

You Han Bae

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234
papers

25,649
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79
h-index

158
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241
ext. papers

27,206
ext. citations

8.9
avg, IF

7.31
L-index

#	Paper	IF	Citations
234	Biodegradable block copolymers as injectable drug-delivery systems. <i>Nature</i> , 1997 , 388, 860-2	50.4	1724
233	Targeted drug delivery to tumors: myths, reality and possibility. <i>Journal of Controlled Release</i> , 2011 , 153, 198-205	11.7	1347
232	Thermosensitive sol-gel reversible hydrogels. <i>Advanced Drug Delivery Reviews</i> , 2002 , 54, 37-51	18.5	1117
231	Effect of comonomer hydrophilicity and ionization on the lower critical solution temperature of N-isopropylacrylamide copolymers. <i>Macromolecules</i> , 1993 , 26, 2496-2500	5.5	913
230	Recent progress in tumor pH targeting nanotechnology. <i>Journal of Controlled Release</i> , 2008 , 132, 164-70	11.7	725
229	Electrically erodible polymer gel for controlled release of drugs. <i>Nature</i> , 1991 , 354, 291-3	50.4	600
228	Polymeric micelle for tumor pH and folate-mediated targeting. <i>Journal of Controlled Release</i> , 2003 , 91, 103-13	11.7	564
227	Super pH-sensitive multifunctional polymeric micelle. <i>Nano Letters</i> , 2005 , 5, 325-9	11.5	554
226	Thermoreversible Gelation of PEG-PLGA-PEG Triblock Copolymer Aqueous Solutions. <i>Macromolecules</i> , 1999 , 32, 7064-7069	5.5	533
225	Drug release from biodegradable injectable thermosensitive hydrogel of PEG-PLGA-PEG triblock copolymers. <i>Journal of Controlled Release</i> , 2000 , 63, 155-63	11.7	524
224	Doxorubicin loaded pH-sensitive polymeric micelles for reversal of resistant MCF-7 tumor. <i>Journal of Controlled Release</i> , 2005 , 103, 405-18	11.7	497
223	Polymer architecture and drug delivery. <i>Pharmaceutical Research</i> , 2006 , 23, 1-30	4.5	495
222	Temperature dependence of swelling of crosslinked poly(N,N'-alkyl substituted acrylamides) in water. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 1990 , 28, 923-936	2.6	490
221	EPR: Evidence and fallacy. <i>Journal of Controlled Release</i> , 2014 , 190, 451-64	11.7	478
220	Hydrogels: swelling, drug loading, and release. <i>Pharmaceutical Research</i> , 1992 , 9, 283-90	4.5	466
219	Thermo-sensitive polymers as on-off switches for drug release. <i>Die Makromolekulare Chemie Rapid Communications</i> , 1987 , 8, 481-485		462
218	Poly(L-histidine)-PEG block copolymer micelles and pH-induced destabilization. <i>Journal of Controlled Release</i> , 2003 , 90, 363-74	11.7	417

