Alexei R Khokhlov

List of Publications by Year
in descending order

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327 papers	10,535 citations	28190 55 h-index	54797 84 g-index
335 all docs	335 docs citations	335 times ranked	8209 citing authors

#	Article	IF	Citations
1	Single Conjugated Polymer with Four Stepwise HOMO Levels for Effective Hole Injection Across Large Barrier 1.4ÂeV to Coreâ€“Shell Quantum Dot Layer for Electroluminescence in Inverted QLED. Advanced Optical Materials, 2022, 10, .	3.6	13
2	New wide band gap Ï€-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 %. Polymer, 2022, 251, 124892.	1.8	6
3	Antiseptic Polymerâ€“Surfactant Complexes with Long-Lasting Activity against SARS-CoV-2. Polymers, 2022, 14, 2444.	2.0	5
4	Cationic Surfactants as Disinfectants against SARS-CoV-2. International Journal of Molecular Sciences, 2022, 23, 6645.	1.8	14
5	Synthesis and surface properties of amphiphilic fluorineâ€containing diblock copolymers. Journal of Applied Polymer Science, 2021, 138, 49714.	1.3	3
6	pH-Dependent Structure of Block Copolymer Micelles Featuring a Polyampholyte Corona: A Combined Experimental and Theoretical Approach. Macromolecules, 2021, 54, 1976-1991.	2.2	2
7	Polymerâ€“quantum dot composite hybrid solar cells with a bi-continuous network morphology using the block copolymer poly(3-hexylthiophene)-b-polystyrene or its blend with poly(3-hexylthiophene) as a donor. Materials Advances, 2021, 2, 1016-1023.	2.6	16
8	Magnetoresponsive smart nanocomposites with highly crossâ€linked polymer matrix. Polymers for Advanced Technologies, 2021, 32, 3922-3933.	1.6	14
9	Conformation-dependent sequence design of polymer chains in melts. Journal of Physics A: Mathematical and Theoretical, 2021, 54, 235004.	0.7	0
10	New Dithiazole Side Chain Benzodithiophene Containing Dâ€“A Copolymers for Highly Efficient Nonfullerene Solar Cells. Macromolecular Chemistry and Physics, 2021, 222, 2100053.	1.1	6
11	Efficient ternary polymer solar cell using wide bandgap conjugated polymer donor with two nonâ€fullerene small molecule acceptors enabled power conversion efficiency of 16% with low energy loss of 0.47 eV. Nano Select, 2021, 2, 1326-1335.	1.9	2
12	Energetics and Mechanisms of poly(N-isopropylacrylamide) Phase Transitions in Waterâ€“Methanol Solutions. Macromolecules, 2020, 53, 10765-10772.	2.2	16
13	Biodegradable thermoresponsive oligochitosan nanoparticles: Mechanisms of phase transition and drug binding-release. International Journal of Biological Macromolecules, 2020, 164, 1451-1460.	3.6	2
14	Magnetic-field-assisted synthesis of anisotropic iron oxide particles: Effect of pH. Beilstein Journal of Nanotechnology, 2020, 11, 1230-1241.	1.5	7
15	Mesoscale Simulations on Morphology Design in Conjugated Polymers and Inorganic Nanoparticles Composite for Bulk Heterojunction Solar Cells. Solar Rrl, 2020, 4, 2000352.	3.1	5
16	Revealing defects hampering the formation of epoxy networks with extremely high thermal properties: Theory and experiments. Polymer Testing, 2020, 90, 106645.	2.3	3
17	Synthesis and Photovoltaic Properties of New Conjugated Dâ€A Polymers Based on the Same Fluoroâ€Benzothiadiazole Acceptor Unit and Different Donor Units. ChemistrySelect, 2020, 5, 853-863.	0.7	6
18	Synthesis and Characterization of Wideâ€Bandgap Conjugated Polymers Consisting of Same Electron Donor and Different Electronâ€Deficient Units and Their Application for Nonfullerene Polymer Solar Cells. Macromolecular Chemistry and Physics, 2020, 221, 2000030.	1.1	8

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19	Functionalized thermoresponsive microgels based on N-isopropylacrylamide: Energetics and mechanism of phase transitions. European Polymer Journal, 2020, 133, 109722.	2.6	15
