Petr Stepanek

List of Publications by Year in descending order

Source: https://exaly.com/author-pdf/7867226/publications.pdf

Version: 2024-02-01

231	5,379	93792	156644
papers	citations	39 h-index	58 g-index

237	237	237	6597
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Lipid Nanomaterials for Targeted Delivery of Dermocosmetic Ingredients: Advances in Photoprotection and Skin Anti-Aging. Nanomaterials, 2022, 12, 377.	1.9	15
2	Acute Pneumonia Caused by Clinically Isolated Legionella pneumophila Sg 1, ST 62: Host Responses and Pathologies in Mice. Microorganisms, 2022, 10, 179.	1.6	1
3	Polymer materials as promoters/inhibitors of amyloid fibril formation. Colloid and Polymer Science, 2021, 299, 343-362.	1.0	14
4	Does polysaccharide glycogen behave as a promoter of amyloid fibril formation at physiologically relevant concentrations?. Soft Matter, 2021, 17, 1628-1641.	1.2	5
5	Chemically modified glycogens: how they influence formation of amyloid fibrils?. Soft Matter, 2021, 17, 1614-1627.	1.2	2
6	Thermoresponsive properties of polyacrylamides in physiological solutions. Polymer Chemistry, 2021, 12, 5077-5084.	1.9	12
7	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.	4.8	32
8	Microfluidic-assisted synthesis of uniform polymer-stabilized silver colloids. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2021, 618, 126438.	2.3	4
9	Cashew Gum (Anacardium occidentale) as a Potential Source for the Production of Tocopherol-Loaded Nanoparticles: Formulation, Release Profile and Cytotoxicity. Applied Sciences (Switzerland), 2021, 11, 8467.	1.3	5
10	Synergy between the Assembly of Individual PEDOT Chains and Their Interaction with Light. Macromolecules, 2021, 54, 10321-10330.	2.2	4
11	Chelators for Treatment of Iron and Copper Overload: Shift from Low-Molecular-Weight Compounds to Polymers. Polymers, 2021, 13, 3969.	2.0	9
12	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.	2.2	13
13	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.	1.9	11
14	Head-To-Head Comparison of Biological Behavior of Biocompatible Polymers Poly(Ethylene Oxide), Poly(2-Ethyl-2-Oxazoline) and Poly[N-(2-Hydroxypropyl)Methacrylamide] as Coating Materials for Hydroxyapatite Nanoparticles in Animal Solid Tumor Model. Nanomaterials, 2020, 10, 1690.	1.9	7
15	ChelatingÂPolymers for Hereditary Hemochromatosis Treatment. Macromolecular Bioscience, 2020, 20, 2000254.	2.1	5
16	Effects of cashew gum and nanoparticles on cooled stallion semen. Acta Veterinaria Scandinavica, 2020, 62, 31.	0.5	5
17	Polyethylenimine based magnetic nanoparticles mediated non-viral CRISPR/Cas9 system for genome editing. Scientific Reports, 2020, 10, 4619.	1.6	64
18	Reactive Oxygen Species (ROS)-Responsive Polymersomes with Site-Specific Chemotherapeutic Delivery into Tumors via Spacer Design Chemistry. Biomacromolecules, 2020, 21, 1437-1449.	2.6	29

