

Alexei R Khokhlov

List of Publications by Year in descending order

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10,535
citations

28274

55
h-index

54911

84
g-index

335
all docs

335
docs citations

335
times ranked

8209
citing authors

#	ARTICLE	IF	CITATIONS
1	pH-Responsive Gels of Hydrophobically Modified Poly(acrylic acid). <i>Macromolecules</i> , 1997, 30, 8278-8285.	4.8	334
2	Palladium Nanoparticles by Electrospinning from Poly(acrylonitrile-co-acrylic acid)~PdCl ₂ Solutions. Relations between Preparation Conditions, Particle Size, and Catalytic Activity. <i>Macromolecules</i> , 2004, 37, 1787-1792.	4.8	279
3	Magnetic polymer beads: Recent trends and developments in synthetic design and applications. <i>European Polymer Journal</i> , 2011, 47, 542-559.	5.4	247
4	Statistical Physics of Macromolecules. <i>Computers in Physics</i> , 1995, 9, 171.	0.5	243
5	Two Types of Hydrophobic Aggregates in Aqueous Solutions of Chitosan and Its Hydrophobic Derivative. <i>Biomacromolecules</i> , 2001, 2, 483-490.	5.4	211
6	Single Molecule Rod~Globule Phase Transition for Brush Molecules at a Flat Interface. <i>Macromolecules</i> , 2001, 34, 8354-8360.	4.8	196
7	Conformation-Dependent Sequence Design (Engineering) of ABCopolymers. <i>Physical Review Letters</i> , 1999, 82, 3456-3459.	7.8	164
8	Microdomains in block copolymers and multiplets in ionomers: parallels in behavior. <i>Macromolecules</i> , 1993, 26, 3601-3610.	4.8	153
9	Experimental study of the magnetic field enhanced Payne effect in magnetorheological elastomers. <i>Soft Matter</i> , 2014, 10, 8765-8776.	2.7	141
10	Conformational Polymorphism of Amphiphilic Polymers in a Poor Solvent. <i>Macromolecules</i> , 2003, 36, 10103-10111.	4.8	139
11	Weakly Charged Polyelectrolytes:~ Collapse Induced by Extra Ionization. <i>Macromolecules</i> , 1996, 29, 681-685.	4.8	136
12	Statistical physics of liquid-crystalline polymers. <i>Uspekhi Fizicheskikh Nauk</i> , 1988, 31, 988-1014.	0.3	131
13	Rheology of Viscoelastic Solutions of Cationic Surfactant. Effect of Added Associating Polymer. <i>Langmuir</i> , 2005, 21, 1524-1530.	3.5	129
14	Microcalorimetric Study of Thermal Cooperative Transitions in Poly(N-vinylcaprolactam) Hydrogels. <i>Macromolecules</i> , 1997, 30, 2693-2699.	4.8	128
15	Peptide nanofibrils boost retroviral gene transfer and provide a rapid means for concentrating viruses. <i>Nature Nanotechnology</i> , 2013, 8, 130-136.	31.5	125
16	Protein-like copolymers: computer simulation. <i>Physica A: Statistical Mechanics and Its Applications</i> , 1998, 249, 253-261.	2.6	122
17	Conformational Changes of Poly(vinylcaprolactam) Macromolecules and Their Complexes with Ionic Surfactants in Aqueous Solution. <i>Macromolecules</i> , 1998, 31, 6112-6118.	4.8	120
18	Polyelectrolyte/Ionomer behavior in polymer gel collapse. <i>Macromolecular Theory and Simulations</i> , 1994, 3, 45-59.	1.4	113

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19	Volume Phase Transition of Polyelectrolyte Gels with Different Charge Distributions. <i>Macromolecules</i> , 1998, 31, 6878-6884.	4.8	111
20	Hysteresis of the viscoelastic properties and the normal force in magnetically and mechanically soft magnetoactive elastomers: Effects of filler composition, strain amplitude and magnetic field. <i>Polymer</i> , 2015, 76, 191-202.	3.8	108
21	Eugenol oil nanoemulsion: antifungal activity against <i>Fusarium oxysporum</i> f. sp. <i>vasinfectum</i> and phytotoxicity on cottonseeds. <i>Applied Nanoscience (Switzerland)</i> , 2015, 5, 255-265.	3.1	106
22	Evidence for Polyelectrolyte/Ionomer Behavior in the Collapse of Polycationic Gels. <i>Macromolecules</i> , 1995, 28, 3930-3936.	4.8	105
23	Collapse of polyelectrolyte networks induced by their interaction with an oppositely charged surfactant. Theory. <i>Die Makromolekulare Chemie Theory and Simulations</i> , 1992, 1, 105-118.	1.0	89
24	Swelling and impregnation of polystyrene using supercritical carbon dioxide. <i>Journal of Supercritical Fluids</i> , 2003, 26, 263-273.	3.2	88
25	Collapse of Polyelectrolyte <i>Macromolecules Revisited</i> . <i>Macromolecules</i> , 1997, 30, 3383-3388.	4.8	85
26	Interaction of Polystyrene-block-poly(ethylene oxide) Micelles with Cationic Surfactant in Aqueous Solutions. <i>Metal Colloid Formation in Hybrid Systems</i> . <i>Langmuir</i> , 2000, 16, 3626-3632.	3.5	82
27	Thermodynamics of Micellization of Bovine β^2 -Casein Studied by High-Sensitivity Differential Scanning Calorimetry. <i>Langmuir</i> , 2003, 19, 2913-2921.	3.5	82
28	Nanoscale Supramolecular Structures in the Gels of Poly(Diallyldimethylammonium Chloride) Interacting with Sodium Dodecyl Sulfate. <i>Journal of the American Chemical Society</i> , 1996, 118, 6615-6618.	13.7	81
29	Synthesis and Studies of N-Vinylcaprolactam/N-Vinylimidazole Copolymers that Exhibit the "Proteinlike" Behavior in Aqueous Media. <i>Macromolecules</i> , 2003, 36, 7308-7323.	4.8	81
30	Thermoshrinking behavior of poly(vinylcaprolactam) gels in aqueous solution. <i>Macromolecular Chemistry and Physics</i> , 1996, 197, 1973-1982.	2.2	80
31	Structural Organization of Water-Containing Nafion: The Integral Equation Theory. <i>Macromolecular Theory and Simulations</i> , 2002, 11, 566.	1.4	80
32	Diblock Copolymers with a Charged Block in a Selective Solvent: A Micellar Structure. <i>Macromolecules</i> , 1996, 29, 3167-3174.	4.8	79
33	Title is missing!. <i>Die Makromolekulare Chemie Rapid Communications</i> , 1982, 3, 709-713.	1.1	78
34	Self-Assembled Networks Highly Responsive to Hydrocarbons. <i>Langmuir</i> , 2007, 23, 105-111.	3.5	78
35	Primary sequences of proteinlike copolymers: "Levy-flight" type long-range correlations. <i>Physical Review E</i> , 2001, 64, 040903.	2.1	77
36	Impact of Hydrophobic Sequence Patterning on the Coil-to-Globule Transition of Protein-like Polymers. <i>Macromolecules</i> , 2012, 45, 5229-5236.	4.8	77

