

Robert K Prud'homme

List of Publications by Year in descending order

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284
papers

25,201
citations

17405

63
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7136

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285
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285
docs citations

285
times ranked

28370
citing authors

#	ARTICLE	IF	CITATIONS
1	Raman Spectra of Graphite Oxide and Functionalized Graphene Sheets. <i>Nano Letters</i> , 2008, 8, 36-41.	4.5	3,995
2	Single Sheet Functionalized Graphene by Oxidation and Thermal Expansion of Graphite. <i>Chemistry of Materials</i> , 2007, 19, 4396-4404.	3.2	3,276
3	Functionalized Single Graphene Sheets Derived from Splitting Graphite Oxide. <i>Journal of Physical Chemistry B</i> , 2006, 110, 8535-8539.	1.2	3,173
4	Review of Long-Wavelength Optical and NIR Imaging Materials: Contrast Agents, Fluorophores, and Multifunctional Nano Carriers. <i>Chemistry of Materials</i> , 2012, 24, 812-827.	3.2	605
5	Chemical processing and micromixing in confined impinging jets. <i>AIChE Journal</i> , 2003, 49, 2264-2282.	1.8	531
6	Oxygen-Driven Unzipping of Graphitic Materials. <i>Physical Review Letters</i> , 2006, 96, 176101.	2.9	524
7	Wall Slip Corrections for Couette and Parallel Disk Viscometers. <i>Journal of Rheology</i> , 1988, 32, 53-67.	1.3	484
8	Flash NanoPrecipitation of Organic Actives and Block Copolymers using a Confined Impinging Jets Mixer. <i>Australian Journal of Chemistry</i> , 2003, 56, 1021.	0.5	357
9	Mechanism for Rapid Self-Assembly of Block Copolymer Nanoparticles. <i>Physical Review Letters</i> , 2003, 91, 118302.	2.9	340
10	Mixing in a multi-inlet vortex mixer (MIVM) for flash nano-precipitation. <i>Chemical Engineering Science</i> , 2008, 63, 2829-2842.	1.9	319
11	Controlling drug nanoparticle formation by rapid precipitation. <i>Advanced Drug Delivery Reviews</i> , 2011, 63, 417-426.	6.6	317
12	Structure and Rheology Studies of Poly(oxyethylene- <i>co</i> -oxypropylene- <i>co</i> -oxyethylene) Aqueous Solution. <i>Langmuir</i> , 1996, 12, 4651-4659.	1.6	271
13	Principles of nanoparticle formation by flash nanoprecipitation. <i>Nano Today</i> , 2016, 11, 212-227.	6.2	266
14	Multifunctional nanoparticles for imaging, delivery and targeting in cancer therapy. <i>Expert Opinion on Drug Delivery</i> , 2009, 6, 865-878.	2.4	263
15	Cure depth in photopolymerization: Experiments and theory. <i>Journal of Materials Research</i> , 2001, 16, 3536-3544.	1.2	243
16	Intercalation and Stitching of Graphite Oxide with Diaminoalkanes. <i>Langmuir</i> , 2007, 23, 10644-10649.	1.6	234
17	Bending Properties of Single Functionalized Graphene Sheets Probed by Atomic Force Microscopy. <i>ACS Nano</i> , 2008, 2, 2577-2584.	7.3	187
18	Ostwald Ripening of β -Carotene Nanoparticles. <i>Physical Review Letters</i> , 2007, 98, 036102.	2.9	182

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19	Pegylated Composite Nanoparticles Containing Upconverting Phosphors and <i>meso</i> -Tetraphenyl porphine (TPP) for Photodynamic Therapy. <i>Advanced Functional Materials</i> , 2011, 21, 2488-2495.	7.8	172
20	Stabilized polymeric nanoparticles for controlled and efficient release of bifenthrin. <i>Pest Management Science</i> , 2008, 64, 808-812.	1.7	167
21	Composite Block Copolymer Stabilized Nanoparticles: Simultaneous Encapsulation of Organic Actives and Inorganic Nanostructures. <i>Langmuir</i> , 2008, 24, 83-90.	1.6	161
22	Flash nanoprecipitation of polystyrene nanoparticles. <i>Soft Matter</i> , 2012, 8, 86-93.	1.2	161
23	Rheology of guar and (hydroxypropyl) guar crosslinked by borate. <i>Macromolecules</i> , 1992, 25, 2026-2032.	2.2	157
24	A Comparison of Techniques for Measuring Yield Stresses. <i>Journal of Rheology</i> , 1987, 31, 699-710.	1.3	140
25	Generic Method of Preparing Multifunctional Fluorescent Nanoparticles Using Flash NanoPrecipitation. <i>Advanced Functional Materials</i> , 2009, 19, 718-725.	7.8	137
26	Synthesis of Stable Block-Copolymer-Protected NaYF ₄ :Yb ³⁺ , Er ³⁺ Up-Converting Phosphor Nanoparticles. <i>Chemistry of Materials</i> , 2010, 22, 311-318.	3.2	137
27	Hydrophobic ion pairing: encapsulating small molecules, peptides, and proteins into nanocarriers. <i>Nanoscale Advances</i> , 2019, 1, 4207-4237.	2.2	135
28	Characterization and Intermolecular Interactions of Hydroxypropyl Guar Solutions. <i>Biomacromolecules</i> , 2002, 3, 456-461.	2.6	132
29	Nanofabricated upconversion nanoparticles for photodynamic therapy. <i>Optics Express</i> , 2009, 17, 80.	1.7	132
30	Polymeric nanoparticles and microparticles for the delivery of peptides, biologics, and soluble therapeutics. <i>Journal of Controlled Release</i> , 2015, 219, 519-535.	4.8	129
31	Diffusion of Mesoscopic Probes in Aqueous Polymer Solutions Measured by Fluorescence Recovery after Photobleaching. <i>Macromolecules</i> , 2002, 35, 8111-8121.	2.2	118
32	Modulating the Therapeutic Activity of Nanoparticle Delivered Paclitaxel by Manipulating the Hydrophobicity of Prodrug Conjugates. <i>Journal of Medicinal Chemistry</i> , 2008, 51, 3288-3296.	2.9	112
33	Interaction of Paraffin Wax Gels with Random Crystalline/Amorphous Hydrocarbon Copolymers. <i>Macromolecules</i> , 2002, 35, 7044-7053.	2.2	110
34	Interaction of Paraffin Wax Gels with Ethylene/Vinyl Acetate Co-polymers. <i>Energy & Fuels</i> , 2005, 19, 138-144.	2.5	108
35	Interactions between Hydrophobically Modified Polymers and Surfactants: A Fluorescence Study. <i>Langmuir</i> , 2002, 18, 3860-3864.	1.6	105
36	Effects of process conditions on crystals obtained from supercritical mixtures. <i>AIChE Journal</i> , 1989, 35, 325-328.	1.8	104