#	Article	IF	Citations
19	Dilute Solution Properties of Poly(benzyl methacrylate) in Ionic Liquids. Macromolecules, 2020, 53, 885-894.	2.2	12
20	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.	3.8	15
21	Paclitaxel-loaded biodegradable ROS-sensitive nanoparticles for cancer therapy . International Journal of Nanomedicine, 2019, Volume 14, 6269-6285.	3.3	19
22	Physicoâ€Chemical Properties as a Key Factor in Choosing Practically Applicable Biocompatible Polymers. Macromolecular Symposia, 2019, 386, 1800241.	0.4	1
23	Crosstalk between responsivities to various stimuli in multiresponsive polymers: change in polymer chain and external environment polarity as the key factor. Colloid and Polymer Science, 2019, 297, 1383-1401.	1.0	8
24	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.	2.6	14
25	Hybrid Î²-carrageenan-based polymers showing â€œschizophrenicâ€•lower and upper critical solution temperatures and potassium responsiveness. Carbohydrate Polymers, 2019, 210, 26-37.	5.1	12
26	Self-assembly and nanostructure of poly(vinyl alcohol)-graft-poly(methyl methacrylate) amphiphilic nanoparticles. Journal of Colloid and Interface Science, 2019, 553, 512-523.	5.0	21
27	Microfluidic-Assisted Engineering of Quasi-Monodisperse pH-Responsive Polymersomes toward Advanced Platforms for the Intracellular Delivery of Hydrophilic Therapeutics. Langmuir, 2019, 35, 8363-8372.	1.6	18
28	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.	2.5	11
29	Rifampicin Nanoformulation Enhances Treatment of Tuberculosis in Zebrafish. Biomacromolecules, 2019, 20, 1798-1815.	2.6	30
30	Biopolymer strategy for the treatment of Wilson's disease. Journal of Controlled Release, 2018, 273, 131-138.	4.8	12
31	Structural characterization of nanoparticles formed by fluorinated poly(2-oxazoline)-based polyphiles. European Polymer Journal, 2018, 99, 518-527.	2.6	11
32	Silica-based nanoparticles are efficient delivery systems for temoporfin. Photodiagnosis and Photodynamic Therapy, 2018, 21, 275-284.	1.3	18
33	Mannan-based conjugates as a multimodal imaging platform for lymph nodes. Journal of Materials Chemistry B, 2018, 6, 2584-2596.	2.9	12
34	Poly(ethylene oxide monomethyl ether)-<i>block</i>-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.	2.6	11
35	Distribution of Diffusion Times Determined by Fluorescence (Lifetime) Correlation Spectroscopy. Macromolecules, 2018, 51, 2796-2804.	2.2	5
36	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.	2.3	15

#	Article	IF	Citations
37	Structural changes on polymeric nanoparticles induced by hydrophobic drug entrapment. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2018, 538, 238-249.	2.3	13
38	I08â€...Nanoparticle based CRSIPR/CAS gene editing system to treat huntingtonâ€™s disease. , 2018, , .		0
39	Fluorophilicâ€“Lipophilicâ€“Hydrophilic Poly(2-oxazoline) Block Copolymers as MRI Contrast Agents: From Synthesis to Self-Assembly. Macromolecules, 2018, 51, 6047-6056.	2.2	18
40	Hybrid thermoresponsive graft constructs of fungal polysaccharide Î²-glucan: Physico-chemical and immunomodulatory properties. European Polymer Journal, 2018, 106, 118-127.	2.6	14
41	Interplay of Thermosensitivity and pH Sensitivity of Amphiphilic Blockâ€“Gradient Copolymers of Dimethylaminoethyl Acrylate and Styrene. Macromolecules, 2018, 51, 5219-5233.	2.2	19
42	¹⁹F Magnetic Resonance Imaging of Injectable Polymeric Implants with Multiresponsive Behavior. Chemistry of Materials, 2018, 30, 4892-4896.	3.2	22
43	Polyelectrolyte pH-Responsive Protein-Containing Nanoparticles: The Physicochemical Supramolecular Approach. Langmuir, 2017, 33, 764-772.	1.6	13
44	Self-assembled chitosan-alginate polyplex nanoparticles containing temoporfin. Colloid and Polymer Science, 2017, 295, 1259-1270.	1.0	14
45	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.	1.9	27
46	Curcumin-bortezomib loaded polymeric nanoparticles for synergistic cancer therapy. European Polymer Journal, 2017, 93, 116-131.	2.6	44
47	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.	4.8	12
48	Block and Gradient Copoly(2-oxazoline) Micelles: Strikingly Different on the Inside. Journal of Physical Chemistry Letters, 2017, 8, 3800-3804.	2.1	44
49	Carbon nanospecies affecting amyloid formation. RSC Advances, 2017, 7, 53887-53898.	1.7	11
50	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.	2.6	20
51	System with embedded drug release and nanoparticle degradation sensor showing efficient rifampicin delivery into macrophages. Nanomedicine: Nanotechnology, Biology, and Medicine, 2017, 13, 307-315.	1.7	38
52	Resolving Electronic Transitions in Synthetic Fluorescent Protein Chromophores by Magnetic Circular Dichroism. ChemPhysChem, 2016, 17, 2348-2354.	1.0	5
53	Double stimuli-responsive polymer systems: How to use crosstalk between pH- and thermosensitivity for drug depots. European Polymer Journal, 2016, 84, 54-64.	2.6	14
54	Modified glycogen as construction material for functional biomimetic microfibers. Carbohydrate Polymers, 2016, 152, 271-279.	5.1	10