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37	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> , 2012, 87, 687-694.	10.2	76
38	Nanoscale Supramolecular Ordering in Gel-Surfactant Complexes: Sodium Alkyl Sulfates in Poly(diallyldimethylammonium Chloride). <i>Langmuir</i> , 1996, 12, 6229-6234.	3.5	73
39	HA (Hydrophobic/Amphiphilic) Copolymer Model: Coil-Globule Transition versus Aggregation. <i>Macromolecules</i> , 2004, 37, 5444-5460.	4.8	73
40	Reversible Collapse of Brushlike Macromolecules in Ethanol and Water Vapours as Revealed by Real-Time Scanning Force Microscopy. <i>Chemistry - A European Journal</i> , 2004, 10, 4599-4605.	3.3	72
41	Behavior of Poly(N-vinylcaprolactam-co-methacrylic acid) Macromolecules in Aqueous Solution: Interplay between Coulombic and Hydrophobic Interaction. <i>Macromolecules</i> , 2002, 35, 1870-1876.	4.8	71
42	Influence of excluded volume effect on the rates of chemically controlled polymer-polymer reactions. <i>Die Makromolekulare Chemie Rapid Communications</i> , 1981, 2, 633-636.	1.1	69
43	Study of the Mechanisms of Filler Reinforcement in Elastomer Nanocomposites. <i>Macromolecules</i> , 2014, 47, 5400-5408.	4.8	67
44	Selective dehydrohalogenation of poly(ethylene oxide)-block-poly-2-vinylpyridine micelles filled with Pd nanoparticles. <i>Journal of Molecular Catalysis A</i> , 2004, 208, 273-284.	4.8	66
45	Effect of Complexation of Monomer Units on pH- and Temperature-Sensitive Properties of Poly(N-vinylcaprolactam-co-methacrylic acid). <i>Macromolecules</i> , 2003, 36, 8130-8138.	4.8	65
46	Spontaneous Curvature of Comblike Polymers at a Flat Interface. <i>Macromolecules</i> , 2004, 37, 3918-3923.	4.8	65
47	Large-scale atomistic and quantum-mechanical simulations of a Nafion membrane: Morphology, proton solvation and charge transport. <i>Beilstein Journal of Nanotechnology</i> , 2013, 4, 567-587.	2.8	64
48	Pressure sensitive adhesives based on interpolymer complexes. <i>Progress in Polymer Science</i> , 2015, 42, 79-153.	24.7	63
49	Energetics of Cooperative Transitions of N-Vinylcaprolactam Polymers in Aqueous Solutions. <i>Macromolecular Chemistry and Physics</i> , 2005, 206, 915-928.	2.2	62
50	Microdomain Structures in Polyelectrolyte Systems: Calculation of the Phase Diagrams by Direct Minimization of the Free Energy. <i>Macromolecules</i> , 1994, 27, 4220-4230.	4.8	61
51	Poly(methyl methacrylate) and Poly(butyl methacrylate) Swelling in Supercritical Carbon Dioxide. <i>Macromolecules</i> , 2002, 35, 934-940.	4.8	61
52	Interaction of Slightly Cross-Linked Gels of Poly(diallyldimethylammonium chloride) with Surfactants. <i>Macromolecules</i> , 1995, 28, 8447-8449.	4.8	60
53	Properties of ABCopolymers with a special adsorption-tuned primary structure. <i>Physical Review E</i> , 1999, 59, 3071-3078.	2.1	60
54	Structural Organization of Water-Containing Nafion: A Cellular-Automaton-Based Simulation. <i>Macromolecular Theory and Simulations</i> , 2002, 11, 587.	1.4	59

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55	Molecular dynamics study of the solution of semiflexible telechelic polymer chains with strongly associating end-groups. <i>Journal of Chemical Physics</i> , 1999, 110, 6039-6049.	3.0	56
56	Nanostructure Formation in Polyelectrolyte-Surfactant Complexes. <i>Journal of Physical Chemistry B</i> , 1998, 102, 7091-7098.	2.6	55
57	The Hybrids of Polystyrene-block-Poly(ethylene Oxide) Micelles and Sodium Dodecyl Sulfate in Aqueous Solutions: Interaction with Rh Ions and Rh Nanoparticle Formation. <i>Journal of Colloid and Interface Science</i> , 2000, 230, 140-149.	9.4	55
58	Order-Disorder Transition in Surface-Induced Nanopattern of Diblock Copolymer Films. <i>Macromolecules</i> , 2000, 33, 150-157.	4.8	53
59	Microphase separation in poor-solvent polyelectrolyte solutions: Phase diagram. <i>Macromolecular Theory and Simulations</i> , 1994, 3, 661-675.	1.4	52
60	Polyacrylamide Hydrogels with Trapped Polyelectrolyte Rods. <i>Macromolecules</i> , 1998, 31, 1168-1179.	4.8	52
61	Mesoscopic Morphology of Proton-Conducting Polyelectrolyte Membranes of Nafion® Type: A Self-Consistent Mean Field Simulation. <i>Macromolecular Theory and Simulations</i> , 2006, 15, 137-146.	1.4	52
62	Micelle Formation in the Dilute Solution Mixtures of Block-Copolymers. <i>Macromolecules</i> , 1998, 31, 7636-7640.	4.8	50
63	Performance of high temperature fuel cells with different types of PBI membranes as analysed by impedance spectroscopy. <i>International Journal of Hydrogen Energy</i> , 2012, 37, 2596-2602.	7.1	50
64	Adsorption of multiblock copolymers onto a chemically heterogeneous surface: A model of pattern recognition. <i>Journal of Chemical Physics</i> , 2005, 122, 114703.	3.0	49
65	Mathematical modeling of interfacial polycondensation. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 2006, 44, 2698-2724.	2.1	49
66	Thermosensitive Imidazole-Containing Polymers as Catalysts in Hydrolytic Decomposition of p-Nitrophenyl Acetate. <i>Macromolecules</i> , 2004, 37, 7879-7883.	4.8	48
67	Collagen tissue treated with chitosan solutions in carbonic acid for improved biological prosthetic heart valves. <i>Materials Science and Engineering C</i> , 2014, 37, 127-140.	7.3	46
68	Aggregation and counterion condensation in solution of charged proteinlike copolymers: A molecular-dynamics study. <i>Journal of Chemical Physics</i> , 2003, 119, 1232-1247.	3.0	45
69	Real-Time Scanning Force Microscopy of Macromolecular Conformational Transitions. <i>Macromolecular Rapid Communications</i> , 2004, 25, 1703-1707.	3.9	45
70	Metalated Diblock and Triblock Poly(ethylene oxide)-block-poly(4-vinylpyridine) Copolymers: Understanding of Micelle and Bulk Structure. <i>Journal of Physical Chemistry B</i> , 2005, 109, 18786-18798.	2.6	45
71	A three-state model for counterions in a dilute solution of weakly charged polyelectrolytes. <i>Macromolecular Theory and Simulations</i> , 2000, 9, 249-256.	1.4	43
72	Microphase separation in diblock copolymers with amphiphilic block: Local chemical structure can dictate global morphology. <i>Chemical Physics Letters</i> , 2008, 461, 58-63.	2.6	43