20	Protein-like energetics of conformational transitions in a polyampholyte hydrogel. Polymer, 2019, 179, 121617.	1.8	11
21	Controlling the morphology of a hybrid polymer/nanoparticle active layer of solar cells: mesoscopic simulation. Molecular Systems Design and Engineering, 2019, 4, 390-395.	1.7	4
22	Binding Energetics of Charged Amphiphilic Ligands to Thermoresponsive Biodegradable Poly(methoxyethylaminophosphazene) Hydrogels. Langmuir, 2019, 35, 16915-16924.	1.6	2
23	Synthesis and photovoltaic properties of new Dâ€A copolymers based on 5,6â€bis(2â€ethylhexyl)naphtha[2,1â€b:3,4â€bâ€²]dithopheneâ€2,9â€diyl] donor and fluorine substituted 6,7â€bis(9,9â€didodecylâ€9hâ€fluorenâ€2â€yl)[1,2,5] thiadiazolo[3,4â€g]quinoxaline acceptor units. Journal of Polymer Science Part A, 2018, 56, 1297-1307.	2.5	2
24	Salt-Induced Thermoresponsivity of Cross-Linked Polymethoxyethylaminophosphazene Hydrogels: Energetics of the Volume Phase Transition. Journal of Physical Chemistry B, 2018, 122, 1981-1991.	1.2	11
25	Photoinduced orientational structures of nematic liquid crystal droplets in contact with polyimide coated surface. Journal of Molecular Liquids, 2018, 267, 222-228.	2.3	12
26	Chitosan coatings with enhanced biostability in vivo. Journal of Biomedical Materials Research - Part B Applied Biomaterials, 2018, 106, 270-277.	1.6	10
27	Durable crosslinked omniphobic coatings on textiles via supercritical carbon dioxide deposition. Journal of Supercritical Fluids, 2018, 133, 30-37.	1.6	29
28	Dithienosiloleâ€“phenylquinoxalineâ€based copolymers with Aâ€Dâ€Aâ€D and Aâ€D structures for polymer solar cells. Journal of Polymer Science Part A, 2018, 56, 376-386.	2.5	6
29	Conformation-Dependent Affinity of Thermoresponsive Biodegradable Hydrogels for Multifunctional Ligands: A Differential Scanning Calorimetry Approach. Langmuir, 2018, 34, 14378-14387.	1.6	3
30	Salt-Induced Thermoresponsivity of a Cationic Phosphazene Polymer in Aqueous Solutions. Macromolecules, 2018, 51, 7964-7973.	2.2	6
31	Nanostructured liquid crystal systems and applications. Beilstein Journal of Nanotechnology, 2018, 9, 2644-2645.	1.5	8
32	Modification of Nafion with silica nanoparticles in supercritical carbon dioxide for electrochemical applications. Journal of Membrane Science, 2018, 564, 106-114.	4.1	19
33	Optical orientation of nematic liquid crystal droplets via photoisomerization of an azodendrimer dopant. Beilstein Journal of Nanotechnology, 2018, 9, 870-879.	1.5	6
34	Self-Assembly of Lecithin and Bile Salt in the Presence of Inorganic Salt in Water: Mesoscale Computer Simulation. Journal of Physical Chemistry B, 2017, 121, 7878-7888.	1.2	18
35	Generation of ferrocenylvinyl cation CpFeC 5 H 4 â€“C + =CH 2 by protonation of ferrocenylacetylene with Nafion and its reactions with SMe 2 and PPh 3 in scCO 2 giving onium salts. Mendeleev Communications, 2017, 27, 368-370.	0.6	3
36	Thermo-switchable pressure-sensitive adhesives with strong tunable adhesion towards substrate surfaces of different hydrophilicity. Polymer, 2017, 125, 10-20.	1.8	9

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37	Domains in mixtures of amphiphilic macromolecules with different stiffness of backbone. Polymer, 2017, 125, 234-240.	1.8	5
38	Communication: Orientational structure manipulation in nematic liquid crystal droplets induced by light excitation of azodendrimer dopant. Journal of Chemical Physics, 2017, 146, 211104.	1.2	12
39	A Facile Method of Preparation of Polymer-Stabilized Perfluorocarbon Nanoparticles with Enhanced Contrast for Molecular Magnetic Resonance Imaging. BioNanoScience, 2017, 7, 456-463.	1.5	10
40	Electrode/Electrolyte Interface in the Liâ€“O₂ Battery: Insight from Molecular Dynamics Study. Journal of Physical Chemistry C, 2017, 121, 14463-14469.	1.5	34