#	Article	IF	Citations
55	Photoluminescent polysaccharide-coated germanium(IV) oxide nanoparticles. Colloid and Polymer Science, 2016, 294, 1225-1235.	1.0	14
56	Amphiphilic Gradient Copolymers: Synthesis and Self‐Assembly in AQUEOUS SOLUTION. , 2016, , 83-124.		1
57	Biomedical Application of Block Copolymers. , 2016, , 231-250.		1
58	Temoporfin-loaded 1-tetradecanol-based thermoresponsive solid lipid nanoparticles for photodynamic therapy. Journal of Controlled Release, 2016, 241, 34-44.	4.8	33
59	Thermodynamics of the multi-stage self-assembly of pH-sensitive gradient copolymers in aqueous solutions. Soft Matter, 2016, 12, 6788-6798.	1.2	13
60	Thermoresponsive Polymers for Nuclear Medicine: Which Polymer Is the Best?. Langmuir, 2016, 32, 6115-6122.	1.6	40
61	Morphology and Kinetics of Aggregation of Silver Nanoparticles Induced with Regioregular Cationic Polythiophene. Langmuir, 2016, 32, 2-11.	1.6	8
62	Fluorescent boronate-based polymer nanoparticles with reactive oxygen species (ROS)-triggered cargo release for drug-delivery applications. Nanoscale, 2016, 8, 6958-6963.	2.8	54
63	Efficient Condensation of DNA into Environmentally Responsive Polyplexes Produced from Block Catiomers Carrying Amine or Diamine Groups. Langmuir, 2016, 32, 577-586.	1.6	15
64	Supramolecular Structures and Self-Association Processes in Polymer Systems. Physiological Research, 2016, 65, S165-S178.	0.4	2
65	Biodegradable system for drug delivery of hydrolytically labile azanucleoside drugs. Biomedical Papers of the Medical Faculty of the University Palacký, Olomouc, Czechoslovakia, 2016, 160, 222-230.	0.2	2
66	Seven Years of Radionuclide Laboratory at IMC â€“ Important Achievements. Physiological Research, 2016, 65, S191-S201.	0.4	0
67	A Novel Nanoprobe for Multimodal Imaging Is Effectively Incorporated into Human Melanoma Metastatic Cell Lines. International Journal of Molecular Sciences, 2015, 16, 21658-21680.	1.8	10
68	Biocompatible succinic acid-based polyesters for potential biomedical applications: fungal biofilm inhibition and mesenchymal stem cell growth. RSC Advances, 2015, 5, 85756-85766.	1.7	14
69	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.	1.5	21
70	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.	5.0	14
71	Thermoresponsive polymer system based on poly(N-vinylcaprolactam) intended for local radiotherapy applications. Applied Radiation and Isotopes, 2015, 98, 7-12.	0.7	9
72	Smart polymers in drug delivery systems on crossroads: Which way deserves following?. European Polymer Journal, 2015, 65, 82-97.	2.6	111

#	Article	IF	Citations
73	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.	1.8	13
74	Effect of Temperature on Self-Assembly of Amphiphilic Block-Gradient Copolymers of Styrene and Acrylic Acid. Macromolecular Symposia, 2015, 348, 25-32.	0.4	6
75	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.	1.9	31
76	Modified hydroxyethyl starch protects cells from oxidative damage. Carbohydrate Polymers, 2015, 134, 314-323.	5.1	10
77	Supramolecular self-assembly of novel thermo-responsive double-hydrophilic and hydrophobic Y-shaped [MPEO-b-PEtOx-b-(PCL)₂] terpolymers. RSC Advances, 2015, 5, 62844-62854.	1.7	6
78	Salt-Induced Changes in Triblock Polyampholyte Hydrogels: Computer Simulations and Rheological, Structural, and Dynamic Characterization. Macromolecules, 2015, 48, 8177-8189.	2.2	20
79	Abstract 5195: A novel, multimodal theranostic nanoprobe is effectively incorporated into melanoma brain metastatic cells. , 2015, , .		0
80	Glycogen-graft-poly(2-alkyl-2-oxazolines) â€“ the new versatile biopolymer-based thermoresponsive macromolecular toolbox. RSC Advances, 2014, 4, 61580-61588.	1.7	22
81	Chelating polymeric beads as potential therapeutics for Wilsonâ€™s disease. European Journal of Pharmaceutical Sciences, 2014, 62, 1-7.	1.9	9
82	Self-association of bee propolis: effects on pharmaceutical applications. Journal of Pharmaceutical Investigation, 2014, 44, 15-22.	2.7	3
83	Stimuli-Responsive Spherical Brushes Based on <scp>D</scp> -Galactopyranose and 2-(Dimethylamino)ethyl Methacrylate. Macromolecular Bioscience, 2014, 14, 81-91.	2.1	20
84	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.	1.9	29
85	Self-Assembly Thermodynamics of pH-Responsive Amino-Acid-Based Polymers with a Nonionic Surfactant. Langmuir, 2014, 30, 11307-11318.	1.6	15
86	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.	1.2	25
87	Novel thermosensitive telechelic PEGs with antioxidant activity: synthesis, molecular properties and conformational behaviour. RSC Advances, 2014, 4, 41763-41771.	1.7	17
88	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.	1.3	21
89	Understanding the Structural Parameters of Biocompatible Nanoparticles Dictating Protein Fouling. Langmuir, 2014, 30, 9770-9779.	1.6	25
90	Creation of lateral structures in diblock copolymer thin films during vapor uptake and subsequent drying â€“ Effect of film thickness. European Polymer Journal, 2014, 50, 87-96.	2.6	7