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73	Two-dimensional classification of amphiphilic monomers based on interfacial and partitioning properties. 1. Monomers of synthetic water-soluble polymers. <i>Colloid and Polymer Science</i> , 2005, 284, 117-123.	2.1	42
74	Conformational properties and dynamics of molecular bottle-brushes: A cellular-automaton-based simulation. <i>Macromolecular Theory and Simulations</i> , 2000, 9, 141-155.	1.4	41
75	Self-Assembling Nanofibers from Thiophene- α -Peptide Diblock Oligomers: A Combined Experimental and Computer Simulations Study. <i>ACS Nano</i> , 2011, 5, 6894-6909.	14.6	41
76	Comicellization of Polystyrene-block-Poly(ethylene oxide) with Cationic and Anionic Surfactants in Aqueous Solutions: Indications and Limits. <i>Journal of Physical Chemistry B</i> , 2001, 105, 9077-9082.	2.6	40
77	Intelligent Gels and Cryogels with Entrapped Emulsions. <i>Langmuir</i> , 2008, 24, 4467-4469.	3.5	40
78	Effect of Comonomer Sequence Distribution on the Adsorption of Random Copolymers onto Impenetrable Flat Surfaces. <i>Macromolecules</i> , 2009, 42, 2843-2853.	4.8	40
79	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> , 1999, 103, 7621-7626.	2.6	39
80	Volume interactions in the statistical physics of a polymer macromolecule. <i>Uspekhi Fizicheskikh Nauk</i> , 1979, 22, 123-142.	0.3	38
81	Thermo-Switchable Pressure-Sensitive Adhesives Based on Poly(<i>N</i> -vinyl caprolactam) Non-Covalently Cross-Linked by Poly(ethylene glycol). <i>Macromolecules</i> , 2014, 47, 5759-5767.	4.8	38
82	Aggregation processes in self-associating polymer systems: Computer simulation study of micelles in the superstrong segregation regime. <i>Macromolecular Theory and Simulations</i> , 1996, 5, 713-747.	1.4	37
83	Self-organization in ion-containing polymer systems. <i>Physics-Uspekhi</i> , 1997, 40, 109-124.	2.2	37
84	Effect of the Mobility of Charged Units on the Microphase Separation in Amphiphilic Polyelectrolyte Hydrogels. <i>Langmuir</i> , 2005, 21, 1216-1222.	3.5	37
85	High-Quality Ultrathin Polymer Films Obtained by Deposition from Supercritical Carbon Dioxide As Imaged by Atomic Force Microscopy. <i>Langmuir</i> , 2002, 18, 6928-6934.	3.5	36
86	Computer modeling of synthesis of proteinlike copolymer via copolymerization with simultaneous globule formation. <i>Journal of Chemical Physics</i> , 2003, 118, 8049-8060.	3.0	36
87	Micelles of Diblock Copolymers with Charged and Neutral Blocks: Scaling and Mean-Field Lattice Approaches. <i>Macromolecules</i> , 2000, 33, 3892-3901.	4.8	35
88	Associating polyelectrolyte solutions: Normal and anomalous reversible gelation. <i>Journal of Chemical Physics</i> , 2001, 115, 4862-4872.	3.0	35
89	Biomimetic sequence design in functional copolymers. <i>Current Opinion in Solid State and Materials Science</i> , 2004, 8, 3-10.	11.5	35
90	Microphase separation of diblock copolymers with amphiphilic segment. <i>Soft Matter</i> , 2009, 5, 2896.	2.7	35

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91	Charge-Induced Microphase Separation in Polyelectrolyte Hydrogels with Associating Hydrophobic Side Chains: A Small-Angle Neutron Scattering Study. <i>Langmuir</i> , 2003, 19, 7240-7248.	3.5	34
92	Computer modeling of radical copolymerization under unusual conditions. <i>Journal of Polymer Science Part A</i> , 2004, 42, 5339-5353.	2.3	34
93	New Type of Swelling Behavior upon Gel Ionization: Theory vs Experiment. <i>Macromolecules</i> , 2013, 46, 9359-9367.	4.8	34
94	Electrode/Electrolyte Interface in the Li ⁺ O ₂ Battery: Insight from Molecular Dynamics Study. <i>Journal of Physical Chemistry C</i> , 2017, 121, 14463-14469.	3.1	34
95	A new class of systems exhibiting microphase separation: polymer blends with a nonlocal entropy of mixing. <i>Macromolecules</i> , 1993, 26, 7195-7202.	4.8	33
96	Multiplets in Polymer Gels. Rare Earth Metal Ions Luminescence Study. <i>Macromolecules</i> , 1998, 31, 1162-1167.	4.8	33
97	Change of Elastic Modulus of Strongly Charged Hydrogels at the Collapse Transition. <i>Macromolecules</i> , 1999, 32, 1508-1513.	4.8	33
98	Swelling and Collapse of Physical Gels Formed by Associating Telechelic Polyelectrolytes. <i>Langmuir</i> , 1999, 15, 7918-7924.	3.5	33
99	Solution properties of charged hydrophobic/hydrophilic copolymers. <i>Current Opinion in Colloid and Interface Science</i> , 2005, 10, 22-29.	7.4	33
100	Why Ionic Liquids Can Possess Extra Solvent Power. <i>Journal of Physical Chemistry B</i> , 2006, 110, 16205-16207.	2.6	33
101	Two mechanisms of gel/surfactant binding. <i>Polymer Gels and Networks</i> , 1998, 6, 409-421.	0.6	32
102	Unusual Conformational Behavior of Complexes of Poly(N-isopropylacrylamide) with Poly(methacrylic acid). <i>Macromolecules</i> , 2005, 38, 1292-1299.	4.8	32
103	Directed Assembly of Block Copolymers by Sparsely Patterned Substrates. <i>Journal of Physical Chemistry C</i> , 2011, 115, 25185-25200.	3.1	32
104	Thermodynamics of Conformational Ordering of Î ¹ -Carrageenan in KCl Solutions Using High-Sensitivity Differential Scanning Calorimetry. <i>Biomacromolecules</i> , 2001, 2, 864-873.	5.4	31
105	Formation of Salt Bonds in Polyampholyte Chains. <i>Macromolecular Theory and Simulations</i> , 2001, 10, 780-788.	1.4	31
106	Solvent Accessible Surface Area of Amino Acid Residues in Globular Proteins: Correlation of Apparent Transfer Free Energies with Experimental Hydrophobicity Scales. <i>Biomacromolecules</i> , 2009, 10, 1224-1237.	5.4	31
107	Novel composite Zr/PBI-O-PhT membranes for HT-PEFC applications. <i>Beilstein Journal of Nanotechnology</i> , 2013, 4, 481-492.	2.8	31
108	Viscoelastic Properties of Magnetorheological Elastomers for Damping Applications. <i>Macromolecular Materials and Engineering</i> , 2014, 299, 1116-1125.	3.6	31

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109	Semiflexible amphiphilic polymers: Cylindrical-shaped, collagenlike, and toroidal structures. <i>Journal of Chemical Physics</i> , 2006, 124, 144914.	3.0	30
110	Two-dimensional classification of amphiphilic monomers based on interfacial and partitioning properties. 2. Amino acids and amino acid residues. <i>Colloid and Polymer Science</i> , 2006, 284, 575-585.	2.1	30
111	Ternary Interpolyelectrolyte Complexes Insulin-Poly(methylaminophosphazene)-Dextran Sulfate for Oral Delivery of Insulin. <i>Langmuir</i> , 2013, 29, 2273-2281.	3.5	30
112	Small-Angle X-ray Scattering Study of Platinum-Containing Hydrogel/Surfactant Complexes. <i>Journal of Physical Chemistry B</i> , 2000, 104, 5242-5250.	2.6	29
113	Effect of nanotube size on the mechanical properties of elastomeric composites. <i>Soft Matter</i> , 2013, 9, 4067.	2.7	29
114	Molecular Interactions between Lecithin and Bile Salts/Acids in Oils and Their Effects on Reverse Micellization. <i>Langmuir</i> , 2013, 29, 3879-3888.	3.5	29
115	Durable crosslinked omniphobic coatings on textiles via supercritical carbon dioxide deposition. <i>Journal of Supercritical Fluids</i> , 2018, 133, 30-37.	3.2	29
116	Aggregation processes in self-associating polymer systems: A comparative analysis of theoretical and computer simulation data for micelles in the superstrong segregation regime. <i>Macromolecular Theory and Simulations</i> , 1996, 5, 749-757.	1.4	28
117	Computer simulation of solutions of telechelic polymers with associating end-groups. <i>Macromolecular Theory and Simulations</i> , 1996, 5, 877-899.	1.4	28
118	Formation of magnetite nanoparticles in poly(acrylamide) gels. <i>Journal of Physics Condensed Matter</i> , 2005, 17, 1471-1480.	1.8	28
119	Title is missing!. <i>Die Makromolekulare Chemie</i> , 1985, 186, 1951-1960.	1.1	27
120	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> , 2005, 206, 173-179.	2.2	27
121	Real-Time Imaging of the Coil-Globule Transition of Single Adsorbed Poly(2-vinylpyridine) Molecules. <i>Macromolecular Rapid Communications</i> , 2005, 26, 456-460.	3.9	27
122	SAXS Study of β -Carrageenan \sim Surfactant Complexes. <i>Langmuir</i> , 2000, 16, 5284-5288.	3.5	26
123	Microphase Separation in Weakly Charged Annealed Gels and Associating Polyelectrolyte Solutions. <i>Macromolecules</i> , 2000, 33, 5644-5654.	4.8	26
124	Redox-Initiated Radical Polymerisation of Acrylamide in Moderately Frozen Water Solutions. <i>Macromolecular Rapid Communications</i> , 2001, 22, 1441-1446.	3.9	26
125	A scanning force microscopy study on the motion of single brush-like macromolecules on a silicon substrate induced by coadsorption of small molecules. <i>Physical Chemistry Chemical Physics</i> , 2007, 9, 346-352.	2.8	26
126	Self-Assembled Polythiophene-Based Nanostructures: Numerical Studies. <i>Macromolecular Theory and Simulations</i> , 2009, 18, 219-246.	1.4	26

