

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

204 papers	9,181 citations	51 h-index	87 g-index
208 ext. papers	9,965 ext. citations	4 avg, IF	6.74 L-index

#	Paper	IF	Citations
204	Butyl rubber-based interpenetrating polymer networks with side chain crystallinity: Self-healing and shape-memory polymers with tunable thermal and mechanical properties. <i>European Polymer Journal</i> , 2022 , 168, 111098	5.2	1
203	Solvent-Free UV Polymerization of -Octadecyl Acrylate in Butyl Rubber: A Simple Way to Produce Tough and Smart Polymeric Materials at Ambient Temperature. <i>ACS Applied Materials & Interfaces</i> , 2021 , 13, 21786-21799	9.5	6
202	Performance of butyl rubber-based macroporous sorbents as passive samplers. <i>Environmental Science and Pollution Research</i> , 2021 , 28, 3766-3773	5.1	2
201	Re-Entrant Conformation Transition in Hydrogels. <i>Gels</i> , 2021 , 7,	4.2	1
200	Bisphosphonate-functionalized poly(amido amine) crosslinked 2-hydroxyethyl methacrylate hydrogel as tissue engineering scaffold. <i>European Polymer Journal</i> , 2021 , 159, 110732	5.2	0
199	Preparation of dextran cryogels for separation processes of binary dye and pesticide mixtures from aqueous solutions. <i>Polymer Engineering and Science</i> , 2020 , 60, 1890-1901	2.3	4
198	Highly stretchable and thermally healable polyampholyte hydrogels via hydrophobic modification. <i>Colloid and Polymer Science</i> , 2020 , 298, 273-284	2.4	11
197	How to Design Both Mechanically Strong and Self-Healable Hydrogels?. <i>Advances in Polymer Science</i> , 2020 , 21-62	1.3	3
196	Hydrophobically modified nanocomposite hydrogels with self-healing ability. <i>Journal of Applied Polymer Science</i> , 2020 , 137, 48853	2.9	3
195	Alendronate-functionalized poly(amido amine) cryogels of high-toughness for biomedical applications. <i>Polymer</i> , 2020 , 190, 122248	3.9	5
194	Stretchable silk fibroin hydrogels. <i>International Journal of Biological Macromolecules</i> , 2020 , 161, 1371-1380	3.9	6
193	Behaviors of quenched polyampholytes in solution and gel state. <i>Polymers for Advanced Technologies</i> , 2020 , 32, 2639	3.2	4
192	Macroporous methacrylated hyaluronic acid cryogels of high mechanical strength and flow-dependent viscoelasticity. <i>Carbohydrate Polymers</i> , 2020 , 229, 115458	10.3	10
191	Semicrystalline physical hydrogels with shape-memory and self-healing properties. <i>Journal of Materials Chemistry B</i> , 2019 , 7, 1581-1596	7.3	30
190	Structure-property relationships of novel phosphonate-functionalized networks and gels of poly(Eamino esters). <i>European Polymer Journal</i> , 2019 , 113, 155-164	5.2	3
189	One-Step Injectable and Bio reducible Poly(EAmino Ester) Hydrogels as Controlled Drug Delivery Platforms. <i>ACS Applied Polymer Materials</i> , 2019 , 1, 1724-1734	4.3	14
188	Semi-Crystalline, Three-Segmented Hybrid Gels with Multiple Shape-Memory Effect. <i>Macromolecular Symposia</i> , 2019 , 385, 1800164	0.8	5

187	A Self-Healing and Highly Stretchable Polyelectrolyte Hydrogel via Cooperative Hydrogen Bonding as a Superabsorbent Polymer. <i>Macromolecules</i> , 2019 , 52, 3257-3267	5.5	45
186	Cryogel composites based on hyaluronic acid and halloysite nanotubes as scaffold for tissue engineering. <i>International Journal of Biological Macromolecules</i> , 2019 , 130, 627-635	7.9	50
185	Single-, Double-, and Triple-Network Macroporous Rubbers as a Passive Sampler. <i>ACS Applied Materials & Interfaces</i> , 2019 , 11, 28317-28326	9.5	3
184	Cryogenic formation-structure-property relationships of poly(2-acrylamido-2-methyl-1-propanesulfonic acid) cryogels. <i>Polymer</i> , 2019 , 178, 121603	3.9	3
