Robert H Pelton

List of Publications by Year
in descending order

226 papers	11,643 citations	31976 53 h-index	31849 101 g-index
228 all docs	228 docs citations	228 times ranked	9909 citing authors

#	Article	IF	Citations
1	Temperature-sensitive aqueous microgels. Advances in Colloid and Interface Science, 2000, 85, 1-33.	14.7	1,733
2	Bioactive paper provides a low-cost platform for diagnostics. TrAC - Trends in Analytical Chemistry, 2009, 28, 925-942.	11.4	490
3	Highly pH and Temperature Responsive Microgels Functionalized with Vinylacetic Acid. Macromolecules, 2004, 37, 2544-2550.	4.8	380
4	DNA Aptamer Folding on Gold Nanoparticles:â€‰ From Colloid Chemistry to Biosensors. Journal of the American Chemical Society, 2008, 130, 3610-3618.	13.7	352
5	Poly(N-isopropylacrylamide) Latices Prepared with Sodium Dodecyl Sulfate. Journal of Colloid and Interface Science, 1993, 156, 24-30.	9.4	314
6	Surfactant-enhanced cellulose nanocrystal Pickering emulsions. Journal of Colloid and Interface Science, 2015, 439, 139-148.	9.4	306
7	Poly(N-isopropylacrylamide) (PNIPAM) is never hydrophobic. Journal of Colloid and Interface Science, 2010, 348, 673-674.	9.4	256
8	Development of a Bioactive Paper Sensor for Detection of Neurotoxins Using Piezoelectric Inkjet Printing of Solâ^'Gel-Derived Bioinks. Analytical Chemistry, 2009, 81, 5474-5483.	6.5	247
9	Engineering Glucose Swelling Responses in Poly(N-isopropylacrylamide)-Based Microgels. Macromolecules, 2007, 40, 670-678.	4.8	242
10	Functional Group Distributions in Carboxylic Acid Containing Poly(N-isopropylacrylamide) Microgels. Langmuir, 2004, 20, 2123-2133.	3.5	224
11	Control of particle size in the formation of polymer latices. British Polymer Journal, 1978, 10, 173-180.	0.7	186
12	Charge-Switching, Amphoteric Glucose-Responsive Microgels with Physiological Swelling Activity. Biomacromolecules, 2008, 9, 733-740.	5.4	180
13	Tools for water quality monitoring and mapping using paper-based sensors and cell phones. Water Research, 2015, 70, 360-369.	11.3	176
14	One-Pot Water-Based Hydrophobic Surface Modification of Cellulose Nanocrystals Using Plant Polyphenols. ACS Sustainable Chemistry and Engineering, 2017, 5, 5018-5026.	6.7	171
15	Synergistic Stabilization of Emulsions and Emulsion Gels with Water-Soluble Polymers and Cellulose Nanocrystals. ACS Sustainable Chemistry and Engineering, 2015, 3, 1023-1031.	6.7	151
16	Micromechanics: A New Approach to Studying the Strength and Breakup of Flocs. Journal of Colloid and Interface Science, 1996, 184, 579-585.	9.4	149
17	Impact of Microgel Morphology on Functionalized Microgelâ^'Drug Interactions. Langmuir, 2008, 24, 1005-1012.	3.5	142
18	Dried and Redispersible Cellulose Nanocrystal Pickering Emulsions. ACS Macro Letters, 2016, 5, 185-189.	4.8	138