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127	Conformation of a polymer chain near the solvent critical region. I. The integral equation theory. <i>Journal of Chemical Physics</i> , 1998, 109, 5108-5118.	3.0	25
128	Nematic ordering of rigid rods in a gravitational field. <i>Physical Review E</i> , 1999, 60, 2973-2977.	2.1	25
129	Microphase separation in solutions of associating polyelectrolytes: Strong segregation approximation. <i>Journal of Chemical Physics</i> , 2003, 119, 12023-12028.	3.0	25
130	Self-Assembled Monolayers of $\hat{1}^2$ -Alkylated Oligothiophenes on Graphite Substrate: Molecular Dynamics Simulation. <i>Journal of Physical Chemistry C</i> , 2007, 111, 7165-7174.	3.1	25
131	Structure of Charged Poly(propylene imine) Dendrimers: Theoretical Investigation. <i>Macromolecular Theory and Simulations</i> , 2003, 12, 705-713.	1.4	24
132	Molecular dynamics simulation of the synthesis of protein-like copolymers via conformation-dependent design. <i>New Journal of Physics</i> , 2004, 6, 44-44.	2.9	24
133	Synthesis and characterization of temperature-responsive copolymers based on $\hat{1}^2$ -vinylcaprolactam and their grafting on fibres. <i>Polymer International</i> , 2009, 58, 1326-1334.	3.1	24
134	Chitosan nanostructures deposited from solutions in carbonic acid on a model substrate as resolved by AFM. <i>Colloid and Polymer Science</i> , 2012, 290, 1471-1480.	2.1	24
135	Investigation of translational motion of poly(ethylene glycol) macromolecules in poly(methacrylic) Tj ETQq1 1 0.784314 rgBT /Overlo	2.2	23
136	Liquid-crystalline ordering in solutions of polyelectrolytes. <i>Macromolecular Theory and Simulations</i> , 1997, 6, 965-1006.	1.4	22
137	Effects of cathode and electrolyte properties on lithium-air battery performance: Computational study. <i>Journal of Power Sources</i> , 2015, 279, 707-712.	7.8	22
138	Statistics of stiff polymer chains near an adsorbing surface. <i>Die Makromolekulare Chemie Theory and Simulations</i> , 1993, 2, 151-168.	1.0	21
139	Solution properties of charged quasi-random copolymers: Integral equation theory. <i>Journal of Chemical Physics</i> , 2003, 119, 6959-6972.	3.0	21
140	Nematic ordering in dilute solutions of rodlike polyelectrolytes. <i>Journal of Chemical Physics</i> , 2004, 120, 10848-10851.	3.0	21
141	Adsorption of Polyelectrolyte Molecules to a Nanostructured Monolayer of Amphiphiles. <i>Nano Letters</i> , 2006, 6, 1018-1022.	9.1	21
142	Vapor-induced spreading dynamics of adsorbed linear and brush-like macromolecules as observed by environmental SFM: Polymer chain statistics and scaling exponents. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 2007, 45, 2368-2379.	2.1	21
143	Novel pH-responsive hydrogels with gradient charge distribution. <i>Soft Matter</i> , 2010, 6, 1632.	2.7	21
144	Prussian Blue-modified ultramicroelectrodes for mapping hydrogen peroxide in scanning electrochemical microscopy (SECM). <i>Electrochemistry Communications</i> , 2012, 23, 102-105.	4.7	21

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145	Influence of cross-linking rate on the structure of hypercrosslinked networks: Multiscale computer simulation. <i>Polymer</i> , 2016, 86, 168-175.	3.8	21
146	Lattice Mean-Field Modeling of Charged Polymeric Micelles. <i>Macromolecules</i> , 2000, 33, 8488-8496.	4.8	20
147	Salt-Controlled Intrachain/Interchain Segregation in DNA Complexed with Polycation of Natural Origin. <i>Macromolecules</i> , 2005, 38, 9359-9365.	4.8	20
148	Conformational transitions in poly(methacrylic acid) gel/poly(ethylene glycol) complexes. Effect of the gel cross-linking density. <i>Macromolecular Chemistry and Physics</i> , 1996, 197, 2373-2378.	2.2	19
149	Single polyelectrolyte macromolecule in the salt solution: Effect of escaped counter ions. <i>Macromolecular Theory and Simulations</i> , 2000, 9, 600-607.	1.4	19
150	Effect of Chemical Nature of 1,1-Salt on Structure of Polyelectrolyte Gel~Surfactant Complexes. <i>Journal of Physical Chemistry B</i> , 2001, 105, 5612-5617.	2.6	19
151	Silk-inspired ~molecular chimeras~™: Atomistic simulation of nanoarchitectures based on thiophene~peptide copolymers. <i>Chemical Physics Letters</i> , 2008, 461, 64-70.	2.6	19
152	Novel polyolefin/silicon dioxide/H3PO4 composite membranes with spatially heterogeneous structure for phosphoric acid fuel cell. <i>International Journal of Hydrogen Energy</i> , 2013, 38, 4132-4143.	7.1	19
153	Thienopyrazine or dithiadiazatrindene containing low band gap conjugated polymers for polymer solar cells. <i>Chinese Journal of Polymer Science (English Edition)</i> , 2014, 32, 844-853.	3.8	19
154	Effects of Alkali Cations and Halide Anions on the Self-Assembly of Phosphatidylcholine in Oils. <i>Langmuir</i> , 2016, 32, 12166-12174.	3.5	19
155	Modification of Nafion with silica nanoparticles in supercritical carbon dioxide for electrochemical applications. <i>Journal of Membrane Science</i> , 2018, 564, 106-114.	8.2	19
156	Self-assembly of (perfluoroalkyl)alkanes on a substrate surface from solutions in supercritical carbon dioxide. <i>Physical Chemistry Chemical Physics</i> , 2006, 8, 2642-2649.	2.8	18
157	Order~Disorder Conformational Transitions of <i>N</i> -Isopropylacrylamide~Sodium Styrene Sulfonate Copolymers in Aqueous Solutions. <i>Macromolecules</i> , 2008, 41, 5981-5984.	4.8	18
158	Vesicle~Like Globules of Amphiphilic Macromolecules. <i>Macromolecular Theory and Simulations</i> , 2015, 24, 393-398.	1.4	18
159	New D-A1~D-A2-Type Regular Terpolymers Containing Benzothiadiazole and Benzotrithiophene Acceptor Units for Photovoltaic Application. <i>ACS Applied Materials & Interfaces</i> , 2016, 8, 32998-33009.	8.0	18
160	Self-Assembly of Lecithin and Bile Salt in the Presence of Inorganic Salt in Water: Mesoscale Computer Simulation. <i>Journal of Physical Chemistry B</i> , 2017, 121, 7878-7888.	2.6	18
161	Computer simulation studies of aggregates of associating polymers: Influence of low-molecular-weight additives solubilizing the aggregates. <i>Macromolecular Theory and Simulations</i> , 1998, 7, 299-316.	1.4	17
162	Microphase Separation in a Mixture of Block Copolymers in the Strong Segregation Regime. <i>Macromolecules</i> , 1998, 31, 1180-1187.	4.8	17

