You Han Bae

List of Publications by Year in Descending Order

234 papers	25,649 citations	79 h-index	158 g-index
241 ext. papers	27,206 ext. citations	8.9 avg, IF	7.31 L-index

#	Paper	IF	Citations
234	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	
233	Advanced drug delivery 2020 and beyond: Perspectives on the future. *Advanced Drug Delivery Reviews*, **2020**, 158, 4-16	18.5	34
232	pH-sensitive biomaterials for cancer therapy and diagnosis **2020**, 141-164		
231	Selected Factors Affecting Oral Bioavailability of Nanoparticles Surface-Conjugated with Glycocholic Acid Intestinal Lymphatic Pathway. *Molecular Pharmaceutics*, **2020**, 17, 4346-4353	5.6	2
230	Bile acid transporter-mediated oral drug delivery. *Journal of Controlled Release*, **2020**, 327, 100-116	11.7	17
229	Immune-triggered cancer treatment by intestinal lymphatic delivery of docetaxel-loaded nanoparticle. *Journal of Controlled Release*, **2019**, 311-312, 85-95	11.7	22
228	Long-term oral administration of Exendin-4 to control type 2 diabetes in a rat model. *Journal of Controlled Release*, **2019**, 294, 259-267	11.7	31
227	Multifunctional oral delivery systems for enhanced bioavailability of therapeutic peptides/proteins. *Acta Pharmaceutica Sinica B*, **2019**, 9, 902-922	15.5	48
226	Oral Nanoparticles Exhibit Specific High-Efficiency Intestinal Uptake and Lymphatic Transport. *ACS Nano*, **2018**, 12, 8893-8900	16.7	78
225	Immense Insulin Intestinal Uptake and Lymphatic Transport Using Bile Acid Conjugated Partially Uncapped Liposome. *Molecular Pharmaceutics*, **2018**, 15, 4756-4763	5.6	22
224	Perspectives on the past, present, and future of cancer nanomedicine. *Advanced Drug Delivery Reviews*, **2018**, 130, 3-11	18.5	149
223	Drug Delivery Research for the Future: Expanding the Nano Horizons and Beyond. *Journal of Controlled Release*, **2017**, 246, 183-184	11.7	45
222	Tempo-spatial Activation of Sequential Quadruple Stimuli for High Gene Expression of Polymeric Gene Nanocomplexes. *Molecular Pharmaceutics*, **2017**, 14, 842-855	5.6	3
221	Nanomedicine-based combination anticancer therapy between nucleic acids and small-molecular drugs. *Advanced Drug Delivery Reviews*, **2017**, 115, 82-97	18.5	46
220	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. *Theranostics*, **2017**, 7, 357-376	12.1	53
219	Oral delivery of a therapeutic gene encoding glucagon-like peptide 1 to treat high fat diet-induced diabetes. *Journal of Controlled Release*, **2017**, 268, 305-313	11.7	22
218	Nano-sized drug carriers: Extravasation, intratumoral distribution, and their modeling. *Journal of Controlled Release*, **2017**, 267, 31-46	11.7	21

217	Enhanced cell survival of pH-sensitive bioenergetic nucleotide nanoparticles in energy/oxygen-depleted cells and their intranasal delivery for reduced brain infarction. *Acta Biomaterialia*, **2016**, 41, 147-60	10.8	9
216	Evaluation of drug penetration with cationic micelles and their penetration mechanism using an in vitro tumor model. *Biomaterials*, **2016**, 98, 120-30	15.6	34
215	Vascular bursts enhance permeability of tumour blood vessels and improve nanoparticle delivery. *Nature Nanotechnology*, **2016**, 11, 533-538	28.7	253
214	Analyzing spatiotemporal distribution of uniquely fluorescent nanoparticles in xenograft tumors. *Journal of Controlled Release*, **2016**, 227, 38-44	11.7	21
213	pH-Sensitive Nanosystems **2016**, 49-81		3
212	pH-sensitive oncolytic adenovirus hybrid targeting acidic tumor microenvironment and angiogenesis. *Journal of Controlled Release*, **2015**, 205, 134-43	11.7	40
211	Combinatorial gene construct and non-viral delivery for anti-obesity in diet-induced obese mice. *Journal of Controlled Release*, **2015**, 207, 154-62	11.7	7