#	Article	IF	Citations
19	Hydrophobic solâ€"gel channel patterning strategies for paper-based microfluidics. Lab on A Chip, 2014, 14, 691-695.	6.0	137
20	Microgel-Based Inks for Paper-Supported Biosensing Applications. Biomacromolecules, 2008, 9, 935-941.	5.4	136
21	Synthesis and Characterization of Comb-Branched Polyelectrolytes. 1. Preparation of Cationic Macromonomer of 2-(Dimethylamino)ethyl Methacrylate by Atom Transfer Radical Polymerization. Macromolecules, 2000, 33, 1628-1635.	4.8	130
22	Creating fast flow channels in paper fluidic devices to control timing of sequential reactions. Lab on A Chip, 2012, 12, 5079.	6.0	118
23	Tuning Cellulose Nanocrystal Gelation with Polysaccharides and Surfactants. Langmuir, 2014, 30, 2684-2692.	3.5	118
24	Atom Transfer Radical Polymerization of Methyl Methacrylate by Silica Gel Supported Copper Bromide/Multidentate Amine. Macromolecules, 2000, 33, 5427-5431.	4.8	109
25	Poly(N-isopropylacrylamide) Microgels at the Airâ^'Water Interface. Langmuir, 1999, 15, 8032-8036.	3.5	105
26	Titrametric Characterization of pH-Induced Phase Transitions in Functionalized Microgels. Langmuir, 2006, 22, 7342-7350.	3.5	105
27	Polyvinylamine: A Tool for Engineering Interfaces. Langmuir, 2014, 30, 15373-15382.	3.5	98
28	Packed column reactor for continuous atom transfer radical polymerization: Methyl methacrylate polymerization using silica gel supported catalyst. Macromolecular Rapid Communications, 2000, 21, 956-959.	3.9	95
29	Characterizing charge and crosslinker distributions in polyelectrolyte microgels. Current Opinion in Colloid and Interface Science, 2008, 13, 413-428.	7.4	95
30	Photocatalytic paper from colloidal TiO2â€"fact or fantasy. Advances in Colloid and Interface Science, 2006, 127, 43-53.	14.7	93
31	Paper-based microfluidics with an erodible polymeric bridge giving controlled release and timed flow shutoff. Lab on A Chip, 2014, 14, 229-236.	6.0	89
32	Temperature-Dependent Contact Angles of Water on Poly(N-isopropylacrylamide) Gels. Langmuir, 1995, 11, 2301-2302.	3.5	87
33	Atom transfer radical polymerization of 2-(dimethylamino)ethyl methacrylate in aqueous media. Journal of Polymer Science Part A, 2000, 38, 3821-3827.	2.3	87
34	Adsorption and Covalent Coupling of ATP-Binding DNA Aptamers onto Cellulose. Langmuir, 2007, 23, 1300-1302.	3.5	85
35	Versatile Initiators for Macromonomer Syntheses of Acrylates, Methacrylates, and Styrene by Atom Transfer Radical Polymerization. Macromolecules, 2000, 33, 5399-5404.	4.8	75
36	Pullulan Encapsulation of Labile Biomolecules to Give Stable Bioassay Tablets. Angewandte Chemie - International Edition, 2014, 53, 6155-6158.	13.8	75

#	Article	IF	Citations
37	Effect of Ligand Spacer on Silica Gel Supported Atom Transfer Radical Polymerization of Methyl Methacrylate. Macromolecules, 2001, 34, 5812-5818.	4.8	73
38	Synthesis and Solution Properties of Poly(N-isopropylacrylamide-co-diallyldimethylammonium) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 702	4.8	71
39	Temperature-Sensitive Flocculants Based on Poly(N-isopropylacrylamide-co-diallyldimethylammonium) Tj ETQq1 1 0.784314 rgBT /Ov	9.4	70
40	On the Formation of Colloidally Dispersed Phase-Separated Poly(N-isopropylacrylamide). Langmuir, 1999, 15, 4018-4020.	3.5	70
41	Soluble and Recoverable Support for Copper Bromide-Mediated Living Radical Polymerization. Macromolecules, 2001, 34, 3182-3185.	4.8	66
42	Functionalized Microgel Swelling:â€‰ Comparing Theory and Experiment. Journal of Physical Chemistry B, 2007, 111, 11895-11906.	2.6	66
43	Printed Paper Sensors for Serum Lactate Dehydrogenase using Pullulan-Based Inks to Immobilize Reagents. Analytical Chemistry, 2015, 87, 9288-9293.	6.5	66
44	The dynamic behavior of poly(N-isopropylacrylamide) at the air/water interface. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 1999, 156, 111-122.	4.7	64
45	Stable Aqueous Foams from Cellulose Nanocrystals and Methyl Cellulose. Biomacromolecules, 2016, 17, 4095-4099.	5.4	63
46	Electrophoresis of functionalized microgels: morphological insights. Polymer, 2005, 46, 1139-1150.	3.8	62
47	Nanoparticle Flotation Collectors: Mechanisms Behind a New Technology. Langmuir, 2011, 27, 10438-10446.	3.5	62
48	Polyelectrolyte complex characterization with isothermal titration calorimetry and colloid titration. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2008, 317, 535-542.	4.7	61
49	A Neutron Reflectivity Study of Poly(N-isopropylacrylamide) at the Airâˆ'Water Interface with and without Sodium Dodecyl Sulfate. Macromolecules, 2000, 33, 6269-6274.	4.8	59
50	Biotinylation of TiO2Nanoparticles and Their Conjugation with Streptavidin. Langmuir, 2007, 23, 5630-5637.	3.5	59
51	Effect of Shear on the Strength of Polymer-Induced Flocs. Journal of Colloid and Interface Science, 1997, 196, 113-115.	9.4	58
52	Colloidal Complexes from Poly(vinyl amine) and Carboxymethyl Cellulose Mixtures. Langmuir, 2007, 23, 2970-2976.	3.5	55
53	Carboxymethyl Cellulose:Polyvinylamine Complex Hydrogel Swelling. Macromolecules, 2007, 40, 1624-1630.	4.8	55
54	Poly(N-isopropylacrylamide) at the Air/Water Interface. Langmuir, 1996, 12, 2611-2612.	3.5	54

