Structural transformations of charged spherical surfactant micelles upon solubilization of water-insoluble polymer chains in salt-free aqueous solutions. <i>Journal of Molecular Liquids</i> , <b>2022</b> , 347, 118326	6	2
71	Viscosity of macromolecules with complex architecture. <i>Polymer</i> , <b>2022</b> , 244, 124622	3.9	0
70	Strong Viscosity Increase in Aqueous Solutions of Cationic C22-Tailed Surfactant Wormlike Micelles. <i>Fluids</i> , <b>2022</b> , 7, 8	1.6	0
69	Dual Transient Networks of Polymer and Micellar Chains: Structure and Viscoelastic Synergy. <i>Polymers</i> , <b>2021</b> , 13,	4.5	3
68	Printable Alginate Hydrogels with Embedded Network of Halloysite Nanotubes: Effect of Polymer Cross-Linking on Rheological Properties and Microstructure. <i>Polymers</i> , <b>2021</b> , 13,	4.5	3
67	Double dynamic hydrogels formed by wormlike surfactant micelles and cross-linked polymer.. <i>Journal of Colloid and Interface Science</i> , <b>2021</b> , 611, 46-60	9.3	3
66	Remotely Self-Healable, Shapeable and pH-Sensitive Dual Cross-Linked Polysaccharide Hydrogels with Fast Response to Magnetic Field. <i>Nanomaterials</i> , <b>2021</b> , 11,	5.4	3
65	Unmodified Silica Nanoparticles Enhance Mechanical Properties and Welding Ability of Epoxy Thermosets with Tunable Vitriimer Matrix. <i>Polymers</i> , <b>2021</b> , 13,	4.5	3
64	Transformations of wormlike surfactant micelles induced by a water-soluble monomer. <i>Journal of Colloid and Interface Science</i> , <b>2021</b> , 602, 590-601	9.3	10
63	Novel Trends in the Development of Surfactant-Based Hydraulic Fracturing Fluids: A Review.. <i>Gels</i> , <b>2021</b> , 7,	4.2	3
62	Opposite effect of salt on branched wormlike surfactant micelles with and without embedded polymer. <i>Journal of Molecular Liquids</i> , <b>2020</b> , 311, 113301	6	8
61	Revealing defects hampering the formation of epoxy networks with extremely high thermal properties: Theory and experiments. <i>Polymer Testing</i> , <b>2020</b> , 90, 106645	4.5	3
60	pH-Dependent Gelation of a Stiff Anionic Polysaccharide in the Presence of Metal Ions. <i>Polymers</i> , <b>2020</b> , 12,	4.5	14
59	Structure, rheological and responsive properties of a new mixed viscoelastic surfactant system. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , <b>2020</b> , 586, 124284	5.1	17
58	Magnetic-field-assisted synthesis of anisotropic iron oxide particles: Effect of pH. <i>Beilstein Journal of Nanotechnology</i> , <b>2020</b> , 11, 1230-1241	3	1
57	Disruption of Cationic/Anionic Viscoelastic Surfactant Micellar Networks by Hydrocarbon as a Basis of Enhanced Fracturing Fluids Clean-Up. <i>Nanomaterials</i> , <b>2020</b> , 10,	5.4	5

56	Curing cycloaliphatic epoxy resin with 4-methylhexahydrophthalic anhydride: Catalyzed vs. uncatalyzed reaction. <i>Polymer</i> , <b>2019</b> , 178, 121590	3.9	12
55	Polymer-like Wormlike Micelles of Ionic Surfactants: Structure and Rheological Properties. <i>Polymer Science - Series A</i> , <b>2019</b> , 61, 215-225	1.2	7
54	Enhanced rheological properties and performance of viscoelastic surfactant fluids with embedded nanoparticles. <i>Current Opinion in Colloid and Interface Science</i> , <b>2019</b> , 43, 52-62	7.6	16
53	Viscoelastic Solutions of Wormlike Micelles of a Cationic Surfactant and a Stiff-Chain Anionic Polyelectrolyte. <i>Polymer Science - Series A</i> , <b>2019</b> , 61, 765-772	1.2	5
52	Different responsiveness to hydrocarbons of linear and branched anionic/cationic-mixed wormlike surfactant micelles. <i>Colloid and Polymer Science</i> , <b>2019</b> , 297, 351-362	2.4	16
51	Cycloaliphatic epoxy resin cured with anhydride in the absence of catalyst. <i>Colloid and Polymer Science</i> , <b>2019</b> , 297, 409-416	2.4	10
50	Chitosan composites with Ag nanoparticles formed in carbonic acid solutions. <i>Carbohydrate Polymers</i> , <b>2018</b> , 190, 103-112	10.3	8