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37	Preparation of Poly(ethylene glycol) Protected Nanoparticles with Variable Bioconjugate Ligand Density. <i>Biomacromolecules</i> , 2008, 9, 2705-2711.	2.6	104
38	Self-assembling process of flash nanoprecipitation in a multi-inlet vortex mixer to produce drug-loaded polymeric nanoparticles. <i>Journal of Nanoparticle Research</i> , 2011, 13, 4109-4120.	0.8	101
39	Sugar-based amphiphilic nanoparticles arrest atherosclerosis in vivo. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015, 112, 2693-2698.	3.3	101
40	Rheology of hydrophobically modified polymers with spherical and rod-like surfactant micelles. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 1999, 147, 3-15.	2.3	100
41	Preparation and characterization of molecular weight fractions of guar galactomannans using acid and enzymatic hydrolysis. <i>International Journal of Biological Macromolecules</i> , 2002, 31, 29-35.	3.6	95
42	Strain-induced crystallization and mechanical properties of functionalized graphene sheet-filled natural rubber. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 2012, 50, 718-723.	2.4	94
43	Nanocarriers from GRAS Zein Proteins to Encapsulate Hydrophobic Actives. <i>Biomacromolecules</i> , 2016, 17, 3828-3837.	2.6	94
44	Formulation and Stability of Itraconazole and Odanacatib Nanoparticles: Governing Physical Parameters. <i>Molecular Pharmaceutics</i> , 2009, 6, 1118-1124.	2.3	89
45	Multifunctional elastomer nanocomposites with functionalized graphene single sheets. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 2012, 50, 910-916.	2.4	88
46	Enzymatic Degradation of Guar and Substituted Guar Galactomannans. <i>Biomacromolecules</i> , 2000, 1, 782-788.	2.6	87
47	Novel Associative Polymer Networks Based on Cyclodextrin Inclusion Compounds. <i>Macromolecules</i> , 2005, 38, 3037-3040.	2.2	86
48	Rheology and Adhesion of Poly(acrylic acid)/Laponite Nanocomposite Hydrogels as Biocompatible Adhesives. <i>Langmuir</i> , 2014, 30, 1636-1642.	1.6	86
49	Elongational Flow of Solutions of Rodlike Micelles. <i>Langmuir</i> , 1994, 10, 3419-3426.	1.6	85
50	Stabilization of the Nitric Oxide (NO) Prodrugs and Anticancer Leads, PABA/NO and Double JS-K, through Incorporation into PEG-Protected Nanoparticles. <i>Molecular Pharmaceutics</i> , 2010, 7, 291-298.	2.3	84
51	Controlling and Predicting Nanoparticle Formation by Block Copolymer Directed Rapid Precipitations. <i>Nano Letters</i> , 2018, 18, 1139-1144.	4.5	84
52	Nanoparticles as delivery vehicles for sunscreen agents. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2012, 396, 122-129.	2.3	82
53	Effects of block copolymer properties on nanocarrier protection from in vivo clearance. <i>Journal of Controlled Release</i> , 2012, 162, 208-217.	4.8	81
54	Formation of Stable Nanocarriers by <i>in Situ</i> Ion Pairing during Block-Copolymer-Directed Rapid Precipitation. <i>Molecular Pharmaceutics</i> , 2013, 10, 319-328.	2.3	80

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55	Polymer Networks Assembled by Host-Guest Inclusion between Adamantyl and β -Cyclodextrin Substituents on Poly(acrylic acid) in Aqueous Solution. <i>Macromolecules</i> , 2008, 41, 8677-8681.	2.2	79
56	Formation of Block Copolymer-Protected Nanoparticles via Reactive Impingement Mixing. <i>Langmuir</i> , 2007, 23, 10499-10504.	1.6	77
57	Laminar compressible flow in a tube. <i>Flow, Turbulence and Combustion</i> , 1986, 43, 67-74.	0.2	76
58	Rheology of Self-Associating Concentrated Xanthan Solutions. <i>Journal of Rheology</i> , 1984, 28, 367-379.	1.3	71
59	Synthesis of a novel hydrogel based on a coordinate covalent polymer network. <i>Journal of the American Chemical Society</i> , 1993, 115, 2661-2665.	6.6	68
60	Enhanced dissolution of inhalable cyclosporine nano-matrix particles with mannitol as matrix former. <i>International Journal of Pharmaceutics</i> , 2011, 420, 34-42.	2.6	67
61	Optimization of cell receptor-specific targeting through multivalent surface decoration of polymeric nanocarriers. <i>Journal of Controlled Release</i> , 2013, 168, 41-49.	4.8	67
62	An off-the-shelf capillary microfluidic device that enables tuning of the droplet breakup regime at constant flow rates. <i>Lab on A Chip</i> , 2013, 13, 4507.	3.1	67
63	Crystallization of Mixed Paraffin from Model Waxy Oils and the Influence of Micro-crystalline Poly(ethylene-butene) Random Copolymers. <i>Energy & Fuels</i> , 2004, 18, 930-937.	2.5	66
64	Effect of Comb-type Copolymers with Various Pendants on Flow Ability of Heavy Crude Oil. <i>Industrial & Engineering Chemistry Research</i> , 2015, 54, 5204-5212.	1.8	66
65	Rapid Production of Internally Structured Colloids by Flash Nanoprecipitation of Block Copolymer Blends. <i>ACS Nano</i> , 2018, 12, 4660-4668.	7.3	65
66	Wall Slip Effects on Dynamic Oscillatory Measurements. <i>Journal of Rheology</i> , 1988, 32, 575-584.	1.3	64
67	Crystallization of Long-Chain Paraffins from Solutions and Melts As Observed by Differential Scanning Calorimetry. <i>Macromolecules</i> , 2004, 37, 5638-5645.	2.2	64
68	Constant size, variable density aerosol particles by ultrasonic spray freeze drying. <i>International Journal of Pharmaceutics</i> , 2012, 427, 185-191.	2.6	63
69	pH triggered release of protective poly(ethylene glycol)-b-polycation copolymers from liposomes. <i>Biomaterials</i> , 2006, 27, 2599-2608.	5.7	62
70	Thermodynamic limits on drug loading in nanoparticle cores. <i>Journal of Pharmaceutical Sciences</i> , 2008, 97, 4904-4914.	1.6	62
71	Nanoparticle size distribution quantification from transmission electron microscopy (TEM) of ruthenium tetroxide stained polymeric nanoparticles. <i>Journal of Colloid and Interface Science</i> , 2021, 604, 208-220.	5.0	62
72	Fluorescent Polymeric Nanoparticles: Aggregation and Phase Behavior of Pyrene and Amphotericin B Molecules in Nanoparticle Cores. <i>Small</i> , 2010, 6, 2907-2914.	5.2	61