41	Polymer globule with fractal properties caused by intramolecular nanostructuring and spatial constrains. Soft Matter, 2016, 12, 5138-5145.	1.2	5
42	New D-A1â€“D-A2-Type Regular Terpolymers Containing Benzothiadiazole and Benzotrithiophene Acceptor Units for Photovoltaic Application. ACS Applied Materials & Interfaces, 2016, 8, 32998-33009.	4.0	18
43	Conformation-dependent affinity of protein-like copolymers for small ligands. Poly(NIPAM-co-sodium) Tj ETQq1 1 0.784314 rgBT /Ove	1.8	8
44	Effects of Alkali Cations and Halide Anions on the Self-Assembly of Phosphatidylcholine in Oils. Langmuir, 2016, 32, 12166-12174.	1.6	19
45	Influence of cross-linking rate on the structure of hypercrosslinked networks: Multiscale computer simulation. Polymer, 2016, 86, 168-175.	1.8	21
46	New approach to the synthesis of a functional macroporous poly(vinyl alcohol) network and design of boronate affinity sorbent for protein separation. European Polymer Journal, 2016, 75, 1-12.	2.6	7
47	A new concept for molecular engineering of artificial enzymes: a multiscale simulation. Soft Matter, 2016, 12, 689-704.	1.2	3
48	Synthesis and photovoltaic properties of thieno[3,4-b]pyrazine or dithieno[3â€²,2â€²:3,4;2â€³,3â€³:5,6]benzo[1,2-d]imidazole-containing conjugated polymers. Journal of Polymer Science Part A, 2015, 53, 1067-1075.	2.5	9
49	Energetics and Mechanism of Conformational Transitions of Proteinâ€Like NIPAMâ€Sodium Styrene Sulfonate Copolymers in Aqueous Solutions. Macromolecular Chemistry and Physics, 2015, 216, 2344-2355.	1.1	8
50	Vesicleâ€Like Globules of Amphiphilic Macromolecules. Macromolecular Theory and Simulations, 2015, 24, 393-398.	0.6	18
51	Effect of Induced Self-Organization in Mixtures of Amphiphilic Macromolecules with Different Stiffness. Macromolecules, 2015, 48, 3767-3774.	2.2	8
52	Eugenol oil nanoemulsion: antifungal activity against Fusarium oxysporum f. sp. vasinfectum and phytotoxicity on cottonseeds. Applied Nanoscience (Switzerland), 2015, 5, 255-265.	1.6	106
53	Effects of cathode and electrolyte properties on lithiumâ€“air battery performance: Computational study. Journal of Power Sources, 2015, 279, 707-712.	4.0	22
54	Raspberry-like Pt clusters with controlled spacing produced by deposition of loaded block copolymer micelles from supercritical CO2. European Polymer Journal, 2015, 71, 73-84.	2.6	4

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55	Energetics of LCST transition of poly(ethylene oxide) in aqueous solutions. Polymer, 2015, 73, 86-90.	1.8	13
56	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. Polymer, 2015, 76, 191-202.	1.8	108
57	Pressure sensitive adhesives based on interpolymer complexes. Progress in Polymer Science, 2015, 42, 79-153.	11.8	63
58	Viscoelastic Properties of Magnetorheological Elastomers for Damping Applications. Macromolecular Materials and Engineering, 2014, 299, 1116-1125.	1.7	31
59	Magnetorheological Fluids Based on Associating Polymers. Macromolecular Symposia, 2014, 337, 80-86.	0.4	3
60	Collagen tissue treated with chitosan solutions in carbonic acid for improved biological prosthetic heart valves. Materials Science and Engineering C, 2014, 37, 127-140.	3.8	46
61	Experimental study of the magnetic field enhanced Payne effect in magnetorheological elastomers. Soft Matter, 2014, 10, 8765-8776.	1.2	141
62	Thermo-Switchable Pressure-Sensitive Adhesives Based on Poly(N-vinyl caprolactam) Non-Covalently Cross-Linked by Poly(ethylene glycol). Macromolecules, 2014, 47, 5759-5767.	2.2	38
63	Thienopyrazine or dithiadiazatrindene containing low band gap conjugated polymers for polymer solar cells. Chinese Journal of Polymer Science (English Edition), 2014, 32, 844-853.	2.0	19
64	Study of the Mechanisms of Filler Reinforcement in Elastomer Nanocomposites. Macromolecules, 2014, 47, 5400-5408.	2.2	67