49	Role of Charge of Micellar Worms in Modulating Structure and Rheological Properties of Their Mixtures with Nonionic Polymer. <i>Macromolecules</i> , <b>2018</b> , 51, 213-221	5.5	21
48	Soft magnetic nanocomposites based on adaptive matrix of wormlike surfactant micelles.. <i>RSC Advances</i> , <b>2018</b> , 8, 11589-11597	3.7	12
47	Growth of wormlike micelles of surfactant induced by embedded polymer: role of polymer chain length. <i>Soft Matter</i> , <b>2018</b> , 14, 4792-4804	3.6	16
46	Viscoelastic Synergy and Microstructure Formation in Aqueous Mixtures of Nonionic Hydrophilic Polymer and Charged Wormlike Surfactant Micelles. <i>Macromolecules</i> , <b>2017</b> , 50, 339-348	5.5	32
45	Wormlike Surfactant Micelles with Embedded Polymer Chains. <i>Macromolecules</i> , <b>2017</b> , 50, 7299-7308	5.5	17
44	A Facile Method of Preparation of Polymer-Stabilized Perfluorocarbon Nanoparticles with Enhanced Contrast for Molecular Magnetic Resonance Imaging. <i>BioNanoScience</i> , <b>2017</b> , 7, 456-463	3.4	7
43	Solution Properties of Associating Polymers <b>2016</b> , 141-158		2
42	Impact of Salt Co- and Counterions on Rheological Properties and Structure of Wormlike Micellar Solutions. <i>Journal of Physical Chemistry B</i> , <b>2016</b> , 120, 12547-12556	3.4	26
41	Structure and Rheology of Solutions and Gels of Stiff Polyelectrolyte at High Salt Concentration. <i>Macromolecules</i> , <b>2016</b> , 49, 6031-6040	5.5	22
40	Ion-Specific Self-Assembly of Hydrophobically Modified Polycation of Natural Origin. <i>Macromolecules</i> , <b>2015</b> , 48, 8622-8628	5.5	10
39	Viscoelasticity of smart fluids based on wormlike surfactant micelles and oppositely charged magnetic particles. <i>Langmuir</i> , <b>2015</b> , 31, 110-9	4	51

38	Rheological Behavior of Oil-Swollen Wormlike Surfactant Micelles. <i>Journal of Physical Chemistry B</i> , <b>2015</b> , 119, 15938-46	3-4	33
37	Magnetorheological Fluids Based on Associating Polymers. <i>Macromolecular Symposia</i> , <b>2014</b> , 337, 80-86	0.8	3
36	How a viscoelastic solution of wormlike micelles transforms into a microemulsion upon absorption of hydrocarbon: new insight. <i>Langmuir</i> , <b>2014</b> , 30, 3705-14	4	59
35	Preparation of Magnetic Fluids Based on Associated Polymers. <i>Advanced Materials Research</i> , <b>2013</b> , 650, 314-319	0.5	1
34	Dominant role of wormlike micelles in temperature-responsive viscoelastic properties of their mixtures with polymeric chains. <i>Journal of Colloid and Interface Science</i> , <b>2013</b> , 394, 353-9	9.3	20
33	New Type of Swelling Behavior upon Gel Ionization: Theory vs Experiment. <i>Macromolecules</i> , <b>2013</b> , 46, 9359-9367	5.5	28
32	Chitosan and its hydrophobic derivatives: Preparation and aggregation in dilute aqueous solutions. <i>Polymer Science - Series A</i> , <b>2012</b> , 54, 552-572	1.2	88
31	Effects of hydrophobic substituents and salt on core-shell aggregates of hydrophobically modified chitosan: light scattering study. <i>Langmuir</i> , <b>2012</b> , 28, 7880-8	4	35
30	Aggregation of some water-soluble derivatives of chitin in aqueous solutions: Role of the degree of acetylation and effect of hydrogen bond breaker. <i>Carbohydrate Polymers</i> , <b>2012</b> , 87, 687-694	10.3	66
29	Magnetic polymer beads: Recent trends and developments in synthetic design and applications. <i>European Polymer Journal</i> , <b>2011</b> , 47, 542-559	5.2	216
28	Multichain aggregates in dilute solutions of associating polyelectrolyte keeping a constant size at the increase in the chain length of individual macromolecules. <i>Biomacromolecules</i> , <b>2010</b> , 11, 3457-66	6.9	59
27	Polymer-Surfactant Networks Highly Responsive to Hydrocarbons. <i>Macromolecular Symposia</i> , <b>2010</b> , 291-292, 137-143	0.8	9