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73	Polymer Directed Self-Assembly of pH-Responsive Antioxidant Nanoparticles. <i>Langmuir</i> , 2015, 31, 3612-3620.	1.6	61
74	Directed Assembly of Soft Colloids through Rapid Solvent Exchange. <i>ACS Nano</i> , 2016, 10, 1425-1433.	7.3	61
75	Facile Preparation of AIE-Active Fluorescent Nanoparticles through Flash Nanoprecipitation. <i>Industrial & Engineering Chemistry Research</i> , 2015, 54, 4683-4688.	1.8	59
76	Translational formulation of nanoparticle therapeutics from laboratory discovery to clinical scale. <i>Journal of Translational Medicine</i> , 2019, 17, 200.	1.8	59
77	Applications of Supercritical Fluids in the Controlled Release of Drugs. <i>ACS Symposium Series</i> , 1992, , 238-257.	0.5	57
78	Measurement of Forces across Room Temperature Ionic Liquids between Mica Surfaces. <i>Journal of Physical Chemistry C</i> , 2009, 113, 16445-16449.	1.5	57
79	Design and Solidification of Fast-Releasing Clofazimine Nanoparticles for Treatment of Cryptosporidiosis. <i>Molecular Pharmaceutics</i> , 2017, 14, 3480-3488.	2.3	57
80	Aerosol Delivery of Nanoparticles in Uniform Mannitol Carriers Formulated by Ultrasonic Spray Freeze Drying. <i>Pharmaceutical Research</i> , 2013, 30, 2891-2901.	1.7	55
81	Flow improvement of waxy oils mediated by self-aggregating partially crystallizable diblock copolymers. <i>Journal of Rheology</i> , 2002, 46, 763.	1.3	54
82	Measurement of Forces between Galactomannan Polymer Chains: Effect of Hydrogen Bonding. <i>Macromolecules</i> , 2002, 35, 10155-10161.	2.2	52
83	Quantitative measurement of voids formed during liquid impregnation of nonwoven multifilament glass networks using an optical visualization technique. <i>Polymer Engineering and Science</i> , 2004, 32, 319-326.	1.5	52
84	Kinetically Assembled Nanoparticles of Bioactive Macromolecules Exhibit Enhanced Stability and Cell-Targeted Biological Efficacy. <i>Advanced Materials</i> , 2012, 24, 733-739.	11.1	52
85	Effects of Organic Solvents on the Scission Energy of Rodlike Micelles. <i>Langmuir</i> , 2004, 20, 8970-8974.	1.6	51
86	Rheology control by modulating hydrophobic and inclusion associations in modified poly(acrylic) Tj ETQq0 0 0 rgBT, /Overlock, 10 Tf 50 2	1.8	50
87	A novel production method for inhalable cyclosporine A powders by confined liquid impinging jet precipitation. <i>Journal of Aerosol Science</i> , 2008, 39, 500-509.	1.8	49
88	Single-Step Assembly of Multimodal Imaging Nanocarriers: MRI and Long-Wavelength Fluorescence Imaging. <i>Advanced Healthcare Materials</i> , 2015, 4, 1376-1385.	3.9	48
89	Modulating <i>Vibrio cholerae</i> Quorum-Sensing-Controlled Communication Using Autoinducer-Loaded Nanoparticles. <i>Nano Letters</i> , 2015, 15, 2235-2241.	4.5	47
90	Association of hydrophobically-modified poly(ethylene glycol) with fusogenic liposomes. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2003, 1616, 184-195.	1.4	46

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91	Complexation Behavior of $\hat{1}^{\pm}$, $\hat{1}^2$, and $\hat{1}^3$ -Cyclodextrin in Modulating and Constructing Polymer Networks. <i>Langmuir</i> , 2008, 24, 8290-8296.	1.6	46
92	Soft Multifaced and Patchy Colloids by Constrained Volume Self-Assembly. <i>Macromolecules</i> , 2016, 49, 3580-3585.	2.2	45
93	Hydrophobic Ion Pairing of Peptide Antibiotics for Processing into Controlled Release Nanocarrier Formulations. <i>Molecular Pharmaceutics</i> , 2018, 15, 216-225.	2.3	45
94	Protected Peptide Nanoparticles: Experiments and Brownian Dynamics Simulations of the Energetics of Assembly. <i>Nano Letters</i> , 2009, 9, 2218-2222.	4.5	44
95	Coarse-Grained Simulations of Rapid Assembly Kinetics for Polystyrene- <i>b</i> -poly(ethylene oxide) Copolymers in Aqueous Solutions. <i>Journal of Physical Chemistry B</i> , 2008, 112, 16357-16366.	1.2	43
96	Nanoparticle stability: Processing pathways for solvent removal. <i>Chemical Engineering Science</i> , 2009, 64, 1358-1361.	1.9	43
97	Measurement of the viscosity of guar gum solutions to 50,000 s ⁻¹ using a parallel plate rheometer. <i>Polymer Engineering and Science</i> , 1987, 27, 598-602.	1.5	42
98	Effect of Cooling Rate on Crystallization of Model Waxy Oils with Microcrystalline Poly(ethylene) Tj ETQq0 0 0 rgBT/Overlock 10 Tf 50 4	2.5	42
99	Nanoparticle targeting of Gram-positive and Gram-negative bacteria for magnetic-based separations of bacterial pathogens. <i>Applied Nanoscience (Switzerland)</i> , 2017, 7, 83-93.	1.6	42
100	Studying AEA interaction in cement systems using tensiometry. <i>Cement and Concrete Research</i> , 2017, 92, 29-36.	4.6	42
101	Design of a Small-Scale Multi-Inlet Vortex Mixer for Scalable Nanoparticle Production and Application to the Encapsulation of Biologics by Inverse Flash NanoPrecipitation. <i>Journal of Pharmaceutical Sciences</i> , 2018, 107, 2465-2471.	1.6	42
102	Novel Laboratory Cell for Fundamental Studies of the Effect of Polymer Additives on Wax Deposition from Model Crude Oils. <i>Energy & Fuels</i> , 2007, 21, 1301-1308.	2.5	40
103	Optimal structural design of mannosylated nanocarriers for macrophage targeting. <i>Journal of Controlled Release</i> , 2014, 194, 341-349.	4.8	40
104	Scalable Platform for Structured and Hybrid Soft Nanocolloids by Continuous Precipitation in a Confined Environment. <i>Langmuir</i> , 2017, 33, 3444-3449.	1.6	40
105	Flash NanoPrecipitation for the Encapsulation of Hydrophobic and Hydrophilic Compounds in Polymeric Nanoparticles. <i>Journal of Visualized Experiments</i> , 2019, , .	0.2	40
106	Improvement of oil flowability by assembly of comb-type copolymers with paraffin and asphaltene. <i>AIChE Journal</i> , 2012, 58, 2254-2261.	1.8	39
107	Solids Formation After the Expansion of Supercritical Mixtures. <i>ACS Symposium Series</i> , 1989, , 355-378.	0.5	38
108	Deposition apparatus to study the effects of polymers and asphaltenes upon wax deposition. <i>Journal of Petroleum Science and Engineering</i> , 2010, 72, 166-174.	2.1	38