210	Enhanced thermogenic program by non-viral delivery of combinatory browning genes to treat diet-induced obesity in mice. *Biomaterials*, **2015**, 73, 32-41	15.6	6
209	Synthetic polynucleotides as endosomolytic agents and bioenergy sources. *Journal of Controlled Release*, **2015**, 216, 30-6	11.7	9
208	Uterine perfusion model for analyzing barriers to transport in fibroids. *Journal of Controlled Release* , **2015**, 214, 85-93	11.7	7
207	pH-Sensitive Drug-Conjugates on Water-Soluble Polymer Frameworks. *Macromolecular Chemistry and Physics*, **2015**, 216, 265-276	2.6	6
206	Enhanced anti-tumor efficacy and safety profile of tumor microenvironment-responsive oncolytic adenovirus nanocomplex by systemic administration. *Acta Biomaterialia*, **2015**, 28, 86-98	10.8	7
205	Multifunctional Delivery Systems for Advanced oral Uptake of Peptide/Protein Drugs. *Current Pharmaceutical Design*, **2015**, 21, 3097-110	3.3	28
204	Design and Characterization of Bioengineered Cancer-Like Stem Cells. *PLoS ONE*, **2015**, 10, e0141172	3.7	1
203	Amphiphilic poly(ethylene glycol)-poly(ε-caprolactone) AB2 miktoarm copolymers for self-assembled nanocarrier systems: synthesis, characterization, and effects of morphology on antitumor activity. *Polymer Chemistry*, **2015**, 6, 531-542	4.9	45
202	DNA Polyplexes as Combinatory Drug Carriers of Doxorubicin and Cisplatin: An in Vitro Study. *Molecular Pharmaceutics*, **2015**, 12, 2845-57	5.6	18
201	Oral absorption mechanism and anti-angiogenesis effect of taurocholic acid-linked heparin-docetaxel conjugates. *Journal of Controlled Release*, **2014**, 177, 64-73	11.7	37
200	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). *Biomacromolecules*, **2014**, 15, 3577-86	6.9	32

199	EPR: Evidence and fallacy. *Journal of Controlled Release*, **2014**, 190, 451-64	11.7	478
198	A cancer-recognizable MRI contrast agents using pH-responsive polymeric micelle. *Biomaterials*, **2014**, 35, 337-43	15.6	136
197	Effects of cholesterol incorporation on the physicochemical, colloidal, and biological characteristics of pH-sensitive ABmiktoarm polymer-based polymersomes. *Colloids and Surfaces B: Biointerfaces*, **2014**, 116, 128-37	6	21
196	Highly cited research articles in Journal of Controlled Release: Commentaries and perspectives by authors. *Journal of Controlled Release*, **2014**, 190, 29-74	11.7	47
195	Nucleotides as nontoxic endogenous endosomolytic agents in drug delivery. *Advanced Healthcare Materials*, **2014**, 3, 1007-14	10.1	14
194	Bioreducible polyspermine as less toxic and efficient gene carrier. *Polymers for Advanced Technologies*, **2014**, 25, 545-551	3.2	11
193	Bioreducible branched polyethyleneimine derivatives physically loaded with hydrophobic pheophorbide A: preparation, characterization, and light-induced cytotoxicity. *Macromolecular Bioscience*, **2014**, 14, 1483-94	5.5	10
192	Dexamethasone-loaded reconstitutable charged polymeric (PLGA)n -b-bPEI micelles for enhanced nuclear delivery of gene therapeutics. *Macromolecular Bioscience*, **2014**, 14, 831-41	5.5	15
191	A Multilayered Cell Culture Model for Transport Study in Solid Tumors: Evaluation of Tissue Penetration of Polyethyleneimine Based Cationic Micelles. *Nano Today*, **2014**, 9, 695-704	17.9	40
190	Nanotechnology in Cancer. *Cancer Drug Discovery and Development*, **2014**, 703-730	0.3	
189	The 16th International Symposium on Recent Advances in Drug Delivery, February 3-6, 2013, Salt Lake City, UT, USA. *Journal of Controlled Release*, **2013**, 172, 393-4	11.7	2
188	Endosomolytic reducible polymeric electrolytes for cytosolic protein delivery. *Biomacromolecules*, **2013**, 14, 2570-81	6.9	14