183	High-strength and self-recoverable silk fibroin cryogels with anisotropic swelling and mechanical properties. <i>International Journal of Biological Macromolecules</i> , 2019 , 122, 1279-1289	7.9	26
182	Mechanically robust and stretchable silk/hyaluronic acid hydrogels. <i>Carbohydrate Polymers</i> , 2019 , 208, 413-420	10.3	38
181	Highly Stretchable and Rapid Self-Recoverable Cryogels Based on Butyl Rubber as Reusable Sorbent. <i>Gels</i> , 2019 , 5,	4.2	16
180	Highly Stretchable DNA/Clay Hydrogels with Self-Healing Ability. <i>ACS Applied Materials & Interfaces</i> , 2018 , 10, 8296-8306	9.5	32
179	Hybrid cross-linked poly(2-acrylamido-2-methyl-1-propanesulfonic acid) hydrogels with tunable viscoelastic, mechanical and self-healing properties. <i>Reactive and Functional Polymers</i> , 2018 , 123, 70-79	4.6	27
178	Interfacing Soft and Hard Materials with Triple-Shape-Memory and Self-Healing Functions. <i>Macromolecules</i> , 2018 , 51, 2437-2446	5.5	27
177	Toughness improvement and anisotropy in semicrystalline physical hydrogels. <i>Polymer</i> , 2018 , 151, 208-217	3.7	4
176	Bisphosphonic Acid-Functionalized Cross-Linkers to Tailor Hydrogel Properties for Biomedical Applications. <i>ACS Omega</i> , 2018 , 3, 8638-8647	3.9	9
175	Monitoring the Instant Creation of a New Fluorescent Signal for Evaluation of DNA Conformation Based on Intercalation Complex. <i>Journal of Fluorescence</i> , 2018 , 28, 1325-1332	2.4	2
174	High-strength silk fibroin scaffolds with anisotropic mechanical properties. <i>Polymer</i> , 2017 , 112, 61-70	3.9	25
173	Polyampholyte hydrogels formed via electrostatic and hydrophobic interactions. <i>European Polymer Journal</i> , 2017 , 88, 191-204	5.2	36
172	Yielding Behavior of Tough Semicrystalline Hydrogels. <i>Macromolecules</i> , 2017 , 50, 3647-3654	5.5	51
171	Cryogelation within cryogels: Silk fibroin scaffolds with single-, double- and triple-network structures. <i>Polymer</i> , 2017 , 128, 47-56	3.9	23
170	Mechanically strong hyaluronic acid hydrogels with an interpenetrating network structure. <i>European Polymer Journal</i> , 2017 , 94, 185-195	5.2	25

169	Reversibility of strain stiffening in silk fibroin gels. <i>International Journal of Biological Macromolecules</i> , 2017 , 95, 24-31	7.9	8
168	Nanocomposite DNA hydrogels with temperature sensitivity. <i>Polymer</i> , 2016 , 100, 169-178	3.9	10
167	Melt-Processable Shape-Memory Hydrogels with Self-Healing Ability of High Mechanical Strength. <i>Macromolecules</i> , 2016 , 49, 7442-7449	5.5	93
166	Nanostructural Evolution and Self-Healing Mechanism of Micellar Hydrogels. <i>Macromolecules</i> , 2016 , 49, 2281-2287	5.5	76
165	High-strength semi-crystalline hydrogels with self-healing and shape memory functions. <i>European Polymer Journal</i> , 2016 , 81, 12-23	5.2	37
164	Preparation and fracture process of high strength hyaluronic acid hydrogels cross-linked by ethylene glycol diglycidyl ether. <i>Reactive and Functional Polymers</i> , 2016 , 109, 42-51	4.6	26
163	Preparation and physical properties of hyaluronic acid-based cryogels. <i>Journal of Applied Polymer Science</i> , 2015 , 132,	2.9	44
162	Supramolecular Polymer Networks and Gels. <i>Advances in Polymer Science</i> , 2015 ,	1.3	22
161	Self-Healing Hydrogels Formed via Hydrophobic Interactions. <i>Advances in Polymer Science</i> , 2015 , 101-142.	4.3	29
160	Mechanically strong triple network hydrogels based on hyaluronan and poly(N,N-dimethylacrylamide). <i>Soft Matter</i> , 2015 , 11, 8517-24	3.6	19
