

Jun Li

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15,658
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#	Paper	IF	Citations
176	The molecular necklace: a rotaxane containing many threaded β -cyclodextrins. <i>Nature</i> , 1992 , 356, 325-327	50.4	1128
175	Chitosan-functionalized graphene oxide as a nanocarrier for drug and gene delivery. <i>Small</i> , 2011 , 7, 1569-78	7.8	694
174	Cyclodextrin-based supramolecular architectures: syntheses, structures, and applications for drug and gene delivery. <i>Advanced Drug Delivery Reviews</i> , 2008 , 60, 1000-17	18.5	672
173	Synthesis of a tubular polymer from threaded cyclodextrins. <i>Nature</i> , 1993 , 364, 516-518	50.4	521
172	Coaxial electrospinning of (fluorescein isothiocyanate-conjugated bovine serum albumin)-encapsulated poly(epsilon-caprolactone) nanofibers for sustained release. <i>Biomacromolecules</i> , 2006 , 7, 1049-57	6.9	429
171	Preparation and properties of inclusion complexes of polyethylene glycol with α -cyclodextrin. <i>Macromolecules</i> , 1993 , 26, 5698-5703	5.5	417
170	Self-assembled supramolecular hydrogels formed by biodegradable PEO-PHB-PEO triblock copolymers and alpha-cyclodextrin for controlled drug delivery. <i>Biomaterials</i> , 2006 , 27, 4132-40	15.6	396
169	Double-stranded inclusion complexes of cyclodextrin threaded on poly(ethylene glycol). <i>Nature</i> , 1994 , 370, 126-128	50.4	337
168	Preparation and Characterization of Inclusion Complexes of Poly(propylene glycol) with Cyclodextrins. <i>Macromolecules</i> , 1995 , 28, 8406-8411	5.5	331
167	Sol-Gel Transition during Inclusion Complex Formation between β -Cyclodextrin and High Molecular Weight Poly(ethylene glycol)s in Aqueous Solution. <i>Polymer Journal</i> , 1994 , 26, 1019-1026	2.7	269
166	Preparation and Characterization of a Polyrotaxane Consisting of Monodisperse Poly(ethylene glycol) and α -Cyclodextrins. <i>Journal of the American Chemical Society</i> , 1994 , 116, 3192-3196	16.4	249
165	New biodegradable thermogelling copolymers having very low gelation concentrations. <i>Biomacromolecules</i> , 2007 , 8, 585-93	6.9	240
164	Injectable drug-delivery systems based on supramolecular hydrogels formed by poly(ethylene oxide)s and alpha-cyclodextrin. <i>Journal of Biomedical Materials Research Part B</i> , 2003 , 65, 196-202		228
163	Preparation and characterization of polypseudorotaxanes based on block-selected inclusion complexation between poly(propylene oxide)-poly(ethylene oxide)-poly(propylene oxide) triblock copolymers and alpha-cyclodextrin. <i>Journal of the American Chemical Society</i> , 2003 , 125, 1788-95	16.4	206
162	Controlled drug release from biodegradable thermoresponsive physical hydrogel nanofibers. <i>Journal of Controlled Release</i> , 2010 , 143, 175-82	11.7	188
161	Formation of Supramolecular Hydrogels Induced by Inclusion Complexation between Pluronic and β -Cyclodextrin. <i>Macromolecules</i> , 2001 , 34, 7236-7237	5.5	184
160	Cationic Supramolecules Composed of Multiple Oligoethylenimine-Grafted β -Cyclodextrins Threaded on a Polymer Chain for Efficient Gene Delivery. <i>Advanced Materials</i> , 2006 , 18, 2969-2974	24	182

159	Hydrolytic degradation and protein release studies of thermogelling polyurethane copolymers consisting of poly[(R)-3-hydroxybutyrate], poly(ethylene glycol), and poly(propylene glycol). <i>Biomaterials</i> , 2007 , 28, 4113-23	15.6	180
