

Xiao Xia Zhu

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271
papers

9,194
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47
h-index

80
g-index

276
ext. papers

9,969
ext. citations

5.2
avg, IF

6.56
L-index

#	Paper	IF	Citations
271	Polymer microspheres for controlled drug release. <i>International Journal of Pharmaceutics</i> , 2004 , 282, 1-18	6.5	1013
270	Physical models of diffusion for polymer solutions, gels and solids. <i>Progress in Polymer Science</i> , 1999 , 24, 731-775	29.6	659
269	Thermosensitivity of Aqueous Solutions of Poly(N,N-diethylacrylamide). <i>Macromolecules</i> , 1999 , 32, 1260-1263	5.3	295
268	Lower critical solution temperatures of N -substituted acrylamide copolymers in aqueous solutions. <i>Polymer</i> , 1999 , 40, 6985-6990	3.9	210
267	Self-Healing Supramolecular Hydrogel Made of Polymers Bearing Cholic Acid and β -Cyclodextrin Pendants. <i>Chemistry of Materials</i> , 2015 , 27, 387-393	9.6	143
266	Polymeric materials containing bile acids. <i>Accounts of Chemical Research</i> , 2002 , 35, 539-46	24.3	123
265	Thermo-responsive block copolymers with multiple phase transition temperatures in aqueous solutions. <i>Progress in Polymer Science</i> , 2015 , 42, 154-176	29.6	108
264	Oxygen inhibition in dental resins. <i>Journal of Dental Research</i> , 2005 , 84, 725-9	8.1	107
263	Enzymatically crosslinked alginate hydrogels with improved adhesion properties. <i>Polymer Chemistry</i> , 2015 , 6, 2204-2213	4.9	99
262	Fluorescence and NMR Studies of the Effect of a Bile Acid Dimer on the Micellization of Bile Salts. <i>Langmuir</i> , 1998 , 14, 4025-4029	4	95
261	Effects of Substitution Groups on the RAFT Polymerization of N-Alkylacrylamides in the Preparation of Thermosensitive Block Copolymers. <i>Macromolecules</i> , 2007 , 40, 6481-6488	5.5	94
260	Effect of the molecular weight on the lower critical solution temperature of poly(N,N-diethylacrylamide) in aqueous solutions. <i>Canadian Journal of Chemistry</i> , 2001 , 79, 1870-1874	0.9	93
259	Rational design of thermoresponsive polymers in aqueous solutions: A thermodynamics map. <i>Progress in Polymer Science</i> , 2019 , 90, 269-291	29.6	89
258	Layer-by-layer multilayer films linked with reversible boronate ester bonds with glucose-sensitivity under physiological conditions. <i>Soft Matter</i> , 2009 , 5, 2302	3.6	87
257	Inorganic Fillers for Dental Resin Composites: Present and Future. <i>ACS Biomaterials Science and Engineering</i> , 2016 , 2, 1-11	5.5	86
256	A simple FTIR spectroscopic method for the determination of the lower critical solution temperature of N-isopropylacrylamide copolymers and related hydrogels. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 2000 , 38, 907-915	2.6	77
255	Two-Way Reversible Shape Memory Polymers Made of Cross-Linked Cocrystallizable Random Copolymers with Tunable Actuation Temperatures. <i>Macromolecules</i> , 2017 , 50, 8570-8579	5.5	75