65	Self-organization of amphiphilic polymers. Polimery, 2014, 59, 74-79.	0.4	8
66	Intelligent gels and cryogels with embedded emulsions of various oils. Journal of Applied Polymer Science, 2013, 127, 2703-2709.	1.3	13
67	Hydration of terminal alkynes on Nafion film in supercritical carbon dioxide. Journal of Supercritical Fluids, 2013, 76, 61-66.	1.6	6
68	Active layer materials coated with Teflon AF nano-films deposited from solutions in supercritical CO2 for fuel cell applications. International Journal of Hydrogen Energy, 2013, 38, 10592-10601.	3.8	7
69	Nonconventional scenarios of polymer self-assembly. Soft Matter, 2013, 9, 10943.	1.2	13
70	Novel polyolefin/silicon dioxide/H3PO4 composite membranes with spatially heterogeneous structure for phosphoric acid fuel cell. International Journal of Hydrogen Energy, 2013, 38, 4132-4143.	3.8	19
71	New Type of Swelling Behavior upon Gel Ionization: Theory vs Experiment. Macromolecules, 2013, 46, 9359-9367.	2.2	34
72	Peptide nanofibrils boost retroviral gene transfer and provide a rapid means for concentrating viruses. Nature Nanotechnology, 2013, 8, 130-136.	15.6	125

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73	Effect of nanotube size on the mechanical properties of elastomeric composites. Soft Matter, 2013, 9, 4067.	1.2	29
74	Molecular Interactions between Lecithin and Bile Salts/Acids in Oils and Their Effects on Reverse Micellization. Langmuir, 2013, 29, 3879-3888.	1.6	29
75	Ternary Interpolyelectrolyte Complexes Insulin-Poly(methylaminophosphazene)-Dextran Sulfate for Oral Delivery of Insulin. Langmuir, 2013, 29, 2273-2281.	1.6	30
76	Spreading and Dewetting of Single Bottleâ€Brush Macromolecules on Nanofacetted SrTiO₃ Substrate as Induced by Different Vapours. Macromolecular Chemistry and Physics, 2013, 214, 761-775.	1.1	1
77	Morphological investigation of polydisperse asymmetric block copolymer systems of poly(styrene) and poly(methacrylic acid) in the strong segregation regime. Journal of Polymer Science, Part B: Polymer Physics, 2013, 51, 1657-1671.	2.4	5
78	Novel composite Zr/PBI-O-PhT membranes for HT-PEFC applications. Beilstein Journal of Nanotechnology, 2013, 4, 481-492.	1.5	31
79	Ultramicrosensors based on transition metal hexacyanoferrates for scanning electrochemical microscopy. Beilstein Journal of Nanotechnology, 2013, 4, 649-654.	1.5	7
80	Energy-related nanomaterials. Beilstein Journal of Nanotechnology, 2013, 4, 678-679.	1.5	1
81	Large-scale atomistic and quantum-mechanical simulations of a Nafion membrane: Morphology, proton solvation and charge transport. Beilstein Journal of Nanotechnology, 2013, 4, 567-587.	1.5	64
82	Vladimir Borisovich Braginsky (on his 80th birthday). Physics-Uspekhi, 2012, 55, 109-110.	0.8	0
83	Impact of Hydrophobic Sequence Patterning on the Coil-to-Globule Transition of Protein-like Polymers. Macromolecules, 2012, 45, 5229-5236.	2.2	77
84	Chitosan nanostructures deposited from solutions in carbonic acid on a model substrate as resolved by AFM. Colloid and Polymer Science, 2012, 290, 1471-1480.	1.0	24
85	Prussian Blue-modified ultramicroelectrodes for mapping hydrogen peroxide in scanning electrochemical microscopy (SECM). Electrochemistry Communications, 2012, 23, 102-105.	2.3	21
86	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.	5.1	76
87	Performance of high temperature fuel cells with different types of PBI membranes as analysed by impedance spectroscopy. International Journal of Hydrogen Energy, 2012, 37, 2596-2602.	3.8	50
88	Direct deposition of chitosan macromolecules on a substrate from solutions in supercritical carbon dioxide: Solubility and conformational analysis. European Polymer Journal, 2012, 48, 906-918.	2.6	11