159	Self-healing poly(N-isopropylacrylamide) hydrogels. <i>European Polymer Journal</i> , 2015 , 72, 12-22	5.2	25
158	Self-Healing Poly(acrylic acid) Hydrogels: Effect of Surfactant. <i>Macromolecular Symposia</i> , 2015 , 358, 232-238	2.38	12
157	Surfactant-induced healing of tough hydrogels formed via hydrophobic interactions. <i>Colloid and Polymer Science</i> , 2014 , 292, 511-517	2.4	21
156	Highly stretchable self-healing poly(N,N-dimethylacrylamide) hydrogels. <i>European Polymer Journal</i> , 2014 , 59, 113-121	5.2	64
155	Self-Healing Poly(acrylic acid) Hydrogels with Shape Memory Behavior of High Mechanical Strength. <i>Macromolecules</i> , 2014 , 47, 6889-6899	5.5	201
154	Nonionic Double and Triple Network Hydrogels of High Mechanical Strength. <i>Macromolecules</i> , 2014 , 47, 6430-6440	5.5	69
153	Porous rubber cryogels: effect of the gel preparation temperature. <i>Polymer Bulletin</i> , 2014 , 71, 1983-1992.	2.4	5
152	Polymeric Cryogels. <i>Advances in Polymer Science</i> , 2014 ,	1.3	32

151	A Brief History of Polymeric Cryogels. <i>Advances in Polymer Science</i> , 2014 , 1-48	1.3	78
150	Basic Principles of Cryotropic Gelation. <i>Advances in Polymer Science</i> , 2014 , 49-101	1.3	77
149	Synthesis and Structure-Property Relationships of Cryogels. <i>Advances in Polymer Science</i> , 2014 , 103-157	1.3	59
148	Autonomic self-healing in covalently crosslinked hydrogels containing hydrophobic domains. <i>Polymer</i> , 2013 , 54, 6381-6388	3.9	66
147	Self-healing polyacrylic acid hydrogels. <i>Soft Matter</i> , 2013 , 9, 10287	3.6	84
146	Self-healing hydrogels formed in cationic surfactant solutions. <i>Soft Matter</i> , 2013 , 9, 2254	3.6	76
145	Macroporous silk fibroin cryogels. <i>Biomacromolecules</i> , 2013 , 14, 719-27	6.9	106
144	Ethidium bromide binding to DNA cryogels. <i>Reactive and Functional Polymers</i> , 2013 , 73, 442-450	4.6	24
143	Tough interpenetrating Pluronic F127/polyacrylic acid hydrogels. <i>Polymer</i> , 2013 , 54, 2979-2987	3.9	28
142	Shape Memory Hydrogels via Micellar Copolymerization of Acrylic Acid and n-Octadecyl Acrylate in Aqueous Media. <i>Macromolecules</i> , 2013 , 46, 3125-3131	5.5	80
141	Swelling behavior of physical and chemical DNA hydrogels. <i>Journal of Applied Polymer Science</i> , 2013 , 128, 3330-3337	2.9	15
140	Structure optimization of self-healing hydrogels formed via hydrophobic interactions. <i>Polymer</i> , 2012 , 53, 5513-5522	3.9	142
139	Diepoxide-triggered conformational transition of silk fibroin: formation of hydrogels. <i>Biomacromolecules</i> , 2012 , 13, 1122-8	6.9	36
138	Dynamics and Large Strain Behavior of Self-Healing Hydrogels with and without Surfactants. <i>Macromolecules</i> , 2012 , 45, 1991-2000	5.5	191
137	Tough and Self-Healing Hydrogels Formed via Hydrophobic Interactions. <i>Macromolecules</i> , 2011 , 44, 4997-5005	5.5	569
136	Solution Cross-Linked Natural Rubber (NR)/Clay Aerogel Composites. <i>Macromolecules</i> , 2011 , 44, 923-931	5.5	51
135	DNA hydrogels: New functional soft materials. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 2011 , 49, 551-556	2.6	32
134	Macroporous, responsive DNA cryogel beads. <i>Reactive and Functional Polymers</i> , 2011 , 71, 782-790	4.6	41

133	Dodecyl methacrylate as a crosslinker in the preparation of tough polyacrylamide hydrogels. <i>Polymer</i> , 2011 , 52, 694-699	3.9	43
132	Hierarchically macroporous cryogels of polyisobutylene and silica nanoparticles. <i>Langmuir</i> , 2010 , 26, 7574-81	4	24
131	Evidence of Strain Hardening in DNA Gels. <i>Macromolecules</i> , 2010 , 43, 1530-1538	5.5	34