254	Polyelectrolyte complex of carboxymethyl starch and chitosan as drug carrier for oral administration. <i>Carbohydrate Polymers</i> , 2011 , 84, 1399-1407	10.3	74
253	Multishape Memory Effect of Norbornene-Based Copolymers with Cholic Acid Pendant Groups. <i>Macromolecules</i> , 2012 , 45, 1924-1930	5.5	72
252	A mini review: Shape memory polymers for biomedical applications. <i>Frontiers of Chemical Science and Engineering</i> , 2017 , 11, 143-153	4.5	70
251	Multiple and two-way reversible shape memory polymers: Design strategies and applications. <i>Progress in Materials Science</i> , 2019 , 105, 100572	42.2	70
250	An investigation of the hydrogen-bonding structure in bilirubin by 1H double-quantum magic-angle spinning solid-state NMR spectroscopy. <i>Journal of the American Chemical Society</i> , 2001 , 123, 4275-85	16.4	70
249	Viscoelastic Effect on the Formation of Mesoglobular Phase in Dilute Solutions. <i>Macromolecules</i> , 2004 , 37, 4989-4992	5.5	69
248	Main-chain bile acid based degradable elastomers synthesized by entropy-driven ring-opening metathesis polymerization. <i>Angewandte Chemie - International Edition</i> , 2006 , 45, 6872-4	16.4	66
247	Formation of inclusion complexes of cyclodextrins with bile salt anions as determined by NMR titration studies. <i>Langmuir</i> , 1994 , 10, 1034-1039	4	66
246	Synthesis and characterization of thermo- and pH- sensitive hydrogels based on Chitosan-grafted N-isopropylacrylamide via Γ radiation. <i>Radiation Physics and Chemistry</i> , 2005 , 74, 26-30	2.5	65
245	Recent advances in entropy-driven ring-opening polymerizations. <i>Polymer Chemistry</i> , 2011 , 2, 791-799	4.9	64
244	Synthesis and micellization of thermo- and pH-responsive block copolymer of poly(N-isopropylacrylamide)-block-poly(4-vinylpyridine). <i>Polymer</i> , 2007 , 48, 1711-1717	3.9	64
243	Shape Memory Polymers Based on Naturally-Occurring Bile Acids. <i>Macromolecules</i> , 2009 , 42, 7324-7331	5.5	60
242	Study of the phase transition of poly(N,N-diethylacrylamide) in water by rheology and dynamic light scattering. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 2003 , 41, 1627-1637	2.6	60
241	Thermo- and pH-sensitive polymers containing cholic acid derivatives. <i>Polymer</i> , 2001 , 42, 4031-4038	3.9	60
240	Hydrogel thin film with swelling-induced wrinkling patterns for high-throughput generation of multicellular spheroids. <i>Biomacromolecules</i> , 2014 , 15, 3306-12	6.9	59
239	Synthesis of glucose-sensitive self-assembled films and their application in controlled drug delivery. <i>Polymer</i> , 2009 , 50, 4205-4211	3.9	58
238	Novel polyacetylenes containing pendant 1-pyrenyl groups: synthesis, characterization, and thermal and optical properties. <i>Polymer</i> , 2002 , 43, 5059-5068	3.9	55
237	Self-Healing Supramolecular Hydrogels Based on Reversible Physical Interactions. <i>Gels</i> , 2016 , 2,	4.2	54

236	Enhancing the photoluminescence intensity of conjugated polycationic polymers by using quantum dots as antiaggregation reagents. <i>Langmuir</i> , 2006 , 22, 4799-803	4	53
235	Block and random copolymers bearing cholic acid and oligo(ethylene glycol) pendant groups: aggregation, thermosensitivity, and drug loading. <i>Biomacromolecules</i> , 2014 , 15, 1837-44	6.9	52
234	Two-Dimensional Magnesium Phosphate Nanosheets Form Highly Thixotropic Gels That Up-Regulate Bone Formation. <i>Nano Letters</i> , 2016 , 16, 4779-87	11.5	51
233	Role of protein contaminants in the immunogenicity of alginates. <i>Journal of Biomedical Materials Research - Part B Applied Biomaterials</i> , 2010 , 93, 333-40	3.5	51
232	NMR imaging of high-amylose starch tablets. 1. Swelling and water uptake. <i>Biomacromolecules</i> , 2002 , 3, 214-8	6.9	51
231	Solute Probe Diffusion in Aqueous Solutions of Poly(vinyl alcohol) As Studied by Pulsed-Gradient Spin-Echo NMR Spectroscopy. <i>Macromolecules</i> , 1996 , 29, 70-76	5.5	50
230	Copolymers of N-alkylacrylamides and styrene as new thermosensitive materials. <i>Polymer</i> , 2003 , 44, 3053-3060	3.9	49
229	N-Isopropylacrylamide Copolymers with Acrylamide and Methacrylamide Derivatives of Cholic Acid: Synthesis and Characterization. <i>Macromolecular Rapid Communications</i> , 2001 , 22, 675-680	4.8	49
228	Self-Healing Hydrogels of Low Molecular Weight Poly(vinyl alcohol) Assembled by Host-Guest Recognition. <i>Biomacromolecules</i> , 2018 , 19, 626-632	6.9	48
227	New Polyanhydrides Made from a Bile Acid Dimer and Sebacic Acid: Synthesis, Characterization, and Degradation. <i>Macromolecules</i> , 2000 , 33, 5379-5383	5.5	48
226	Solution properties of a thermosensitive triblock copolymer of N-alkyl substituted acrylamides. <i>Langmuir</i> , 2009 , 25, 1699-704	4	47
225	N-Alkylacrylamide copolymers with (meth)acrylamide derivatives of cholic acid: synthesis and thermosensitivity. <i>Polymer</i> , 2003 , 44, 1081-1087	3.9	47
224	Self-Diffusion of Oligo- and Poly(ethylene glycol)s in Poly(vinyl alcohol) Aqueous Solutions As Studied by Pulsed-Gradient NMR Spectroscopy. <i>Macromolecules</i> , 1998 , 31, 3880-3885	5.5	47
223	A new method for quantifying the intensity of the C=C band of dimethacrylate dental monomers in their FTIR and Raman spectra. <i>Biomaterials</i> , 2005 , 26, 6440-8	15.6	46
222	A New Physical Model for the Diffusion of Solvents and Solute Probes in Polymer Solutions. <i>Macromolecules</i> , 1996 , 29, 6031-6036	5.5	46
221	Switchable vesicles formed by diblock random copolymers with tunable pH- and thermo-responsiveness. <i>Langmuir</i> , 2013 , 29, 6823-32	4	43
220	Self-Diffusion Studies of Water and Poly(ethylene glycol) in Solutions and Gels of Selected Hydrophilic Polymers. <i>Macromolecules</i> , 1999 , 32, 4375-4382	5.5	43
219	Multistep Thermosensitivity of Poly(N-n-propylacrylamide)-block-poly(N-isopropylacrylamide)-block-poly(N,N-ethylmethacrylamide) Triblock Terpolymers in Aqueous Solutions As Studied by Static and Dynamic Light Scattering. <i>Macromolecules</i> , 2009 , 42, 2715-2720	5.5	42