#	ARTICLE	IF	CITATIONS
163	Conformation of a polymer chain near the solvent critical region. II. Monte Carlo simulation. Journal of Chemical Physics, 1998, 109, 5119-5125.	3.0	17
164	Computer simulation of globules with microstructure. Macromolecular Symposia, 1999, 146, 259-265.	0.7	17
165	Phase behavior of comblike copolymers: The integral equation theory. Journal of Chemical Physics, 2000, 112, 4849-4861.	3.0	17
166	New Approach to the Synthesis of Polyacrylamide in Miniemulsified Systems. Macromolecular Rapid Communications, 2006, 27, 1900-1905.	3.9	17
167	Recognition of complex patterned substrates by heteropolymer chains consisting of multiple monomer types. Journal of Chemical Physics, 2006, 124, 174904.	3.0	17
168	Salt Effects on Complexes of Oppositely Charged Macromolecules Having Different Affinity to Water. Macromolecules, 2009, 42, 7495-7503.	4.8	17
169	Title is missing!. Die Makromolekulare Chemie Rapid Communications, 1982, 3, 917-921.	1.1	16
170	Highly Anisotropic Rigidity of "Ribbon-like" Polymers: I. Chain Conformation in Dilute Solutions. Journal De Physique II, 1996, 6, 1411-1428.	0.9	16
171	Control of reactions between surfactant reagents in miniemulsions. Surface nanoreactors. Colloid and Polymer Science, 2006, 284, 459-467.	2.1	16
172	Energetics and Mechanisms of poly(N-isopropylacrylamide) Phase Transitions in Water-Methanol Solutions. Macromolecules, 2020, 53, 10765-10772.	4.8	16
173	Polymer-quantum dot composite hybrid solar cells with a bi-continuous network morphology using the block copolymer poly(3-hexylthiophene)- <i>b</i> -polystyrene or its blend with poly(3-hexylthiophene) as a donor. Materials Advances, 2021, 2, 1016-1023.	5.4	16
174	Hybrid MC/RISM technique for simulation of polymer solutions: Monte Carlo + RISM integral equations. Molecular Physics, 1998, 93, 555-572.	1.7	16
175	Reconstruction of Protein-Like Globular Structure for Random and Designed Copolymers. Macromolecular Theory and Simulations, 2002, 11, 213-221.	1.4	15
176	Pattern multiplication by template-guided self-assembly of cylinder-forming copolymers: Field-theoretic and particle-based simulations. Chemical Physics Letters, 2010, 492, 103-108.	2.6	15
177	Nematic Ordering of Polymers in Confined Geometry Applied to DNA Packaging in Viral Capsids. Journal of Physical Chemistry B, 2011, 115, 422-432.	2.6	15
178	Functionalized thermoresponsive microgels based on N-isopropylacrylamide: Energetics and mechanism of phase transitions. European Polymer Journal, 2020, 133, 109722.	5.4	15
179	Swelling and Collapse of Swiss-Cheese Polyelectrolyte Gels in Salt Solutions. Macromolecular Theory and Simulations, 2002, 11, 623.	1.4	14
180	Synthesis of polyimides in supercritical carbon dioxide. Journal of Supercritical Fluids, 2003, 26, 147-156.	3.2	14

#	ARTICLE	IF	CITATIONS
181	Molecular Dispenser: A Conformation-Dependent Design Approach. <i>Macromolecules</i> , 2003, 36, 5047-5050.	4.8	14
182	Synthesis and SFM Study of Comb-Like Poly(4-vinylpyridinium) Salts and Their Complexes with Surfactants. <i>Macromolecular Rapid Communications</i> , 2006, 27, 1048-1053.	3.9	14
183	Magneto-responsive smart nanocomposites with highly cross-linked polymer matrix. <i>Polymers for Advanced Technologies</i> , 2021, 32, 3922-3933.	3.2	14
184	Cationic Surfactants as Disinfectants against SARS-CoV-2. <i>International Journal of Molecular Sciences</i> , 2022, 23, 6645.	4.1	14
185	Supramolecular structures and conformational transitions in polyelectrolyte gels. <i>Macromolecular Symposia</i> , 1994, 87, 69-91.	0.7	13
186	The critical micelle concentration for the solution of polyelectrolyte/neutral block copolymers. <i>Zeitschrift Fur Elektrotechnik Und Elektrochemie</i> , 1996, 100, 857-862.	0.9	13
187	A new hydrogel system undergoing a volume phase transition upon heating. <i>Macromolecular Chemistry and Physics</i> , 1999, 200, 1603-1607.	2.2	13
188	Copolymers with designed proteinlike sequences obtained by polymeranalogous transformations of homopolymer globules. <i>Journal of Chemical Physics</i> , 2003, 118, 4672-4683.	3.0	13
189	Conformational Behaviour of Comb-Like Poly(4-vinylpyridinium) Salts and their Complexes with Surfactants in Solution and on a Flat Surface. <i>Macromolecular Chemistry and Physics</i> , 2007, 208, 164-174.	2.2	13
190	Supercritical carbon dioxide in organometallic synthesis: Combination of sc-CO ₂ with Nafion film as a novel reagent in the synthesis of ethers from hydroxymethylmetallocenes. <i>Journal of Organometallic Chemistry</i> , 2010, 695, 799-803.	1.8	13
191	Intelligent gels and cryogels with embedded emulsions of various oils. <i>Journal of Applied Polymer Science</i> , 2013, 127, 2703-2709.	2.6	13
192	Nonconventional scenarios of polymer self-assembly. <i>Soft Matter</i> , 2013, 9, 10943.	2.7	13
193	Energetics of LCST transition of poly(ethylene oxide) in aqueous solutions. <i>Polymer</i> , 2015, 73, 86-90.	3.8	13
194	Single Conjugated Polymer with Four Stepwise HOMO Levels for Effective Hole Injection Across Large Barrier 1.4 eV to Core-Shell Quantum Dot Layer for Electroluminescence in Inverted QLED. <i>Advanced Optical Materials</i> , 2022, 10, .	7.3	13
195	Intramolecular phase separation of a copolymer chain with mobile primary structure. <i>Die Makromolekulare Chemie Theory and Simulations</i> , 1992, 1, 375-385.	1.0	12
196	Structure of Binary and Ternary Complexes Formed by Sodium Poly(2-acrylamide-2-methyl-1-propanesulfonate) Gel in the Presence of Copper(II) Nitrate and Cetylpyridinium Chloride. <i>Langmuir</i> , 2003, 19, 7845-7851.	3.5	12
197	Reinforced superabsorbent polyacrylamide hydrogels. <i>Macromolecular Symposia</i> , 2003, 200, 45-54.	0.7	12
198	Template copolymerization near a patterned surface: Computer simulation. <i>Journal of Chemical Physics</i> , 2004, 121, 6011-6020.	3.0	12