130	Rheological behavior of polymer/clay nanocomposite hydrogels: Effect of nanoscale interactions. <i>Journal of Applied Polymer Science</i> , 2010 , 116, NA-NA	2.9	7
129	Self-oscillating pH-responsive cryogels as possible candidates of soft materials for generating mechanical energy. <i>Journal of Applied Polymer Science</i> , 2010 , 118, 2981-2988	2.9	24
128	Macroporous rubber gels as reusable sorbents for the removal of oil from surface waters. <i>Reactive and Functional Polymers</i> , 2010 , 70, 585-595	4.6	49
127	Collapse of acrylamide-based polyampholyte hydrogels in water. <i>Journal of Applied Polymer Science</i> , 2009 , 113, 1375-1382	2.9	17
126	Preparation and characterization of single-hole macroporous organogel particles of high toughness and superfast responsivity. <i>European Polymer Journal</i> , 2009 , 45, 2033-2042	5.2	23
125	Design of high-toughness polyacrylamide hydrogels by hydrophobic modification. <i>Polymer</i> , 2009 , 50, 5449-5455	3.9	208
124	Macroporous hydrogel beads of high toughness and superfast responsivity. <i>Reactive and Functional Polymers</i> , 2009 , 69, 273-280	4.6	35
123	Evaluation of butyl rubber as sorbent material for the removal of oil and polycyclic aromatic hydrocarbons from seawater. <i>Environmental Science & Technology</i> , 2009 , 43, 3846-52	10.3	234
122	Formation of hydrogels by simultaneous denaturation and cross-linking of DNA. <i>Biomacromolecules</i> , 2009 , 10, 2652-61	6.9	51
121	General Properties of Hydrogels. <i>Springer Series on Chemical Sensors and Biosensors</i> , 2009 , 1-14	2	75
120	Production of Macroporous Polymeric Materials by Phase Separation Polymerization 2009 , 3-22		1
119	Homogeneous Poly(acrylamide) Hydrogels Made by Large Size, Flexible Dimethacrylate Cross-Linkers. <i>Macromolecules</i> , 2008 , 41, 7759-7761	5.5	19
118	Rheological Behavior of Responsive DNA Hydrogels. <i>Macromolecules</i> , 2008 , 41, 8847-8854	5.5	64
117	Preparation of Homogeneous Hydrogels by Controlling the Crosslinker Reactivity and Availability. <i>Journal of Macromolecular Science - Pure and Applied Chemistry</i> , 2008 , 45, 769-775	2.2	14
116	Tough organogels based on polyisobutylene with aligned porous structures. <i>Polymer</i> , 2008 , 49, 4626-4634	3.9	31

115	Preparation of macroporous poly(acrylamide) hydrogels in DMSO/water mixture at subzero temperatures. <i>Polymer Bulletin</i> , 2008 , 60, 169-180	2.4	20
114	Equilibrium swelling behavior and elastic properties of polymer/clay nanocomposite hydrogels. <i>Journal of Applied Polymer Science</i> , 2008 , 109, 3714-3724	2.9	67
113	Formation of macroporous poly(acrylamide) hydrogels in DMSO/water mixture: Transition from cryogelation to phase separation copolymerization. <i>Reactive and Functional Polymers</i> , 2008 , 68, 1467-1475	4.6	41
112	Macroporous Polyisobutylene Gels: A Novel Tough Organogel with Superfast Responsivity. <i>Macromolecules</i> , 2007 , 40, 8742-8749	5.5	65
111	Preparation of homogeneous polyacrylamide hydrogels by free-radical crosslinking copolymerization. <i>European Polymer Journal</i> , 2007 , 43, 2913-2921	5.2	32
110	Freezing as a path to build macroporous structures: Superfast responsive polyacrylamide hydrogels. <i>Polymer</i> , 2007 , 48, 195-204	3.9	100
109	Influence of the initiator system on the spatial inhomogeneity in acrylamide-based hydrogels. <i>Journal of Applied Polymer Science</i> , 2007 , 103, 3228-3237	2.9	30
108	Unusual swelling behavior of polymer/clay nanocomposite hydrogels. <i>Polymer</i> , 2007 , 48, 5016-5023	3.9	61