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109	Mechanism of Macromolecular Structure Evolution in Self-Assembled Lipid Nanoparticles for siRNA Delivery. <i>Langmuir</i> , 2014, 30, 4613-4622.	1.6	38
110	Supramolecular polymer assembly in aqueous solution arising from cyclodextrin host-guest complexation. <i>Beilstein Journal of Organic Chemistry</i> , 2016, 12, 50-72.	1.3	37
111	The use of opposed nozzles configuration in the measurements of the extensional rheological properties of emulsions. <i>Journal of Rheology</i> , 1994, 38, 797-810.	1.3	36
112	Dynamic deformation visualization in swelling of polymer gels. <i>Chemical Engineering Science</i> , 2000, 55, 3335-3340.	1.9	36
113	The dilatational properties of suspensions of gas bubbles in incompressible newtonian and non-newtonian fluids. <i>Journal of Non-Newtonian Fluid Mechanics</i> , 1978, 3, 261-279.	1.0	35
114	Determination of nonionic and partially hydrolyzed polyacrylamide molecular weight distributions using hydrodynamic chromatography. <i>Analytical Chemistry</i> , 1986, 58, 2242-2247.	3.2	35
115	Block copolymer surface coverage on nanoparticles. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2010, 360, 105-110.	2.3	35
116	Ellipsometric observation of the adsorption of sodium dodecyl sulfate. <i>Langmuir</i> , 1988, 4, 140-144.	1.6	34
117	Novel Method for Concentrating and Drying Polymeric Nanoparticles: Hydrogen Bonding Coacervate Precipitation. <i>Molecular Pharmaceutics</i> , 2010, 7, 557-564.	2.3	34
118	Polymeric Networks Assembled by Adamantyl and β -Cyclodextrin Substituted Poly(acrylate)s: Host-Guest Interactions, and the Effects of Ionic Strength and Extent of Substitution. <i>Industrial & Engineering Chemistry Research</i> , 2010, 49, 609-612.	1.8	34
119	Surface tensions of concentrated xanthan and polyacrylamide solutions with added surfactants. <i>Journal of Colloid and Interface Science</i> , 1983, 93, 274-276.	5.0	33
120	A two-component model for the phase behavior of dispersions containing associative polymer. <i>Macromolecules</i> , 1989, 22, 1317-1325.	2.2	33
121	Gelation of "catanionic" vesicles by hydrophobically modified polyelectrolytes. <i>Colloid and Polymer Science</i> , 2002, 280, 783-788.	1.0	33
122	Dynamic surface tension of hydrocarbon and fluorocarbon surfactant solutions using the maximum bubble pressure method. <i>Colloids and Surfaces</i> , 1990, 44, 101-117.	0.9	31
123	Interaction of Hydrophobically Modified Polymers and Surfactant Lamellar Phase. <i>Langmuir</i> , 2001, 17, 5834-5841.	1.6	31
124	Phase behavior and structure formation in linear multiblock copolymer solutions by Monte Carlo simulation. <i>Journal of Chemical Physics</i> , 2008, 128, 164906.	1.2	31
125	Tailoring Polymeric Hydrogels through Cyclodextrin Host-Guest Complexation. <i>Macromolecular Rapid Communications</i> , 2010, 31, 300-304.	2.0	31
126	A one-step and scalable production route to metal nanocatalyst supported polymer nanospheres via flash nanoprecipitation. <i>Journal of Materials Chemistry A</i> , 2014, 2, 17286-17290.	5.2	30

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127	Effect of Spacer Length between Phenyl Pendant and Backbone in Comb Copolymers on Flow Ability of Waxy Oil with Asphaltenes. <i>Industrial & Engineering Chemistry Research</i> , 2017, 56, 12447-12455.	1.8	30
128	Stabilization of Phosphatidylserine/Phosphatidylethanolamine Liposomes with Hydrophilic Polymers Having Multiple "Sticky Feet". <i>Langmuir</i> , 2001, 17, 7713-7716.	1.6	29
129	Kinetics of Enzymatic Depolymerization of Guar Galactomannan. <i>Biomacromolecules</i> , 2006, 7, 2583-2590.	2.6	29
130	Amphiphilic Nanoparticles Repress Macrophage Atherogenesis: Novel Core/Shell Designs for Scavenger Receptor Targeting and Down-Regulation. <i>Molecular Pharmaceutics</i> , 2014, 11, 2815-2824.	2.3	29
131	Narrow Absorption NIR Wavelength Organic Nanoparticles Enable Multiplexed Photoacoustic Imaging. <i>ACS Applied Materials & Interfaces</i> , 2016, 8, 14379-14388.	4.0	29
132	Amorphous nanoparticles by self-assembly: processing for controlled release of hydrophobic molecules. <i>Soft Matter</i> , 2019, 15, 2400-2410.	1.2	29
133	Assembly of Macrocyclic Dye Derivatives into Particles for Fluorescence and Photoacoustic Applications. <i>ACS Combinatorial Science</i> , 2017, 19, 397-406.	3.8	28
134	In-Plane Radial Fluid Flow Characterization of Fibrous Materials. <i>Journal of Thermal Insulation</i> , 1987, 10, 153-172.	0.2	27
135	Novel methods of targeted drug delivery: the potential of multifunctional nanoparticles. <i>Expert Review of Clinical Pharmacology</i> , 2009, 2, 265-282.	1.3	27
136	OPTIMIZED DESCRIPTIVE MODEL FOR MICROMIXING IN A VORTEX MIXER. <i>Chemical Engineering Communications</i> , 2010, 197, 1068-1075.	1.5	27
137	Flow Improvement of Waxy Oils by Modulating Long-Chain Paraffin Crystallization with Comb Polymers: An Observation by X-ray Diffraction. <i>Industrial & Engineering Chemistry Research</i> , 2011, 50, 316-321.	1.8	27
138	Using Flash Nanoprecipitation To Produce Highly Potent and Stable Cellax Nanoparticles from Amphiphilic Polymers Derived from Carboxymethyl Cellulose, Polyethylene Glycol, and Cabazitaxel. <i>Molecular Pharmaceutics</i> , 2017, 14, 3998-4007.	2.3	27
139	Porous mannitol carrier for pulmonary delivery of cyclosporine A nanoparticles. <i>AAPS Journal</i> , 2017, 19, 578-586.	2.2	26
140	Accurate prediction of clathrate hydrate phase equilibria below 300 K from a simple model. <i>Journal of Petroleum Science and Engineering</i> , 2006, 51, 45-53.	2.1	25
141	Flow-Induced Conformational Changes in Gelatin Structure and Colloidal Stabilization. <i>Langmuir</i> , 2008, 24, 9636-9641.	1.6	25
142	Frictional Properties of Surfactant-Coated Rod-Shaped Nanoparticles in Dry and Humid Dodecane. <i>Journal of Physical Chemistry B</i> , 2008, 112, 14395-14401.	1.2	25
143	Synthesis and Evaluation of Clickable Block Copolymers for Targeted Nanoparticle Drug Delivery. <i>Molecular Pharmaceutics</i> , 2012, 9, 2228-2236.	2.3	25
144	The Interpretation of Screen-Factor Measurements. <i>SPE Reservoir Engineering</i> , 1986, 1, 272-276.	0.5	24