#	Article	IF	Citations
55	Composition and Particle Diameter for Styrene/Methyl Methacrylate Copolymer Latex Using UV and NIR Spectroscopy. Applied Spectroscopy, 1993, 47, 1852-1870.	2.2	50
56	pH-Dependence of the Properties of Hydrophobically Modified Polyvinylamine. Langmuir, 2005, 21, 11673-11677.	3.5	49
57	Mechanical Properties of Polyelectrolyte Complex Films Based on Polyvinylamine and Carboxymethyl Cellulose. Industrial & Engineering Chemistry Research, 2006, 45, 6665-6671.	3.7	49
58	Synthesis of methacrylate macromonomers using silica gel supported atom transfer radical polymerization. Macromolecular Chemistry and Physics, 2000, 201, 1387-1394.	2.2	48
59	Effects of Temperature and Relative Humidity on the Stability of Paper-Immobilized Antibodies. Biomacromolecules, 2012, 13, 559-564.	5.4	47
60	Unresolved issues in the preparation and characterization of thermoresponsive microgels. Macromolecular Symposia, 2004, 207, 57-66.	0.7	46
61	Supported atom transfer radical polymerization of methyl methacrylate mediated by CuBr-tetraethyldiethylenetriamine grafted onto silica gel. Journal of Polymer Science Part A, 2001, 39, 1051-1059.	2.3	44
62	Enzymatic manipulations of DNA oligonucleotides on microgel: towards development of DNAâ€“microgel bioassays. Chemical Communications, 2007, , 4459.	4.1	43
63	Nanoparticle Flotation Collectors II: The Role of Nanoparticle Hydrophobicity. Langmuir, 2011, 27, 11409-11415.	3.5	43
64	The role of mild TEMPOâ€“NaBrâ€“NaClO oxidation on the wet adhesion of regenerated cellulose membranes with polyvinylamine. Cellulose, 2007, 14, 257-268.	4.9	42
65	A model of the external surface of wood pulp fibers. Nordic Pulp and Paper Research Journal, 1993, 8, 113-119.	0.7	41
66	Towards nanoparticle flotation collectors for pentlandite separation. International Journal of Mineral Processing, 2013, 123, 137-144.	2.6	41
67	Properties of Poly(N-isopropylacrylamide)-Grafted Colloidal Silica. Journal of Colloid and Interface Science, 2000, 227, 408-411.	9.4	38
68	Colloidal Stability of StÃ¶ber Silica in Acetone. Langmuir, 1996, 12, 1134-1140.	3.5	37
69	Nanoparticle Flotation Collectors III: The Role of Nanoparticle Diameter. ACS Applied Materials & Interfaces, 2012, 4, 4882-4890.	8.0	37
70	Simple and ultrastable all-inclusive pullulan tablets for challenging bioassays. Chemical Science, 2016, 7, 2342-2346.	7.4	36
71	Calorimetric Analysis of Thermal Phase Transitions in Functionalized Microgels. Journal of Physical Chemistry B, 2007, 111, 1334-1342.	2.6	33
72	Morphology and Entrapped Enzyme Performance in Inkjet-Printed Solâ€“Gel Coatings on Paper. Chemistry of Materials, 2014, 26, 1941-1947.	6.7	33

#	Article	IF	Citations
73	Dimensionless plot analysis: A new way to analyze functionalized microgels. Journal of Colloid and Interface Science, 2006, 303, 109-116.	9.4	32
74	Nanoparticle Flotation Collectorsâ€"The Influence of Particle Softness. ACS Applied Materials & Interfaces, 2013, 5, 4836-4842.	8.0	32
75	Flocculation of Polystyrene Latex with Mixtures of Poly(p-vinylphenol) and Poly(ethylene oxide). Langmuir, 1996, 12, 5756-5762.	3.5	31
76	N -Vinylformamide as a route to amine-containing latexes and microgels. Colloid and Polymer Science, 2004, 282, 256-263.	2.1	31
77	Non-destructive horseradish peroxidase immobilization in porous silica nanoparticles. Journal of Materials Chemistry, 2007, 17, 4854.	6.7	31
78	Immobilization of TiO2 nanoparticles onto paper modification through bioconjugation. Journal of Materials Chemistry, 2009, 19, 2189.	6.7	30
79	Strategies for improving electrophoresis data from the Coulter DELSA. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 1993, 80, 181-189.	4.7	29
80	Hydroxypropyl Guarâˆ'Borate Interactions with Tear Film Mucin and Lysozyme. Langmuir, 2005, 21, 10032-10037.	3.5	29
81	The surface tension of aqueous poly(N-isopropylacrylamide-co-acrylamide). , 1999, 37, 2137-2143.		28
82	On the Role of Hydrophobic Particles and Surfactants in Defoaming. Langmuir, 1999, 15, 2202-2208.	3.5	28
83	Extraordinary Adhesion of Phenylboronic Acid Derivatives of Polyvinylamine to Wet Cellulose: A Colloidal Probe Microscopy Investigation. Langmuir, 2009, 25, 6898-6904.	3.5	28
84	DISSOLVED AND COLLOIDAL SUBSTANCES (DCS) AND THE CHARGE DEMAND OF PAPERMAKING PROCESS WATERS AND SUSPENSIONS: A REVIEW. BioResources, 2012, 7, .	1.0	28
85	Sodium dodecyl sulfate binding to poly(N-isopropylacrylamide) microgel latex studied by isothermal titration calorimetry. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 1999, 153, 335-340.	4.7	27
86	Silicone stabilized poly(methyl methacrylate) nonaqueous latexes. Journal of Colloid and Interface Science, 1990, 137, 120-127.	9.4	26
87	Colloidal Silica-Bearing Hydrosilane Groups. Chemistry of Materials, 1995, 7, 1376-1383.	6.7	26
88	Adhesion of Poly(vinylamine) Microgels to Wet Cellulose. Industrial & Engineering Chemistry Research, 2007, 46, 6486-6493.	3.7	26
89	Adhesion of Colloidal Polyelectrolyte Complexes to Wet Cellulose. Biomacromolecules, 2007, 8, 2161-2166.	5.4	26
90	Mineral-mineral particle collisions during flotation remove adsorbed nanoparticle flotation collectors. Journal of Colloid and Interface Science, 2017, 504, 178-185.	9.4	26