107	Polyacrylamide/Clay Nanocomposite Hydrogels: Rheological and Light Scattering Characterization. <i>Macromolecules</i> , 2007 , 40, 3378-3387	5.5	255
106	Preparation of Macroporous Acrylamide-based Hydrogels: Cryogelation under Isothermal Conditions. <i>Journal of Macromolecular Science - Pure and Applied Chemistry</i> , 2007 , 44, 1195-1202	2.2	31
105	Macroporous Hydrogels from Smart Polymers 2007 , 269-297		3
104	Correlation between crosslinking efficiency and spatial inhomogeneity in poly(acrylamide) hydrogels. <i>Polymer Bulletin</i> , 2006 , 57, 631-641	2.4	52
103	Swelling/Deswelling kinetics of ionic poly(acrylamide) hydrogels and cryogels. <i>Journal of Applied Polymer Science</i> , 2006 , 99, 319-325	2.9	45
102	Swelling/Deswelling kinetics of poly(N-isopropylacrylamide) hydrogels formed in PEG solutions. <i>Journal of Applied Polymer Science</i> , 2006 , 99, 37-44	2.9	28
101	Superfast Responsive Ionic Hydrogels: Effect of the Monomer Concentration. <i>Journal of Macromolecular Science - Pure and Applied Chemistry</i> , 2006 , 43, 1215-1225	2.2	14
100	Phase Transition of Acrylamide-Based Polyampholyte Gels in Water. <i>Journal of Macromolecular Science - Pure and Applied Chemistry</i> , 2006 , 43, 1635-1649	2.2	6
99	Network Development in Mixed Step-Chain Growth Thiol/Vinyl Photopolymerizations. <i>Macromolecules</i> , 2006 , 39, 8832-8843	5.5	50
98	Effect of initial monomer concentration on the equilibrium swelling and elasticity of hydrogels. <i>European Polymer Journal</i> , 2006 , 42, 955-960	5.2	22

97	Reentrant conformation transition in poly(N,N-dimethylacrylamide) hydrogels in water/organic solvent mixtures. <i>Polymer</i> , 2006 , 47, 561-568	3.9	46
96	Molecular Weight Development during Thiol-Ene Photopolymerizations. <i>Macromolecules</i> , 2005 , 38, 4501-4511	3.5	22
95	Superfast responsive ionic hydrogels with controllable pore size. <i>Polymer</i> , 2005 , 46, 8119-8127	3.9	86
94	Kinetic Modeling of Thiol-Ene Reactions with Both Step and Chain Growth Aspects. <i>Macromolecular Theory and Simulations</i> , 2005 , 14, 267-277	1.5	39
93	Effect of spatial gel inhomogeneity on the elastic modulus of strong polyelectrolyte hydrogels. <i>Polymer Bulletin</i> , 2005 , 54, 435-442	2.4	11
92	Spatial inhomogeneity in poly(acrylic acid) hydrogels. <i>Polymer</i> , 2005 , 46, 2595-2602	3.9	47
91	Suppression of inhomogeneities in hydrogels formed by free-radical crosslinking copolymerization. <i>Polymer</i> , 2005 , 46, 11407-11415	3.9	28
90	Shake gels based on Laponite/PEO mixtures: effect of polymer molecular weight. <i>Designed Monomers and Polymers</i> , 2005 , 8, 453-462	3.1	32
89	Non-Gaussian elasticity of poly(2-acrylamido-2-methylpropane sulfonic acid) gels. <i>Polymer Bulletin</i> , 2004 , 52, 83	2.4	11
88	Swelling and elasticity of hydrogels based on poly(ethylene oxide) macroinimer. <i>Polymer International</i> , 2004 , 53, 237-242	3.3	16
87	Swelling and elasticity of poly (N-isopropylacrylamide-co-4-vinyl benzene sulfonic acid sodium salt) hydrogels. <i>Journal of Applied Polymer Science</i> , 2004 , 94, 135-141	2.9	6
86	Swelling, Elasticity and Spatial Inhomogeneity of Poly(N,N-dimethylacrylamide) Hydrogels Formed at Various Polymer Concentrations. <i>Macromolecular Chemistry and Physics</i> , 2004 , 205, 814-823	2.6	81
85	Minimization of spatial inhomogeneity in polystyrene gels formed by free-radical mechanism. <i>European Polymer Journal</i> , 2004 , 40, 579-587	5.2	16
84	Effect of swelling on spatial inhomogeneity in poly(acrylamide) gels formed at various monomer concentrations. <i>Polymer</i> , 2004 , 45, 2567-2576	3.9	31