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145	Spray drying OZ439 nanoparticles to form stable, water-dispersible powders for oral malaria therapy. <i>Journal of Translational Medicine</i> , 2019, 17, 97.	1.8	24
146	Synthesis of Biocompatible Polymeric Hydrogels with Tunable Adhesion to both Hydrophobic and Hydrophilic Surfaces. <i>Biomacromolecules</i> , 2008, 9, 1637-1642.	2.6	23
147	Biodistribution and fate of core-labeled ¹²⁵ I polymeric nanocarriers prepared by Flash NanoPrecipitation (FNP). <i>Journal of Materials Chemistry B</i> , 2016, 4, 2428-2434.	2.9	23
148	Ultrafiltration of nanoparticle colloids. <i>Journal of Membrane Science</i> , 2017, 538, 41-49.	4.1	23
149	Encapsulation of OZ439 into Nanoparticles for Supersaturated Drug Release in Oral Malaria Therapy. <i>ACS Infectious Diseases</i> , 2018, 4, 970-979.	1.8	23
150	On the Stability of Polymeric Nanoparticles Fabricated through Rapid Solvent Mixing. <i>Langmuir</i> , 2019, 35, 709-717.	1.6	23
151	A one-component model for the phase behavior of dispersions containing associative polymers. <i>Macromolecules</i> , 1990, 23, 3821-3832.	2.2	22
152	A theoretical study of Gemini surfactant phase behavior. <i>Journal of Chemical Physics</i> , 1998, 109, 5651-5658.	1.2	22
153	Antitubercular Nanocarrier Combination Therapy: Formulation Strategies and <i>in Vitro</i> Efficacy for Rifampicin and SQ641. <i>Molecular Pharmaceutics</i> , 2015, 12, 1554-1563.	2.3	22
154	Transmission electron microscopy of gel network morphology: relating network microstructure to mechanical properties. <i>Macromolecules</i> , 1986, 19, 2960-2964.	2.2	21
155	Formation of colloidal TiO ₂ from organotitanate solutions used to produce crosslinked polymer gels. <i>Journal of Colloid and Interface Science</i> , 1987, 118, 294-296.	5.0	21
156	Surface Rheology of Hydrophobically Modified PEG Polymers Associating with a Phospholipid Monolayer at the Air-Water Interface. <i>Langmuir</i> , 2008, 24, 4056-4064.	1.6	21
157	Combining Precipitation and Vitrification to Control the Number of Surface Patches on Polymer Nanocolloids. <i>Langmuir</i> , 2017, 33, 5835-5842.	1.6	21
158	Solid-State Behavior and Solubilization of Flash Nanoprecipitated Clofazimine Particles during the Dispersion and Digestion of Milk-Based Formulations. <i>Molecular Pharmaceutics</i> , 2019, 16, 2755-2765.	2.3	21
159	Potent Tetrahydroquinolone Eliminates Apicomplexan Parasites. <i>Frontiers in Cellular and Infection Microbiology</i> , 2020, 10, 203.	1.8	21
160	In Silico Design Enables the Rapid Production of Surface-Active Colloidal Amphiphiles. <i>ACS Central Science</i> , 2020, 6, 166-173.	5.3	21
161	Neutron Spin-Echo Study of Dynamics of Hydrophobically Modified Polymer-Doped Surfactant Bilayers. <i>Langmuir</i> , 2002, 18, 6-13.	1.6	20
162	Aggregation and Host-Guest Interactions in Dansyl-Substituted Poly(acrylate)s in the Presence of β -Cyclodextrin and a β -Cyclodextrin Dimer in Aqueous Solution: A UV-Vis, Fluorescence, ¹ H NMR, and Rheological Study. <i>Macromolecules</i> , 2011, 44, 9782-9791.	2.2	20

#	ARTICLE	IF	CITATIONS
163	Summary Report of PQRI Workshop on Nanomaterial in Drug Products: Current Experience and Management of Potential Risks. AAPS Journal, 2015, 17, 44-64.	2.2	20
164	Rapid Recovery of Clofazimine-Loaded Nanoparticles with Long-Term Storage Stability as Anti- <i>Cryptosporidium</i> Therapy. ACS Applied Nano Materials, 2018, 1, 2184-2194.	2.4	20
165	Adsorption and Denaturation of Structured Polymeric Nanoparticles at an Interface. Nano Letters, 2018, 18, 4854-4860.	4.5	20
166	Orientation of Rigid Macromolecules during Hydrodynamic Chromatography Separations. Separation Science and Technology, 1983, 18, 121-134.	1.3	19
167	Gelation Chemistries for the Encapsulation of Nanoparticles in Composite Gel Microparticles for Lung Imaging and Drug Delivery. Biomacromolecules, 2014, 15, 252-261.	2.6	19
168	Composite Fluorescent Nanoparticles for Biomedical Imaging. Molecular Imaging and Biology, 2014, 16, 180-188.	1.3	19
169	A thermosensitive hydrogel carrier for nickel nanoparticles. Colloids and Interface Science Communications, 2015, 4, 1-4.	2.0	19
170	A Scalable Platform for Functional Nanomaterials via Bubble Bursting. Advanced Materials, 2016, 28, 4047-4052.	11.1	19
171	Real-Time and Multiplexed Photoacoustic Imaging of Internally Normalized Mixed-Targeted Nanoparticles. ACS Biomaterials Science and Engineering, 2017, 3, 443-451.	2.6	19
172	Effect of solvent quality and ions on the rheology and gelation of λ -carrageenan. Journal of Rheology, 2000, 44, 885-896.	1.3	18
173	Transcranial Photoacoustic Detection of Blood-Brain Barrier Disruption Following Focused Ultrasound-Mediated Nanoparticle Delivery. Molecular Imaging and Biology, 2020, 22, 324-334.	1.3	18
174	Ring currents modulate optoelectronic properties of aromatic chromophores at 25 T. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 11289-11298.	3.3	18
175	Insights into Hydrophobic Ion Pairing from Molecular Simulation and Experiment. ACS Nano, 2020, 14, 6097-6106.	7.3	18
176	A new hypothesis for air loss in cement systems containing fly ash. Cement and Concrete Research, 2021, 142, 106352.	4.6	18
177	Molecular-size determination of xanthan polysaccharide. Carbohydrate Research, 1982, 106, 225-233.	1.1	17
178	The effect of fluid elasticity on power consumption and mixing times in stirred tanks. Chemical Engineering Science, 1985, 40, 1495-1505.	1.9	17
179	Low field theory of polymer transient electric birefringence. Journal of Chemical Physics, 1992, 96, 7135-7143.	1.2	17
180	Shear thinning in ternary bicontinuous and water-in-oil microemulsions. AIChE Journal, 1995, 41, 677-682.	1.8	17