89	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. Polymer, 2012, 53, 993-997.	1.8	1
90	Self-Assembling Nanofibers from Thiopheneâ€“Peptide Diblock Oligomers: A Combined Experimental and Computer Simulations Study. ACS Nano, 2011, 5, 6894-6909.	7.3	41

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91	Nematic Ordering of Polymers in Confined Geometry Applied to DNA Packaging in Viral Capsids. Journal of Physical Chemistry B, 2011, 115, 422-432.	1.2	15
92	Polyplexes of Poly(methylaminophosphazene): Energetics of DNA Melting. Langmuir, 2011, 27, 11582-11590.	1.6	9
93	Directed Assembly of Block Copolymers by Sparsely Patterned Substrates. Journal of Physical Chemistry C, 2011, 115, 25185-25200.	1.5	32
94	Self-organizing bioinspired oligothiopheneâ€“oligopeptide hybrids. Beilstein Journal of Nanotechnology, 2011, 2, 525-544.	1.5	10
95	Surface induced self-organization of comb-like macromolecules. Beilstein Journal of Nanotechnology, 2011, 2, 569-584.	1.5	8
96	Conformational Energetics of Interpolyelectrolyte Complexation between Î¹-Carrageenan and Poly(methylaminophosphazene) Measured by High-Sensitivity Differential Scanning Calorimetry. Langmuir, 2011, 27, 7714-7721.	1.6	9
97	Happy Birthday, Macromolecular Theory and Simulations!. Macromolecular Theory and Simulations, 2011, 20, 597-599.	0.6	0
98	Magnetic polymer beads: Recent trends and developments in synthetic design and applications. European Polymer Journal, 2011, 47, 542-559.	2.6	247
99	Free energy profiles of amino acid side chain analogs near waterâ€“vapor interface obtained via MD simulations. Journal of Computational Chemistry, 2010, 31, 204-216.	1.5	11
100	AB-Block Copolymer with Moving B Blocks as a Model for Interpolymer Complexes. Macromolecular Theory and Simulations, 2010, 19, 240-248.	0.6	1
101	Comb-like poly(4-vilylpyridinium) salts with dodecylsulfate, sodium bis(2-ethylhexyl) sulfosuccinate and bromide counter ions. Small-angle X-ray scattering and dynamic light scattering study. Polymer, 2010, 51, 122-128.	1.8	5
102	Supercritical carbon dioxide in organometallic synthesis: Combination of sc-CO2 with Nafion film as a novel reagent in the synthesis of ethers from hydroxymethylmetallocenes. Journal of Organometallic Chemistry, 2010, 695, 799-803.	0.8	13
103	A novel strategy for controlling the orientation of cylindrical domains in thin blend copolymer films via â€˜double phase separationâ€™. Chemical Physics Letters, 2010, 487, 297-302.	1.2	10
104	Pattern multiplication by template-guided self-assembly of cylinder-forming copolymers: Field-theoretic and particle-based simulations. Chemical Physics Letters, 2010, 492, 103-108.	1.2	15
105	â€œAmphiphilicâ€•Ionic Liquid in a Mixture of Nonionic Liquids: Theoretical Study. Journal of Physical Chemistry B, 2010, 114, 15066-15074.	1.2	9
106	Large-scale atomistic simulation of a nanosized fibril formed by thiopheneâ€“peptide â€œmolecular chimerasâ€• Soft Matter, 2010, 6, 1453.	1.2	7
107	Novel pH-responsive hydrogels with gradient charge distribution. Soft Matter, 2010, 6, 1632.	1.2	21
108	Selfâ€Assembled Polythiopheneâ€Based Nanostructures: Numerical Studies. Macromolecular Theory and Simulations, 2009, 18, 219-246.	0.6	26

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109	Binding Energetics of Lysozyme to Copolymers of Nâ€isopropylacrylamide with Sodium Sulfonated Styrene. Macromolecular Bioscience, 2009, 9, 543-550.	2.1	7
110	Synthesis and characterization of temperatureâ€responsive copolymers based on Nâ€vinylcaprolactam and their grafting on fibres. Polymer International, 2009, 58, 1326-1334.	1.6	24
111	Solvent Accessible Surface Area of Amino Acid Residues in Globular Proteins: Correlation of Apparent Transfer Free Energies with Experimental Hydrophobicity Scales. Biomacromolecules, 2009, 10, 1224-1237.	2.6	31
