Petr Stepanek

List of Publications by Year in descending order

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231 papers	5,379 citations	81900 39 h-index	138484 58 g-index
237 all docs	237 docs citations	237 times ranked	5889 citing authors

#	Article	IF	Citations
1	Cascade of Coil-Globule Conformational Transitions of Single Flexible Polyelectrolyte Molecules in Poor Solvent. Journal of the American Chemical Society, 2002, 124, 13454-13462.	13.7	164
2	Brightly Luminescent Organically Capped Silicon Nanocrystals Fabricated at Room Temperature and Atmospheric Pressure. ACS Nano, 2010, 4, 4495-4504.	14.6	161
3	Static and dynamic crossover in a critical polymer mixture. Physical Review Letters, 1990, 65, 1893-1896.	7.8	137
4	Multicompartment Lipid Cubic Nanoparticles with High Protein Upload: Millisecond Dynamics of Formation. ACS Nano, 2014, 8, 5216-5226.	14.6	136
5	Smart polymers in drug delivery systems on crossroads: Which way deserves following?. European Polymer Journal, 2015, 65, 82-97.	5.4	111
6	Structure and Dynamics of Poly(n-decyl methacrylate) below and above the Glass Transition. Macromolecules, 1998, 31, 6951-6957.	4.8	102
7	Semidilute solutions of poly(methacrylic acid) in the absence of salt: Dynamic light-scattering study. Polymer, 1987, 28, 873-880.	3.8	100
8	Dynamic behavior of .THETA. solutions of polystyrene investigated by dynamic light scattering. Macromolecules, 1990, 23, 1165-1174.	4.8	86
9	DNA/Fusogenic Lipid Nanocarrier Assembly: Millisecond Structural Dynamics. Journal of Physical Chemistry Letters, 2013, 4, 1959-1964.	4.6	86
10	Static and dynamic scattering from ternary polymer blends: Bicontinuous microemulsions, Lifshitz lines, and amphiphilicity. Journal of Chemical Physics, 2001, 114, 7247-7259.	3.0	79
11	pH-triggered block copolymer micelles based on a pH-responsive PDPA (poly[2-(diisopropylamino)ethyl) Tj ETQq1 1 0.784314 rgBT /Ov cancer therapy. Soft Matter, 2011, 7, 9316.	2.7	77
12	Synthesis and pH- and salinity-controlled self-assembly of novel amphiphilic block-gradient copolymers of styrene and acrylic acid. Soft Matter, 2012, 8, 7649.	2.7	72
13	Dynamics of the "Strong" Polymer of n-Lauryl Methacrylate below and above the Glass Transition. Macromolecules, 1995, 28, 6799-6807.	4.8	71
14	Aggregation behavior of amphiphilic poly(2-alkyl-2-oxazoline) diblock copolymers in aqueous solution studied by fluorescence correlation spectroscopy. Colloid and Polymer Science, 2004, 282, 833-843.	2.1	69
15	Global Analysis of Dynamic Light Scattering Autocorrelation Functions. Particle and Particle Systems Characterization, 1996, 13, 291-294.	2.3	68
16	Earliest Stage of the Tetrahedral Nanochannel Formation in Cubosome Particles from Unilamellar Nanovesicles. Langmuir, 2012, 28, 16647-16655.	3.5	68
17	Critical dynamics of polymer blends. Journal of Chemical Physics, 1991, 94, 8289-8301.	3.0	64
18	Polyethylenimine based magnetic nanoparticles mediated non-viral CRISPR/Cas9 system for genome editing. Scientific Reports, 2020, 10, 4619.	3.3	64

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19	Effect of pressure on the side-chain crystallization of poly(n-octadecyl methacrylate) studied by dielectric spectroscopy. Physical Review B, 2000, 62, 14012-14019.	3.2	63
20	pH-triggered reversible solâ€“gel transition in aqueous solutions of amphiphilic gradient copolymers. Soft Matter, 2011, 7, 10824.	2.7	63