#	Article	IF	Citations
91	Factors influencing the adhesion of polystyrene spheres attached to pyrex by polyethyleneimine in aqueous solution. Journal of Colloid and Interface Science, 1984, 99, 387-398.	9.4	25
92	Preparation and kinetic characterization of copolymers of acrylamide and poly(ethylene glycol) (meth)acrylate macromonomers. Polymer, 1996, 37, 1201-1209.	3.8	25
93	Novel Cationic Macromonomers by Living Anionic Polymerization of (Dimethylamino)ethyl Methacrylate. Macromolecules, 2001, 34, 144-150.	4.8	25
94	Polyvinylamine-<i>graft</i>-TEMPO Adsorbs onto, Oxidizes, and Covalently Bonds to Wet Cellulose. Biomacromolecules, 2011, 12, 942-948.	5.4	25
95	Sterically stabilized silica colloids: Radical grafting of poly(methyl methacrylate) and hydrosilylative grafting of silicones to functionalized silica. Polymers for Advanced Technologies, 1995, 6, 335-344.	3.2	24
96	Paperâ€PEGâ€based membranes for hydrophobic interaction chromatography: Purification of monoclonal antibody. Biotechnology and Bioengineering, 2008, 99, 1434-1442.	3.3	24
97	Choosing mineral flotation collectors from large nanoparticle libraries. Journal of Colloid and Interface Science, 2018, 516, 423-430.	9.4	24
98	Polyvinylamine Boronate Adhesion to Cellulose Hydrogel. Biomacromolecules, 2006, 7, 701-702.	5.4	23
99	Towards high throughput screening of nanoparticle flotation collectors. Journal of Colloid and Interface Science, 2015, 460, 97-104.	9.4	23
100	Relating Nanoparticle Shape and Adhesiveness to Performance as Flotation Collectors. Industrial & Engineering Chemistry Research, 2016, 55, 9633-9638.	3.7	23
101	Flocculation of Polystyrene Latex by Polyacrylamide-Copolyethylene Glycol. Journal of Colloid and Interface Science, 1995, 175, 166-172.	9.4	22
102	Atom transfer radical polymerization of alkyl methacrylates using T-triazine as ligand. Macromolecular Chemistry and Physics, 2000, 201, 1169-1175.	2.2	22
103	The role of surface polymer compability in the formation of fiber/fiber bonds in paper. Nordic Pulp and Paper Research Journal, 2000, 15, 400-406.	0.7	22
104	Deposited Nanoparticles Can Promote Air Clogging of Piezoelectric Inkjet Printhead Nozzles. Langmuir, 2019, 35, 5517-5524.	3.5	22
105	Hydridosilsesquioxane Modified Silica-Supported Platinum Nanoparticles. Chemistry of Materials, 1996, 8, 2195-2199.	6.7	21
106	Pt0 compounds bound in a silsesquioxane layer: active hydrosilation catalysts protected by the gel. Inorganica Chimica Acta, 1997, 264, 125-135.	2.4	21
107	PEO Flocculation of Polystyrene-Core Poly(vinylphenol)-Shell Latex:Â An Example of Ideal Bridging. Langmuir, 2001, 17, 7770-7776.	3.5	21
108	The Nature of Crosslinking inN-Vinylformamide Free-Radical Polymerization. Macromolecular Rapid Communications, 2001, 22, 212-214.	3.9	21