#	ARTICLE	IF	CITATIONS
199	Modeling of Radical Copolymerization near a Selectively Adsorbing Surface: Design of Gradient Copolymers with Long-Range Correlations. <i>Macromolecules</i> , 2005, 38, 2419-2430.	4.8	12
200	Interface between Ionic and Nonionic Liquids: Theoretical Study. <i>Journal of Physical Chemistry B</i> , 2007, 111, 3462-3468.	2.6	12
201	Microphase Separation in a Mixture of Ionic and Nonionic Liquids. <i>Journal of Physical Chemistry B</i> , 2007, 111, 10189-10193.	2.6	12
202	Block Copolymer Based Molecular Motor. <i>Macromolecular Rapid Communications</i> , 2007, 28, 977-980.	3.9	12
203	Communication: Orientational structure manipulation in nematic liquid crystal droplets induced by light excitation of azodendrimer dopant. <i>Journal of Chemical Physics</i> , 2017, 146, 211104.	3.0	12
204	Photoinduced orientational structures of nematic liquid crystal droplets in contact with polyimide coated surface. <i>Journal of Molecular Liquids</i> , 2018, 267, 222-228.	4.9	12
205	Microphase Separation Transition for Polyelectrolyte Gels in Poor Solvents. <i>Journal De Physique II</i> , 1997, 7, 627-635.	0.9	12
206	Supramolecular structures in polyelectrolyte gels. <i>Faraday Discussions</i> , 1995, 101, 125.	3.2	11
207	Intranetwork phase separation in polyelectrolyte gels. <i>Polymer Gels and Networks</i> , 1998, 6, 45-56.	0.6	11
208	Surface-Induced DNA Superhelicity. <i>Biomacromolecules</i> , 2000, 1, 459-465.	5.4	11
209	Synthesis of Polyelectrolyte Gels with Embedded Voids Having Charged Walls. <i>Macromolecules</i> , 2004, 37, 2004-2006.	4.8	11
210	Core-Shell Nanostructures from Single Poly(N-vinylcaprolactam) Macromolecules: Stabilization and Visualization. <i>Langmuir</i> , 2005, 21, 2652-2655.	3.5	11
211	Diagram of State of Stiff Amphiphilic Macromolecules. <i>Macromolecular Symposia</i> , 2007, 252, 24-35.	0.7	11
212	Chitosan Molecules Deposited from Supercritical Carbon Dioxide on a Substrate: Visualization and Conformational Analysis. <i>Macromolecular Chemistry and Physics</i> , 2008, 209, 2204-2212.	2.2	11
213	Free energy profiles of amino acid side chain analogs near water-vapor interface obtained via MD simulations. <i>Journal of Computational Chemistry</i> , 2010, 31, 204-216.	3.3	11
214	Direct deposition of chitosan macromolecules on a substrate from solutions in supercritical carbon dioxide: Solubility and conformational analysis. <i>European Polymer Journal</i> , 2012, 48, 906-918.	5.4	11
215	Salt-Induced Thermoresponsivity of Cross-Linked Polymethoxyethylaminophosphazene Hydrogels: Energetics of the Volume Phase Transition. <i>Journal of Physical Chemistry B</i> , 2018, 122, 1981-1991.	2.6	11
216	Protein-like energetics of conformational transitions in a polyampholyte hydrogel. <i>Polymer</i> , 2019, 179, 121617.	3.8	11

#	ARTICLE	IF	CITATIONS
217	Collapse of a polymer gel induced by complex formation with linear polymers. <i>Die Makromolekulare Chemie Theory and Simulations</i> , 1993, 2, 169-177.	1.0	10
218	Synthesis and investigation of new water soluble sulfonated rigid-rod polynaphthoyleneimide. <i>Macromolecular Symposia</i> , 1996, 106, 345-351.	0.7	10
219	Ion aggregation in polymer gels. <i>Macromolecular Symposia</i> , 1999, 146, 207-213.	0.7	10
220	Interaction of Sodium Poly(2-acrylamide-2-methyl-1-propanesulfonate) Linear Polymer and Gel with Metal Salts. <i>Journal of Physical Chemistry B</i> , 2003, 107, 12206-12211.	2.6	10
221	Poisson-Boltzmann theory of the charge-induced adsorption of semi-flexible polyelectrolytes. <i>Journal of Chemical Physics</i> , 2004, 120, 5353-5365.	3.0	10
222	Charged designed copolymers in the presence of multivalent counterions: a molecular dynamics study. <i>New Journal of Physics</i> , 2004, 6, 133-133.	2.9	10
223	A novel strategy for controlling the orientation of cylindrical domains in thin blend copolymer films via double phase separation. <i>Chemical Physics Letters</i> , 2010, 487, 297-302.	2.6	10
224	Self-organizing bioinspired oligothiophene-oligopeptide hybrids. <i>Beilstein Journal of Nanotechnology</i> , 2011, 2, 525-544.	2.8	10
225	A Facile Method of Preparation of Polymer-Stabilized Perfluorocarbon Nanoparticles with Enhanced Contrast for Molecular Magnetic Resonance Imaging. <i>BioNanoScience</i> , 2017, 7, 456-463.	3.5	10
226	Chitosan coatings with enhanced biostability <i>in vivo</i> . <i>Journal of Biomedical Materials Research - Part B Applied Biomaterials</i> , 2018, 106, 270-277.	3.4	10
227	Conformation-Dependent Sequence Design of HP Copolymers: An Algorithm Based on Sequential Modifications of Monomer Units. <i>Macromolecular Theory and Simulations</i> , 2002, 11, 751-756.	1.4	9
228	Synthesis and Properties of Polyelectrolyte Gels with Embedded Voids. <i>Macromolecular Chemistry and Physics</i> , 2005, 206, 1752-1756.	2.2	9
229	Simulation of Gradient Copolymers Synthesis via Conformation-Dependent Graft Copolymerization near a Uniform Adsorbing Surface. <i>Macromolecules</i> , 2006, 39, 8808-8815.	4.8	9
230	Molecular Bottle Brushes in a Solution of Semiflexible Polyelectrolytes and Block Copolymers with an Oppositely Charged Block: A Molecular Dynamics Simulation. <i>Journal of Physical Chemistry B</i> , 2007, 111, 8360-8368.	2.6	9
231	Amphiphilic-Ionic Liquid in a Mixture of Nonionic Liquids: Theoretical Study. <i>Journal of Physical Chemistry B</i> , 2010, 114, 15066-15074.	2.6	9
232	Polyplexes of Poly(methylaminophosphazene): Energetics of DNA Melting. <i>Langmuir</i> , 2011, 27, 11582-11590.	3.5	9
233	Conformational Energetics of Interpolyelectrolyte Complexation between $\hat{1}$ -Carrageenan and Poly(methylaminophosphazene) Measured by High-Sensitivity Differential Scanning Calorimetry. <i>Langmuir</i> , 2011, 27, 7714-7721.	3.5	9
234	Synthesis and photovoltaic properties of thieno[3,4- <i>bc</i>]pyrazine or dithieno[3,2- <i>3,4</i> ;2,3- <i>3',5'</i>]benzo[1,2- <i>cd</i>]imidazole-containing conjugated polymers. <i>Journal of Polymer Science Part A</i> , 2015, 53, 1067-1075.	2.3	9

#	ARTICLE	IF	CITATIONS
235	Thermo-switchable pressure-sensitive adhesives with strong tunable adhesion towards substrate surfaces of different hydrophilicity. <i>Polymer</i> , 2017, 125, 10-20.	3.8	9
236	Computer simulation analysis of microstructure formation in monomer and polymer blends involving a glassy component. <i>Macromolecular Theory and Simulations</i> , 1994, 3, 939-961.	1.4	8
237	“Swiss-cheese” polyelectrolyte gels as media with extremely inhomogeneous distribution of charged species. <i>Journal of Chemical Physics</i> , 2004, 120, 9321-9329.	3.0	8
238	Surface induced self-organization of comb-like macromolecules. <i>Beilstein Journal of Nanotechnology</i> , 2011, 2, 569-584.	2.8	8
239	Energetics and Mechanism of Conformational Transitions of Protein-Like NIPAM-Sodium Styrene Sulfonate Copolymers in Aqueous Solutions. <i>Macromolecular Chemistry and Physics</i> , 2015, 216, 2344-2355.	2.2	8
240	Effect of Induced Self-Organization in Mixtures of Amphiphilic Macromolecules with Different Stiffness. <i>Macromolecules</i> , 2015, 48, 3767-3774.	4.8	8
241	Nanostructured liquid crystal systems and applications. <i>Beilstein Journal of Nanotechnology</i> , 2018, 9, 2644-2645.	2.8	8
242	Synthesis and Characterization of Wide-Bandgap Conjugated Polymers Consisting of Same Electron Donor and Different Electron-Deficient Units and Their Application for Nonfullerene Polymer Solar Cells. <i>Macromolecular Chemistry and Physics</i> , 2020, 221, 2000030.	2.2	8
243	Self-organization of amphiphilic polymers. <i>Polimery</i> , 2014, 59, 74-79.	0.7	8
244	Computer simulation of irreversible gelation of polymers with stickers. <i>Macromolecular Theory and Simulations</i> , 1997, 6, 317-338.	1.4	7
245	Self-organization of comblike copolymers with end-functionalized side chains: A cellular-automaton-based simulation. <i>Journal of Chemical Physics</i> , 2000, 112, 11069-11079.	3.0	7
246	Segmentation of Heteropolymer Sequences Specifying Subsequences with Different Composition and Statistical Properties. <i>Macromolecular Theory and Simulations</i> , 2003, 12, 604-613.	1.4	7
247	Morphology of hybrid polystyrene-block-poly(ethylene oxide) micelles: Analytical ultracentrifugation and SANS studies. <i>Journal of Colloid and Interface Science</i> , 2006, 299, 944-952.	9.4	7
248	Visualization of Different Pathways of DNA Release from Interpolyelectrolyte Complex. <i>Journal of Physical Chemistry B</i> , 2007, 111, 8373-8378.	2.6	7
249	Binding Energetics of Lysozyme to Copolymers of <i>N</i> -isopropylacrylamide with Sodium Sulfonated Styrene. <i>Macromolecular Bioscience</i> , 2009, 9, 543-550.	4.1	7
250	Large-scale atomistic simulation of a nanosized fibril formed by thiophene-peptide molecular chimeras. <i>Soft Matter</i> , 2010, 6, 1453.	2.7	7
251	Active layer materials coated with Teflon AF nano-films deposited from solutions in supercritical CO ₂ for fuel cell applications. <i>International Journal of Hydrogen Energy</i> , 2013, 38, 10592-10601.	7.1	7
252	Ultramicrosensors based on transition metal hexacyanoferrates for scanning electrochemical microscopy. <i>Beilstein Journal of Nanotechnology</i> , 2013, 4, 649-654.	2.8	7