21	Dynamic Light Scattering from Dilute, Semidilute, and Concentrated Block Copolymer Solutions. Macromolecules, 1995, 28, 1643-1653.	4.8	60
22	Combination chemotherapy using core-shell nanoparticles through the self-assembly of HPMA-based copolymers and degradable polyester. Journal of Controlled Release, 2013, 165, 153-161.	9.9	57
23	Dilute and semidilute solutions of ABA block copolymer in solvents selective for A or B blocks: 2. Light scattering and sedimentation study. Polymer, 1990, 31, 2118-2124.	3.8	55
24	Topology and internal structure of PEGylated lipid nanocarriers for neuronal transfection: synchrotron radiation SAXS and cryo-TEM studies. Soft Matter, 2011, 7, 9714.	2.7	54
25	Fluorescent boronate-based polymer nanoparticles with reactive oxygen species (ROS)-triggered cargo release for drug-delivery applications. Nanoscale, 2016, 8, 6958-6963.	5.6	54
26	Novel pH-Responsive Nanoparticles. Langmuir, 2008, 24, 9295-9301.	3.5	52
27	Aggregation Behavior of a New Series of ABA Triblock Copolymers Bearing Short Outer A Blocks in B-Selective Solvent: From Free Chains to Bridged Micelles. Langmuir, 2009, 25, 731-738.	3.5	51
28	Macromolecular HPMA-Based Nanoparticles with Cholesterol for Solid-Tumor Targeting: Detailed Study of the Inner Structure of a Highly Efficient Drug Delivery System. Biomacromolecules, 2012, 13, 2594-2604.	5.4	51
29	Novel â€œsoftâ€•biodegradable nanoparticles prepared from aliphatic based monomers as a potential drug delivery system. Soft Matter, 2012, 8, 4343.	2.7	51
30	Dynamic Light Scattering from Block Copolymer Melts near the Orderâ^'Disorder Transition. Macromolecules, 1996, 29, 1244-1251.	4.8	49
31	Physicochemical aspects behind the size of biodegradable polymeric nanoparticles: A step forward. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2013, 436, 1092-1102.	4.7	49
32	Dynamics of ternary polymer blends: Disordered, ordered and bicontinuous microemulsion phases. Faraday Discussions, 1999, 112, 335-350.	3.2	48
33	Dynamic light scattering from microstructured block copolymer solutions. Macromolecules, 1991, 24, 6227-6230.	4.8	45
34	Quasielastic light scattering from polymers, colloids and gels. Advances in Colloid and Interface Science, 1984, 21, 195-274.	14.7	44
35	Curcumin-bortezomib loaded polymeric nanoparticles for synergistic cancer therapy. European Polymer Journal, 2017, 93, 116-131.	5.4	44
36	Block and Gradient Copoly(2-oxazoline) Micelles: Strikingly Different on the Inside. Journal of Physical Chemistry Letters, 2017, 8, 3800-3804.	4.6	44

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37	Multiple Relaxations of Concentration Fluctuations in Entangled Polymer Solutions. Macromolecules, 1998, 31, 1889-1897.	4.8	41
38	Thermoresponsive Polymers for Nuclear Medicine: Which Polymer Is the Best?. Langmuir, 2016, 32, 6115-6122.	3.5	40
39	Dynamic Light Scattering from Block Copolymer Solutions under the Zero Average Contrast Condition. Macromolecules, 1995, 28, 3221-3229.	4.8	39
40	Polymeric nanocapsules ultra stable in complex biological media. Colloids and Surfaces B: Biointerfaces, 2011, 83, 376-381.	5.0	39
41	Hydrolytically Degradable Polymer Micelles for Drug Delivery: A SAXS/SANS Kinetic Study. Biomacromolecules, 2013, 14, 4061-4070.	5.4	39
42	System with embedded drug release and nanoparticle degradation sensor showing efficient rifampicin delivery into macrophages. Nanomedicine: Nanotechnology, Biology, and Medicine, 2017, 13, 307-315.	3.3	38