112	Effect of Comonomer Sequence Distribution on the Adsorption of Random Copolymers onto Impenetrable Flat Surfaces. Macromolecules, 2009, 42, 2843-2853.	2.2	40
113	Computer Simulation Study of Model Nafion Membrane in Water/Methanol Solvent. Composite Interfaces, 2009, 16, 547-577.	1.3	5
114	Investigation of Physicalâ^'Chemical Properties of Agarose Hydrogels with Embedded Emulsions. Journal of Physical Chemistry B, 2009, 113, 14849-14853.	1.2	3
115	Salt Effects on Complexes of Oppositely Charged Macromolecules Having Different Affinity to Water. Macromolecules, 2009, 42, 7495-7503.	2.2	17
116	Motion of single wandering diblock-macromolecules directed by a PTFE nano-fence: real time SFM observations. Physical Chemistry Chemical Physics, 2009, 11, 5591.	1.3	4
117	Microphase separation of diblock copolymers with amphiphilic segment. Soft Matter, 2009, 5, 2896.	1.2	35
118	Linear rheology of compressible soft nanocomposites. Rheologica Acta, 2008, 47, 359-368.	1.1	1
119	Chitosan Molecules Deposited from Supercritical Carbon Dioxide on a Substrate: Visualization and Conformational Analysis. Macromolecular Chemistry and Physics, 2008, 209, 2204-2212.	1.1	11
120	Microphase separation in diblock copolymers with amphiphilic block: Local chemical structure can dictate global morphology. Chemical Physics Letters, 2008, 461, 58-63.	1.2	43
121	Silk-inspired â€˜molecular chimerasâ€™: Atomistic simulation of nanoarchitectures based on thiopheneâ€“peptide copolymers. Chemical Physics Letters, 2008, 461, 64-70.	1.2	19
122	Orderâ^'Disorder Conformational Transitions of N-Isopropylacrylamideâ^'Sodium Styrene Sulfonate Copolymers in Aqueous Solutions. Macromolecules, 2008, 41, 5981-5984.	2.2	18
123	Intelligent Gels and Cryogels with Entrapped Emulsions. Langmuir, 2008, 24, 4467-4469.	1.6	40
124	Evolutionary Approach in Copolymer Sequence Design. Macromolecular Symposia, 2007, 252, 36-46.	0.4	6
125	Computer Design of Copolymers with Desired Functionalities: Microphase Separation in Diblock Copolymers with Amphiphilic Block. AIP Conference Proceedings, 2007, , .	0.3	1
126	A scanning force microscopy study on the motion of single brush-like macromolecules on a silicon substrate induced by coadsorption of small molecules. Physical Chemistry Chemical Physics, 2007, 9, 346-352.	1.3	26

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127	Interface between Ionic and Nonionic Liquids: Theoretical Study. Journal of Physical Chemistry B, 2007, 111, 3462-3468.	1.2	12
128	Microphase Separation in a Mixture of Ionic and Nonionic Liquids. Journal of Physical Chemistry B, 2007, 111, 10189-10193.	1.2	12
129	Visualization of Different Pathways of DNA Release from Interpolyelectrolyte Complexâ€. Journal of Physical Chemistry B, 2007, 111, 8373-8378.	1.2	7
130	Molecular Bottle Brushes in a Solution of Semiflexible Polyelectrolytes and Block Copolymers with an Oppositely Charged Block:Â A Molecular Dynamics Simulationâ€. Journal of Physical Chemistry B, 2007, 111, 8360-8368.	1.2	9
131	Diagram of State of Stiff Amphiphilic Macromolecules. Macromolecular Symposia, 2007, 252, 24-35.	0.4	11
132	Self-Assembled Monolayers of Î²-Alkylated Oligothiophenes on Graphite Substrate:â€‰ Molecular Dynamics Simulation. Journal of Physical Chemistry C, 2007, 111, 7165-7174.	1.5	25
133	Self-Assembled Networks Highly Responsive to Hydrocarbons. Langmuir, 2007, 23, 105-111.	1.6	78
134	Conformational Behaviour of Comb-Like Poly(4-vinylpyridinium) Salts and their Complexes with Surfactants in Solution and on a Flat Surface. Macromolecular Chemistry and Physics, 2007, 208, 164-174.	1.1	13
135	Statistical Mechanics of Polymers: New Developments - International Workshop. Macromolecular Chemistry and Physics, 2007, 208, 1598-1599.	1.1	1