187	Mind the gap: a survey of how cancer drug carriers are susceptible to the gap between research and practice. *Journal of Controlled Release*, **2013**, 172, 1045-64	11.7	176
186	Biodegradable cationic nanoparticles loaded with an anticancer drug for deep penetration of heterogeneous tumours. *Biomaterials*, **2013**, 34, 7674-82	15.6	77
185	Bioreducible polymers as a determining factor for polyplex decomplexation rate and transfection. *Biomacromolecules*, **2013**, 14, 548-56	6.9	27
184	Nanotechnology for Cancer Treatment: Possibilities and Limitations **2013**, 37-56		6
183	pH-responsive and charge shielded cationic micelle of poly(L-histidine)-block-short branched PEI for acidic cancer treatment. *Journal of Controlled Release*, **2013**, 172, 69-76	11.7	101
182	Chapter 1:Targeted Drug Delivery in Oncology: Current Paradigm and Challenges. *RSC Polymer Chemistry Series*, **2013**, 1-19	1.3	1

181	Heterogeneity of Cancers and Its Implication for Targeted Drug Delivery **2013**, 337-362		
180	The effect of environmental pH on polymeric transfection efficiency. *Biomaterials*, **2012**, 33, 1651-62	15.6	19
179	Nanoscaled buffering zone of charged (PLGA)n-b-bPEI micelles in acidic microclimate for potential protein delivery application. *Journal of Controlled Release*, **2012**, 160, 440-50	11.7	12
178	Multi-arm histidine copolymer for controlled release of insulin from poly(lactide-co-glycolide) microsphere. *Biomaterials*, **2012**, 33, 8848-57	15.6	54
177	Odyssey of a cancer nanoparticle: from injection site to site of action. *Nano Today*, **2012**, 7, 606-618	17.9	260
176	Biocompatible, pH-sensitive AB(2) Miktoarm Polymer-Based Polymersomes: Preparation, Characterization, and Acidic pH-Activated Nanostructural Transformation. *Journal of Materials Chemistry*, **2012**, 22, 91968-19178		46
175	pH-Sensitive polymeric micelle-based pH probe for detecting and imaging acidic biological environments. *Biomacromolecules*, **2012**, 13, 2945-51	6.9	36
174	Cancer nanomedicines targeting tumor extracellular pH. *Colloids and Surfaces B: Biointerfaces*, **2012**, 99, 116-26	6	97
173	Tumor heterogeneity and its implication for drug delivery. *Journal of Controlled Release*, **2012**, 164, 187-91	11.7	96
172	Polymeric nucleic acid carriers: current issues and novel design approaches. *Journal of Controlled Release*, **2012**, 164, 256-64	11.7	56
171	Thermosensitive sol□gel reversible hydrogels. *Advanced Drug Delivery Reviews*, **2012**, 64, 154-162	18.5	318
170	pH-sensitive polymers for drug delivery. *Macromolecular Research*, **2012**, 20, 224-233	1.9	90
169	Poly(ethylene glycol) cross-linked hemoglobin with antioxidant enzymes protects pancreatic islets from hypoxic and free radical stress and extends islet functionality. *Biotechnology and Bioengineering*, **2012**, 109, 2392-401	4.9	17
168	pH-Triggered Micelles for Tumor Delivery **2011**, 1099-1131		
167	Prevention of metastasis in a 4T1 murine breast cancer model by doxorubicin carried by folate conjugated pH sensitive polymeric micelles. *Journal of Controlled Release*, **2011**, 152, 84-9	11.7	112
166	Intravital real-time confocal laser scanning imaging of PEGylated gene vectors. *Journal of Controlled Release*, **2011**, 151, 103	11.7	
165	Targeted drug delivery to tumors: myths, reality and possibility. *Journal of Controlled Release*, **2011**, 153, 198-205	11.7	1347
164	Apoptosis-targeted drug delivery. *Journal of Controlled Release*, **2011**, 154, 213	11.7	3

163	Albumin-coated porous hollow poly(lactic-co-glycolic acid) microparticles bound with palmityl-acylated exendin-4 as a long-acting inhalation delivery system for the treatment of diabetes. *Pharmaceutical Research*, **2011**, 28, 2008-19	4.5	42