158	Cationic star polymers consisting of alpha-cyclodextrin core and oligoethylenimine arms as nonviral gene delivery vectors. <i>Biomaterials</i> , 2007 , 28, 3245-54	15.6	178
157	Star-shaped cationic polymers by atom transfer radical polymerization from beta-cyclodextrin cores for nonviral gene delivery. <i>Biomacromolecules</i> , 2009 , 10, 285-93	6.9	177
156	Chitosan-graft-(PEI- β -cyclodextrin) copolymers and their supramolecular PEGylation for DNA and siRNA delivery. <i>Biomaterials</i> , 2011 , 32, 8328-41	15.6	150
155	Biodegradable thermogelling poly(ester urethane)s consisting of poly(lactic acid)-thermodynamics of micellization and hydrolytic degradation. <i>Biomaterials</i> , 2008 , 29, 2164-72	15.6	143
154	Synthesis and water-swelling of thermo-responsive poly(ester urethane)s containing poly(epsilon-caprolactone), poly(ethylene glycol) and poly(propylene glycol). <i>Biomaterials</i> , 2008 , 29, 3185-94	15.6	141
153	Pseudo-Block Copolymer Based on Star-Shaped Poly(N-isopropylacrylamide) with a β -Cyclodextrin Core and Guest-Bearing PEG: Controlling Thermoresponsivity through Supramolecular Self-Assembly. <i>Macromolecules</i> , 2008 , 41, 5967-5970	5.5	138
152	Functionalization of nylon membranes via surface-initiated atom-transfer radical polymerization. <i>Langmuir</i> , 2007 , 23, 8585-92	4	133
151	Synthesis and Characterization of New Biodegradable Amphiphilic Poly(ethylene oxide)-b-poly[(R)-3-hydroxy butyrate]-b-poly(ethylene oxide) Triblock Copolymers. <i>Macromolecules</i> , 2003 , 36, 2661-2667	5.5	133
150	Preparation and characterization of polyrotaxanes containing many threaded .alpha.-cyclodextrins. <i>Journal of Organic Chemistry</i> , 1993 , 58, 7524-7528	4.2	129
149	Self-Assembly and Micellization of a Dual Thermoresponsive Supramolecular Pseudo-Block Copolymer. <i>Macromolecules</i> , 2011 , 44, 1182-1193	5.5	128
148	Formation of Inclusion Complexes of Monodisperse Oligo(ethylene glycol)s with .alpha.-Cyclodextrin. <i>Macromolecules</i> , 1994 , 27, 4538-4543	5.5	127
147	Supramolecular self-assembly forming a multifunctional synergistic system for targeted co-delivery of gene and drug. <i>Biomaterials</i> , 2014 , 35, 1050-62	15.6	126
146	Pentablock copolymers of poly(ethylene glycol), poly((2-dimethyl amino)ethyl methacrylate) and poly(2-hydroxyethyl methacrylate) from consecutive atom transfer radical polymerizations for non-viral gene delivery. <i>Biomaterials</i> , 2008 , 29, 3023-33	15.6	126
145	FGFR-targeted gene delivery mediated by supramolecular assembly between β -cyclodextrin-crosslinked PEI and redox-sensitive PEG. <i>Biomaterials</i> , 2013 , 34, 6482-94	15.6	124
144	Thermo- and pH-Responsive Association Behavior of Dual Hydrophilic Graft Chitosan Terpolymer Synthesized via ATRP and Click Chemistry. <i>Macromolecules</i> , 2010 , 43, 5679-5687	5.5	124
143	Injectable Thermoresponsive Hydrogel Formed by Alginate-g-Poly(N-isopropylacrylamide) That Releases Doxorubicin-Encapsulated Micelles as a Smart Drug Delivery System. <i>ACS Applied Materials & Interfaces</i> , 2017 , 9, 35673-35682	9.5	122