43	Distribution of relaxation times from dynamic light scattering on semidilute solutions: polystyrene in ethyl acetate as a function of temperature from good to .THETA. conditions. Macromolecules, 1988, 21, 1791-1798.	4.8	37
44	Effect of Hydrophobic Interactions on Properties and Stability of DNAâˆ’Polyelectrolyte Complexes. Langmuir, 2010, 26, 4999-5006.	3.5	37
45	Morphology of polystyrene-block-poly(styrene-co-acrylonitrile) and polystyrene-block-poly(styrene-co-acrylonitrile-co-5-vinyltetrazole) diblock copolymers prepared by nitroxide-mediated radical polymerization and â€œclickâ€•chemistry. European Polymer Journal, 2008, 44, 189-199.	5.4	36
46	Self-assembly of biodegradable copolyester and reactive HPMA-based polymers into nanoparticles as an alternative stealth drug delivery system. Soft Matter, 2012, 8, 9563.	2.7	35
47	Osmotic compressibility measurements on semidilute polystyrene-cyclohexane solutions. Macromolecules, 1984, 17, 2340-2343.	4.8	33
48	Viscoelastic relaxation in semidilute and concentrated polymer solutions. Macromolecules, 1993, 26, 6884-6890.	4.8	33
49	Temoporfin-loaded 1-tetradecanol-based thermoresponsive solid lipid nanoparticles for photodynamic therapy. Journal of Controlled Release, 2016, 241, 34-44.	9.9	33
50	Static and dynamic properties of multiple light scattering. Journal of Chemical Physics, 1993, 99, 6384-6393.	3.0	32
51	Porphyrin Protonation Studied by Magnetic Circular Dichroism. Journal of Physical Chemistry A, 2012, 116, 778-783.	2.5	32
52	pH-responsive polymersome-mediated delivery of doxorubicin into tumor sites enhances the therapeutic efficacy and reduces cardiotoxic effects. Journal of Controlled Release, 2021, 332, 529-538.	9.9	32
53	Computation of magnetic circular dichroism by sumâ€overâ€states summations. Journal of Computational Chemistry, 2013, 34, 1531-1539.	3.3	31
54	Nanoparticles of the poly([N-(2-hydroxypropyl)]methacrylamide)-b-poly[2-(diisopropylamino)ethyl methacrylate] diblock copolymer for pH-triggered release of paclitaxel. Polymer Chemistry, 2015, 6, 4946-4954.	3.9	31

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55	Coil-globule transition of a single polystyrene chain in dioctyl phthalate. Macromolecules, 1982, 15, 1214-1216.	4.8	30
56	Rifampicin Nanoformulation Enhances Treatment of Tuberculosis in Zebrafish. Biomacromolecules, 2019, 20, 1798-1815.	5.4	30
57	Comb copolymers of polystyrene-poly(tert-butyl (meth)acrylate) prepared by combination of nitroxide mediated polymerization and photoinduced iniferter technique. European Polymer Journal, 2008, 44, 59-71.	5.4	29
58	Novel poly(ethylene oxide monomethyl ether)-b-poly(Îµ-caprolactone) diblock copolymers containing a pH-acid labile ketal group as a block linkage. Polymer Chemistry, 2014, 5, 3884-3893.	3.9	29
59	Reactive Oxygen Species (ROS)-Responsive Polymersomes with Site-Specific Chemotherapeutic Delivery into Tumors via Spacer Design Chemistry. Biomacromolecules, 2020, 21, 1437-1449.	5.4	29
60	Distribution of relaxation times from quasi-elastic light-scattering experiments: high molecular weight polystyrene in cyclopentane at .theta. conditions. Macromolecules, 1988, 21, 2859-2865.	4.8	28
61	Aggregation of dextran hydrophobically modified by sterically-hindered phenols in aqueous solutions: Aggregates vs. single molecules. European Polymer Journal, 2008, 44, 3361-3369.	5.4	27