162	Reconstitutable charged polymeric (PLGA)(2)-b-PEI micelles for gene therapeutics delivery. *Biomaterials*, **2011**, 32, 3845-54	15.6	53
161	Co-delivery of small interfering RNA and plasmid DNA using a polymeric vector incorporating endosomolytic oligomeric sulfonamide. *Biomaterials*, **2011**, 32, 4914-24	15.6	68
160	The performance of gadolinium diethylene triamine pentaacetate-pullulan hepatocyte-specific T1 contrast agent for MRI. *Biomaterials*, **2011**, 32, 5187-94	15.6	52
159	A reducible polycationic gene vector derived from thiolated low molecular weight branched polyethyleneimine linked by 2-iminothiolane. *Biomaterials*, **2011**, 32, 1193-203	15.6	89
158	Hemoglobin conjugates with antioxidant enzymes (hemoglobin-superoxide dismutase-catalase) via poly(ethylene glycol) crosslinker for protection of pancreatic beta RINm5F cells in hypoxia. *Tissue Engineering - Part A*, **2011**, 17, 2453-62	3.9	11
157	Synthesis and characterization of hemoglobin conjugates with antioxidant enzymes via poly(ethylene glycol) cross-linker (Hb-SOD-CAT) for protection from free radical stress. *International Journal of Biological Macromolecules*, **2010**, 47, 603-13	7.9	11
156	Endolysosomolytically Active pH-Sensitive Polymeric Nanotechnology **2010**, 247-262		1
155	Trafficking microenvironmental pHs of polycationic gene vectors in drug-sensitive and multidrug-resistant MCF7 breast cancer cells. *Biomaterials*, **2010**, 31, 3071-8	15.6	32
154	Transfection of rat pancreatic islet tissue by polymeric gene vectors. *Diabetes Technology and Therapeutics*, **2009**, 11, 443-9	8.1	6
153	Drug targeting and tumor heterogeneity. *Journal of Controlled Release*, **2009**, 133, 2-3	11.7	166
152	All-trans-retinoic acid (ATRA)-grafted polymeric gene carriers for nuclear translocation and cell growth control. *Biomaterials*, **2009**, 30, 2642-52	15.6	28
151	Cryopreservable and tumorigenic three-dimensional tumor culture in porous poly(lactic-co-glycolic acid) microsphere. *Biomaterials*, **2009**, 30, 4227-32	15.6	43
150	Transfection of insulin-secreting cell line and rat islets by functional polymeric gene vector. *Biomaterials*, **2009**, 30, 2837-45	15.6	9
149	Polymeric Carriers for Anticancer Drugs **2009**, 207-243		
148	In vivo evaluation of doxorubicin-loaded polymeric micelles targeting folate receptors and early endosomal pH in drug-resistant ovarian cancer. *Molecular Pharmaceutics*, **2009**, 6, 1353-62	5.6	153
147	Polymersome Formation from AB2 Type 3-Miktoarm Star Copolymers. *Macromolecules*, **2009**, 42, 7456-7464	5.9	90
146	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]. *European Journal of Pharmaceutics and Biopharmaceutics*, **2009**, 71, 223-30	5.7	64

145	Physicochemical characteristics of pH-sensitive poly(L-histidine)-b-poly(ethylene glycol)/poly(L-lactide)-b-poly(ethylene glycol) mixed micelles. *Journal of Controlled Release*, **2008**, 126, 130-8	11.7	153
144	Super pH-sensitive multifunctional polymeric micelle for tumor pH(e) specific TAT exposure and multidrug resistance. *Journal of Controlled Release*, **2008**, 129, 228-36	11.7	352
143	Recent progress in tumor pH targeting nanotechnology. *Journal of Controlled Release*, **2008**, 132, 164-70	11.7	725
142	Stability issues of polymeric micelles. *Journal of Controlled Release*, **2008**, 131, 2-4	11.7	157
141	A biodegradable pH-sensitive micelle system for targeting acidic solid tumors. *Pharmaceutical Research*, **2008**, 25, 657-66	4.5	121
140	Doxorubicin loaded pH-sensitive micelle: antitumoral efficacy against ovarian A2780/DOXR tumor. *Pharmaceutical Research*, **2008**, 25, 2074-82	4.5	108
139	Synthesis of new pH-sensitive poly(ethylene oxide-b-maleic acid) from modification of poly(ethylene oxide-b-N-phenylmaleimide). *Macromolecular Research*, **2008**, 16, 659-662	1.9	4