142	Supramolecular anchoring of DNA polyplexes in cyclodextrin-based polypseudorotaxane hydrogels for sustained gene delivery. <i>Biomacromolecules</i> , 2012 , 13, 3162-72	6.9	122

141	Synthesis of Novel Biodegradable Thermoresponsive Triblock Copolymers Based on Poly[(R)-3-hydroxybutyrate] and Poly(N-isopropylacrylamide) and Their Formation of Thermoresponsive Micelles. <i>Macromolecules</i> , 2009 , 42, 194-202	5.5	118
140	Self-assembled supramolecular hydrogels based on polymer β cyclodextrin inclusion complexes for drug delivery. <i>NPG Asia Materials</i> , 2010 , 2, 112-118	10.3	116
139	Biodegradable thermosensitive copolymer hydrogels for drug delivery. <i>Expert Opinion on Therapeutic Patents</i> , 2007 , 17, 965-977	6.8	116
138	A thermoresponsive hydrogel formed from a star-star supramolecular architecture. <i>Angewandte Chemie - International Edition</i> , 2013 , 52, 6180-4	16.4	114
137	The in vitro hydrolysis of poly(ester urethane)s consisting of poly[(R)-3-hydroxybutyrate] and poly(ethylene glycol). <i>Biomaterials</i> , 2006 , 27, 1841-50	15.6	112
136	Complex formation between polyisobutylene and cyclodextrins: inversion of chain-length selectivity between β -cyclodextrin and γ -cyclodextrin. <i>Macromolecules</i> , 1993 , 26, 5267-5268	5.5	110
135	Mechanism of protein release from polyelectrolyte multilayer microcapsules. <i>Biomacromolecules</i> , 2010 , 11, 1241-7	6.9	106
134	Hepatocyte encapsulation for enhanced cellular functions. <i>Tissue Engineering</i> , 2000 , 6, 481-95		106
133	Comb-shaped copolymers composed of hydroxypropyl cellulose backbones and cationic poly((2-dimethyl amino)ethyl methacrylate) side chains for gene delivery. <i>Bioconjugate Chemistry</i> , 2009 , 20, 1449-58	6.3	105
132	Supramolecular hydrogels based on cyclodextrin β polymer polypseudorotaxanes: materials design and hydrogel properties. <i>Soft Matter</i> , 2011 , 7, 11290	3.6	100
131	A Novel Route toward the Synthesis of High-Quality Large-Pore Periodic Mesoporous Organosilicas. <i>Journal of Physical Chemistry B</i> , 2004 , 108, 4684-4689	3.4	100
130	Functionalization of Chitosan via Atom Transfer Radical Polymerization for Gene Delivery. <i>Advanced Functional Materials</i> , 2010 , 20, 3106-3116	15.6	96
129	Biodegradable hyperbranched amphiphilic polyurethane multiblock copolymers consisting of poly(propylene glycol), poly(ethylene glycol), and polycaprolactone as in situ thermogels. <i>Biomacromolecules</i> , 2012 , 13, 3977-89	6.9	95
128	Poly(ester urethane)s consisting of poly[(R)-3-hydroxybutyrate] and poly(ethylene glycol) as candidate biomaterials: characterization and mechanical property study. <i>Biomacromolecules</i> , 2005 , 6, 2740-7	6.9	95
127	Synthesis and characterization of polyrotaxanes consisting of cationic α -cyclodextrins threaded on poly[(ethylene oxide)-ran-(propylene oxide)] as gene carriers. <i>Biomacromolecules</i> , 2007 , 8, 3365-74	6.9	92
126	Low molecular weight polyethylenimine cross-linked by 2-hydroxypropyl- γ -cyclodextrin coupled to peptide targeting HER2 as a gene delivery vector. <i>Biomaterials</i> , 2010 , 31, 1830-8	15.6	90
125	Highly Efficient Multifunctional Supramolecular Gene Carrier System Self-Assembled from Redox-Sensitive and Zwitterionic Polymer Blocks. <i>Advanced Functional Materials</i> , 2014 , 24, 3874-3884	15.6	89