62	Light scattering evidence of selective protein fouling on biocompatible block copolymer micelles. Nanoscale, 2012, 4, 4504.	5.6	27
63	One-pot synthesis of reactive oxygen species (ROS)-self-immolative polyoxalate prodrug nanoparticles for hormone dependent cancer therapy with minimized side effects. Polymer Chemistry, 2017, 8, 1999-2004.	3.9	27
64	Coating of Vesicles with Hydrophilic Reactive Polymers. Langmuir, 2008, 24, 7092-7098.	3.5	26
65	pH Sensitive Polymer Nanoparticles: Effect of Hydrophobicity on Self-Assembly. Langmuir, 2010, 26, 14450-14457.	3.5	26
66	Glycogen as a Biodegradable Construction Nanomaterial for in vivo Use. Macromolecular Bioscience, 2012, 12, 1731-1738.	4.1	25
67	Study of Complex Thermosensitive Amphiphilic Polyoxazolines and Their Interaction with Ionic Surfactants. Are Hydrophobic, Thermosensitive, and Hydrophilic Moieties Equally Important?. Journal of Physical Chemistry B, 2014, 118, 4940-4950.	2.6	25
68	Understanding the Structural Parameters of Biocompatible Nanoparticles Dictating Protein Fouling. Langmuir, 2014, 30, 9770-9779.	3.5	25
69	Block copolymer micelles near critical conditions. Journal of Colloid and Interface Science, 1985, 105, 372-377.	9.4	24
70	Relaxation of Concentration Fluctuations in a Shear Field. Macromolecules, 1996, 29, 8888-8893.	4.8	24
71	Self-Diffusion of a Symmetric PEPâ^'PDMS Diblock Copolymer above and below the Disorder-to-Order Transition. Macromolecules, 1999, 32, 1956-1961.	4.8	23
72	Morphological studies and ionic transport properties of partially sulfonated diblock copolymers. European Polymer Journal, 2006, 42, 2486-2496.	5.4	23

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73	Combination of â€œlivingâ€•nitroxide-mediated and photoiniferter-induced â€œgrafting fromâ€•free-radical polymerizations: From branched copolymers to unimolecular micelles and microgels. European Polymer Journal, 2009, 45, 1748-1758.	5.4	23
74	Synthesis of thermally responsive cylindrical molecular brushes via a combination of nitroxide-mediated radical polymerization and â€œgrafting ontoâ€•strategy. European Polymer Journal, 2010, 46, 804-813.	5.4	23
75	Relaxation time distributions of entangled polymer solutions from dynamic light scattering and dynamic mechanical measurements. Macromolecules, 1990, 23, 357-359.	4.8	22
76	Anisotropic Self-Diffusion in a Hexagonally Ordered Asymmetric PEPâ^'PDMS Diblock Copolymer Studied by Pulsed Field Gradient NMR. Macromolecules, 1999, 32, 5872-5877.	4.8	22
77	Glycogen-graft-poly(2-alkyl-2-oxazolines) â€“ the new versatile biopolymer-based thermoresponsive macromolecular toolbox. RSC Advances, 2014, 4, 61580-61588.	3.6	22
78	¹⁹F Magnetic Resonance Imaging of Injectable Polymeric Implants with Multiresponsive Behavior. Chemistry of Materials, 2018, 30, 4892-4896.	6.7	22
79	Interaction between block copolymer micelles in solution. , 1985, , 15-19.		21
80	Polarized and depolarized dynamic light scattering from a block copolymer melt. Journal of Polymer Science, Part B: Polymer Physics, 1997, 35, 1643-1648.	2.1	21
81	A Dynamic Light Scattering Study of Fast Relaxations in Polymer Solutions. Macromolecules, 2007, 40, 2165-2171.	4.8	21
82	Multi-scale modeling of electronic spectra of three aromatic amino acids: importance of conformational averaging and explicit soluteâ€“solvent interactions. Physical Chemistry Chemical Physics, 2014, 16, 20639-20649.	2.8	21