217	Tumor pH-responsive flower-like micelles of poly(L-lactic acid)-b-poly(ethylene glycol)-b-poly(L-histidine). <i>Journal of Controlled Release</i> , 2007 , 123, 19-26	11.7	364
216	Super pH-sensitive multifunctional polymeric micelle for tumor pH(e) specific TAT exposure and multidrug resistance. <i>Journal of Controlled Release</i> , 2008 , 129, 228-36	11.7	352
215	Thermosensitive sol-gel reversible hydrogels. <i>Advanced Drug Delivery Reviews</i> , 2012 , 64, 154-162	18.5	318
214	TAT peptide-based micelle system for potential active targeting of anti-cancer agents to acidic solid tumors. <i>Journal of Controlled Release</i> , 2007 , 118, 216-24	11.7	310
213	Doxorubicin-loaded polymeric micelle overcomes multidrug resistance of cancer by double-targeting folate receptor and early endosomal pH. <i>Small</i> , 2008 , 4, 2043-50	11	286
212	Biodegradable poly(ethylenimine) for plasmid DNA delivery. <i>Journal of Controlled Release</i> , 2002 , 80, 273-82	11.7	273
211	Odyssey of a cancer nanoparticle: from injection site to site of action. <i>Nano Today</i> , 2012 , 7, 606-618	17.9	260
210	Thermogelling Poly(caprolactone-b-ethylene glycol-b-caprolactone) Aqueous Solutions. <i>Macromolecules</i> , 2005 , 38, 5260-5265	5.5	254
209	Vascular bursts enhance permeability of tumour blood vessels and improve nanoparticle delivery. <i>Nature Nanotechnology</i> , 2016 , 11, 533-538	28.7	253
208	Caprolactonic poloxamer analog: PEG-PCL-PEG. <i>Biomacromolecules</i> , 2005 , 6, 885-90	6.9	242
207	In situ gelation of PEG-PLGA-PEG triblock copolymer aqueous solutions and degradation thereof. <i>Journal of Biomedical Materials Research Part B</i> , 2000 , 50, 171-7		230
206	Self-assembled polyethylenimine-graft-poly(epsilon-caprolactone) micelles as potential dual carriers of genes and anticancer drugs. <i>Biomaterials</i> , 2007 , 28, 4132-42	15.6	217
205	Novel injectable pH and temperature sensitive block copolymer hydrogel. <i>Biomacromolecules</i> , 2005 , 6, 2930-4	6.9	213
204	Molecular separation by thermosensitive hydrogel membranes. <i>Journal of Membrane Science</i> , 1991 , 64, 283-294	9.6	201
203	pH-responsive sulfonamide/PEI system for tumor specific gene delivery: an in vitro study. <i>Biomacromolecules</i> , 2006 , 7, 64-70	6.9	192
202	A virus-mimetic nanogel vehicle. <i>Angewandte Chemie - International Edition</i> , 2008 , 47, 2418-21	16.4	191
201	Star-Shaped Poly(ether-ester) Block Copolymers: Synthesis, Characterization, and Their Physical Properties. <i>Macromolecules</i> , 1998 , 31, 8766-8774	5.5	181
200	Biodegradable thermosensitive micelles of PEG-PLGA-PEG triblock copolymers. <i>Colloids and Surfaces B: Biointerfaces</i> , 1999 , 16, 185-193	6	177