124	Biodegradable thermogelling poly[(R)-3-hydroxybutyrate]-based block copolymers: micellization, gelation, and cytotoxicity and cell culture studies. <i>Journal of Physical Chemistry B</i> , 2009 , 113, 11822-30	3.4	88

123	Micellization phenomena of biodegradable amphiphilic triblock copolymers consisting of poly(beta-hydroxyalkanoic acid) and poly(ethylene oxide). <i>Langmuir</i> , 2005 , 21, 8681-5	4	86
122	Folic acid modified cationic Cyclodextrin-oligoethylenimine star polymer with bioreducible disulfide linker for efficient targeted gene delivery. <i>Biomacromolecules</i> , 2013 , 14, 476-84	6.9	85
121	Polyrotaxanes for applications in life science and biotechnology. <i>Applied Microbiology and Biotechnology</i> , 2011 , 90, 427-43	5.7	84
120	Micellization and phase transition behavior of thermosensitive poly(N-isopropylacrylamide)-poly(ϵ -caprolactone)-poly(N-isopropylacrylamide) triblock copolymers. <i>Polymer</i> , 2008 , 49, 5084-5094	3.9	78
119	Encapsulation of basic fibroblast growth factor in thermogelling copolymers preserves its bioactivity. <i>Journal of Materials Chemistry</i> , 2011 , 21, 2246		75
118	Enhanced Photocatalysis by Doping Cerium into Mesoporous Titania Thin Films. <i>Journal of Physical Chemistry C</i> , 2009 , 113, 21406-21412	3.8	75
117	Novel poly(N-isopropylacrylamide)-poly[(R)-3-hydroxybutyrate]-poly(N-isopropylacrylamide) triblock copolymer surface as a culture substrate for human mesenchymal stem cells. <i>Soft Matter</i> , 2009 , 5, 2937	3.6	75
116	Cyclodextrin functionalized mesoporous silica films on quartz crystal microbalance for enhanced gas sensing. <i>Sensors and Actuators B: Chemical</i> , 2006 , 119, 220-226	8.5	75
115	Efficient gene delivery with paclitaxel-loaded DNA-hybrid polyplexes based on cationic polyhedral oligomeric silsesquioxanes. <i>Journal of Materials Chemistry</i> , 2010 , 20, 10634		74
114	Cationic supramolecular nanoparticles for co-delivery of gene and anticancer drug. <i>Chemical Communications</i> , 2011 , 47, 5572-4	5.8	73
113	Block-selected molecular recognition and formation of polypseudorotaxanes between poly(propylene oxide)-poly(ethylene oxide)-poly(propylene oxide) triblock copolymers and alpha-cyclodextrin. <i>Angewandte Chemie - International Edition</i> , 2003 , 42, 69-72	16.4	72
112	Dynamic and static light scattering studies on self-aggregation behavior of biodegradable amphiphilic poly(ethylene oxide)-poly[(R)-3-hydroxybutyrate]-poly(ethylene oxide) triblock copolymers in aqueous solution. <i>Journal of Physical Chemistry B</i> , 2006 , 110, 5920-6	3.4	71
111	Surface coating with a thermoresponsive copolymer for the culture and non-enzymatic recovery of mouse embryonic stem cells. <i>Macromolecular Bioscience</i> , 2009 , 9, 1069-79	5.5	70
110	Formation of Inclusion Complexes of Oligoethylene and Its Derivatives with Cyclodextrin. <i>Bulletin of the Chemical Society of Japan</i> , 1994 , 67, 2808-2818	5.1	70
109	Complex Formation between Poly(methyl vinyl ether) and Cyclodextrin. <i>Chemistry Letters</i> , 1993 , 22, 237-240	1.7	65
108	Substrate-Assisted Crystallization and Photocatalytic Properties of Mesoporous TiO ₂ Thin Films. <i>Chemistry of Materials</i> , 2006 , 18, 2917-2923	9.6	64