#	Article	IF	Citations
109	Enhancing Wet Cellulose Adhesion with Proteins. Industrial & Engineering Chemistry Research, 2005, 44, 7398-7404.	3.7	21
110	Polyvinylamineâ˘'Phenylboronic Acid Adhesion to Cellulose Hydrogel. Langmuir, 2009, 25, 6863-6868.	3.5	21
111	Controlling Deposition and Release of Polyol-Stabilized Latex on Boronic Acid-Derivatized Cellulose. Langmuir, 2010, 26, 17237-17241.	3.5	21
112	Mechanisms of Aldehyde-Containing Paper Wet-Strength Resins. Industrial & Engineering Chemistry Research, 2002, 41, 5366-5371.	3.7	20
113	The surface tension of aqueous polyvinylamine and copolymers with N -vinylformamide. Colloid and Polymer Science, 2002, 280, 203-205.	2.1	20
114	Comparing Polymer-Supported TEMPO Mediators for Cellulose Oxidation and Subsequent Polyvinylamine Grafting. Industrial & Engineering Chemistry Research, 2014, 53, 4748-4754.	3.7	20
115	Phase Behavior of Aqueous Poly(acrylic acid-<i>g</i>-TEMPO). Macromolecules, 2016, 49, 4935-4939.	4.8	20
116	Automating multi-step paper-based assays using integrated layering of reagents. Lab on A Chip, 2017, 17, 943-950.	6.0	20
117	Kraft Ligninâ˘'Poly(DADMAC) Precipitate Formation. Industrial & Engineering Chemistry Research, 1997, 36, 1171-1175.	3.7	19
118	Peel adhesion to paperâ€"interpreting peel curves. Journal of Adhesion Science and Technology, 2003, 17, 815-830.	2.6	19
119	A new route to poly(N-isopropylacrylamide) microgels supporting a polyvinylamine corona. Journal of Colloid and Interface Science, 2004, 276, 113-117.	9.4	19
120	The Reinforcement of Calcium Carbonate Filled Papers with Phosphorus-Containing Polymers. Industrial & Engineering Chemistry Research, 2005, 44, 2078-2085.	3.7	19
121	Macroporous silica using a â€œstickyâ€•StÃ¶ber process. Journal of Materials Chemistry, 2009, 19, 1583.	6.7	19
122	Application of Polymer Adsorption Models to Dynamic Surface Tension. Langmuir, 1999, 15, 5662-5669.	3.5	18
123	Factors Affecting the Size of Aqueous Poly(vinylphenol-co-potassium styrenesulfonate)/Poly(ethylene) Tj ETQq1 1 0.784314 rgBT /Ov	4.8	18
124	Reversible Flocculation with Hydroxypropyl Guarâ˘'Borate, A Labile Anionic Polyelectrolyte. Langmuir, 2009, 25, 192-195.	3.5	18
125	An NMR investigation of the interaction of polyethylene oxide with water-soluble poly(vinyl) Tj ETQq1 1 0.784314 rgBT /Overlock 10 1276-1284.	2.1	17
126	The effect of charge density and hydrophobic modification on dextran-based paper strength enhancing polymers. Nordic Pulp and Paper Research Journal, 2000, 15, 440-445.	0.7	17

#	Article	IF	Citations
127	Laccase Complex with Polyvinylamine Bearing Grafted TEMPO is a Cellulose Adhesion Primer. Biomacromolecules, 2013, 14, 2953-2960.	5.4	17
128	Rapid Development of Wet Adhesion between Carboxymethylcellulose Modified Cellulose Surfaces Laminated with Polyvinylamine Adhesive. ACS Applied Materials & Interfaces, 2016, 8, 24161-24167.	8.0	17
129	Colloidal Stability of StÃ¶ber Silica in Acetoneâ€"Water Mixtures. Journal of Colloid and Interface Science, 1996, 179, 600-607.	9.4	16
130	The synthesis of poly(3,4-dihydroxystyrene) and poly[(sodium) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 627 Td (4-styrenesulfonate)-co-(3,4 241-246.	3.9	16
131	Aqueous biphase formation by mixtures of dextran and hydrophobically modified dextran. Colloid and Polymer Science, 1998, 276, 476-482.	2.1	16
132	Air bubble holdup in quiescent wood pulp suspensions. Canadian Journal of Chemical Engineering, 1992, 70, 660-663.	1.7	16
133	Solution Properties of Polyvinylamine Derivatized with Phenylboronic Acid. Macromolecules, 2009, 42, 1300-1305.	4.8	16
134	Not All Anionic Polyelectrolytes Complex with DTAB. Langmuir, 2009, 25, 13712-13717.	3.5	16
135	Silicone stabilized poly(methyl methacrylate) nonaqueous latex. Journal of Colloid and Interface Science, 1991, 147, 523-530.	9.4	15
136	Wood pulp washing 1. Complex formation between kraft lignin and cationic polymers. Colloids and Surfaces, 1992, 64, 217-222.	0.9	15
137	Cationic polyvinylamine binding to anionic microgels yields kinetically controlled structures. Journal of Colloid and Interface Science, 2012, 369, 223-230.	9.4	15
138	Adhesion measurements of polystyrene spheres attached to pyrex by polymeric flocculents in aqueous solution. Colloids and Surfaces, 1982, 4, 397-400.	0.9	14
139	The association of aqueous phenolic resin with polyethylene oxide and poly(acrylamide-co-ethylene) Tj ETQq1 1 0.784314 rgBT /Overlo	2.3	14
140	The influence of PEO/poly(vinyl phenol-co-styrene sulfonate) aqueous complex structure on flocculation. Journal of Colloid and Interface Science, 2003, 261, 65-73.	9.4	14
141	Polymer Assembly Exploiting Three Independent Interactions. Langmuir, 2007, 23, 8806-8809.	3.5	14
142	Targeted Disinfection of E. coli via Bioconjugation to Photoreactive TiO₂. Bioconjugate Chemistry, 2013, 24, 448-455.	3.6	14
143	Switching off PAE wet strength. Nordic Pulp and Paper Research Journal, 2019, 34, 88-95.	0.7	14
144	Shapes of Polyelectrolyte Titration Curves. 1. Well-Behaved Strong Polyelectrolytes. Analytical Chemistry, 2007, 79, 8114-8117.	6.5	13