218	Molecular pockets derived from cholic acid as chemosensors for metal ions. <i>Langmuir</i> , 2010 , 26, 2958-624		42
217	Kinetics of Inclusion Reactions of β -Cyclodextrin with Several Dihydroxycholate Ions Studied by NMR Spectroscopy. <i>Journal of Physical Chemistry B</i> , 1999 , 103, 597-602	3.4	42
216	Degree of crosslinking and mechanical properties of crosslinked poly(vinyl alcohol) beads for use in solid-phase organic synthesis. <i>Polymer</i> , 2004 , 45, 8201-8210	3.9	41
215	Two-Way Reversible Shape Memory Polymers Containing Polydopamine Nanospheres: Light Actuation, Robotic Locomotion, and Artificial Muscles. <i>ACS Biomaterials Science and Engineering</i> , 2018 , 4, 3099-3106	5.5	40
214	Salt-induced erosion of hydrogen-bonded layer-by-layer assembled films. <i>Soft Matter</i> , 2009 , 5, 860-867	3.6	39
213	Poly(vinyl alcohol)-graft-poly(ethylene glycol) resins and their use in solid-phase synthesis and supported TEMPO catalysis. <i>Chemical Communications</i> , 2007 , 2136-8	5.8	39
212	NMR spectroscopy and imaging studies of pharmaceutical tablets made of starch. <i>Carbohydrate Polymers</i> , 2009 , 75, 369-379	10.3	38
211	Functional star polymers with a cholic acid core and their thermosensitive properties. <i>Biomacromolecules</i> , 2010 , 11, 201-6	6.9	37
210	High molecular weight bile acid and ricinoleic acid-based copolyesters via entropy-driven ring-opening metathesis polymerisation. <i>Chemical Communications</i> , 2008 , 1674-6	5.8	37
209	Asymmetric poly(ethylene glycol) star polymers with a cholic acid core and their aggregation properties. <i>Biomacromolecules</i> , 2009 , 10, 900-6	6.9	36
208	Fluorescence study of inclusion complexes between star-shaped cholic acid derivatives and polycyclic aromatic fluorescent probes and the size effects of host and guest molecules. <i>Journal of Physical Chemistry B</i> , 2008 , 112, 3402-9	3.4	36
207	Imaging of high-amylose starch tablets. 3. Initial diffusion and temperature effects. <i>Biomacromolecules</i> , 2005 , 6, 3367-72	6.9	35
206	Monodisperse silica-filled composite restoratives mechanical and light transmission properties. <i>Dental Materials</i> , 2017 , 33, 280-287	5.7	34
205	Bile Acid-Based Drug Delivery Systems for Enhanced Doxorubicin Encapsulation: Comparing Hydrophobic and Ionic Interactions in Drug Loading and Release. <i>Molecular Pharmaceutics</i> , 2018 , 15, 1266-1276	5.6	34
204	Synthesis of wrinkled mesoporous silica and its reinforcing effect for dental resin composites. <i>Dental Materials</i> , 2017 , 33, 1139-1148	5.7	34
203	CO ₂ -Switchable Self-Healing Host-Guest Hydrogels. <i>Macromolecules</i> , 2017 , 50, 9696-9701	5.5	34
202	Gelation Kinetics of Thermosensitive PNIPAM Microgel Dispersions. <i>Macromolecular Chemistry and Physics</i> , 2011 , 212, 2052-2060	2.6	34
201	Synthesis and swelling behavior of thermosensitive hydrogels based on N-substituted acrylamides and sodium acrylate. <i>European Polymer Journal</i> , 2004 , 40, 1075-1080	5.2	34