107	Preparation and Characterization of Inclusion Complexes of Biodegradable Amphiphilic Poly(ethylene oxide)-poly[(R)-3-hydroxybutyrate]-poly(ethylene oxide) Triblock Copolymers with Cyclodextrins. <i>Macromolecules</i> , 2003 , 36, 1209-1214	5.5	64
106	Functionalization of lignin through ATRP grafting of poly(2-dimethylaminoethyl methacrylate) for gene delivery. <i>Colloids and Surfaces B: Biointerfaces</i> , 2015 , 125, 230-7	6	63

105	Supramolecular hydrogels based on self-assembly between PEO-PPO-PEO triblock copolymers and alpha-cyclodextrin. <i>Journal of Biomedical Materials Research - Part A</i> , 2009 , 88, 1031-6	5.4	62
104	Thermo-responsive porous membranes of controllable porous morphology from triblock copolymers of polycaprolactone and poly(N-isopropylacrylamide) prepared by atom transfer radical polymerization. <i>Biomacromolecules</i> , 2008 , 9, 331-9	6.9	58
103	Structures of polyrotaxane models. <i>Carbohydrate Research</i> , 1997 , 305, 127-129	2.9	57
102	Core-corona structure of cubic silsesquioxane-poly(ethylene oxide) in aqueous solution: fluorescence, light scattering, and TEM studies. <i>Journal of Physical Chemistry B</i> , 2005 , 109, 9455-62	3.4	56
101	Encapsulation of basic fibroblast growth factor by polyelectrolyte multilayer microcapsules and its controlled release for enhancing cell proliferation. <i>Biomacromolecules</i> , 2012 , 13, 2174-80	6.9	54
100	Effect of PEG on the crystallization of PPDO/PEG blends. <i>European Polymer Journal</i> , 2005 , 41, 1243-1250	5.2	53
99	Thermoresponsive Delivery of Paclitaxel by Cyclodextrin-Based Poly(N-isopropylacrylamide) Star Polymer via Inclusion Complexation. <i>Biomacromolecules</i> , 2016 , 17, 3957-3963	6.9	52
98	Synthesis of supramolecular nanocapsules based on threading of multiple cyclodextrins over polymers on gold nanoparticles. <i>Angewandte Chemie - International Edition</i> , 2009 , 48, 3842-5	16.4	52
97	. <i>Macromolecules</i> , 2001 , 34, 8829-8831	5.5	52
96	Hyaluronic acid conjugated Cyclodextrin-oligoethylenimine star polymer for CD44-targeted gene delivery. <i>International Journal of Pharmaceutics</i> , 2015 , 483, 169-79	6.5	51
95	Preparation and characterization of inclusion complexes formed by biodegradable poly(ϵ -caprolactone)- β -poly(tetrahydrofuran)- β -poly(ϵ -caprolactone) triblock copolymer and cyclodextrins. <i>Polymer</i> , 2004 , 45, 1777-1785	3.9	50
94	Control of hyperbranched structure of polycaprolactone/poly(ethylene glycol) polyurethane block copolymers by glycerol and their hydrogels for potential cell delivery. <i>Journal of Physical Chemistry B</i> , 2013 , 117, 14763-74	3.4	49
93	Improving hydrophilicity, mechanical properties and biocompatibility of poly[(R,S)-3-hydroxybutyrate-co-(R)-3-hydroxyvalerate] through blending with poly[(R)-3-hydroxybutyrate]-alt-poly(ethylene oxide). <i>Acta Biomaterialia</i> , 2009 , 5, 2002-12	10.8	49
92	Construction of a star-shaped copolymer as a vector for FGF receptor-mediated gene delivery in vitro and in vivo. <i>Biomacromolecules</i> , 2010 , 11, 2221-9	6.9	47
91	Photo-crosslinkable microcapsules formed by polyelectrolyte copolymer and modified collagen for rat hepatocyte encapsulation. <i>Biomaterials</i> , 2004 , 25, 3531-40	15.6	47
90	Elucidating rheological property enhancements in supramolecular hydrogels of short poly[(R,S)-3-hydroxybutyrate]-based amphiphilic triblock copolymer and Cyclodextrin for injectable hydrogel applications. <i>Soft Matter</i> , 2010 , 6, 2300	3.6	45