#	Article	IF	Citations
145	Microgel Adhesives for Wet Cellulose: Measurements and Modeling. Langmuir, 2012, 28, 5450-5457.	3.5	13
146	Hydrazide-Derivatized Microgels Bond to Wet, Oxidized Cellulose Giving Adhesion Without Drying or Curing. ACS Applied Materials & Interfaces, 2017, 9, 21000-21009.	8.0	13
147	Optimizing piezoelectric inkjet printing of silica sols for biosensor production. Journal of Sol-Gel Science and Technology, 2018, 87, 657-664.	2.4	13
148	Increasing wet adhesion between cellulose surfaces with polyvinylamine. Cellulose, 2019, 26, 341-353.	4.9	13
149	DNA Stickers Promote Polymer Adsorption onto Cellulose. Biomacromolecules, 2012, 13, 3173-3180.	5.4	12
150	Weak Gelation of Hydrophobic Guar by Albumin in Simulated Human Tear Solutions. Biomacromolecules, 2014, 15, 4637-4642.	5.4	12
151	Factors influencing agricultural spray deposit structures on hydrophobic surfaces. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2018, 553, 288-294.	4.7	12
152	The influence of dextran derivatives on polyethylene oxide and polyacrylamide-induced calcium carbonate flocculation and floc strength. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 1999, 159, 31-45.	4.7	11
153	The Effects of Temperature and Methanol Concentration on the Properties of Poly(N-isopropylacrylamide) at the Air/Solution Interface. Langmuir, 2001, 17, 5118-5120.	3.5	11
154	Shapes of Polyelectrolyte Titration Curves. 2. The Deviant Behavior of Labile Polyelectrolytes. Macromolecules, 2008, 41, 8198-8203.	4.8	11
155	Controlling the Assembly of Nanoparticle Mixtures With Two Orthogonal Polymer Complexation Reactions. Langmuir, 2012, 28, 3112-3119.	3.5	11
156	Degradable Microgel Wet-Strength Adhesives: A Route to Enhanced Paper Recycling. ACS Sustainable Chemistry and Engineering, 2017, 5, 10544-10550.	6.7	11
157	Relating Redox Properties of Polyvinylamine-<i>g</i>-TEMPO/Laccase Hydrogel Complexes to Cellulose Oxidation. Langmuir, 2017, 33, 7854-7861.	3.5	11
158	Purification of monoclonal antibody using cation exchange z2 laterally-fed membrane chromatography â€“ A potential alternative to protein A affinity chromatography. Biochemical Engineering Journal, 2022, 178, 108293.	3.6	11
159	The Peeling Behavior of Pressure Sensitive Adhesives from Uncoated Papers. Journal of Adhesion, 2001, 77, 285-308.	3.0	10
160	Simple Approach for Quantifying the Thermodynamic Potential of Polymerâ€“Polymer Adhesion. Journal of Adhesion, 2006, 82, 121-133.	3.0	10
161	An inkjet-printed bioactive paper sensor that reports ATP through odour generation. Analyst, The, 2014, 139, 4775.	3.5	10
162	Wet-peel: a tool for comparing wet-strength resins. Nordic Pulp and Paper Research Journal, 2018, 33, 632-646.	0.7	10