#	Article	IF	Citations
91	Multicompartment Lipid Cubic Nanoparticles with High Protein Upload: Millisecond Dynamics of Formation. ACS Nano, 2014, 8, 5216-5226.	7.3	136
92	Biopolymer-based degradable nanofibres from renewable resources produced by freeze-drying. RSC Advances, 2013, 3, 15282.	1.7	15
93	Chelating polymeric particles intended for the therapy of Wilsonâ€™s disease. Reactive and Functional Polymers, 2013, 73, 1426-1431.	2.0	8
94	Hydrolytically Degradable Polymer Micelles for Drug Delivery: A SAXS/SANS Kinetic Study. Biomacromolecules, 2013, 14, 4061-4070.	2.6	39
95	Physicochemical aspects behind the size of biodegradable polymeric nanoparticles: A step forward. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2013, 436, 1092-1102.	2.3	49
96	Critical behavior of nanoparticle-containing binary liquid mixtures. Physical Chemistry Chemical Physics, 2013, 15, 5831.	1.3	3
97	Communication: Fullerene resolution by the magnetic circular dichroism. Journal of Chemical Physics, 2013, 138, 151103.	1.2	19
98	Computation of magnetic circular dichroism by sumâ€overâ€states summations. Journal of Computational Chemistry, 2013, 34, 1531-1539.	1.5	31
99	DNA/Fusogenic Lipid Nanocarrier Assembly: Millisecond Structural Dynamics. Journal of Physical Chemistry Letters, 2013, 4, 1959-1964.	2.1	86
100	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.	4.8	57
101	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.	2.0	11
102	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.	1.9	18
103	Collective polyelectrolyte diffusion as a function of counterion size and dielectric constant. Polymer International, 2013, 62, 1271-1276.	1.6	8
104	Temperatureâ€Induced Formation of Polymeric Nanoparticles: In Situ SAXS and QENS Experiments. Macromolecular Chemistry and Physics, 2013, 214, 2841-2847.	1.1	13
105	Characterization of electrophoretic suspension for thin polymer film deposition. Journal of Physics: Conference Series, 2012, 356, 012040.	0.3	0
106	SAXS Study of Sterically Stabilized Lipid Nanocarriers Functionalized by DNA. Journal of Physics: Conference Series, 2012, 351, 012004.	0.3	8
107	Porphyrin Protonation Studied by Magnetic Circular Dichroism. Journal of Physical Chemistry A, 2012, 116, 778-783.	1.1	32
108	Glycogen as a Biodegradable Construction Nanomaterial for in vivo Use. Macromolecular Bioscience, 2012, 12, 1731-1738.	2.1	25