89	Supramolecular hydrogels based on inclusion complexation between poly(ethylene oxide)- β -poly(ϵ -caprolactone) diblock copolymer and alpha-cyclodextrin and their controlled release property. <i>Journal of Biomedical Materials Research - Part A</i> , 2008 , 86, 1055-61	5.4	45
88	Spatially well-defined binary brushes of poly(ethylene glycol)s for micropatterning of active proteins on anti-fouling surfaces. <i>Biosensors and Bioelectronics</i> , 2008 , 24, 779-86	11.8	44

87	Thermoresponsive supramolecular micellar drug delivery system based on star-linear pseudo-block polymer consisting of β -cyclodextrin-poly(N-isopropylacrylamide) and adamantyl-poly(ethylene glycol). <i>Journal of Colloid and Interface Science</i> , 2017 , 490, 372-379	9.3	42
86	Non-ionic [2]rotaxanes containing methylated β -cyclodextrins. <i>Chemical Communications</i> , 1997 , 1413-1414	5.8	41
85	Highly dispersed gold nanoparticles assembled in mesoporous titania films of cubic configuration. <i>Microporous and Mesoporous Materials</i> , 2008 , 110, 242-249	5.3	41
84	Cationic polyrotaxanes as gene carriers: physicochemical properties and real-time observation of DNA complexation, and gene transfection in cancer cells. <i>Journal of Physical Chemistry B</i> , 2009 , 113, 7903-7911	3.41	40
83	Biomass-based thermogelling copolymers consisting of lignin and grafted poly(N-isopropylacrylamide), poly(ethylene glycol), and poly(propylene glycol). <i>RSC Advances</i> , 2014 , 4, 42996-43003	3.7	37
82	Polyethyleneimine-grafted hyperbranched conjugated polyelectrolytes: synthesis and imaging of gene delivery. <i>Polymer Chemistry</i> , 2013 , 4, 5297	4.9	37
81	Gelatin-based hydrogels with β -cyclodextrin as a dual functional component for enhanced drug loading and controlled release. <i>RSC Advances</i> , 2013 , 3, 25041	3.7	37
80	Silk fibroin-based complex particles with bioactive encrustation for bone morphogenetic protein 2 delivery. <i>Biomacromolecules</i> , 2013 , 14, 4465-74	6.9	37
79	Self-assembly of pH-responsive and fluorescent comb-like amphiphilic copolymers in aqueous media. <i>Polymer</i> , 2010 , 51, 3377-3386	3.9	37
78	Thermoresponsive Hydrogel Induced by Dual Supramolecular Assemblies and Its Controlled Release Property for Enhanced Anticancer Drug Delivery. <i>Biomacromolecules</i> , 2020 , 21, 1516-1527	6.9	36
77	Threading β -cyclodextrin through Poly[(R,S)-3-hydroxybutyrate] in Poly[(R,S)-3-hydroxybutyrate]-Poly(ethylene glycol)-Poly[(R,S)-3-hydroxybutyrate] Triblock Copolymers: Formation of Block-Selected Polypseudorotaxanes. <i>Macromolecules</i> , 2008 , 41, 6027-6034	5.5	35
76	Synthesis, characterization, and morphology studies of biodegradable amphiphilic poly[(R)-3-hydroxybutyrate]-alt-poly(ethylene glycol) multiblock copolymers. <i>Biomacromolecules</i> , 2006 , 7, 3112-9	6.9	35
75	Cationic supramolecules consisting of oligoethylenimine-grafted alpha-cyclodextrins threaded on poly(ethylene oxide) for gene delivery. <i>Journal of Biomedical Materials Research - Part A</i> , 2009 , 89, 13-23	5.4	34
74	Designing poly[(R)-3-hydroxybutyrate]-based polyurethane block copolymers for electrospun nanofiber scaffolds with improved mechanical properties and enhanced mineralization capability. <i>Journal of Physical Chemistry B</i> , 2010 , 114, 7489-98	3.4	33