#	Article	IF	Citations
163	A model of foam growth in the presence of antifoam emulsion. Chemical Engineering Science, 1996, 51, 4437-4442.	3.8	9
164	Colloidal Flocculation with Poly(ethylene oxide)/Polypeptide Complexes. Langmuir, 2002, 18, 4536-4538.	3.5	9
165	Adhesion to wet cellulose â€“ Comparing adhesive layer-by-layer assembly to coating polyelectrolyte complex suspensions 2nd ICC 2007, Tokyo, Japan, October 25â€“29, 2007. Holzforschung, 2009, 63, .	1.9	9
166	Chloramide copolymers from reacting poly(N-isopropylacrylamide) with bleach. European Polymer Journal, 2013, 49, 2196-2201.	5.4	9
167	Facile Phenylboronate Modification of Silica by a Silaneboronate. Langmuir, 2013, 29, 594-598.	3.5	9
168	Aminated Thermoresponsive Microgels Prepared from the Hofmann Rearrangement of Amides without Side Reactions. Langmuir, 2014, 30, 6763-6767.	3.5	9
169	Design Rules for Fluorocarbon-Free Omniphobic Solvent Barriers in Paper-Based Devices. ACS Applied Materials & Interfaces, 2015, 7, 25434-25440.	8.0	9
170	NMR investigations of the structure of water-soluble poly(ethylene oxide) complexes with polystyrene sulfonate copolymers. Colloid and Polymer Science, 2003, 281, 150-156.	2.1	8
171	Paper properties affecting pressure-sensitive tape adhesion. Journal of Adhesion Science and Technology, 2004, 18, 1625-1641.	2.6	8
172	Bovine Serum Albumin (BSA) as an adhesive for wet cellulose. Cellulose, 2006, 13, 537-545.	4.9	8
173	Borate Binding to Polyol-Stabilized Latex. Langmuir, 2011, 27, 2118-2123.	3.5	8
174	Controlling biotinylation of microgels and modeling streptavidin uptake. Colloid and Polymer Science, 2011, 289, 659-666.	2.1	8
175	Polyvinylamine-g-galactose is a route to bioactivated silica surfaces. Journal of Colloid and Interface Science, 2014, 413, 86-91.	9.4	8
176	Novel cofactors/PEO flocculation systems for colloidal suspensions. Nordic Pulp and Paper Research Journal, 2000, 15, 395-399.	0.7	7
177	Defoamers: linking fundamentals to formulations. Polymer International, 2003, 52, 479-485.	3.1	7
178	Flocculation with Poly(ethylene oxide)/Tyrosine-Rich Polypeptide Complexes. Langmuir, 2005, 21, 3765-3772.	3.5	7
179	Redox Properties of Polyvinylamine-<i>g</i>-TEMPO in Multilayer Films with Sodium Poly(styrenesulfonate). ACS Applied Materials & Interfaces, 2017, 9, 5622-5628.	8.0	7
180	Wood pulp washing 2. Displacement washing of aqueous lignin from model beds with cationic polymer solutions. Colloids and Surfaces, 1992, 64, 223-234.	0.9	6

#	Article	IF	Citations
181	Synthesis of nonionic flocculants by gamma irradiation of mixtures of polyacrylamide and poly(ethylene oxide). Journal of Applied Polymer Science, 1994, 54, 805-813.	2.6	6
182	The influence of phenolic cofactors on the properties of calcium carbonate flocs formed with PEO. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 1999, 155, 231-239.	4.7	6
183	PEO Flocculation with Phenolic Microparticles. Journal of Colloid and Interface Science, 2002, 254, 101-107.	9.4	6
184	Factors Influencing the Size of PEO Complexes with a Tyrosine-Rich Polypeptide. Langmuir, 2004, 20, 3962-3968.	3.5	6
185	Interactions of Hydrophobically Modified Polyvinylamine with Pluronic Triblock Copolymer Micelles. Langmuir, 2006, 22, 4952-4958.	3.5	6
186	Challenges to Achieving Strong but Fully Degradable Adhesive Joints between Wet Cellulose Surfaces. Langmuir, 2019, 35, 13286-13291.	3.5	6
187	Dependence of in situ precipitate deposition on flow characteristics in multi-permeability porous media. Chemical Engineering Science, 1997, 52, 2963-2975.	3.8	5
188	Preparation and characterization of graft copolymers of polyacrylamide and polyethylenimine. European Polymer Journal, 1998, 34, 1199-1205.	5.4	5
189	Preparation and characterization of polystyreneâ€“poly(p-acetoxystyrene) and polystyreneâ€“poly(p-vinylphenol) composite latex particles. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2002, 201, 161-171.	4.7	5
190	Photoflocculation of TiO₂ Microgel Mixed Suspensions. Langmuir, 2008, 24, 9341-9343.	3.5	5
191	N-Chlorinated Poly(<i>N</i>-isopropylacrylamide) Microgels. Langmuir, 2013, 29, 12924-12929.	3.5	5
192	Flexographic printability of sol-gel precursor dispersions for bioactive paper. Nordic Pulp and Paper Research Journal, 2013, 28, 450-457.	0.7	5
193	On formulating ophthalmic emulsions. Colloids and Surfaces B: Biointerfaces, 2014, 122, 7-11.	5.0	5
194	A simple assay for azide surface groups on clickable polymeric nanoparticles. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2016, 508, 192-196.	4.7	5
195	A Colloidal Stability Assay Suitable for High-Throughput Screening. Analytical Chemistry, 2016, 88, 2929-2936.	6.5	5
196	High-yield grafting of carboxylated polymers to wood pulp fibers. Cellulose, 2021, 28, 7311-7326.	4.9	5
197	The growth of bubbles on pulp fibers and on carbon black dispersed in supersaturated carbon dioxide solutions. Nordic Pulp and Paper Research Journal, 1994, 9, 129-133.	0.7	5
198	Polyelectrolyte precipitate formation during miscible displacement in porous media. AICHE Journal, 1997, 43, 2415-2423.	3.6	4