#	ARTICLE	IF	CITATIONS
253	New approach to the synthesis of a functional macroporous poly(vinyl alcohol) network and design of boronate affinity sorbent for protein separation. <i>European Polymer Journal</i> , 2016, 75, 1-12.	5.4	7
254	Magnetic-field-assisted synthesis of anisotropic iron oxide particles: Effect of pH. <i>Beilstein Journal of Nanotechnology</i> , 2020, 11, 1230-1241.	2.8	7
255	Monte Carlo simulation of circular double-stranded polymers. <i>Computer Physics Communications</i> , 2002, 146, 122-124.	7.5	6
256	Evolutionary Approach in Copolymer Sequence Design. <i>Macromolecular Symposia</i> , 2007, 252, 36-46.	0.7	6
257	Hydration of terminal alkynes on Nafion film in supercritical carbon dioxide. <i>Journal of Supercritical Fluids</i> , 2013, 76, 61-66.	3.2	6
258	Dithienosilole-phenylquinoxaline-based copolymers with A and B structures for polymer solar cells. <i>Journal of Polymer Science Part A</i> , 2018, 56, 376-386.	2.3	6
259	Salt-Induced Thermoresponsivity of a Cationic Phosphazene Polymer in Aqueous Solutions. <i>Macromolecules</i> , 2018, 51, 7964-7973.	4.8	6
260	Optical orientation of nematic liquid crystal droplets via photoisomerization of an azodendrimer dopant. <i>Beilstein Journal of Nanotechnology</i> , 2018, 9, 870-879.	2.8	6
261	Synthesis and Photovoltaic Properties of New Conjugated Polymers Based on the Same Fluoro-Benzothiadiazole Acceptor Unit and Different Donor Units. <i>ChemistrySelect</i> , 2020, 5, 853-863.	1.5	6
262	New Dithiazole Side Chain Benzodithiophene Containing Copolymers for Highly Efficient Nonfullerene Solar Cells. <i>Macromolecular Chemistry and Physics</i> , 2021, 222, 2100053.	2.2	6
263	Conformational properties and dynamics of molecular bottle-brushes: A cellular-automaton-based simulation. <i>Macromolecular Theory and Simulations</i> , 2000, 9, 141-155.	1.4	6
264	New wide band gap π -conjugated copolymers based on anthra[1,2-b:4,3-b':6,7-c''] trithiophene-8,12-dione for high performance non-fullerene polymer solar cells with an efficiency of 15.07%. <i>Polymer</i> , 2022, 251, 124892.	3.8	6
265	Three-dimensional polycondensation of monomers with ionomer-type interactions. <i>Polymer</i> , 1994, 35, 1769-1773.	3.8	5
266	Influence of polymolecularity on the second virial coefficient of polymers. <i>Macromolecular Theory and Simulations</i> , 1996, 5, 157-163.	1.4	5
267	Phase behavior of polymer containing colloidal dispersions: The integral equation theory. <i>Journal of Chemical Physics</i> , 2000, 113, 7006-7012.	3.0	5
268	Thermodynamics of the Double Helix-Coil Equilibrium in Tetramethylammonium Gellan: High-Sensitivity Differential Scanning Calorimetry Data. <i>Macromolecular Bioscience</i> , 2003, 3, 169-178.	4.1	5
269	The influence of hydrogen bonds on the globular structure of HP-copolymers. <i>Macromolecular Symposia</i> , 2003, 201, 29-46.	0.7	5
270	Computer Simulation Study of Model Nafion Membrane in Water/Methanol Solvent. <i>Composite Interfaces</i> , 2009, 16, 547-577.	2.3	5

#	ARTICLE	IF	CITATIONS
271	Comb-like poly(4-vinylpyridinium) salts with dodecylsulfate, sodium bis(2-ethylhexyl) sulfosuccinate and bromide counter ions. Small-angle X-ray scattering and dynamic light scattering study. <i>Polymer</i> , 2010, 51, 122-128.	3.8	5
272	Morphological investigation of polydisperse asymmetric block copolymer systems of poly(styrene) and poly(methacrylic acid) in the strong segregation regime. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 2013, 51, 1657-1671.	2.1	5
273	Polymer globule with fractal properties caused by intramolecular nanostructuring and spatial constrains. <i>Soft Matter</i> , 2016, 12, 5138-5145.	2.7	5
274	Domains in mixtures of amphiphilic macromolecules with different stiffness of backbone. <i>Polymer</i> , 2017, 125, 234-240.	3.8	5
275	Mesoscale Simulations on Morphology Design in Conjugated Polymers and Inorganic Nanoparticles Composite for Bulk Heterojunction Solar Cells. <i>Solar Rrl</i> , 2020, 4, 2000352.	5.8	5
276	Antiseptic Polymer-Surfactant Complexes with Long-Lasting Activity against SARS-CoV-2. <i>Polymers</i> , 2022, 14, 2444.	4.5	5
277	Selective separation of polymer mixtures by bubble-flotation chromatography™. <i>Mendeleev Communications</i> , 2003, 13, 217-219.	1.6	4
278	Polymeric Semiconductors with a Pre-Specified Alternation of Conjugated Bonds and Metal Clusters. <i>Macromolecular Rapid Communications</i> , 2004, 25, 628-631.	3.9	4
279	Hydration Characterization of Hydrophobically Modified Polymers by Dielectric Measurements in the Millimeter Range. <i>Macromolecular Bioscience</i> , 2007, 7, 475-481.	4.1	4
280	Motion of single wandering diblock-macromolecules directed by a PTFE nano-fence: real time SFM observations. <i>Physical Chemistry Chemical Physics</i> , 2009, 11, 5591.	2.8	4
281	Raspberry-like Pt clusters with controlled spacing produced by deposition of loaded block copolymer micelles from supercritical CO ₂ . <i>European Polymer Journal</i> , 2015, 71, 73-84.	5.4	4
282	Controlling the morphology of a hybrid polymer/nanoparticle active layer of solar cells: mesoscopic simulation. <i>Molecular Systems Design and Engineering</i> , 2019, 4, 390-395.	3.4	4
283	Phase transitions in polymer and biopolymer systems. <i>Uspekhi Fizicheskikh Nauk</i> , 1986, 29, 797-799.	0.3	3
284	Self-assemblies in ion-containing polymers. <i>Macromolecular Symposia</i> , 1999, 143, 207-220.	0.7	3
285	Dielectric spectroscopy study of poly(methacrylic acid) gels. <i>Macromolecular Symposia</i> , 2001, 170, 91-98.	0.7	3
286	Third-harmonic generation in aggregates of a cyanine dye immobilised in a polymer matrix. <i>Quantum Electronics</i> , 2004, 34, 927-929.	1.0	3
287	Binary Polymer Mixtures in Selective Solvents: Interfacial Structure. <i>Macromolecular Theory and Simulations</i> , 2004, 13, 64-72.	1.4	3
288	Protein Sequences as Literature Text. <i>Macromolecular Theory and Simulations</i> , 2006, 15, 425-431.	1.4	3