#	ARTICLE	IF	CITATIONS
181	Degradable phosphazene-crosslinked hydrogels. <i>Journal of Controlled Release</i> , 1996, 40, 261-267.	4.8	17
182	Interaction of Surfactant Lamellar Phase and a Strictly Alternating Comb-Graft Amphiphilic Polymer Based on PEG. <i>Langmuir</i> , 2001, 17, 6692-6698.	1.6	17
183	Determining drug release rates of hydrophobic compounds from nanocarriers. <i>Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences</i> , 2016, 374, 20150128.	1.6	17
184	Copper Loading of Preformed Nanoparticles for PET-Imaging Applications. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 3191-3199.	4.0	17
185	A Novel Bivalent Mannosylated Targeting Ligand Displayed on Nanoparticles Selectively Targets Anti-Inflammatory M2 Macrophages. <i>Pharmaceutics</i> , 2020, 12, 243.	2.0	17
186	Effect of photobleaching on the output of an on-column laser fluorescence detector. <i>Industrial & Engineering Chemistry Research</i> , 1987, 26, 1449-1454.	1.8	16
187	Viscosity Measurements in the Presence of Wall Slip in Capillary, Couette, And Parallel-Disk Geometries. <i>SPE Reservoir Engineering</i> , 1988, 3, 735-742.	0.5	16
188	Diagnostic techniques of mixing effectiveness: the effect of shear and elongation in drop production in mixing tanks. <i>Chemical Engineering Science</i> , 1992, 47, 1401-1410.	1.9	16
189	Quantifying deformation in gel swelling: Experiments and simulations. <i>AIChE Journal</i> , 2000, 46, 2128-2139.	1.8	16
190	Nanoprecipitation of Pharmaceuticals Using Mixing and Block Copolymer Stabilization. <i>ACS Symposium Series</i> , 2006, , 278-291.	0.5	16
191	Pressure Effect on the Rheological Behavior of Waxy Crude Oil with Comb-Type Copolymers Bearing Azobenzene Pendant. <i>Industrial & Engineering Chemistry Research</i> , 2018, 57, 4887-4894.	1.8	16
192	Rheo-optical Analysis of Functionalized Graphene Suspensions. <i>Langmuir</i> , 2018, 34, 7844-7851.	1.6	16
193	Highly loaded nanoparticulate formulation of progesterone for emergency traumatic brain injury treatment. <i>Therapeutic Delivery</i> , 2012, 3, 1269-1279.	1.2	15
194	Host-guest chemistry of linked β -cyclodextrin trimers and adamantyl substituted poly(acrylate)s in aqueous solution. <i>Polymer Chemistry</i> , 2013, 4, 820-829.	1.9	15
195	Polymeric Nanocarrier Formulations of Biologics Using Inverse Flash NanoPrecipitation. <i>AAPS Journal</i> , 2020, 22, 18.	2.2	15
196	Electric birefringence measurements of native, denatured, and renatured xanthan. <i>Journal of Applied Polymer Science</i> , 1987, 33, 825-834.	1.3	14
197	FOAM BUBBLE SIZE MEASURED USING IMAGE ANALYSIS BEFORE AND AFTER PASSAGE THROUGH A POROUS MEDIUM. <i>Journal of Dispersion Science and Technology</i> , 1989, 10, 785-793.	1.3	14
198	Relationship Between Poly(acrylic acid) Gel Structure and Synthesis. <i>ACS Symposium Series</i> , 1992, , 91-113.	0.5	14

#	ARTICLE	IF	CITATIONS
199	Polymeric Nanocarriers With Mucus-Diffusive and Mucus-Adhesive Properties to Control Pharmacokinetic Behavior of Orally Dosed Cyclosporine A. <i>Journal of Pharmaceutical Sciences</i> , 2020, 109, 1079-1085.	1.6	14
200	Characterization of voids formed during liquid impregnation of non-woven multifilament glass networks as related to composite processing. <i>Composites Manufacturing</i> , 1993, 4, 199-207.	0.4	13
201	Biocompatible Nanoparticle Based on Dextran- <i>b</i> -Poly(<i>l</i> -lactide) Block Copolymer Formed by Flash Nanoprecipitation. <i>Chemistry Letters</i> , 2015, 44, 1688-1690.	0.7	13
202	Responsive foams for nanoparticle delivery. <i>Colloids and Surfaces B: Biointerfaces</i> , 2015, 133, 81-87.	2.5	13
203	Internal liquid crystal structures in nanocarriers containing drug hydrophobic ion pairs dictate drug release. <i>Journal of Colloid and Interface Science</i> , 2021, 582, 815-824.	5.0	13
204	Formulation of long-wavelength indocyanine green nanocarriers. <i>Journal of Biomedical Optics</i> , 2017, 22, 1.	1.4	13
205	Tunable polymeric hydrogels assembled by competitive complexation between cyclodextrin dimers and adamantyl substituted poly(acrylate)s. <i>AIChE Journal</i> , 2010, 56, 3021-3024.	1.8	12
206	Photocrosslinking the polystyrene core of block-copolymer nanoparticles. <i>Polymer Chemistry</i> , 2011, 2, 665-671.	1.9	12
207	New nano-matrix oral formulation of nanoprecipitated cyclosporine A prepared with multi-inlet vortex mixer. <i>International Journal of Pharmaceutics</i> , 2017, 516, 116-119.	2.6	12
208	Visualization of Surfactant Dynamics to and along Oil/Water Interfaces Using Solvatochromic Fluorescent Surfactants. <i>Langmuir</i> , 2018, 34, 10512-10522.	1.6	12
209	Flow Behavior of Oil-in-Water Emulsions. <i>Nihon Reoroji Gakkaishi</i> , 1992, 20, 125-131.	0.2	11
210	<i>Pseudomonas aeruginosa</i> pyocyanin production reduced by quorum-sensing inhibiting nanocarriers. <i>International Journal of Pharmaceutics</i> , 2018, 544, 75-82.	2.6	11
211	Contamination of Oil-Well Cement with Conventional and Microemulsion Spacers. <i>SPE Journal</i> , 2020, 25, 3002-3016.	1.7	11
212	Processing Chitosan for Preparing Chitosan-Functionalized Nanoparticles by Polyelectrolyte Adsorption. <i>Langmuir</i> , 2021, 37, 8517-8524.	1.6	11
213	Tween® Preserves Enzyme Activity and Stability in PLGA Nanoparticles. <i>Nanomaterials</i> , 2021, 11, 2946.	1.9	11
214	Development of an <i>In Vitro</i> Release Assay for Low-Density Cannabidiol Nanoparticles Prepared by Flash NanoPrecipitation. <i>Molecular Pharmaceutics</i> , 2022, 19, 1515-1525.	2.3	11
215	Orientation dynamics of dilute functionalized graphene suspensions in oscillatory flow. <i>Physical Review Fluids</i> , 2018, 3, .	1.0	10
216	Absorption length for photon propagation in highly dense colloidal dispersions. <i>Journal of Materials Research</i> , 1998, 13, 3463-3467.	1.2	9