#	Article	IF	Citations
109	Selfâ€Assembled Polymeric Chelate Nanoparticles as Potential Theranostic Agents. ChemPhysChem, 2012, 13, 4244-4250.	1.0	4
110	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.	2.6	51
111	Self-assembly of biodegradable copolyester and reactive HPMA-based polymers into nanoparticles as an alternative stealth drug delivery system. Soft Matter, 2012, 8, 9563.	1.2	35
112	Novel â€œsoftâ€•biodegradable nanoparticles prepared from aliphatic based monomers as a potential drug delivery system. Soft Matter, 2012, 8, 4343.	1.2	51
113	Light scattering evidence of selective protein fouling on biocompatible block copolymer micelles. Nanoscale, 2012, 4, 4504.	2.8	27
114	Earliest Stage of the Tetrahedral Nanochannel Formation in Cubosome Particles from Unilamellar Nanovesicles. Langmuir, 2012, 28, 16647-16655.	1.6	68
115	Thermoresponsive Nanoparticles Based on Poly(2â€alkylâ€2â€Oxazolines) and Pluronic F127. Macromolecular Rapid Communications, 2012, 33, 1683-1689.	2.0	19
116	Synthesis and pH- and salinity-controlled self-assembly of novel amphiphilic block-gradient copolymers of styrene and acrylic acid. Soft Matter, 2012, 8, 7649.	1.2	72
117	Polymeric Nanoparticles Stabilized by Surfactants: Kinetic Studies. Journal of Dispersion Science and Technology, 2011, 32, 1105-1110.	1.3	2
118	pH-triggered reversible solâ€“gel transition in aqueous solutions of amphiphilic gradient copolymers. Soft Matter, 2011, 7, 10824.	1.2	63
119	pH-triggered block copolymer micelles based on a pH-responsive PDPA (poly[2-(diisopropylamino)ethyl) Tj ETQq1 1 0.784314 rgBT /Ove cancer therapy. Soft Matter, 2011, 7, 9316.	1.2	77
120	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.	1.3	8
121	Topology and internal structure of PEGylated lipid nanocarriers for neuronal transfection: synchrotron radiation SAXS and cryo-TEM studies. Soft Matter, 2011, 7, 9714.	1.2	54
122	Molecular properties of hybrid macromolecular antioxidants: Dextran hydrophobically modified by sterically hindered phenols. European Physical Journal E, 2011, 34, 123.	0.7	6
123	Novel Polymeric Nanoparticles Assembled by Metal Ion Addition. Macromolecular Chemistry and Physics, 2011, 212, 2339-2348.	1.1	11
124	Polymeric nanocapsules ultra stable in complex biological media. Colloids and Surfaces B: Biointerfaces, 2011, 83, 376-381.	2.5	39
125	Behavior of polyelectrolyte solutions in a wide range of solvent dielectric constant. European Polymer Journal, 2011, 47, 1410-1415.	2.6	7
126	Effect of Hydrophobic Interactions on Properties and Stability of DNAâ^'Polyelectrolyte Complexes. Langmuir, 2010, 26, 4999-5006.	1.6	37

#	Article	IF	Citations
127	Brightly Luminescent Organically Capped Silicon Nanocrystals Fabricated at Room Temperature and Atmospheric Pressure. ACS Nano, 2010, 4, 4495-4504.	7.3	161
128	Structure of self-organized diblock copolymer solutions in partially miscible solvents. Physical Chemistry Chemical Physics, 2010, 12, 2944.	1.3	2
129	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.	2.6	23
130	Synthesis and quaternization of nitroxide-terminated poly(4-vinylpyridine-co-acrylonitrile) macroinitiators and related diblock copolymers. E-Polymers, 2010, 10, .	1.3	3
131	Structure of Micelles Formed by Highly Asymmetric Polystyrene-b-Polydimethylsiloxane and Polystyrene-b-poly[5-(N,N-diethylamino)isoprene] Diblock Copolymers. Langmuir, 2010, 26, 14494-14501.	1.6	4
132	pH Sensitive Polymer Nanoparticles: Effect of Hydrophobicity on Self-Assembly. Langmuir, 2010, 26, 14450-14457.	1.6	26
133	Cubic to Hexagonal Phase Transition Induced by Electric Field. Macromolecules, 2010, 43, 4261-4267.	2.2	19
134	Dilute solutions and phase behavior of polydisperse A-b-(A-co-B) diblock copolymers. Polymer, 2009, 50, 2451-2459.	1.8	20
135	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.	2.6	23
136	Hybrid Polymeric Micelles Based on Poly(styrene-b-2-vinyl-1-methylpyridinium iodide-b-ethylene oxide) and Tungstate. Polymer Journal, 2009, 41, 492-497.	1.3	2
137	Internal Structural Characterization of Triblock Copolymer Micelles with Looped Corona Chains. Langmuir, 2009, 25, 3487-3493.	1.6	17
138	Dynamics of PMMAâ^'PHSA Hard Spheres under External Electric Field at Low Temperatures: a Singular Dynamic Light Scattering Experiment. Macromolecules, 2009, 42, 3818-3822.	2.2	4
139	The Collapse of Hydrodynamic Radii In Pluronic Pe6400 Micelles In Vicinity of Supramolecular Transition: Dynamic Light Scattering, Heat Capacity and Sound Velocity Measurements. NATO Science for Peace and Security Series B: Physics and Biophysics, 2009, , 137-142.	0.2	0
140	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.	1.6	51
141	Investigation of Nanoparticle Coating by Fluorescence Correlation Spectroscopy. Macromolecular Chemistry and Physics, 2008, 209, 1447-1453.	1.1	5
142	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.	2.6	29
143	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.	2.6	36
144	Aggregation of dextran hydrophobically modified by sterically-hindered phenols in aqueous solutions: Aggregates vs. single molecules. European Polymer Journal, 2008, 44, 3361-3369.	2.6	27