138	Doxorubicin-loaded polymeric micelle overcomes multidrug resistance of cancer by double-targeting folate receptor and early endosomal pH. *Small*, **2008**, 4, 2043-50	11	286
137	Synthesis of poly(cystine bisamide)-PEG block copolymers grafted with 1-(3-aminopropyl)imidazole and their phase transition behaviors. *Polymers for Advanced Technologies*, **2008**, 19, 1558	3.2	4
136	A virus-mimetic nanogel vehicle. *Angewandte Chemie - International Edition*, **2008**, 47, 2418-21	16.4	191
135	Role of a novel multifunctional excipient poly(ethylene glycol)-block-oligo(vinyl sulfadimethoxine) in controlled release of lysozyme from PLGA microspheres. *International Journal of Pharmaceutics*, **2008**, 358, 50-9	6.5	15
134	L-histidine-based pH-sensitive anticancer drug carrier micelle: reconstitution and brief evaluation of its systemic toxicity. *International Journal of Pharmaceutics*, **2008**, 358, 177-83	6.5	56
133	Stimuli-Sensitive Nanosystems: For Drug and Gene Delivery. *Fundamental Biomedical Technologies*, **2008**, 161-199		5
132	Self-organized nanogels responding to tumor extracellular pH: pH-dependent drug release and in vitro cytotoxicity against MCF-7 cells. *Bioconjugate Chemistry*, **2007**, 18, 1568-74	6.3	86
131	Polymeric nanovehicles for anticancer drugs with triggering release mechanisms. *Journal of Materials Chemistry*, **2007**, 17, 3987		165
130	Novel approaches in microparticulate PLGA delivery systems encapsulating proteins. *Journal of Materials Chemistry*, **2007**, 17, 4002		49
129	Role of a novel excipient poly(ethylene glycol)-b-poly(L-histidine) in retention of physical stability of insulin at aqueous/organic interface. *Molecular Pharmaceutics*, **2007**, 4, 561-70	5.6	27
128	pH-Tunable Endosomolytic Oligomers for Enhanced Nucleic Acid Delivery. *Advanced Functional Materials*, **2007**, 17, 1263-1272	15.6	69

127	Self-assembled polyethylenimine-graft-poly(epsilon-caprolactone) micelles as potential dual carriers of genes and anticancer drugs. *Biomaterials*, **2007**, 28, 4132-42	15.6	217
126	TAT peptide-based micelle system for potential active targeting of anti-cancer agents to acidic solid tumors. *Journal of Controlled Release*, **2007**, 118, 216-24	11.7	310
125	Tumor pH-responsive flower-like micelles of poly(L-lactic acid)-b-poly(ethylene glycol)-b-poly(L-histidine). *Journal of Controlled Release*, **2007**, 123, 19-26	11.7	364
124	Role of a novel excipient poly(ethylene glycol)-b-poly(L-histidine) in retention of physical stability of insulin in aqueous solutions. *Pharmaceutical Research*, **2007**, 24, 1517-26	4.5	16
123	Enhanced intercellular retention activity of novel pH-sensitive polymeric micelles in wild and multidrug resistant MCF-7 cells. *Pharmaceutical Research*, **2007**, 24, 1618-27	4.5	68
122	Glucose oxidase, lactate oxidase, and galactose oxidase enzyme electrode based on polypyrrole with polyanion/PEG/enzyme conjugate dopant. *Sensors and Actuators B: Chemical*, **2006**, 114, 164-169	8.5	50
121	Biodegradable thermo-sensitive nanoparticles from poly(L-lactic acid)/poly(ethylene glycol) alternating multi-block copolymer for potential anti-cancer drug carrier. *European Journal of Pharmaceutical Sciences*, **2006**, 27, 115-22	5.1	105
120	Stimuli-sensitive polymeric micelles as anticancer drug carriers. *Anti-Cancer Agents in Medicinal Chemistry*, **2006**, 6, 525-35	2.2	18
119	Thermogelling aqueous solutions of alternating multiblock copolymers of poly(L-lactic acid) and poly(ethylene glycol). *Biomacromolecules*, **2006**, 7, 1729-34	6.9	94
118	pH-responsive sulfonamide/PEI system for tumor specific gene delivery: an in vitro study. *Biomacromolecules*, **2006**, 7, 64-70	6.9	192