#	ARTICLE	IF	CITATIONS
217	Syneresis of Carrageenan Gels: NMR and Rheology. <i>Soft Materials</i> , 2004, 2, 145-153.	0.8	9
218	Aggregation of Hydrophobic Substituents of Poly(acrylate)s and Their Competitive Complexation by β - and γ -Cyclodextrins and Their Linked Dimers in Aqueous Solution. <i>Industrial & Engineering Chemistry Research</i> , 2011, 50, 7566-7571.	1.8	9
219	Biopharmaceutical Evaluation of Novel Cyclosporine A Nano-matrix Particles for Inhalation. <i>Pharmaceutical Research</i> , 2016, 33, 2107-2116.	1.7	9
220	Efficient preparation of size tunable PEGylated gold nanoparticles. <i>Journal of Materials Chemistry B</i> , 2016, 4, 4813-4817.	2.9	9
221	Adsorption dynamics of polymeric nanoparticles at an air-water interface with addition of surfactants. <i>Journal of Colloid and Interface Science</i> , 2020, 575, 416-424.	5.0	9
222	Encapsulation and Controlled Release of a Camptothecin Prodrug from Nanocarriers and Microgels: Tuning Release Rate with Nanocarrier Excipient Composition. <i>Molecular Pharmaceutics</i> , 2021, 18, 1093-1101.	2.3	9
223	Microfluidic Technology for the Production of Hybrid Nanomedicines. <i>Pharmaceutics</i> , 2021, 13, 1495.	2.0	9
224	CHARACTERIZATION OF FOAM CELL SIZE AND FOAM QUALITY USING FACTORIAL DESIGN ANALYSES. <i>Journal of Dispersion Science and Technology</i> , 1987, 8, 55-73.	1.3	8
225	Orientation and relaxation of nonlinear elastic dumbbells in electric fields: Modeling transient electric birefringence. <i>Journal of Chemical Physics</i> , 1988, 89, 5943-5949.	1.2	8
226	An assessment of the PadÃ©-Laplace method for transient electric birefringence decay analysis. <i>Computers & Chemistry</i> , 1992, 16, 249-259.	1.2	8
227	Steric effects and competitive intra- and intermolecular host-guest complexation between β -cyclodextrin and adamantyl substituted poly(acrylate)s in water: A ^1H NMR, rheological and preparative study. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 2010, 48, 1818-1825.	2.4	8
228	Block Copolymer Nanoparticles as Nanobeads for the Polymerase Chain Reaction. <i>Nano Letters</i> , 2011, 11, 1723-1726.	4.5	8
229	Reversible photo-responsive vesicle based on the complexation between an azobenzene containing molecule and β -cyclodextrin. <i>RSC Advances</i> , 2015, 5, 32846-32852.	1.7	8
230	A Computational Study of the Ionic Liquid-Induced Destabilization of the Miniprotein Trp-Cage. <i>Journal of Physical Chemistry B</i> , 2018, 122, 5707-5715.	1.2	8
231	Chemistry and Geometry of Counterions Used in Hydrophobic Ion Pairing Control Internal Liquid Crystal Phase Behavior and Thereby Drug Release. <i>Molecular Pharmaceutics</i> , 2021, 18, 1666-1676.	2.3	8
232	Sustained release of peptides and proteins from polymeric nanocarriers produced by inverse Flash NanoPrecipitation. <i>Journal of Controlled Release</i> , 2021, 334, 11-20.	4.8	8
233	Homogeneous nucleation temperatures for concentrated polystyrene/benzene solutions. <i>Journal of Polymer Science, Polymer Symposia</i> , 1985, 72, 263-275.	0.1	7
234	Automated system for the characterization of liquid foam. <i>Review of Scientific Instruments</i> , 1985, 56, 746-751.	0.6	7

#	ARTICLE	IF	CITATIONS
235	TRANSMISSION ELECTRON MICROSCOPY OF AQUEOUS POLYMER GEL NETWORK MORPHOLOGY. <i>Chemical Engineering Communications</i> , 1987, 52, 283-289.	1.5	7
236	Production of monodisperse 5- to 40- μ m polystyrene spheres. <i>Journal of Colloid and Interface Science</i> , 1988, 122, 283-287.	5.0	7
237	Microencapsulation of Aqueous Compounds Using Hexamethylenediamine and Trimesoyl Chloride: Monodisperse Capsule Formation and Reaction Conditions on Membrane Properties. <i>Industrial & Engineering Chemistry Research</i> , 2014, 53, 8484-8492.	1.8	7
238	Alternative vaccine administration by powder injection: Needle-free dermal delivery of the glycoconjugate meningococcal group Y vaccine. <i>PLoS ONE</i> , 2017, 12, e0183427.	1.1	7
239	Quenched hexacene optoacoustic nanoparticles. <i>Journal of Materials Chemistry B</i> , 2018, 6, 44-55.	2.9	7
240	Synthesis of Heterobifunctional Thiol- α -poly(lactic acid)- β - α -poly(ethylene glycol)- β -hydroxyl for Nanoparticle Drug Delivery Applications. <i>Macromolecular Chemistry and Physics</i> , 2020, 221, 1900396.	1.1	7
241	Highly-loaded protein nanocarriers prepared by Flash NanoPrecipitation with hydrophobic ion pairing. <i>International Journal of Pharmaceutics</i> , 2021, 601, 120397.	2.6	7
242	Effect of Hydrophobically Modified Polymers on Shear-Induced Multilamellar Vesicles. <i>Langmuir</i> , 2005, 21, 10038-10045.	1.6	6
243	Using Light to Covalently Immobilize and Pattern Nanoparticles onto Surfaces. <i>Langmuir</i> , 2012, 28, 10934-10941.	1.6	6
244	Inhomogeneous flows of guar/metal ion gels observed by laser Doppler anemometry and rheological measurements. <i>Journal of Rheology</i> , 1994, 38, 217-230.	1.3	5
245	Fluctuations of bare membranes and their modification on incorporation of polymers having equally spaced anchors. <i>Physica B: Condensed Matter</i> , 2004, 350, 217-219.	1.3	5
246	Cross-Linking Protein Glutathionylation Mediated by O ² -Arylated Bis-Diazeniumdiolate α - β -Double JS- α . <i>Chemical Research in Toxicology</i> , 2012, 25, 2670-2677.	1.7	5
247	Complexation of dodecyl-substituted poly(acrylate) by linked β -cyclodextrin dimers and trimers in aqueous solution. <i>Journal of Polymer Science Part A</i> , 2015, 53, 1278-1286.	2.5	5
248	Inverse Flash NanoPrecipitation for Biologics Encapsulation: Nanoparticle Formation and Ionic Stabilization in Organic Solvents. <i>ACS Symposium Series</i> , 2017, , 249-274.	0.5	5
249	Preparation of PEGylated Iodine-Loaded Nanoparticles via Polymer-Directed Self-Assembly. <i>Macromolecular Chemistry and Physics</i> , 2018, 219, 1700592.	1.1	5
250	Detection of microgels in polyacrylamide solutions using microcapillary flow analysis. <i>Journal of Applied Polymer Science</i> , 1987, 33, 693-702.	1.3	4
251	Effect of Dynamic Surface Tension on Foam Flow Through Fibrous Materials. <i>Textile Research Journal</i> , 1991, 61, 47-57.	1.1	4
252	Flow behavior of oil-in-water emulsions. <i>Journal of Rheology</i> , 1993, 37, 561-561.	1.3	4