#	Article	IF	Citations
145	Novel pH-Responsive Nanoparticles. Langmuir, 2008, 24, 9295-9301.	1.6	52
146	Coating of Vesicles with Hydrophilic Reactive Polymers. Langmuir, 2008, 24, 7092-7098.	1.6	26
147	Micelles of a Diblock Copolymer of Styrene and Ethylene Oxide in Mixtures of 2,6-Lutidine and Water. Langmuir, 2008, 24, 13863-13865.	1.6	5
148	Complex Structure and Dynamics of Diblock Copolymers in a Mixture of Partially Miscible Solvents. AIP Conference Proceedings, 2008, , .	0.3	0
149	Three-Dimensional Analysis of Dynamic Light Scattering Data: Application to Self-Organized Polymer Solutions. International Journal of Polymer Analysis and Characterization, 2007, 12, 3-12.	0.9	4
150	A Dynamic Light Scattering Study of Fast Relaxations in Polymer Solutions. Macromolecules, 2007, 40, 2165-2171.	2.2	21
151	Synthesis of diblock copolymers comprising poly(2-vinylpyridine-co-acrylonitrile) and polystyrene blocks by nitroxide-mediated radical polymerization. Journal of Applied Polymer Science, 2007, 105, 1616-1622.	1.3	7
152	Surface patterns of block copolymers in thin layers after vapor treatment. European Polymer Journal, 2007, 43, 1144-1153.	2.6	9
153	Morphological studies and ionic transport properties of partially sulfonated diblock copolymers. European Polymer Journal, 2006, 42, 2486-2496.	2.6	23
154	USANS investigations of solutions of diblock copolymers in partially miscible solvents. Physica B: Condensed Matter, 2006, 385-386, 762-765.	1.3	4
155	Synthesis of highly sulfonated polystyrene-based block copolymers soluble in tetrahydrofuran. E-Polymers, 2006, 6, .	1.3	5
156	Fast internal dynamics in polyelectrolyte gels measured by dynamic light scattering. Polymer Bulletin, 2005, 54, 335-342.	1.7	5
157	Small-Angle Neutron Scattering from Solutions of Diblock Copolymers in Partially Miscible Solventsâ€. Macromolecules, 2005, 38, 3426-3431.	2.2	11
158	Collective dynamics and self-diffusion in a diblock copolymer melt in the body-centered cubic phase. European Physical Journal E, 2004, 15, 359-70.	0.7	6
159	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.	1.0	69
160	New fast method for determination of number of UHMWPE wear particles. Journal of Materials Science: Materials in Medicine, 2004, 15, 1267-1278.	1.7	19
161	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.	1.2	10
162	A pulsed field gradient nuclear magnetic resonance study of a ternary homopolymer/diblock copolymer blend in the bicontinuous microemulsion phase. Journal of Chemical Physics, 2002, 117, 396-406.	1.2	5

#	Article	IF	Citations
163	Undulation Properties of the Lamellar Phase of a Diblock Copolymer:Â SAXS Experiments. Macromolecules, 2002, 35, 7287-7292.	2.2	9
164	Cascade of Coil-Globule Conformational Transitions of Single Flexible Polyelectrolyte Molecules in Poor Solvent. Journal of the American Chemical Society, 2002, 124, 13454-13462.	6.6	164
165	Critical phenomena in binary and ternary polymer blends. Physica A: Statistical Mechanics and Its Applications, 2002, 314, 411-418.	1.2	16
166	Dynamic Light Scattering from the Oriented Lamellar State of Diblock Copolymers:Â The Undulation Mode. Macromolecules, 2001, 34, 1090-1095.	2.2	11
167	Supramolecular Structures of Low-Molecular-Weight Polybutadienes, as Studied by Dynamic Light Scattering, NMR and Infrared Spectroscopy. Macromolecules, 2001, 34, 9023-9031.	2.2	11
168	Influence of salts on dynamic properties of drag reducing surfactants. Journal of Non-Newtonian Fluid Mechanics, 2001, 97, 251-266.	1.0	13
169	Self-Diffusion in a Lamellar and Gyroid (Ordered) Diblock Copolymer Investigated Using Pulsed Field Gradient NMR. Macromolecules, 2001, 34, 868-873.	2.2	15
170	Static and dynamic scattering from ternary polymer blends: Bicontinuous microemulsions, Lifshitz lines, and amphiphilicity. Journal of Chemical Physics, 2001, 114, 7247-7259.	1.2	79
171	A Time-Resolved Low-Angle Light Scattering Apparatus. Application to Phase Separation Problems in Polymer Systems. Collection of Czechoslovak Chemical Communications, 2001, 66, 973-982.	1.0	5
172	Global Analysis of Correlation Functions: Dynamic Light Scattering from Polymers and Block Copolymers. Macromolecular Symposia, 2000, 162, 191-203.	0.4	6
173	The influence of the morphology on the dynamics in ordered diblock copolymer melts. Macromolecular Symposia, 2000, 162, 275-290.	0.4	6
174	The bulk dynamics of a compositionally asymmetric diblock copolymer studied using dynamic light scattering. European Physical Journal E, 2000, 1, 275.	0.7	12
175	Dynamic light scattering from ternary polymer blends: critical behavior and bicontinuous microemulsions. Macromolecular Symposia, 2000, 149, 107-112.	0.4	2
176	Effect of pressure on the side-chain crystallization of poly(n-octadecyl methacrylate) studied by dielectric spectroscopy. Physical Review B, 2000, 62, 14012-14019.	1.1	63
177	Self-diffusion of an asymmetric diblock copolymer above and below the order-to-disorder transition temperature. Journal of Chemical Physics, 1999, 111, 2789-2796.	1.2	15
178	Unexpected phase behavior of an asymmetric diblock copolymer. Journal of Chemical Physics, 1999, 111, 4319-4326.	1.2	11
179	Time-Resolved Small-Angle Light Scattering Apparatus. Particle and Particle Systems Characterization, 1999, 16, 102-105.	1.2	5
180	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.	1.3	19