83	Originâ€•independent sum over states simulations of magnetic and electronic circular dichroism spectra via the localized orbital/local origin method. Journal of Computational Chemistry, 2015, 36, 723-730.	3.3	21
84	Self-assembly and nanostructure of poly(vinyl alcohol)-graft-poly(methyl methacrylate) amphiphilic nanoparticles. Journal of Colloid and Interface Science, 2019, 553, 512-523.	9.4	21
85	Dilute solutions and phase behavior of polydisperse A-b-(A-co-B) diblock copolymers. Polymer, 2009, 50, 2451-2459.	3.8	20
86	Stimuli-Responsive Spherical Brushes Based on <scp>D</scp> -Galactopyranose and 2-(Dimethylamino)ethyl Methacrylate. Macromolecular Bioscience, 2014, 14, 81-91.	4.1	20
87	Salt-Induced Changes in Triblock Polyampholyte Hydrogels: Computer Simulations and Rheological, Structural, and Dynamic Characterization. Macromolecules, 2015, 48, 8177-8189.	4.8	20
88	Novel triphilic block copolymers based on poly(2-methyl-2-oxazoline)â€“blockâ€“poly(2-octyl-2-oxazoline) with different terminal perfluoroalkyl fragments: Synthesis and self-assembly behaviour. European Polymer Journal, 2017, 88, 645-655.	5.4	20
89	Self-diffusion investigations on a series of PEP-PDMS diblock copolymers with different morphologies by pulsed field gradient NMR. Physical Chemistry Chemical Physics, 1999, 1, 3923-3931.	2.8	19
90	New fast method for determination of number of UHMWPE wear particles. Journal of Materials Science: Materials in Medicine, 2004, 15, 1267-1278.	3.6	19

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91	Cubic to Hexagonal Phase Transition Induced by Electric Field. Macromolecules, 2010, 43, 4261-4267.	4.8	19
92	Thermoresponsive Nanoparticles Based on Poly(2â€alkylâ€2â€Oxazolines) and Pluronic F127. Macromolecular Rapid Communications, 2012, 33, 1683-1689.	3.9	19
93	Communication: Fullerene resolution by the magnetic circular dichroism. Journal of Chemical Physics, 2013, 138, 151103.	3.0	19
94	Interplay of Thermosensitivity and pH Sensitivity of Amphiphilic Blockâ€“Gradient Copolymers of Dimethylaminoethyl Acrylate and Styrene. Macromolecules, 2018, 51, 5219-5233.	4.8	19
95	Paclitaxel-loaded biodegradable ROS-sensitive nanoparticles for cancer therapy . International Journal of Nanomedicine, 2019, Volume 14, 6269-6285.	6.7	19
96	Small-angle X-ray scattering and light scattering study of hybrid nanoparticles composed of thermoresponsive triblock copolymer F127 and thermoresponsive statistical polyoxazolines with hydrophobic moieties. Journal of Applied Crystallography, 2013, 46, 1690-1698.	4.5	18
97	Silica-based nanoparticles are efficient delivery systems for temoporfin. Photodiagnosis and Photodynamic Therapy, 2018, 21, 275-284.	2.6	18
98	Fluorophilicâ€“Lipophilicâ€“Hydrophilic Poly(2-oxazoline) Block Copolymers as MRI Contrast Agents: From Synthesis to Self-Assembly. Macromolecules, 2018, 51, 6047-6056.	4.8	18
99	Microfluidic-Assisted Engineering of Quasi-Monodisperse pH-Responsive Polymersomes toward Advanced Platforms for the Intracellular Delivery of Hydrophilic Therapeutics. Langmuir, 2019, 35, 8363-8372.	3.5	18
100	Internal Structural Characterization of Triblock Copolymer Micelles with Looped Corona Chains. Langmuir, 2009, 25, 3487-3493.	3.5	17
101	Novel thermosensitive telechelic PEGs with antioxidant activity: synthesis, molecular properties and conformational behaviour. RSC Advances, 2014, 4, 41763-41771.	3.6	17