136	Block Copolymer Based Molecular Motor. Macromolecular Rapid Communications, 2007, 28, 977-980.	2.0	12
137	Hydration Characterization of Hydrophobically Modified Polymers by Dielectric Measurements in the Millimeter Range. Macromolecular Bioscience, 2007, 7, 475-481.	2.1	4
138	Vaporâ€induced spreading dynamics of adsorbed linear and brushâ€like macromolecules as observed by environmental SFM: Polymer chain statistics and scaling exponents. Journal of Polymer Science, Part B: Polymer Physics, 2007, 45, 2368-2379.	2.4	21
139	Self-assembly of (perfluoroalkyl)alkanes on a substrate surface from solutions in supercritical carbon dioxide. Physical Chemistry Chemical Physics, 2006, 8, 2642-2649.	1.3	18
140	Why Ionic Liquids Can Possess Extra Solvent Power. Journal of Physical Chemistry B, 2006, 110, 16205-16207.	1.2	33
141	Semiflexible amphiphilic polymers: Cylindrical-shaped, collagenlike, and toroidal structures. Journal of Chemical Physics, 2006, 124, 144914.	1.2	30
142	Adsorption of Polyelectrolyte Molecules to a Nanostructured Monolayer of Amphiphiles. Nano Letters, 2006, 6, 1018-1022.	4.5	21
143	Simulation of Gradient Copolymers Synthesis via Conformation-Dependent Graft Copolymerization near a Uniform Adsorbing Surface. Macromolecules, 2006, 39, 8808-8815.	2.2	9
144	Mathematical modeling of interfacial polycondensation. Journal of Polymer Science, Part B: Polymer Physics, 2006, 44, 2698-2724.	2.4	49

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145	Morphology of hybrid polystyrene-block-poly(ethylene oxide) micelles: Analytical ultracentrifugation and SANS studies. Journal of Colloid and Interface Science, 2006, 299, 944-952.	5.0	7
146	Control of reactions between surfactant reagents in miniemulsions. Surface nanoreactors. Colloid and Polymer Science, 2006, 284, 459-467.	1.0	16
147	Two-dimensional classification of amphiphilic monomers based on interfacial and partitioning properties. 2. Amino acids and amino acid residues. Colloid and Polymer Science, 2006, 284, 575-585.	1.0	30
148	Synthesis and SFM Study of Comb-Like Poly(4-vinylpyridinium) Salts and Their Complexes with Surfactants. Macromolecular Rapid Communications, 2006, 27, 1048-1053.	2.0	14
149	New Approach to the Synthesis of Polyacrylamide in Miniemulsified Systems. Macromolecular Rapid Communications, 2006, 27, 1900-1905.	2.0	17
150	Mesoscopic Morphology of Proton-Conducting Polyelectrolyte Membranes of NafionÂ® Type: A Self-Consistent Mean Field Simulation. Macromolecular Theory and Simulations, 2006, 15, 137-146.	0.6	52
151	Protein Sequences as Literature Text. Macromolecular Theory and Simulations, 2006, 15, 425-431.	0.6	3
152	Recognition of complex patterned substrates by heteropolymer chains consisting of multiple monomer types. Journal of Chemical Physics, 2006, 124, 174904.	1.2	17
153	Solution properties of charged hydrophobic/hydrophilic copolymers. Current Opinion in Colloid and Interface Science, 2005, 10, 22-29.	3.4	33
154	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.	1.1	27
155	Energetics of Cooperative Transitions ofN-Vinylcaprolactam Polymers in Aqueous Solutions. Macromolecular Chemistry and Physics, 2005, 206, 915-928.	1.1	62
156	Synthesis and Properties of Polyelectrolyte Gels with Embedded Voids. Macromolecular Chemistry and Physics, 2005, 206, 1752-1756.	1.1	9
157	Real-Time Imaging of the Coil-Globule Transition of Single Adsorbed Poly(2-vinylpyridine) Molecules. Macromolecular Rapid Communications, 2005, 26, 456-460.	2.0	27
158	Two-dimensional classification of amphiphilic monomers based on interfacial and partitioning properties. 1. Monomers of synthetic water-soluble polymers. Colloid and Polymer Science, 2005, 284, 117-123.	1.0	42
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