#	ARTICLE	IF	CITATIONS
289	Investigation of Physical-Chemical Properties of Agarose Hydrogels with Embedded Emulsions. <i>Journal of Physical Chemistry B</i> , 2009, 113, 14849-14853.	2.6	3
290	Magnetorheological Fluids Based on Associating Polymers. <i>Macromolecular Symposia</i> , 2014, 337, 80-86.	0.7	3
291	Conformation-dependent affinity of protein-like copolymers for small ligands. <i>Poly(NIPAM-co-sodium) Tj ETQq1 1 0.784314 rgBT /Over</i>	3.8	3
292	A new concept for molecular engineering of artificial enzymes: a multiscale simulation. <i>Soft Matter</i> , 2016, 12, 689-704.	2.7	3
293	Generation of ferrocenylvinyl cation $CpFeC_5H_4^+CH_2$ by protonation of ferrocenylacetylene with Nafion and its reactions with SME 2 and PPh 3 in scCO ₂ giving onium salts. <i>Mendeleev Communications</i> , 2017, 27, 368-370.	1.6	3
294	Conformation-Dependent Affinity of Thermoresponsive Biodegradable Hydrogels for Multifunctional Ligands: A Differential Scanning Calorimetry Approach. <i>Langmuir</i> , 2018, 34, 14378-14387.	3.5	3
295	Revealing defects hampering the formation of epoxy networks with extremely high thermal properties: Theory and experiments. <i>Polymer Testing</i> , 2020, 90, 106645.	4.8	3
296	Synthesis and surface properties of amphiphilic fluorine-containing diblock copolymers. <i>Journal of Applied Polymer Science</i> , 2021, 138, 49714.	2.6	3
297	Interaction between small colloidal particles and molecular chains with selectively adsorbing groups: computer simulation study. <i>Macromolecular Theory and Simulations</i> , 1999, 8, 309-320.	1.4	2
298	Hydrogel composites of neutral and slightly charged poly (acrylamide) gels with incorporated bentonite. Interaction with salt, linear polyelectrolytes and ionic surfactants. <i>Macromolecular Symposia</i> , 1999, 146, 193-198.	0.7	2
299	Corrigendum to "Synthesis of polyimides in supercritical carbon dioxide". <i>Journal of Supercritical Fluids</i> , 2003, 27, 119.	3.2	2
300	Synthesis and photovoltaic properties of new D ₁₈ A copolymers based on 5,6-bis(2-ethylhexyl)naphtha[2,1-b:3,4-b']dithiophene-2,9-diyl donor and fluorine substituted 6,7-bis(9,9-didodecyl-9H-fluorene-2-yl)[1,2,5]thiadiazolo[3,4-g]quinoxaline acceptor units. <i>Journal of Polymer Science Part A</i> , 2018, 56, 1297-1307.	2.3	2
301	Binding Energetics of Charged Amphiphilic Ligands to Thermoresponsive Biodegradable Poly(methoxyethylaminophosphazene) Hydrogels. <i>Langmuir</i> , 2019, 35, 16915-16924.	3.5	2
302	Biodegradable thermoresponsive oligochitosan nanoparticles: Mechanisms of phase transition and drug binding-release. <i>International Journal of Biological Macromolecules</i> , 2020, 164, 1451-1460.	7.5	2
303	pH-Dependent Structure of Block Copolymer Micelles Featuring a Polyampholyte Corona: A Combined Experimental and Theoretical Approach. <i>Macromolecules</i> , 2021, 54, 1976-1991.	4.8	2
304	Efficient ternary polymer solar cell using wide bandgap conjugated polymer donor with two non-fullerene small molecule acceptors enabled power conversion efficiency of 16% with low energy loss of 0.47 eV. <i>Nano Select</i> , 2021, 2, 1326-1335.	3.7	2
305	Structural Organization of Water-Containing Nafion: The Integral Equation Theory. , 2002, 11, 566.		2
306	Equilibrium nanostructures in poor solvent polymer solutions near glass transition temperature. <i>Macromolecular Symposia</i> , 1996, 106, 103-117.	0.7	1

#	ARTICLE	IF	CITATIONS
307	Il'ya Mikhailovich Lifshits (on the 80th anniversary of his birth). <i>Physics-Usppekhi</i> , 1997, 40, 225-226.	2.2	1
308	Association of diphilic chains near the solvent critical region. <i>Journal of Chemical Physics</i> , 1999, 111, 2340-2344.	3.0	1
309	Radiation-Grafted Polymerization from a Gas Phase to Form Polymeric Layers on Metal Surfaces. <i>Macromolecular Rapid Communications</i> , 2004, 25, 1113-1116.	3.9	1
310	Computer Design of Copolymers with Desired Functionalities: Microphase Separation in Diblock Copolymers with Amphiphilic Block. <i>AIP Conference Proceedings</i> , 2007, , .	0.4	1
311	Statistical Mechanics of Polymers: New Developments - International Workshop. <i>Macromolecular Chemistry and Physics</i> , 2007, 208, 1598-1599.	2.2	1
312	Linear rheology of compressible soft nanocomposites. <i>Rheologica Acta</i> , 2008, 47, 359-368.	2.4	1
313	AB-Block Copolymer with Moving B Blocks as a Model for Interpolymer Complexes. <i>Macromolecular Theory and Simulations</i> , 2010, 19, 240-248.	1.4	1
314	Salts of poly(4-vinylpyridinium) with bis(2-ethylhexyl) sulfosuccinate: Coils and globules of the single molecules observed by dynamic light scattering, stabilization of the reversed emulsions. <i>Polymer</i> , 2012, 53, 993-997.	3.8	1
315	Preparation of Magnetic Fluids Based on Associated Polymers. <i>Advanced Materials Research</i> , 0, 650, 314-319.	0.3	1
316	Spreading and Dewetting of Single Bottleâ€”Brush Macromolecules on Nanofaceted SrTiO ₃ Substrate as Induced by Different Vapours. <i>Macromolecular Chemistry and Physics</i> , 2013, 214, 761-775.	2.2	1
317	Energy-related nanomaterials. <i>Beilstein Journal of Nanotechnology</i> , 2013, 4, 678-679.	2.8	1
318	Structural Organization of Water-Containing Nafion: A Cellular-Automaton-Based Simulation. , 2002, 11, 587.		1
319	Physics of finely divided matter. <i>Uspekhi Fizicheskikh Nauk</i> , 1987, 30, 196-196.	0.3	0
320	New polymer systems exhibiting microphase separation transition with the formation of nano-microstructures. <i>Macromolecular Symposia</i> , 1995, 98, 1085-1086.	0.7	0
321	Interplay of ionic and nonionic interactions in weakly charged polyelectrolytes. <i>Macromolecular Symposia</i> , 1997, 117, 89-98.	0.7	0
322	In memory of Ivan Alekseevich Yakovlev. <i>Physics-Usppekhi</i> , 2000, 43, 535-536.	2.2	0
323	Effect of Twisting and Anisotropic Rigidity on the Behavior of a Double-Stranded Polymer Chain: A Monte Carlo Simulation. <i>Progress of Theoretical Physics Supplement</i> , 2000, 138, 372-377.	0.1	0
324	Photomechanical effects in Langmuir monolayers from polymers containing azobenzene groups. <i>Mendeleev Communications</i> , 2002, 12, 216-217.	1.6	0

#	ARTICLE	IF	CITATIONS
325	Happy Birthday, Macromolecular Theory and Simulations!. Macromolecular Theory and Simulations, 2011, 20, 597-599.	1.4	0
326	Vladimir Borisovich Braginsky (on his 80th birthday). Physics-Usppekhi, 2012, 55, 109-110.	2.2	0
327	Conformation-dependent sequence design of polymer chains in melts. Journal of Physics A: Mathematical and Theoretical, 2021, 54, 235004.	2.1	0