26	Smart polymers for oil production. <i>Petroleum Chemistry</i> , <b>2010</b> , 50, 266-270	1.1	37
25	Visualization of different pathways of DNA release from interpolyelectrolyte complex. <i>Journal of Physical Chemistry B</i> , <b>2007</b> , 111, 8373-8	3.4	6
24	Self-assembled networks highly responsive to hydrocarbons. <i>Langmuir</i> , <b>2007</b> , 23, 105-11	4	71
23	Salt-Controlled Intrachain/Interchain Segregation in DNA Complexed with Polycation of Natural Origin. <i>Macromolecules</i> , <b>2005</b> , 38, 9359-9365	5.5	19
22	Effect of the mobility of charged units on the microphase separation in amphiphilic polyelectrolyte hydrogels. <i>Langmuir</i> , <b>2005</b> , 21, 1216-22	4	34
21	Rheology of viscoelastic solutions of cationic surfactant. Effect of added associating polymer. <i>Langmuir</i> , <b>2005</b> , 21, 1524-30	4	115

20	Clusters of Optimum Size Formed by Hydrophobically Associating Polyelectrolyte in Homogeneous Solutions and in Supernatant Phase in Equilibrium with Macroscopic Physical Gel. <i>Macromolecular Chemistry and Physics</i> , <b>2005</b> , 206, 173-179	2.6	24
19	Reinforced superabsorbent polyacrylamide hydrogels. <i>Macromolecular Symposia</i> , <b>2003</b> , 200, 45-54	0.8	10
18	Selective separation of polymer mixtures by Bubble-flotation chromatography $\square$ <i>Mendeleev Communications</i> , <b>2003</b> , 13, 217-219	1.9	4
17	Charge-Induced Microphase Separation in Polyelectrolyte Hydrogels with Associating Hydrophobic Side Chains: $\square$ Small-Angle Neutron Scattering Study. <i>Langmuir</i> , <b>2003</b> , 19, 7240-7248	4	33
16	Dielectric spectroscopy study of poly(methacrylic acid) gels. <i>Macromolecular Symposia</i> , <b>2001</b> , 170, 91-98	0.8	3
15	Two types of hydrophobic aggregates in aqueous solutions of chitosan and its hydrophobic derivative. <i>Biomacromolecules</i> , <b>2001</b> , 2, 483-90	6.9	197
14	Polyelectrolyte-Ionomer Behavior of Polymer Gels <b>2001</b> ,		1
13	Change of Elastic Modulus of Strongly Charged Hydrogels at the Collapse Transition. <i>Macromolecules</i> , <b>1999</b> , 32, 1508-1513	5.5	28
12	Investigation of translational motion of poly(ethylene glycol) macromolecules in poly(methacrylic acid) hydrogels. <i>Macromolecular Chemistry and Physics</i> , <b>1999</b> , 200, 2152-2159	2.6	17
11	Use of Luminescence of Europium Ions for the Study of the Interaction of Polyelectrolyte Hydrogels with Multivalent Cations. <i>Journal of Physical Chemistry B</i> , <b>1999</b> , 103, 7621-7626	3.4	39
10	Ion aggregation in polymer gels. <i>Macromolecular Symposia</i> , <b>1999</b> , 146, 207-213	0.8	8
9	Two mechanisms of gel/surfactant binding. <i>Polymer Gels and Networks</i> , <b>1998</b> , 6, 409-421		27
8	Polyacrylamide Hydrogels with Trapped Polyelectrolyte Rods. <i>Macromolecules</i> , <b>1998</b> , 31, 1168-1179	5.5	50
7	Multiplets in Polymer Gels. Rare Earth Metal Ions Luminescence Study. <i>Macromolecules</i> , <b>1998</b> , 31, 1162-1167	5.5	33
6	pH-Responsive Gels of Hydrophobically Modified Poly(acrylic acid). <i>Macromolecules</i> , <b>1997</b> , 30, 8278-8285	5.5	314
5	Conformational transitions in poly(methacrylic acid) gel/poly(ethylene glycol) complexes. Effect of the gel cross-linking density. <i>Macromolecular Chemistry and Physics</i> , <b>1996</b> , 197, 2373-2378	2.6	17
4	Supramolecular structures in polyelectrolyte gels. <i>Faraday Discussions</i> , <b>1995</b> , 101, 125	3.6	11
3	Interaction of slightly crosslinked gels of poly(diallyldimethylammonium bromide) with sodium dodecyl sulfate and cetylpyridinium bromide. <i>Macromolecular Chemistry and Physics</i> , <b>1995</b> , 196, 1855-1863	2.6	14

- 2 Supramolecular structures and conformational transitions in polyelectrolyte gels. *Macromolecular Symposia*, **1994**, 87, 69-91 0.8 11
- 1 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