200	Synthesis of 3 alpha- and 3 beta-dimers from selected bile acids. <i>Steroids</i> , 1996 , 61, 664-9	2.8	34
199	Biocompound-Based Multiple Shape Memory Polymers Reinforced by Photo-Cross-Linking. <i>ACS Biomaterials Science and Engineering</i> , 2015 , 1, 855-863	5.5	33
198	A Molecular Necklace: Threading β -Cyclodextrins onto Polymers Derived from Bile Acids. <i>Angewandte Chemie - International Edition</i> , 2016 , 55, 11979-83	16.4	33
197	Recent Developments and Optimization of Lipase-Catalyzed Lactone Formation and Ring-Opening Polymerization. <i>Macromolecular Rapid Communications</i> , 2016 , 37, 1986-2004	4.8	33
196	Preparation and characterization of high loading porous crosslinked poly(vinyl alcohol) resins. <i>Polymer</i> , 2004 , 45, 71-77	3.9	33
195	Preparation of cis-poly(1-ethynylpyrene) using (1-Me-indenyl)(PPh ₃)Ni ₂ C ₂ Ph/methylaluminumoxane as catalyst. <i>Journal of Molecular Catalysis A</i> , 2003 , 204-205, 325-332		33
194	Formation of Mesoglobular Phase of Amphiphilic Copolymer Chains in Dilute Solution: Effect of Comonomer Composition. <i>Macromolecules</i> , 2003 , 36, 2103-2107	5.5	33
193	PEGylated bile acids for use in drug delivery systems: enhanced solubility and bioavailability of itraconazole. <i>Molecular Pharmaceutics</i> , 2013 , 10, 3057-66	5.6	32
192	Block Random Copolymers of N-Alkyl-Substituted Acrylamides with Double Thermosensitivity. <i>Macromolecules</i> , 2012 , 45, 2001-2006	5.5	32
191	Thermoresponsiveness of hybrid micelles from poly(ethylene glycol)-block-poly(4-vinylpyridium) cations and SO ₄ ²⁻ anions in aqueous solutions. <i>Langmuir</i> , 2006 , 22, 1474-7	4	32
190	Evaluation of the porous structures of new polymer packing materials by inverse size-exclusion chromatography. <i>Journal of Chromatography A</i> , 2000 , 903, 13-9	4.5	32
189	Invertible amphiphilic molecular pockets made of cholic acid. <i>Langmuir</i> , 2009 , 25, 10913-7	4	31
188	Biodegradable polymers based on bile acids and potential biomedical applications. <i>Journal of Biomaterials Science, Polymer Edition</i> , 2006 , 17, 1123-1139	3.5	31
187	NMR imaging of high-amylose starch tablets. 2. Effect of tablet size. <i>Biomacromolecules</i> , 2002 , 3, 1249-54.9		31
186	Adsorption of bilirubin with polypeptide-coated resins. <i>Biomaterials, Artificial Cells, and Artificial Organs</i> , 1990 , 18, 75-93		31
185	1,2,3-Triazole-containing molecular pockets derived from cholic acid: the influence of structure on host-guest coordination properties. <i>Langmuir</i> , 2010 , 26, 13415-21	4	30
184	Biomaterials made of bile acids. <i>Science in China Series B: Chemistry</i> , 2009 , 52, 849-861		30
183	Macrocyclic bile acids: from molecular recognition to degradable biomaterial building blocks. <i>Journal of Materials Chemistry</i> , 2009 , 19, 5705		30