#	Article	IF	Citations
181	Anisotropic Self-Diffusion in a Hexagonally Ordered Asymmetric PEPâ^'PDMS Diblock Copolymer Studied by Pulsed Field Gradient NMR. Macromolecules, 1999, 32, 5872-5877.	2.2	22
182	Dynamics of ternary polymer blends: Disordered, ordered and bicontinuous microemulsion phases. Faraday Discussions, 1999, 112, 335-350.	1.6	48
183	Self-Diffusion of a Symmetric PEPâ^'PDMS Diblock Copolymer above and below the Disorder-to-Order Transition. Macromolecules, 1999, 32, 1956-1961.	2.2	23
184	Multiple Relaxations of Concentration Fluctuations in Entangled Polymer Solutions. Macromolecules, 1998, 31, 1889-1897.	2.2	41
185	Structure and Dynamics of Poly(n-decyl methacrylate) below and above the Glass Transition. Macromolecules, 1998, 31, 6951-6957.	2.2	102
186	Micellar size of drag reducing cationic surfactants. Colloid and Polymer Science, 1997, 275, 254-262.	1.0	16
187	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.	2.4	14
188	Polarized and depolarized dynamic light scattering from a block copolymer melt. Journal of Polymer Science, Part B: Polymer Physics, 1997, 35, 1643-1648.	2.4	21
189	Dynamic Light Scattering from Block Copolymers. , 1997, , 189-207.		2
190	Dynamic Light Scattering from Block Copolymer Melts near the Orderâ^'Disorder Transition. Macromolecules, 1996, 29, 1244-1251.	2.2	49
191	Relaxation of Concentration Fluctuations in a Shear Field. Macromolecules, 1996, 29, 8888-8893.	2.2	24
192	Global Analysis of Dynamic Light Scattering Autocorrelation Functions. Particle and Particle Systems Characterization, 1996, 13, 291-294.	1.2	68
193	Dynamic Light Scattering from Block Copolymer Solutions under the Zero Average Contrast Condition. Macromolecules, 1995, 28, 3221-3229.	2.2	39
194	Phase Separation in Concentrated Solutions of Two Homopolymers and a Diblock Copolymer. Macromolecules, 1995, 28, 2852-2857.	2.2	2
195	Dynamics of the "Strong" Polymer of n-Lauryl Methacrylate below and above the Glass Transition. Macromolecules, 1995, 28, 6799-6807.	2.2	71
196	Dynamic Light Scattering from Dilute, Semidilute, and Concentrated Block Copolymer Solutions. Macromolecules, 1995, 28, 1643-1653.	2.2	60
197	Dynamic Light Scattering from Polymer Solutions: The Subtraction Technique. Collection of Czechoslovak Chemical Communications, 1995, 60, 1941-1949.	1.0	17
198	Viscoelastic relaxation in semidilute and concentrated polymer solutions. [Erratum to document cited in CA119(24):251071u]. Macromolecules, 1994, 27, 2364-2364.	2.2	0