102	Dynamic Light Scattering from Polymer Solutions: The Subtraction Technique. Collection of Czechoslovak Chemical Communications, 1995, 60, 1941-1949.	1.0	17
103	Influence of temperature on polyelectrolyte dynamics: partially neutralized solutions of poly(methacrylic acid). Polymer, 1990, 31, 253-257.	3.8	16
104	Micellar size of drag reducing cationic surfactants. Colloid and Polymer Science, 1997, 275, 254-262.	2.1	16
105	Critical phenomena in binary and ternary polymer blends. Physica A: Statistical Mechanics and Its Applications, 2002, 314, 411-418.	2.6	16
106	Quasielastic light scattering from semidilute solutions in Î¸-solvent: Distribution functions of decay times. Polymer Bulletin, 1986, 16, 67-73.	3.3	15
107	Self-diffusion of an asymmetric diblock copolymer above and below the order-to-disorder transition temperature. Journal of Chemical Physics, 1999, 111, 2789-2796.	3.0	15
108	Self-Diffusion in a Lamellar and Gyroid (Ordered) Diblock Copolymer Investigated Using Pulsed Field Gradient NMR. Macromolecules, 2001, 34, 868-873.	4.8	15

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109	Biopolymer-based degradable nanofibres from renewable resources produced by freeze-drying. RSC Advances, 2013, 3, 15282.	3.6	15
110	Self-Assembly Thermodynamics of pH-Responsive Amino-Acid-Based Polymers with a Nonionic Surfactant. Langmuir, 2014, 30, 11307-11318.	3.5	15
111	Efficient Condensation of DNA into Environmentally Responsive Polyplexes Produced from Block Catiomers Carrying Amine or Diamine Groups. Langmuir, 2016, 32, 577-586.	3.5	15
112	Fluorinated 2-Alkyl-2-oxazolines of High Reactivity: Spacer-Length-Induced Acceleration for Cationic Ring-Opening Polymerization As a Basis for Triphilic Block Copolymer Synthesis. ACS Macro Letters, 2018, 7, 7-10.	4.8	15
113	Probing protein adsorption onto polymer-stabilized silver nanocolloids towards a better understanding on the evolution and consequences of biomolecular coronas. Materials Science and Engineering C, 2020, 111, 110850.	7.3	15
114	Lipid Nanomaterials for Targeted Delivery of Dermocosmetic Ingredients: Advances in Photoprotection and Skin Anti-Aging. Nanomaterials, 2022, 12, 377.	4.1	15
115	Dynamic light scattering of poly(n-laurylmethacrylate) in the melt and in concentrated ethyl acetate solutions. Journal of Polymer Science, Part B: Polymer Physics, 1997, 35, 1013-1024.	2.1	14
116	Biocompatible succinic acid-based polyesters for potential biomedical applications: fungal biofilm inhibition and mesenchymal stem cell growth. RSC Advances, 2015, 5, 85756-85766.	3.6	14
117	The role of ether-functionalized ionic liquids in the solâ€“gel process: Effects on the initial alkoxide hydrolysis steps. Journal of Colloid and Interface Science, 2015, 447, 77-84.	9.4	14
118	Double stimuli-responsive polymer systems: How to use crosstalk between pH- and thermosensitivity for drug depots. European Polymer Journal, 2016, 84, 54-64.	5.4	14
119	Photoluminescent polysaccharide-coated germanium(IV) oxide nanoparticles. Colloid and Polymer Science, 2016, 294, 1225-1235.	2.1	14
120	Self-assembled chitosan-alginate polyplex nanoparticles containing temoporfin. Colloid and Polymer Science, 2017, 295, 1259-1270.	2.1	14
121	Hybrid thermoresponsive graft constructs of fungal polysaccharide Î²-glucan: Physico-chemical and immunomodulatory properties. European Polymer Journal, 2018, 106, 118-127.	5.4	14