199	Mind the gap: a survey of how cancer drug carriers are susceptible to the gap between research and practice. <i>Journal of Controlled Release</i> , 2013 , 172, 1045-64	11.7	176
198	Drug targeting and tumor heterogeneity. <i>Journal of Controlled Release</i> , 2009 , 133, 2-3	11.7	166
197	Polymeric nanovehicles for anticancer drugs with triggering release mechanisms. <i>Journal of Materials Chemistry</i> , 2007 , 17, 3987		165
196	A sulfonamide based glucose-responsive hydrogel with covalently immobilized glucose oxidase and catalase. <i>Journal of Controlled Release</i> , 2003 , 86, 115-21	11.7	159
195	Stability issues of polymeric micelles. <i>Journal of Controlled Release</i> , 2008 , 131, 2-4	11.7	157
194	Heparin release from thermosensitive hydrogels. <i>Journal of Controlled Release</i> , 1992 , 22, 95-104	11.7	156
193	Adriamycin loaded pullulan acetate/sulfonamide conjugate nanoparticles responding to tumor pH: pH-dependent cell interaction, internalization and cytotoxicity in vitro. <i>Journal of Controlled Release</i> , 2003 , 87, 3-13	11.7	155
192	Thermosensitive Interpenetrating Polymer Networks: Synthesis, Characterization, and Macromolecular Release. <i>Macromolecules</i> , 1994 , 27, 4167-4175	5.5	154
191	In vivo evaluation of doxorubicin-loaded polymeric micelles targeting folate receptors and early endosomal pH in drug-resistant ovarian cancer. <i>Molecular Pharmaceutics</i> , 2009 , 6, 1353-62	5.6	153
190	Physicochemical characteristics of pH-sensitive poly(L-histidine)-b-poly(ethylene glycol)/poly(L-lactide)-b-poly(ethylene glycol) mixed micelles. <i>Journal of Controlled Release</i> , 2008 , 126, 130-8	11.7	153
189	Self-assembled hydrogel nanoparticles from curdlan derivatives: characterization, anti-cancer drug release and interaction with a hepatoma cell line (HepG2). <i>Journal of Controlled Release</i> , 2000 , 69, 225-36	11.7	152
188	Perspectives on the past, present, and future of cancer nanomedicine. <i>Advanced Drug Delivery Reviews</i> , 2018 , 130, 3-11	18.5	149
187	Biodegradable amphiphilic multiblock copolymers and their implications for biomedical applications. <i>Journal of Controlled Release</i> , 2000 , 64, 3-13	11.7	142
186	"On-off" thermocontrol of solute transport. I. Temperature dependence of swelling of N-isopropylacrylamide networks modified with hydrophobic components in water. <i>Pharmaceutical Research</i> , 1991 , 8, 531-7	4.5	142
185	Squeezing hydrogels for controlled oral drug delivery. <i>Journal of Controlled Release</i> , 1997 , 48, 141-148	11.7	137
184	A cancer-recognizable MRI contrast agents using pH-responsive polymeric micelle. <i>Biomaterials</i> , 2014 , 35, 337-43	15.6	136
183	Insulin permeation through thermo-sensitive hydrogels. <i>Journal of Controlled Release</i> , 1989 , 9, 271-279	11.7	130
182	PDMS-based polyurethanes with MPEG grafts: synthesis, characterization and platelet adhesion study. <i>Biomaterials</i> , 1999 , 20, 943-53	15.6	127

181	Self-assembled hydrogel nanoparticles responsive to tumor extracellular pH from pullulan derivative/sulfonamide conjugate: characterization, aggregation, and adriamycin release in vitro. <i>Pharmaceutical Research</i> , 2002 , 19, 681-8	4.5	124
180	Hydrogels based on poly(ethylene oxide) and poly(tetramethylene oxide) or poly(dimethyl siloxane): synthesis, characterization, in vitro protein adsorption and platelet adhesion. <i>Biomaterials</i> , 2002 , 23, 1797-808	15.6	122
179	A biodegradable pH-sensitive micelle system for targeting acidic solid tumors. <i>Pharmaceutical Research</i> , 2008 , 25, 657-66	4.5	121
178	"On-off" thermocontrol of solute transport. II. Solute release from thermosensitive hydrogels. <i>Pharmaceutical Research</i> , 1991 , 8, 624-8	4.5	121
177	Synthesis and characterization of poly(ethylene glycol)/poly(L-lactic acid) alternating multiblock copolymers. <i>Polymer</i> , 1999 , 40, 6147-6155	3.9	119
176	Prevention of metastasis in a 4T1 murine breast cancer model by doxorubicin carried by folate conjugated pH sensitive polymeric micelles. <i>Journal of Controlled Release</i> , 2011 , 152, 84-9	11.7	112
175	Thermoreversible gelation of poly(ethylene oxide) biodegradable polyester block copolymers. <i>Journal of Polymer Science Part A</i> , 1999 , 37, 751-760	2.5	112
174	Doxorubicin loaded pH-sensitive micelle: antitumoral efficacy against ovarian A2780/DOXR tumor. <i>Pharmaceutical Research</i> , 2008 , 25, 2074-82	4.5	108
173	Biodegradable thermo-sensitive nanoparticles from poly(L-lactic acid)/poly(ethylene glycol) alternating multi-block copolymer for potential anti-cancer drug carrier. <i>European Journal of Pharmaceutical Sciences</i> , 2006 , 27, 115-22	5.1	105
172	pH-responsive and charge shielded cationic micelle of poly(L-histidine)-block-short branched PEI for acidic cancer treatment. <i>Journal of Controlled Release</i> , 2013 , 172, 69-76	11.7	101
171	Inverse thermally-reversible gelation of aqueous N-isopropylacrylamide copolymer solutions. <i>Polymer</i> , 1998 , 39, 2809-2814	3.9	100
170	Drug release from electric current sensitive polymers. <i>Journal of Controlled Release</i> , 1991 , 17, 149-156	11.7	100
169	Thermoreversible copolymer gels for extracellular matrix. <i>Journal of Biomedical Materials Research Part B</i> , 2000 , 51, 69-79		99
168	Cancer nanomedicines targeting tumor extracellular pH. <i>Colloids and Surfaces B: Biointerfaces</i> , 2012 , 99, 116-26	6	97
167	Tumor heterogeneity and its implication for drug delivery. <i>Journal of Controlled Release</i> , 2012 , 164, 187-217	11.7	96
166	pH-induced micelle formation of poly(histidine-co-phenylalanine)-block-poly(ethylene glycol) in aqueous media. <i>Macromolecular Bioscience</i> , 2005 , 5, 1118-24	5.5	95
165	Thermogelling aqueous solutions of alternating multiblock copolymers of poly(L-lactic acid) and poly(ethylene glycol). <i>Biomacromolecules</i> , 2006 , 7, 1729-34	6.9	94
164	Novel pH-sensitive polymers containing sulfonamide groups. <i>Macromolecular Rapid Communications</i> , 1999 , 20, 269-273	4.8	93