#	Article	IF	Citations
199	PEO Penetration into Water-Plasticized Poly(vinylphenol) Thin Films. Macromolecules, 2004, 37, 494-500.	4.8	4
200	Cationic Liposome Colloidal Stability in the Presence of Guar Derivatives Suggests Depletion Interactions May be Operative in Artificial Tears. Biomacromolecules, 2010, 11, 2460-2464.	5.4	4
201	Design Rules for Microgel-Supported Adhesives. Industrial & Engineering Chemistry Research, 2012, 51, 9564-9570.	3.7	4
202	Hypochlorite activated poly(N-isopropylacrylamide)-core poly(N-isopropylmethacrylamide)-shell microgelsâ€"An oxidant with the potential to kill cells. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2014, 457, 340-344.	4.7	4
203	Emulsion/Surface Interactions from Quiescent Quartz Crystal Microbalance Measurements with an Inverted Sensor. Langmuir, 2015, 31, 7238-7241.	3.5	4
204	Printed Thin Films with Controlled Porosity as Lateral Flow Media. Industrial & Engineering Chemistry Research, 2019, 58, 21014-21021.	3.7	4
205	High Yield Poly(ethylene-<i>alt</i>-maleic acid) Grafting to Wood Pulp while Minimizing Fiber/Fiber Wet Adhesion. Biomacromolecules, 2021, 22, 3060-3068.	5.4	4
206	Water-Soluble Anionic Polychloramide Biocides Based on Maleic Anhydride Copolymers. Colloids and Surfaces B: Biointerfaces, 2022, 215, 112487.	5.0	4
207	Compactable Porous and Fibrous Beds Formed from Dilute Pulp Suspensions. Industrial & Engineering Chemistry Research, 2002, 41, 572-578.	3.7	3
208	New analysis of peeling data from paper. Journal of Materials Science Letters, 2003, 22, 265-266.	0.5	3
209	Amine-derivatized poly(diallyldimethylammonium chloride) fromN-vinylformamide copolymerization. Journal of Applied Polymer Science, 2007, 104, 1068-1075.	2.6	3
210	The role of polymer compatibility in the adhesion between surfaces saturated with modified dextrans. Journal of Colloid and Interface Science, 2007, 310, 312-320.	9.4	3
211	Effect of Cross-Linking Fiber Joints on the Tensile and Fracture Behavior of Paper. Industrial & Engineering Chemistry Research, 2010, 49, 6422-6431.	3.7	3
212	Charge regulation enables anionic hydroxypropyl guar-borate adsorption onto anionic and cationic polystyrene latex. Journal of Colloid and Interface Science, 2011, 353, 557-561.	9.4	3
213	Adsorption of aqueous copper chlorophyllin mixtures on model surfaces. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2020, 592, 124578.	4.7	3
214	A network of zones model for reactive polymer enhanced miscible displacement in a porous cylinder. Chemical Engineering Science, 1998, 53, 3545-3559.	3.8	2
215	A Capping Method for Nitrogen Anion Initiated Living Anionic Polymerization for Synthesizing Alkyl Methacrylate Macromonomers. Macromolecules, 2001, 34, 376-381.	4.8	2
216	Long-term stability of an ambient self-curable latex based on colloidal dispersions in water of two reactive polymers. Journal of Polymer Science Part A, 2005, 43, 2598-2605.	2.3	2

#	Article	IF	Citations
217	Glass bead-bead collisions abrade adsorbed soft-shell polymeric nanoparticles leaving footprints. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2017, 533, 159-168.	4.7	2
218	Carboxylated bleached kraft pulp from maleic anhydride copolymers. Nordic Pulp and Paper Research Journal, 2021, .	0.7	2
219	Grafted maleic acid copolymer giving thermosetting kraft pulp. Cellulose, 2022, 29, 3745-3758.	4.9	2
220	A comparison of chain length distributions of polymers terminally and randomly anchored to a solid/solution interface. Colloids and Surfaces, 1989, 40, 43-48.	0.9	1
221	The synthesis of poly(3,4-dihydroxystyrene) and poly[(sodium) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 582 Td (4-styrenesulfonat		1
222	[3-(Propenamido)phenyl]boronic acid. Acta Crystallographica Section E: Structure Reports Online, 2007, 63, o4628-o4628.	0.2	0
223	The Remarkable Adhesion of Cellulose Hydrogel to Polyvinylamine Bearing Pendent Phenylboronic Acid. Journal of Adhesion Science and Technology, 2011, 25, 543-555.	2.6	0
224	Preventing the release of copper chlorophyllin from crop spray deposits on hydrophobic surfaces. Journal of Colloid and Interface Science, 2021, 582, 1149-1157.	9.4	0
225	PAPER PHYSICS. Paper-based device for pre-concentration of target analytes. Nordic Pulp and Paper Research Journal, 2012, 27, 814-819.	0.7	0
226	On increasing wet-web strength with adhesive polymers. Tappi Journal, 2020, 19, 63-67.	0.5	0