83	Elasticity of poly(acrylamide) gel beads. <i>Polymer Bulletin</i> , 2003 , 50, 287-294	2.4	15
82	Swelling behavior of strong polyelectrolyte poly(N-t-butylacrylamide-co-acrylamide) hydrogels. <i>European Polymer Journal</i> , 2003 , 39, 877-886	5.2	47
81	Swelling and elasticity of ionic poly(N-isopropylacrylamide) gels immersed in the melt of poly(ethylene glycol) chains. <i>Polymer</i> , 2003 , 44, 2281-2288	3.9	2
80	Effect of hydrolysis on spatial inhomogeneity in poly(acrylamide) gels of various crosslink densities. <i>Polymer</i> , 2003 , 44, 5239-5250	3.9	69

79	Non-Gaussian elasticity of swollen poly(N-isopropylacrylamide) gels at high charge densities. <i>European Polymer Journal</i> , 2003 , 39, 2209-2216	5.2	20
78	Effect of Initial Monomer Concentration on Spatial Inhomogeneity in Poly(acrylamide) Gels. <i>Macromolecules</i> , 2003 , 36, 6856-6862	5.5	97
77	Volume Phase Transition of Polymer Networks in Polymeric Solvents. <i>Macromolecular Theory and Simulations</i> , 2002 , 11, 287	1.5	3
76	Swelling and Mechanical Properties of Solution-Crosslinked Poly(isobutylene) Gels. <i>Macromolecular Chemistry and Physics</i> , 2002 , 203, 663-672	2.6	9
75	Reentrant phase transition of poly(N-isopropylacrylamide) gels in polymer solutions: Thermodynamic analysis. <i>Journal of Applied Polymer Science</i> , 2002 , 85, 801-813	2.9	6
74	Modification of polyindole by the incorporation of pyrrole unit. <i>Journal of Applied Polymer Science</i> , 2002 , 85, 814-820	2.9	48
73	Real-time temperature and photon transmission measurements for monitoring phase separation during the formation of poly(N-isopropylacrylamide) gels. <i>Journal of Applied Polymer Science</i> , 2002 , 86, 3589-3595	2.9	20
72	Swelling/shrinking hysteresis of poly(N-isopropylacrylamide) gels in sodium dodecylbenzenesulfonate solutions. <i>Journal of Applied Polymer Science</i> , 2002 , 83, 1228-1232	2.9	19
71	Macroporous poly(N-isopropylacrylamide) networks. <i>Polymer Bulletin</i> , 2002 , 48, 499-506	2.4	29
70	Temperature dependent swelling behavior of ionic poly(N-isopropylacrylamide) gels in PEG solutions. <i>Polymer Bulletin</i> , 2002 , 49, 181-188	2.4	12
69	Charge density dependence of elastic modulus of strong polyelectrolyte hydrogels. <i>Polymer</i> , 2002 , 43, 1215-1221	3.9	117
68	Temperature sensitive poly(N-t-butylacrylamide-co-acrylamide) hydrogels: synthesis and swelling behavior. <i>Polymer</i> , 2002 , 43, 5017-5026	3.9	65
67	Rubber Elasticity of Poly(N-isopropylacrylamide) Gels at Various Charge Densities. <i>Macromolecules</i> , 2002 , 35, 5616-5622	5.5	90
66	Inhomogeneities in poly(acrylamide) gels: position-dependent elastic modulus measurements. <i>Polymer Bulletin</i> , 2001 , 46, 409-418	2.4	31
65	Elastic behaviour of solution cross-linked poly(isobutylene) gels under large compression. <i>Polymer</i> , 2001 , 42, 3771-3777	3.9	3
64	Macroporous poly(N-isopropyl)acrylamide networks: formation conditions. <i>Polymer</i> , 2001 , 42, 7639-7652	3.9	147
63	Reentrant Phase Transition of Strong Polyelectrolyte Poly(N-isopropylacrylamide) Gels in PEG Solutions. <i>Macromolecular Chemistry and Physics</i> , 2001 , 202, 304-312	2.6	25
62	Gel growth in free radical crosslinking copolymerization: Effect of inactive gel radicals. <i>Macromolecular Theory and Simulations</i> , 2000 , 9, 354-361	1.5	2

61	Acrylamide/2-acrylamido-2-methylpropane sulfonic acid sodium salt-based hydrogels: synthesis and characterization. <i>Polymer</i> , 2000 , 41, 3693-3704	3.9	244
60	Swelling of strong polyelectrolyte hydrogels in polymer solutions: effect of ion pair formation on the polymer collapse. <i>Polymer</i> , 2000 , 41, 5737-5747	3.9	52