163	pH-sensitive polymers for drug delivery. <i>Macromolecular Research</i> , 2012 , 20, 224-233	1.9	90
162	Polymersome Formation from AB ₂ Type 3-Miktoarm Star Copolymers. <i>Macromolecules</i> , 2009 , 42, 7456-7464	4.5	90
161	A reducible polycationic gene vector derived from thiolated low molecular weight branched polyethyleneimine linked by 2-iminothiolane. <i>Biomaterials</i> , 2011 , 32, 1193-203	15.6	89
160	Self-organized nanogels responding to tumor extracellular pH: pH-dependent drug release and in vitro cytotoxicity against MCF-7 cells. <i>Bioconjugate Chemistry</i> , 2007 , 18, 1568-74	6.3	86
159	pH-induced solubility transition of sulfonamide-based polymers. <i>Journal of Controlled Release</i> , 2002 , 80, 145-55	11.7	86
158	Hydrogel delivery systems based on polymer blends, block co-polymers or interpenetrating networks. <i>Advanced Drug Delivery Reviews</i> , 1993 , 11, 109-135	18.5	85
157	A new thermo-sensitive hydrogel: Interpenetrating polymer networks from N-acryloylpyrrolidine and poly(oxyethylene). <i>Die Makromolekulare Chemie Rapid Communications</i> , 1988 , 9, 185-189		83
156	Protection of insulin secreting cells from nitric oxide induced cellular damage by crosslinked hemoglobin. <i>Biomaterials</i> , 2004 , 25, 843-50	15.6	81
155	Sulfonamide based pH-sensitive polymeric micelles: physicochemical characteristics and pH-dependent aggregation. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2003 , 214, 49-59	5.1	79
154	Oral Nanoparticles Exhibit Specific High-Efficiency Intestinal Uptake and Lymphatic Transport. <i>ACS Nano</i> , 2018 , 12, 8893-8900	16.7	78
153	Biodegradable cationic nanoparticles loaded with an anticancer drug for deep penetration of heterogeneous tumours. <i>Biomaterials</i> , 2013 , 34, 7674-82	15.6	77
152	A glucose oxidase electrode based on electropolymerized conducting polymer with polyanion-enzyme conjugated dopant. <i>Analytical Chemistry</i> , 2000 , 72, 2177-81	7.8	75
151	Polymeric gene carriers. <i>Critical Reviews in Eukaryotic Gene Expression</i> , 2005 , 15, 317-42	1.3	73
150	pH-sensitivity and pH-dependent interior structural change of self-assembled hydrogel nanoparticles of pullulan acetate/oligo-sulfonamide conjugate. <i>Journal of Controlled Release</i> , 2004 , 97, 513-25	11.7	70
149	pH-Tunable Endosomolytic Oligomers for Enhanced Nucleic Acid Delivery. <i>Advanced Functional Materials</i> , 2007 , 17, 1263-1272	15.6	69
148	Co-delivery of small interfering RNA and plasmid DNA using a polymeric vector incorporating endosomolytic oligomeric sulfonamide. <i>Biomaterials</i> , 2011 , 32, 4914-24	15.6	68
147	Enhanced intercellular retention activity of novel pH-sensitive polymeric micelles in wild and multidrug resistant MCF-7 cells. <i>Pharmaceutical Research</i> , 2007 , 24, 1618-27	4.5	68
146	Heparin release from thermosensitive polymer coatings: in vivo studies. <i>Journal of Biomedical Materials Research Part B</i> , 1995 , 29, 811-21		67