#	Article	IF	Citations
199	Reply to Comments on "Viscoelastic Relaxation in Semidilute and Concentrated Polymer Solutions". Macromolecules, 1994, 27, 4842-4844.	2.2	4
200	Static and dynamic properties of multiple light scattering. Journal of Chemical Physics, 1993, 99, 6384-6393.	1.2	32
201	Viscoelastic relaxation in semidilute and concentrated polymer solutions. Macromolecules, 1993, 26, 6884-6890.	2.2	33
202	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.	2.2	12
203	Dynamic light scattering from microstructured block copolymer solutions. Macromolecules, 1991, 24, 6227-6230.	2.2	45
204	Dynamic behavior in poly(vinyl acetate) gels and solutions. Macromolecules, 1991, 24, 3201-3205.	2.2	6
205	Dynamic behavior in concentrated polymer solutions. Macromolecules, 1991, 24, 5484-5486.	2.2	5
206	Dynamic light scattering from strongly interacting multicomponent systems: salt-free polyelectrolyte solutions. , 1991, , .		0
207	Critical dynamics of polymer blends. Journal of Chemical Physics, 1991, 94, 8289-8301.	1.2	64
208	Positive exponential sum method of inverting Laplace transform applied to photon correlation spectroscopy. European Physical Journal D, 1990, 40, 972-983.	0.4	13
209	Static and dynamic crossover in a critical polymer mixture. Physical Review Letters, 1990, 65, 1893-1896.	2.9	137
210	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.	1.8	55
211	Influence of temperature on polyelectrolyte dynamics: partially neutralized solutions of poly(methacrylic acid). Polymer, 1990, 31, 253-257.	1.8	16
212	Relaxation time distributions of entangled polymer solutions from dynamic light scattering and dynamic mechanical measurements. Macromolecules, 1990, 23, 357-359.	2.2	22
213	Dynamic behavior of .THETA. solutions of polystyrene investigated by dynamic light scattering. Macromolecules, 1990, 23, 1165-1174.	2.2	86
214	Distribution of relaxation times from quasi-elastic light-scattering experiments: high molecular weight polystyrene in cyclopentane at .theta. conditions. Macromolecules, 1988, 21, 2859-2865.	2.2	28
215	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.	2.2	37
216	Evaluation of polydispersity index Mw/Mn by quasielastic light scattering. Collection of Czechoslovak Chemical Communications, 1987, 52, 1235-1245.	1.0	5

#	Article	IF	Citations
217	Semidilute solutions of poly(methacrylic acid) in the absence of salt: Dynamic light-scattering study. Polymer, 1987, 28, 873-880.	1.8	100
218	Light scattering from dilute solutions of critically branched epoxy resins. Polymer Bulletin, 1987, 18, 329-336.	1.7	4
219	Dynamic light scattering measurements on the polystyrene/ethyl acetate system at semi-dilute concentrations as a function of temperature. Polymer Bulletin, 1987, 18, 175-182.	1.7	6
220	Quasielastic light scattering from poly(styrene)-dibutyl phthalate solutions. Collection of Czechoslovak Chemical Communications, 1987, 52, 1246-1255.	1.0	1
221	Quasielastic light scattering from semidilute solutions in Î¸-solvent: Distribution functions of decay times. Polymer Bulletin, 1986, 16, 67-73.	1.7	15
222	Block copolymer micelles near critical conditions. Journal of Colloid and Interface Science, 1985, 105, 372-377.	5.0	24
223	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
224	Interaction between block copolymer micelles in solution. , 1985, , 15-19.		21
225	On the photon statistics of light scattered by a small number of particles. European Physical Journal D, 1984, 34, 862-869.	0.4	0
226	Quasielastic light scattering from polymers, colloids and gels. Advances in Colloid and Interface Science, 1984, 21, 195-274.	7.0	44
227	Osmotic compressibility measurements on semidilute polystyrene-cyclohexane solutions. Macromolecules, 1984, 17, 2340-2343.	2.2	33
228	Coil-globule transition of a single polystyrene chain in dioctyl phthalate. Macromolecules, 1982, 15, 1214-1216.	2.2	30
229	Determination of Decay Times from Photocount Statistics of Weak Modulated Luminescence Radiation. Optica Acta, 1982, 29, 1105-1116.	0.7	2
230	Intensity and Anisotropy of the Dynamic Ligh Scattering in Nematic Liquid Crystals. Molecular Crystals and Liquid Crystals, 1977, 43, 197-202.	0.9	1
231	Polymeric Nanoparticles Stabilized by Surfactants: Controlled Phase Separation Approach. , 0, , .		0