182	Pore Size Control in Cross-Linked Polymer Resins by Reverse Micellar Imprinting. <i>Macromolecules</i> , 1997 , 30, 3031-3035	5.5	30
181	Thermoresponsiveness of copolymers bearing cholic acid pendants induced by complexation with Cyclodextrin. <i>Langmuir</i> , 2014 , 30, 11770-5	4	29
180	Aggregation behavior of pegylated bile acid derivatives. <i>Langmuir</i> , 2012 , 28, 13431-40	4	29
179	Silver-loading in uncrosslinked hydrogen-bonded LBL films: structure change and improved stability. <i>Journal of Materials Chemistry</i> , 2011 , 21, 548-555		29
178	Nitrocellulose-stabilized silver nanoparticles as low conversion temperature precursors useful for inkjet printed electronics. <i>Journal of Materials Chemistry</i> , 2007 , 17, 1725		29
177	Specific binding of cholic acid by cross-linked polymers prepared by the hybrid imprinting method. <i>Polymer</i> , 2007 , 48, 5565-5571	3.9	29
176	Self-Diffusion of Hydrophilic Poly(propyleneimine) Dendrimers in Poly(vinyl alcohol) Solutions and Gels by Pulsed Field Gradient NMR Spectroscopy. <i>Macromolecules</i> , 2003 , 36, 839-847	5.5	29
175	Hydrophilic polymethacrylates containing cholic acid-ethylene glycol derivatives as pendant groups. <i>Macromolecular Rapid Communications</i> , 2000 , 21, 685-690	4.8	29
174	Cross-Linked Porous Polymer Resins with Reverse Micellar Imprints: Factors Affecting the Porosity of the Polymers. <i>Macromolecules</i> , 1999 , 32, 277-281	5.5	29
173	Recent advances in the development of dental composite resins. <i>RSC Advances</i> , 2012 , 2, 59-63	3.7	28
172	Aggregation and thermoresponsive properties of new star block copolymers with a cholic acid core. <i>Langmuir</i> , 2011 , 27, 11174-9	4	28
171	Preparation and characterization of copolymers of new monomers from bile acid derivatives with methacrylic monomers and selective hydrolysis of the homopolymers. <i>Polymer</i> , 1996 , 37, 493-498	3.9	28
170	Preparation of new polymers from bile acid derivatives. <i>Macromolecular Rapid Communications</i> , 1994 , 15, 459-465	4.8	28
169	Glucosamine-Anchored Graphene Oxide Nanosheets: Fabrication, Ultraviolet Irradiation, and Electrochemical Properties. <i>ACS Applied Materials & Interfaces</i> , 2015 , 7, 14552-6	9.5	27
168	Supramolecular hydrogelation with bile acid derivatives: structures, properties and applications. <i>Journal of Materials Chemistry B</i> , 2016 , 4, 7506-7520	7.3	27
167	Swelling-induced surface instability of a hydrogen-bonded LBL film and its self-healing. <i>Polymer</i> , 2014 , 55, 2197-2204	3.9	27
166	Fractal structures of the hydrogels formed in situ from poly(N-isopropylacrylamide) microgel dispersions. <i>Langmuir</i> , 2012 , 28, 10873-80	4	27
165	Selective acylation of cholic acid derivatives with multiple methacrylate groups. <i>Steroids</i> , 2005 , 70, 531-72.8		27