145	Physicochemical aspects of doxorubicin-loaded pH-sensitive polymeric micelle formulations from a mixture of poly(L-histidine)-b-poly(ethylene glycol)/poly(L-lactide)-b-poly(ethylene glycol) [corrected]. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2009 , 71, 223-30	5.7	64
144	A glucose oxidase electrode based on polypyrrole with polyanion/PEG/enzyme conjugate dopant. <i>Biosensors and Bioelectronics</i> , 2003 , 18, 1231-9	11.8	64
143	Stability of bovine serum albumin complexed with PEG-poly(L-histidine) diblock copolymer in PLGA microspheres. <i>Journal of Controlled Release</i> , 2005 , 109, 86-100	11.7	64
142	Saccharide Effect on the Lower Critical Solution Temperature of Thermosensitive Polymers. <i>Macromolecules</i> , 1995 , 28, 939-944	5.5	62
141	Insulin release from islets of Langerhans entrapped in a poly(N-isopropylacrylamide-co-acrylic acid) polymer gel. <i>Journal of Biomaterials Science, Polymer Edition</i> , 1999 , 10, 183-98	3.5	57
140	Polymeric nucleic acid carriers: current issues and novel design approaches. <i>Journal of Controlled Release</i> , 2012 , 164, 256-64	11.7	56
139	L-histidine-based pH-sensitive anticancer drug carrier micelle: reconstitution and brief evaluation of its systemic toxicity. <i>International Journal of Pharmaceutics</i> , 2008 , 358, 177-83	6.5	56
138	Synthesis and aqueous phase behavior of thermoresponsive biodegradable poly(D,L-3-methylglycolide)-block-poly(ethylene glycol)-block-poly(D,L-3-methylglycolide) triblock copolymers. <i>Macromolecular Chemistry and Physics</i> , 2002 , 203, 1797-1803	2.6	56
137	Multi-arm histidine copolymer for controlled release of insulin from poly(lactide-co-glycolide) microsphere. <i>Biomaterials</i> , 2012 , 33, 8848-57	15.6	54
136	Assessment of PEO/PTMO multiblock copolymer/segmented polyurethane blends as coating materials for urinary catheters: in vitro bacterial adhesion and encrustation behavior. <i>Biomaterials</i> , 2002 , 23, 3991-4000	15.6	54
135	Systemic siRNA Delivery with a Dual pH-Responsive and Tumor-targeted Nanovector for Inhibiting Tumor Growth and Spontaneous Metastasis in Orthotopic Murine Model of Breast Carcinoma. <i>Theranostics</i> , 2017 , 7, 357-376	12.1	53
134	Reconstitutable charged polymeric (PLGA)(2)-b-PEI micelles for gene therapeutics delivery. <i>Biomaterials</i> , 2011 , 32, 3845-54	15.6	53
133	The performance of gadolinium diethylene triamine pentaacetate-pullulan hepatocyte-specific T1 contrast agent for MRI. <i>Biomaterials</i> , 2011 , 32, 5187-94	15.6	52
132	Cell transplantation for endocrine disorders. <i>Advanced Drug Delivery Reviews</i> , 2000 , 42, 103-20	18.5	52
131	Glucose oxidase, lactate oxidase, and galactose oxidase enzyme electrode based on polypyrrole with polyanion/PEG/enzyme conjugate dopant. <i>Sensors and Actuators B: Chemical</i> , 2006 , 114, 164-169	8.5	50
130	A Thermo-Sensitive Hydrogel: Poly(ethylene oxide-dimethyl siloxane-ethylene oxide)/Poly(N-isopropyl acrylamide) Interpenetrating Polymer Networks II. On-Off Regulation of Solute Release from Thermo-Sensitive Hydrogel. <i>Polymer Journal</i> , 1990 , 22, 250-265	2.7	50
129	Novel approaches in microparticulate PLGA delivery systems encapsulating proteins. <i>Journal of Materials Chemistry</i> , 2007 , 17, 4002		49
128	Multifunctional oral delivery systems for enhanced bioavailability of therapeutic peptides/proteins. <i>Acta Pharmaceutica Sinica B</i> , 2019 , 9, 902-922	15.5	48