73	Compositional study and cytotoxicity of biodegradable poly(ester urethane)s consisting of poly[(R)-3-hydroxybutyrate] and poly(ethylene glycol). <i>Materials Science and Engineering C</i> , 2007 , 27, 267-273	8.3	31
72	Multifunctional hybrid nanocarriers consisting of supramolecular polymers and quantum dots for simultaneous dual therapeutics delivery and cellular imaging. <i>Advanced Healthcare Materials</i> , 2013 , 2, 297-301	10.1	30
71	Amphiphilic star-block copolymers and supramolecular transformation of nanogel-like micelles to nanovesicles. <i>Chemical Communications</i> , 2011 , 47, 12849-51	5.8	29
70	Controlled synthesis and characterizations of amphiphilic poly[(R,S)-3-hydroxybutyrate]-poly(ethylene glycol)-poly[(R,S)-3-hydroxybutyrate] triblock copolymers. <i>Polymer</i> , 2008 , 49, 732-741	3.9	28

69	A supramolecular gene carrier composed of multiple cationic β -cyclodextrins threaded on a PPOBEOBPO triblock polymer. <i>Polymer</i> , 2009 , 50, 1378-1388	3.9	27
68	Self-association and micelle formation of biodegradable poly(ethylene glycol)-poly(L-lactic acid) amphiphilic di-block co-polymers. <i>Journal of Biomaterials Science, Polymer Edition</i> , 2006 , 17, 747-63	3.5	27
67	Rapid colorimetric detection of p53 protein function using DNA-gold nanoconjugates with applications for drug discovery and cancer diagnostics. <i>Colloids and Surfaces B: Biointerfaces</i> , 2018 , 169, 214-221	6	26
66	Gelatin-siloxane nanoparticles to deliver nitric oxide for vascular cell regulation: synthesis, cytocompatibility, and cellular responses. <i>Journal of Biomedical Materials Research - Part A</i> , 2015 , 103, 929-38	5.4	26
65	Cyclodextrin Inclusion Polymers Forming Hydrogels. <i>Advances in Polymer Science</i> , 2009 , 175-203	1.3	26
64	Role of intermolecular interaction between hydrophobic blocks in block-selected inclusion complexation of amphiphilic poly(ethylene oxide)-poly[(R)-3-hydroxybutyrate]-poly(ethylene oxide) triblock copolymers with cyclodextrins. <i>Polymer</i> , 2004 , 45, 6845-6851	3.9	26
63	Thermal properties and non-isothermal crystallization behavior of biodegradable poly(p-dioxanone)/poly(vinyl alcohol) blends. <i>Polymer International</i> , 2006 , 55, 383-390	3.3	25
62	Inclusion complex formation between β -cyclodextrins and organic/inorganic star-shaped poly(ethylene glycol) from an octafunctional silsesquioxane core. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 2004 , 42, 1173-1180	2.6	25
61	Pore structure characterization of large-pore periodic mesoporous organosilicas synthesized with varying SiO ₂ /template ratios. <i>Applied Surface Science</i> , 2004 , 237, 380-386	6.7	25
60	Supramolecular hydrogels formed by pyrene-terminated poly(ethylene glycol) star polymers through inclusion complexation of pyrene dimers with β -cyclodextrin. <i>Chemical Communications</i> , 2012 , 48, 5638-40	5.8	23
59	Polyethyleneimine-grafted poly(N-3-hydroxypropyl)aspartamide as a biodegradable gene vector for efficient gene transfection. <i>Soft Matter</i> , 2010 , 6, 955	3.6	23
58	A smart thermoresponsive adsorption system for efficient copper ion removal based on alginate-g-poly(N-isopropylacrylamide) graft copolymer. <i>Carbohydrate Polymers</i> , 2019 , 219, 280-289	10.3	22