#	ARTICLE	IF	CITATIONS
253	Electric birefringence of flexible polymers in high fields: Brownian dynamics simulation. <i>Journal of Chemical Physics</i> , 1994, 100, 2289-2297.	1.2	4
254	Stability and behavior of a comb-graft copolymer stabilizing a thin oil emulsion film. <i>Polymers for Advanced Technologies</i> , 2001, 12, 70-84.	1.6	4
255	Polymer-Protected Liposomes: Association of Hydrophobically-Modified PEG with Liposomes. <i>ACS Symposium Series</i> , 2006, , 95-120.	0.5	4
256	TRANSLATIONAL AND ROTATIONAL DIFFUSION OF GLOBULAR PROTEINS IN CONCENTRATED POLYMER NETWORKS. <i>Soft Materials</i> , 2009, 7, 213-231.	0.8	4
257	Effervescent redispersion of lyophilized polymeric nanoparticles. <i>Therapeutic Delivery</i> , 2013, 4, 177-190.	1.2	4
258	Investigation of the Local Environment of Hydrophobic End Groups on Polyethylene Glycol (PEG) Brushes Using Fluorometry: Relationship to Click Chemistry Conjugation Reactions on PEG-Protected Nanoparticles. <i>ACS Macro Letters</i> , 2015, 4, 521-525.	2.3	4
259	Red-emitting, EtTP-5-based organic nanoprobe for two-photon imaging in 3D multicellular biological models. <i>RSC Advances</i> , 2016, 6, 65770-65774.	1.7	4
260	Inverse Flash NanoPrecipitation for Biologics Encapsulation: Understanding Process Losses via an Extraction Protocol. <i>ACS Symposium Series</i> , 2017, , 275-296.	0.5	4
261	Binary small molecule organic nanoparticles exhibit both direct and diffusion-limited ultrafast charge transfer with NIR excitation. <i>Nanoscale</i> , 2019, 11, 2385-2392.	2.8	4
262	Reversible pH-Driven Flocculation of Amphiphilic Polyelectrolyte-Coated Nanoparticles for Rapid Filtration and Concentration. <i>ACS Applied Nano Materials</i> , 2021, 4, 8690-8698.	2.4	4
263	Clofazimine-Loaded Mucoadhesive Nanoparticles Prepared by Flash Nanoprecipitation for Strategic Intestinal Delivery. <i>Pharmaceutical Research</i> , 2021, 38, 2109-2118.	1.7	4
264	Flow behavior of a surfactant-water system. <i>Colloids and Surfaces</i> , 1989, 40, 125-136.	0.9	3
265	Reaction-Diffusion of Enzyme Molecules in Biopolymer Matrices. <i>ACS Symposium Series</i> , 2002, , 265-284.	0.5	3
266	Millisecond Self-Assembly of Stable Nanodispersed Drug Formulations. <i>Molecular Pharmaceutics</i> , 2018, 15, 495-507.	2.3	3
267	Kinetics of Nanoparticle Radiolabeling of Metalloporphyrin with ⁶⁴ Cu for Positron Emission Tomography (PET) Imaging. <i>Industrial & Engineering Chemistry Research</i> , 2020, 59, 19126-19132.	1.8	3
268	Measurement of the Modulus and Yield Strength of Soft Gels: Experiments and Numerical Simulation. <i>Journal of Rheology</i> , 1989, 33, 317-327.	1.3	2
269	Rheological Measurements. <i>ACS Symposium Series</i> , 1991, , 18-47.	0.5	2
270	DROP PRODUCTION IN COUETTE AND MEDIA MILL DEVICES. <i>Chemical Engineering Communications</i> , 1991, 109, 109-124.	1.5	2

#	ARTICLE	IF	CITATIONS
271	Targeted Theragnostic Nanoparticles Via Flash Nanoprecipitation: Principles of Material Selection. , 2016, , 55-85.		2
272	Transient Electric Birefringence of Linear and Circular DNA: A Comparison of Kinetic Theory Predictions. Journal of Physical Chemistry B, 2021, 125, 8944-8952.	1.2	2
273	Adsorption characteristics of charged and nonionic small molecules to colloidal alumina. Journal of Colloid and Interface Science, 2018, 512, 29-38.	5.0	2
274	A rheometer for concentrated polymer solutions containing volatile solvents. Polymer Engineering and Science, 1987, 27, 294-302.	1.5	1
275	Analysis of radius variations in microcapillaries using the velocity of a viscous polymer plug and fluorescence photobleaching velocity detection. Journal of Chromatography A, 1987, 389, 236-239.	1.8	1
276	Stability of Protein Structure during Nanocarrier Encapsulation: Insights on Solvent Effects from Simulations and Spectroscopic Analysis. ACS Nano, 2020, 14, 16962-16972.	7.3	1
277	Small-volume in vitro lipid digestion measurements for assessing drug dissolution in lipid-based formulations using SAXS. International Journal of Pharmaceutics: X, 2022, 4, 100113.	1.2	1
278	RHEOLOGY OF SOLUTIONS OF INTERACTING MICELLES AND POLYMER CHAINS. Chemical Engineering Communications, 1982, 16, 45-52.	1.5	0
279	Salt Partitioning in Polyelectrolyte Gelâ€™ Solution Systems. ACS Symposium Series, 1993, , 157-170.	0.5	0
280	Diffusion of Dendritic Polymers Through Concentrated Polymer Solutions. Materials Research Society Symposia Proceedings, 2000, 662, 1.	0.1	0
281	Dissolution and Gelation of Îƒ-Carrageenan. ACS Symposium Series, 2001, , 86-101.	0.5	0
282	A Novel Associative Polymer Network based on Cyclodextrin Inclusion with Tunable Rheological Properties. Materials Research Society Symposia Proceedings, 2006, 947, 1.	0.1	0
283	Protein Diffusion through Polymer Meshes As Observed by Pulsed-Field Gradient NMR. , 2007, , .		0
284	Polymers in Nano Pharmaceutical Materials. ACS Symposium Series, 2010, , 25-45.	0.5	0