122	Investigation of the internal structure of thermoresponsive diblock poly(2-methyl-2-oxazoline)-b-poly[N-(2,2-difluoroethyl)acrylamide] copolymer nanoparticles. European Polymer Journal, 2019, 121, 109306.	5.4	14
123	Polymer materials as promoters/inhibitors of amyloid fibril formation. Colloid and Polymer Science, 2021, 299, 343-362.	2.1	14
124	Positive exponential sum method of inverting Laplace transform applied to photon correlation spectroscopy. European Physical Journal D, 1990, 40, 972-983.	0.4	13
125	Influence of salts on dynamic properties of drag reducing surfactants. Journal of Non-Newtonian Fluid Mechanics, 2001, 97, 251-266.	2.4	13
126	Temperatureâ€Induced Formation of Polymeric Nanoparticles: In Situ SAXS and QENS Experiments. Macromolecular Chemistry and Physics, 2013, 214, 2841-2847.	2.2	13

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127	Novel thermo-responsive double-hydrophilic and hydrophobic MPEO-b-PEtOx-b-PCL triblock terpolymers: Synthesis, characterization and self-assembly studies. Polymer, 2015, 59, 215-225.	3.8	13
128	Thermodynamics of the multi-stage self-assembly of pH-sensitive gradient copolymers in aqueous solutions. Soft Matter, 2016, 12, 6788-6798.	2.7	13
129	Polyelectrolyte pH-Responsive Protein-Containing Nanoparticles: The Physicochemical Supramolecular Approach. Langmuir, 2017, 33, 764-772.	3.5	13
130	Structural changes on polymeric nanoparticles induced by hydrophobic drug entrapment. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2018, 538, 238-249.	4.7	13
131	Self-Assembly, Drug Encapsulation, and Cellular Uptake of Block and Gradient Copolymers of 2-Methyl-2-oxazine and 2-n-Propyl/butyl-2-oxazoline. Macromolecules, 2021, 54, 10667-10681.	4.8	13
132	Dynamic behavior in concentrated polystyrene/cyclohexane solutions close to the Î˜-point. Relaxation time distributions as a function of concentration and temperature. Macromolecules, 1992, 25, 4359-4363.	4.8	12
133	The bulk dynamics of a compositionally asymmetric diblock copolymer studied using dynamic light scattering. European Physical Journal E, 2000, 1, 275.	1.6	12
134	Thermoresponsive Î²-glucan-based polymers for bimodal immunoradiotherapy â€“ Are they able to promote the immune system?. Journal of Controlled Release, 2017, 268, 78-91.	9.9	12
135	Biopolymer strategy for the treatment of Wilson's disease. Journal of Controlled Release, 2018, 273, 131-138.	9.9	12
136	Mannan-based conjugates as a multimodal imaging platform for lymph nodes. Journal of Materials Chemistry B, 2018, 6, 2584-2596.	5.8	12
137	Hybrid Îº-carrageenan-based polymers showing â€œschizophrenicâ€•lower and upper critical solution temperatures and potassium responsiveness. Carbohydrate Polymers, 2019, 210, 26-37.	10.2	12
138	Dilute Solution Properties of Poly(benzyl methacrylate) in Ionic Liquids. Macromolecules, 2020, 53, 885-894.	4.8	12
139	Thermoresponsive properties of polyacrylamides in physiological solutions. Polymer Chemistry, 2021, 12, 5077-5084.	3.9	12
140	Unexpected phase behavior of an asymmetric diblock copolymer. Journal of Chemical Physics, 1999, 111, 4319-4326.	3.0	11
141	Dynamic Light Scattering from the Oriented Lamellar State of Diblock Copolymers:Â The Undulation Mode. Macromolecules, 2001, 34, 1090-1095.	4.8	11
142	Supramolecular Structures of Low-Molecular-Weight Polybutadienes, as Studied by Dynamic Light Scattering, NMR and Infrared Spectroscopy. Macromolecules, 2001, 34, 9023-9031.	4.8	11