127	Highly cited research articles in Journal of Controlled Release: Commentaries and perspectives by authors. <i>Journal of Controlled Release</i> , 2014 , 190, 29-74	11.7	47
126	Nanomedicine-based combination anticancer therapy between nucleic acids and small-molecular drugs. <i>Advanced Drug Delivery Reviews</i> , 2017 , 115, 82-97	18.5	46
125	Biocompatible, pH-sensitive AB(2) Miktoarm Polymer-Based Polymersomes: Preparation, Characterization, and Acidic pH-Activated Nanostructural Transformation. <i>Journal of Materials Chemistry</i> , 2012 , 22, 91968-19178		46
124	Drug Delivery Research for the Future: Expanding the Nano Horizons and Beyond. <i>Journal of Controlled Release</i> , 2017 , 246, 183-184	11.7	45
123	Amphiphilic poly(ethylene glycol)-poly(ϵ -caprolactone) AB2 miktoarm copolymers for self-assembled nanocarrier systems: synthesis, characterization, and effects of morphology on antitumor activity. <i>Polymer Chemistry</i> , 2015 , 6, 531-542	4.9	45
122	pH-Induced Volume-Phase Transition of Hydrogels Containing Sulfonamide Side Group by Reversible Crystal Formation. <i>Macromolecules</i> , 2001 , 34, 8173-8178	5.5	45
121	Cryopreservable and tumorigenic three-dimensional tumor culture in porous poly(lactic-co-glycolic acid) microsphere. <i>Biomaterials</i> , 2009 , 30, 4227-32	15.6	43
120	Extracellular matrix for a rechargeable cell delivery system. <i>Journal of Controlled Release</i> , 1998 , 53, 249-58.7		43
119	Albumin-coated porous hollow poly(lactic-co-glycolic acid) microparticles bound with palmitoyl-acylated exendin-4 as a long-acting inhalation delivery system for the treatment of diabetes. <i>Pharmaceutical Research</i> , 2011 , 28, 2008-19	4.5	42
118	Gelation behavior of PEOPLGABEO triblock copolymers in water. <i>Polymer</i> , 2002 , 43, 3353-3358	3.9	42
117	A New Thermo-Sensitive Hydrogel: Poly(ethylene oxide-dimethyl siloxane-ethylene oxide)/Poly(N-isopropyl acrylamide) Interpenetrating Polymer Networks I. Synthesis and Characterization. <i>Polymer Journal</i> , 1990 , 22, 206-217	2.7	41
116	pH-sensitive oncolytic adenovirus hybrid targeting acidic tumor microenvironment and angiogenesis. <i>Journal of Controlled Release</i> , 2015 , 205, 134-43	11.7	40
115	A Multilayered Cell Culture Model for Transport Study in Solid Tumors: Evaluation of Tissue Penetration of Polyethyleneimine Based Cationic Micelles. <i>Nano Today</i> , 2014 , 9, 695-704	17.9	40
114	Heparin release from polymer complex. <i>Journal of Controlled Release</i> , 1994 , 30, 155-159	11.7	40
113	Oral absorption mechanism and anti-angiogenesis effect of taurocholic acid-linked heparin-docetaxel conjugates. <i>Journal of Controlled Release</i> , 2014 , 177, 64-73	11.7	37
112	Norfloxacin-releasing urethral catheter for long-term catheterization. <i>Journal of Biomaterials Science, Polymer Edition</i> , 2003 , 14, 951-62	3.5	37
111	pH-Sensitive polymeric micelle-based pH probe for detecting and imaging acidic biological environments. <i>Biomacromolecules</i> , 2012 , 13, 2945-51	6.9	36
110	Advanced drug delivery 2020 and beyond: Perspectives on the future. <i>Advanced Drug Delivery Reviews</i> , 2020 , 158, 4-16	18.5	34