59	Phase separation during the formation of poly(acrylamide) hydrogels. <i>Polymer</i> , 2000 , 41, 5729-5735	3.9	35
58	Swelling behavior of poly(acrylamide-co-sodium acrylate) hydrogels in aqueous salt solutions: theory versus experiments. <i>European Polymer Journal</i> , 2000 , 36, 393-399	5.2	77
57	Macroporous copolymer networks. <i>Progress in Polymer Science</i> , 2000 , 25, 711-779	29.6	633
56	In situ photon transmission technique for monitoring phase separation in real time during gelation. <i>Polymer Bulletin</i> , 2000 , 45, 281-285	2.4	5
55	The effect of preparation temperature on the swelling behavior of poly (N-isopropylacrylamide) gels. <i>Polymer Bulletin</i> , 2000 , 45, 175-182	2.4	18
54	Solution Cross-Linked Poly(isobutylene) Gels: Synthesis and Swelling Behavior. <i>Macromolecules</i> , 2000 , 33, 4822-4827	5.5	51
53	Phase separation in free-radical crosslinking copolymerization: formation of heterogeneous polymer networks. <i>Polymer</i> , 1999 , 40, 4117-4129	3.9	51
52	Free-radical crosslinking copolymerization of styrene and divinylbenzene: real time monitoring of the gel effect using fluorescence probe. <i>Polymer</i> , 1999 , 40, 6179-6187	3.9	65
51	Observation of critical opalescence in free radical crosslinking copolymerization of styrene and divinylbenzene by fluorescence method. <i>European Polymer Journal</i> , 1999 , 35, 2025-2029	5.2	9
50	Heterogeneities during the formation of poly(sodium acrylate) hydrogels. <i>Polymer Bulletin</i> , 1999 , 43, 425-431	2.4	14
49	Pore memory of macroporous styrene-divinylbenzene copolymers. <i>Journal of Applied Polymer Science</i> , 1999 , 71, 1055-1062	2.9	26
48	Formation of macroporous styrene-divinylbenzene copolymer networks: Theory vs. experiments. <i>Journal of Applied Polymer Science</i> , 1999 , 74, 2181-2195	2.9	19
47	Swelling of polyacrylamide gels in polyacrylamide solutions 1998 , 36, 1313-1320		26
46	Structure and protein separation efficiency of poly(N-isopropylacrylamide) gels: Effect of synthesis conditions. <i>Journal of Applied Polymer Science</i> , 1998 , 67, 805-814	2.9	73
45	Swelling behavior of anionic acrylamide-based hydrogels in aqueous salt solutions: Comparison of experiment with theory. <i>Journal of Applied Polymer Science</i> , 1998 , 70, 567-575	2.9	78
44	Effects of cyclization and electrostatic interactions on the termination rate of macroradicals in free-radical crosslinking copolymerization. <i>Polymer Bulletin</i> , 1998 , 40, 491-498	2.4	11

43	Heterogeneities in polyacrylamide gels immersed in acetone-water mixtures. <i>Polymer Bulletin</i> , 1998 , 41, 363-370	2.4	6
42	Macroporous styrene-divinylbenzene copolymers: Formation of stable porous structures during the copolymerization. <i>Polymer Bulletin</i> , 1998 , 41, 379-385	2.4	22
41	Microgels-Intramolecularly Crosslinked Macromolecules with a Globular Structure 1998 , 139-234		190
40	Effects of cyclization and pendant vinyl group reactivity on the swelling behavior of polyacrylamide gels. <i>Polymer Bulletin</i> , 1997 , 39, 233-239	2.4	20
39	Phase transition of polyacrylamide gels in PEG solutions. <i>Polymer Gels and Networks</i> , 1997 , 5, 167-184		14
38	Swelling of polyacrylamide gels in aqueous solutions of ethylene glycol oligomers. <i>Polymer Gels and Networks</i> , 1997 , 5, 339-356		12
37	Gel formation by chain-crosslinking photopolymerization of methyl methacrylate and ethylene glycol dimethacrylate. <i>Polymer</i> , 1997 , 38, 1187-1196	3.9	49
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