143	Small-Angle Neutron Scattering from Solutions of Diblock Copolymers in Partially Miscible Solventsâ€. Macromolecules, 2005, 38, 3426-3431.	4.8	11
144	Novel Polymeric Nanoparticles Assembled by Metal Ion Addition. Macromolecular Chemistry and Physics, 2011, 212, 2339-2348.	2.2	11

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145	Synthesis of densely grafted copolymers with tert-butyl methacrylate/2-(dimethylamino ethyl) methacrylate side chains as precursors for brush polyelectrolytes and polyampholytes. Materials Chemistry and Physics, 2013, 137, 709-715.	4.0	11
146	Carbon nanospecies affecting amyloid formation. RSC Advances, 2017, 7, 53887-53898.	3.6	11
147	Structural characterization of nanoparticles formed by fluorinated poly(2-oxazoline)-based polyphiles. European Polymer Journal, 2018, 99, 518-527.	5.4	11
148	Poly(ethylene oxide monomethyl ether)-block-poly(propylene succinate) Nanoparticles: Synthesis and Characterization, Enzymatic and Cellular Degradation, Micellar Solubilization of Paclitaxel, and in Vitro and in Vivo Evaluation. Biomacromolecules, 2018, 19, 2443-2458.	5.4	11
149	In Situ In Vivo radiolabeling of polymer-coated hydroxyapatite nanoparticles to track their biodistribution in mice. Colloids and Surfaces B: Biointerfaces, 2019, 179, 143-152.	5.0	11
150	Internal Structure of Thermoresponsive Physically Crosslinked Nanogel of Poly[N-(2-hydroxypropyl)methacrylamide]-Block-Poly[N-(2,2-difluoroethyl)acrylamide], Prominent 19F MRI Tracer. Nanomaterials, 2020, 10, 2231.	4.1	11
151	Local Segmental Dynamics of Poly(2-hydroxyethyl Methacrylate) in Methanolic Solution by Spin Label X-Band ESRâ€. Journal of Physical Chemistry B, 2004, 108, 9482-9490.	2.6	10
152	A Novel Nanoprobe for Multimodal Imaging Is Effectively Incorporated into Human Melanoma Metastatic Cell Lines. International Journal of Molecular Sciences, 2015, 16, 21658-21680.	4.1	10
153	Modified hydroxyethyl starch protects cells from oxidative damage. Carbohydrate Polymers, 2015, 134, 314-323.	10.2	10
154	Modified glycogen as construction material for functional biomimetic microfibers. Carbohydrate Polymers, 2016, 152, 271-279.	10.2	10
155	Undulation Properties of the Lamellar Phase of a Diblock Copolymer:Â SAXS Experiments. Macromolecules, 2002, 35, 7287-7292.	4.8	9
156	Surface patterns of block copolymers in thin layers after vapor treatment. European Polymer Journal, 2007, 43, 1144-1153.	5.4	9
157	Chelating polymeric beads as potential therapeutics for Wilsonâ€™s disease. European Journal of Pharmaceutical Sciences, 2014, 62, 1-7.	4.0	9
158	Thermoresponsive polymer system based on poly(N-vinylcaprolactam) intended for local radiotherapy applications. Applied Radiation and Isotopes, 2015, 98, 7-12.	1.5	9
159	Chelators for Treatment of Iron and Copper Overload: Shift from Low-Molecular-Weight Compounds to Polymers. Polymers, 2021, 13, 3969.	4.5	9
160	Collapse of a single polystyrene chain in dioctyl phthalate: Effect of molecular weight. Collection of Czechoslovak Chemical Communications, 1985, 50, 2579-2587.	1.0	8
161	Polymeric Nanoparticles Stabilized by Surfactants Investigated by Light Scattering, Small-Angle Neutron Scattering, and Cryo-TEM Methods. Journal of Dispersion Science and Technology, 2011, 32, 888-897.	2.4	8
162	SAXS Study of Sterically Stabilized Lipid Nanocarriers Functionalized by DNA. Journal of Physics: Conference Series, 2012, 351, 012004.	0.4	8

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