109	Evaluation of drug penetration with cationic micelles and their penetration mechanism using an in vitro tumor model. <i>Biomaterials</i> , 2016 , 98, 120-30	15.6	34
108	Polymeric gene carrier for insulin secreting cells: poly(L-lysine)-g-sulfonylurea for receptor mediated transfection. <i>Journal of Controlled Release</i> , 2005 , 105, 164-76	11.7	34
107	PDMS-based polyurethanes with MPEG grafts: mechanical properties, bacterial repellency, and release behavior of rifampicin. <i>Journal of Biomaterials Science, Polymer Edition</i> , 2001 , 12, 629-45	3.5	33
106	Role of polymeric endosomolytic agents in gene transfection: a comparative study of poly(L-lysine) grafted with monomeric L-histidine analogue and poly(L-histidine). <i>Biomacromolecules</i> , 2014 , 15, 3577-86	6.9	32
105	Trafficking microenvironmental pHs of polycationic gene vectors in drug-sensitive and multidrug-resistant MCF7 breast cancer cells. <i>Biomaterials</i> , 2010 , 31, 3071-8	15.6	32
104	Sulfonamide-containing polymers: a new class of pH-sensitive polymers and gels. <i>Macromolecular Symposia</i> , 2001 , 172, 149-156	0.8	31
103	Effect of cross-linked hemoglobin on functionality and viability of microencapsulated pancreatic islets. <i>Tissue Engineering</i> , 2002 , 8, 379-94		31
102	Long-term oral administration of Exendin-4 to control type 2 diabetes in a rat model. <i>Journal of Controlled Release</i> , 2019 , 294, 259-267	11.7	31
101	Heterogeneous interpenetrating polymer networks for drug delivery. <i>Journal of Controlled Release</i> , 1991 , 16, 189-196	11.7	30
100	Multifunctional Delivery Systems for Advanced oral Uptake of Peptide/Protein Drugs. <i>Current Pharmaceutical Design</i> , 2015 , 21, 3097-110	3.3	28
99	All-trans-retinoic acid (ATRA)-grafted polymeric gene carriers for nuclear translocation and cell growth control. <i>Biomaterials</i> , 2009 , 30, 2642-52	15.6	28
98	Gentamicin-releasing urethral catheter for short-term catheterization. <i>Journal of Biomaterials Science, Polymer Edition</i> , 2003 , 14, 963-72	3.5	28
97	Physicochemical properties and in vitro biocompatibility of PEO/PTMO multiblock copolymer/segmented polyurethane blends. <i>Journal of Biomaterials Science, Polymer Edition</i> , 2002 , 13, 527-42	3.5	28
96	Concanavalin A microspheres for a self-regulating insulin delivery system. <i>Journal of Pharmaceutical Sciences</i> , 1992 , 81, 532-6	3.9	28
95	Bioreducible polymers as a determining factor for polyplex decomplexation rate and transfection. <i>Biomacromolecules</i> , 2013 , 14, 548-56	6.9	27
94	Role of a novel excipient poly(ethylene glycol)-b-poly(L-histidine) in retention of physical stability of insulin at aqueous/organic interface. <i>Molecular Pharmaceutics</i> , 2007 , 4, 561-70	5.6	27
93	Albumin loaded microsphere of amphiphilic poly(ethylene glycol)/ poly(alpha-ester) multiblock copolymer. <i>European Journal of Pharmaceutical Sciences</i> , 2004 , 23, 245-51	5.1	27
92	Block Copolymer Nanoparticles of Ethylene Oxide and Isobutyl Cyanoacrylate. <i>Macromolecules</i> , 1995 , 28, 8419-8421	5.5	26