164	Thermo- and pH-Responsive Copolymers Bearing Cholic Acid and Oligo(ethylene glycol) Pendants: Self-Assembly and pH-Controlled Release. <i>ACS Applied Materials & Interfaces</i> , 2015 , 7, 24649-55	9.5	26
163	Evaluation of the filler packing structures in dental resin composites: From theory to practice. <i>Dental Materials</i> , 2018 , 34, 1014-1023	5.7	26
162	NMR imaging of chitosan and carboxymethyl starch tablets: swelling and hydration of the polyelectrolyte complex. <i>International Journal of Pharmaceutics</i> , 2011 , 419, 215-21	6.5	26
161	Binding of streptavidin with biotinylated thermosensitive nanospheres based on poly(N,N-diethylacrylamide-co-2-hydroxyethyl methacrylate). <i>Bioconjugate Chemistry</i> , 2007 , 18, 999-1003	6.3	26
160	"Bitter-Sweet" Polymeric Micelles Formed by Block Copolymers from Glucosamine and Cholic Acid. <i>Biomacromolecules</i> , 2017 , 18, 778-786	6.9	25
159	Thermoresponsive Behavior of Poly(acrylic acid-co-acrylonitrile) with a UCST. <i>Macromolecules</i> , 2019 , 52, 4441-4446	5.5	25
158	Correlation of resin viscosity and monomer conversion to filler particle size in dental composites. <i>Dental Materials</i> , 2018 , 34, 1501-1508	5.7	25
157	Triazole-linked polyamides and polyesters derived from cholic acid. <i>Polymer Chemistry</i> , 2012 , 3, 1962	4.9	25
156	FUNCTIONALIZED CYCLODEXTRIN POLYMERS FOR THE SORPTION OF BILE SALTS. <i>Journal of Macromolecular Science - Pure and Applied Chemistry</i> , 2000 , 37, 677-690	2.2	25
155	Tetrahedral, Octahedral, and Triangular Dipyramidal Microgel Clusters with Thermosensitivity Fabricated from Binary Colloidal Crystals Template and Thiol-Ene Reaction. <i>ACS Macro Letters</i> , 2018 , 7, 80-84	6.6	24
154	Self-aggregated nanoparticles composed of periodate-oxidized dextran and cholic acid: preparation, stabilization and in-vitro drug release. <i>Journal of Chemical Technology and Biotechnology</i> , 2006 , 81, 746-754	3.5	24
153	Effect of side chain structure on the liquid crystalline properties of polymers bearing cholesterol, dihydrocholesterol and bile acid pendant groups. <i>Polymer</i> , 2005 , 46, 7266-7272	3.9	24
152	Polymers made from cholic acid derivatives: selected properties. <i>Macromolecular Chemistry and Physics</i> , 1996 , 197, 3473-3482	2.6	24
151	Cholic acid-modified dendritic multimolecular micelles and enhancement of anticancer drug therapeutic efficacy. <i>Bioconjugate Chemistry</i> , 2010 , 21, 1596-601	6.3	23
150	Study of hydration of cross-linked high amylose starch by solid state ¹³ C NMR spectroscopy. <i>Carbohydrate Research</i> , 2007 , 342, 1525-9	2.9	23
149	Bile acids covalently bound to polysaccharides. <i>Reactive and Functional Polymers</i> , 2004 , 59, 141-148	4.6	23
148	UV-Vis and fluorescence study of polyacetylenes with pendant 1-pyrenyl groups: a comparative investigation of cis- and trans-poly(1-ethynyl-pyrene). <i>Synthetic Metals</i> , 2004 , 143, 37-42	3.6	23
147	Crown Ether Cavity-Containing Copolymers via Controlled Alternating Cyclocopolymerization. <i>Macromolecules</i> , 2011 , 44, 6311-6317	5.5	22