57	Surface Charge Switchable Polymer/DNA Nanoparticles Responsive to Tumor Extracellular pH for Tumor-Triggered Enhanced Gene Delivery. <i>Biomacromolecules</i> , 2020 , 21, 1136-1148	6.9	22
56	Host-guest interaction induced supramolecular amphiphilic star architecture and uniform nanovesicle formation for anticancer drug delivery. <i>Nanoscale</i> , 2016 , 8, 1332-7	7.7	22
55	Biodegradable thermogelling poly(ester urethane)s consisting of poly(1,4-butylene adipate), poly(ethylene glycol), and poly(propylene glycol). <i>Soft Matter</i> , 2013 , 9, 787-794	3.6	22
54	Thermoresponsive behavior of cationic polyrotaxane composed of multiple pentaethylenehexamine-grafted α -cyclodextrins threaded on poly(propylene oxide)-poly(ethylene oxide)-poly(propylene oxide) triblock copolymer. <i>Journal of Physical Chemistry B</i> , 2009 , 113, 682-90	3.4	22
53	Clickable poly(ester amine) dendrimer-grafted Fe ₃ O ₄ nanoparticles prepared via successive Michael addition and alkyne-azide click chemistry. <i>Polymer Chemistry</i> , 2011 , 2, 1312	4.9	21
52	A novel biodegradable polyester from chain-extension of poly(p-dioxanone) with poly(butylene succinate). <i>Polymer Degradation and Stability</i> , 2005 , 88, 294-299	4.7	21

51	Macromolecular Recognition. Formation of Inclusion Complexes of Polymers with Cyclodextrins.. <i>Proceedings of the Japan Academy Series B: Physical and Biological Sciences</i> , 1993 , 69, 39-44	4	20
50	Novel Supramolecular Block Copolymer: A Polyrotaxane Consisting of Many Threaded β -Cyclodextrins with an ABA Triblock Architecture. <i>Macromolecules</i> , 2009 , 42, 3856-3859	5.5	18
49	One-pot synthesis of cyclodextrin-based radial poly[n]catenanes. <i>Communications Chemistry</i> , 2019 , 2,	6.3	17
48	Synthesis, characterization and hydrolytic degradation of degradable poly(butylene terephthalate)/poly(ethylene glycol) (PBT/PEG) copolymers. <i>Journal of Materials Science: Materials in Medicine</i> , 2007 , 18, 449-55	4.5	17
47	Thermoresponsive Formation of Dimethyl Cyclodextrin Polypseudorotaxanes and Subsequent One-Pot Synthesis of Polyrotaxanes. <i>ACS Macro Letters</i> , 2016 , 5, 158-162	6.6	16
46	Synthesis of polyrotaxanes consisting of multiple β -cyclodextrin rings threaded on reverse Pluronic PPOBEOBPO triblock copolymers based on block-selected inclusion complexation. <i>European Polymer Journal</i> , 2009 , 45, 1570-1579	5.2	16
45	Synthesis, characterization, and thermal properties of a novel pentaerythritol-initiated star-shaped poly(p-dioxanone). <i>Journal of Polymer Science Part A</i> , 2006 , 44, 1245-1251	2.5	16
44	Bone marrow-derived mesenchymal stem cells assembled with low-dose BMP-2 in a three-dimensional hybrid construct enhances posterolateral spinal fusion in syngeneic rats. <i>Spine Journal</i> , 2015 , 15, 2552-63	4	14
43	Micellization and Thermogelation of Poly(ether urethane)s Comprising Poly(ethylene glycol) and Poly(propylene glycol). <i>Macromolecular Symposia</i> , 2010 , 296, 161-169	0.8	14
42	Molecular Recognition: Preparation of Polyrotaxan and Tubular Polymer from Cyclodextrin. <i>Polymers for Advanced Technologies</i> , 1997 , 8, 241-249	3.2	14
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