91	Characteristics of charged networks under an electric stimulus. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 1994 , 32, 1085-1092	2.6	26
90	Release of proteins via ion exchange from albumin-heparin microspheres. <i>Journal of Controlled Release</i> , 1992 , 22, 83-93	11.7	25
89	Biocompatibility and interference eliminating property of pullulan acetate/polyethylene glycol/heparin membrane for the outer layer of an amperometric glucose sensor. <i>Sensors and Actuators B: Chemical</i> , 2004 , 99, 393-398	8.5	23
88	Immune-triggered cancer treatment by intestinal lymphatic delivery of docetaxel-loaded nanoparticle. <i>Journal of Controlled Release</i> , 2019 , 311-312, 85-95	11.7	22
87	Immense Insulin Intestinal Uptake and Lymphatic Transport Using Bile Acid Conjugated Partially Uncapped Liposome. <i>Molecular Pharmaceutics</i> , 2018 , 15, 4756-4763	5.6	22
86	Oral delivery of a therapeutic gene encoding glucagon-like peptide 1 to treat high fat diet-induced diabetes. <i>Journal of Controlled Release</i> , 2017 , 268, 305-313	11.7	22
85	The effect of zinc-crystallized glucagon-like peptide-1 on insulin secretion of macroencapsulated pancreatic islets. <i>Tissue Engineering</i> , 2001 , 7, 35-44		22
84	Analyzing spatiotemporal distribution of uniquely fluorescent nanoparticles in xenograft tumors. <i>Journal of Controlled Release</i> , 2016 , 227, 38-44	11.7	21
83	Effects of cholesterol incorporation on the physicochemical, colloidal, and biological characteristics of pH-sensitive AB μ niktoarm polymer-based polymersomes. <i>Colloids and Surfaces B: Biointerfaces</i> , 2014 , 116, 128-37	6	21
82	Nano-sized drug carriers: Extravasation, intratumoral distribution, and their modeling. <i>Journal of Controlled Release</i> , 2017 , 267, 31-46	11.7	21
81	Synthesis, bioactivity and specificity of glucagon-like peptide-1 (7-37)/polymer conjugate to isolated rat islets. <i>Biomaterials</i> , 2005 , 26, 3597-606	15.6	21
80	Control of the Swelling Rate of Superporous Hydrogels. <i>Journal of Bioactive and Compatible Polymers</i> , 2001 , 16, 47-57	2	21
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- 1 Lipid raft-mediated and upregulated coordination pathways assist transport of glycocholic acid-modified nanoparticle in a human breast cancer cell line of SK-BR-3.. *International Journal of Pharmaceutics*, **2022**, 121589 6.5