146	Membrane formation and drug loading effects in high amylose starch tablets studied by NMR imaging. <i>Biomacromolecules</i> , 2008 , 9, 1248-54	6.9	22
145	Bile acids as constituents for dental composites: in vitro cytotoxicity of (meth)acrylate and other ester derivatives of bile acids. <i>Journal of the Royal Society Interface</i> , 2007 , 4, 1145-50	4.1	22
144	Polymeric sorbents for bile acids. I: Comparison between cholestyramine and colestipol. <i>Journal of Pharmaceutical Sciences</i> , 1992 , 81, 65-9	3.9	22
143	Copolymers containing carbohydrates and other biomolecules: design, synthesis and applications. <i>Journal of Materials Chemistry B</i> , 2019 , 7, 1361-1378	7.3	21
142	Mutual interaction between embedded microgel particles and the surrounding hydrogel matrix. <i>Soft Matter</i> , 2013 , 9, 2629	3.6	21
141	Ring-opening polymerization of bile acid macrocycles by <i>Candida antarctica</i> lipase B. <i>Polymer Chemistry</i> , 2013 , 4, 4312	4.9	21
140	New dental composites containing multimethacrylate derivatives of bile acids: a comparative study with commercial monomers. <i>ACS Applied Materials & Interfaces</i> , 2009 , 1, 824-32	9.5	21
139	Formation of hybrid micelles between poly(ethylene glycol)-block-poly(4-vinylpyridinium) cations and sulfate anions in an aqueous milieu. <i>Soft Matter</i> , 2005 , 1, 455-459	3.6	21
138	Preparation of a comb-shaped cholic acid-containing polymer by atom transfer radical polymerization. <i>Biomacromolecules</i> , 2006 , 7, 995-8	6.9	21
137	Copolymers of N-alkylacrylamides as thermosensitive hydrogels. <i>Macromolecular Symposia</i> , 2004 , 207, 187-192	0.8	21
136	Crosslinked Polyacrolein Microspheres with High Loading of Aldehyde Groups for Use as Scavenger Resins in Organic Synthesis. <i>Macromolecular Rapid Communications</i> , 2004 , 25, 1719-1723	4.8	21
135	Molecular dynamics of hydrophilic poly(propylene imine) dendrimers in aqueous solutions by ¹ H NMR relaxation. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 2003 , 41, 2969-2975	2.6	21
134	Interaction of Hydrophobically Modified Cationic Dextran Hydrogels with Biological Surfactants. <i>Journal of Physical Chemistry B</i> , 2001 , 105, 2314-2321	3.4	21
133	¹ H and ¹³ C NMR Study on Local Dynamics of Poly(vinyl alcohol) in Aqueous Solutions. <i>Macromolecules</i> , 1996 , 29, 2075-2081	5.5	21
132	Cholestyramine protection against ochratoxin A toxicity: role of ochratoxin A sorption by the resin and bile acid enterohepatic circulation. <i>Journal of Food Protection</i> , 1999 , 62, 1461-5	2.5	20
131	Fluorescence depolarization and quenching studies of acenaphthalene-labelled poly(acrylamide) in water. <i>Polymer</i> , 1993 , 34, 1134-1140	3.9	20
130	A Simple HPLC Method for the Analysis of Bile Acids. <i>Analytical Letters</i> , 1990 , 23, 2011-2018	2.2	20
129	Self-Assembly of a Bile Acid Dimer in Aqueous Solutions: From Nanofibers to Nematic Hydrogels. <i>Langmuir</i> , 2017 , 33, 1084-1089	4	19

128	Tunable Upper Critical Solution Temperatures for Acrylamide Copolymers with Bile Acid Pendants. <i>Biomacromolecules</i> , 2017 , 18, 2663-2668	6.9	19
127	Complex micelles with a responsive shell for controlling of enzymatic degradation. <i>Polymer</i> , 2012 , 53, 3559-3565	3.9	19
126	Shape memory properties of main chain bile acids polymers. <i>Polymer</i> , 2010 , 51, 22-25	3.9	19
125	Synthesis and characterization of core-shell microspheres with double thermosensitivity. <i>Langmuir</i> , 2007 , 23, 1047-51	4	19
124	Radiosensitization of a mouse tumor model by sustained intra-tumoral release of etanidazole and tirapazamine using a biodegradable polymer implant device. <i>Radiotherapy and Oncology</i> , 1999 , 53, 77-84	5.3	19
123	Counterion control of reactivity in anionic reverse micellar aggregates. <i>Chemical Physics Letters</i> , 1990 , 171, 362-368	2.5	19
122	Multi-responsive properties of a poly(ethylene glycol)-grafted alternating copolymers of distyrenic monomer with maleic anhydride. <i>Langmuir</i> , 2012 , 28, 4500-6	4	18
121	Tumor treatment by sustained intratumoral release of cisplatin: effects of drug alone and combined with radiation. <i>International Journal of Radiation Oncology Biology Physics</i> , 1997 , 39, 497-504	4	18
120	Bile Salt Anion Sorption by Polymeric Resins: Comparison of a Functionalized Polyacrylamide Resin with Cholestyramine. <i>Journal of Colloid and Interface Science</i> , 2000 , 232, 282-288	9.3	18
119	Pulsed-gradient spin-echo NMR measurements of the diffusion coefficients of ketones in poly(methyl methacrylate). <i>Macromolecules</i> , 1992 , 25, 4345-4351	5.5	18
118	Thermosensitivity of bile acid-based oligo(ethylene glycol) stars in aqueous solutions. <i>Macromolecular Rapid Communications</i> , 2011 , 32, 1185-9	4.8	17
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