117	Polymer architecture and drug delivery. *Pharmaceutical Research*, **2006**, 23, 1-30	4.5	495
116	Polymeric gene transfection on insulin-secreting cells: sulfonylurea receptor-mediation and transfection medium effect. *Pharmaceutical Research*, **2006**, 23, 1797-808	4.5	11
115	Novel injectable pH and temperature sensitive block copolymer hydrogel. *Biomacromolecules*, **2005** , 6, 2930-4	6.9	213
114	Thermogelling Poly(caprolactone-b-ethylene glycol-b-caprolactone) Aqueous Solutions. *Macromolecules*, **2005**, 38, 5260-5265	5.5	254
113	Super pH-sensitive multifunctional polymeric micelle. *Nano Letters*, **2005**, 5, 325-9	11.5	554
112	Caprolactonic poloxamer analog: PEG-PCL-PEG. *Biomacromolecules*, **2005**, 6, 885-90	6.9	242
111	Doxorubicin loaded pH-sensitive polymeric micelles for reversal of resistant MCF-7 tumor. *Journal of Controlled Release*, **2005**, 103, 405-18	11.7	497
110	Polymeric gene carrier for insulin secreting cells: poly(L-lysine)-g-sulfonylurea for receptor mediated transfection. *Journal of Controlled Release*, **2005**, 105, 164-76	11.7	34

109	Stability of bovine serum albumin complexed with PEG-poly(L-histidine) diblock copolymer in PLGA microspheres. *Journal of Controlled Release*, **2005**, 109, 86-100	11.7	64
108	pH-induced micelle formation of poly(histidine-co-phenylalanine)-block-poly(ethylene glycol) in aqueous media. *Macromolecular Bioscience*, **2005**, 5, 1118-24	5.5	95
107	Synthesis, bioactivity and specificity of glucagon-like peptide-1 (7-37)/polymer conjugate to isolated rat islets. *Biomaterials*, **2005**, 26, 3597-606	15.6	21
106	Improved phenotype of rat islets in a macrocapsule by co-encapsulation with cross-linked Hb. *Journal of Biomaterials Science, Polymer Edition*, **2005**, 16, 1521-35	3.5	9
105	Polymeric gene carriers. *Critical Reviews in Eukaryotic Gene Expression*, **2005**, 15, 317-42	1.3	73
104	Caged pancreatic islet for IDDM. *Yonsei Medical Journal*, **2004**, 45 Suppl, 56-60	3	1
103	Long-term insulinotropic activity of glucagon-like peptide-1/polymer conjugate on islet microcapsules. *Tissue Engineering*, **2004**, 10, 1607-16		9
102	pH-dependent elution profiles of selected proteins in HPLC having a stationary phase modified with pH-sensitive sulfonamide polymers. *Journal of Biomaterials Science, Polymer Edition*, **2004**, 15, 879-94	3.5	7
101	Albumin loaded microsphere of amphiphilic poly(ethylene glycol)/ poly(alpha-ester) multiblock copolymer. *European Journal of Pharmaceutical Sciences*, **2004**, 23, 245-51	5.1	27
100	Biocompatibility and interference eliminating property of pullulan acetate/polyethylene glycol/heparin membrane for the outer layer of an amperometric glucose sensor. *Sensors and Actuators B: Chemical*, **2004**, 99, 393-398	8.5	23
99	Protection of insulin secreting cells from nitric oxide induced cellular damage by crosslinked hemoglobin. *Biomaterials*, **2004**, 25, 843-50	15.6	81
98	In situ formed processable polypyrrole nanoparticle/amphiphilic elastomer composites and their properties. *Polymer International*, **2004**, 53, 400-405	3.3	17
97	Ionic strength/temperature-induced gelation of aqueous poly(N-isopropylacrylamide-co-vinylimidazole) solution. *Macromolecular Symposia*, **2004**, 207, 131-138	0.8	6
96	Prolonged glucose normalization of streptozotocin-induced diabetic mice by transplantation of rat islets coencapsulated with crosslinked hemoglobin. *Transplantation*, **2004**, 78, 392-7	1.8	17
95	pH-sensitivity and pH-dependent interior structural change of self-assembled hydrogel nanoparticles of pullulan acetate/oligo-sulfonamide conjugate. *Journal of Controlled Release*, **2004**, 97, 513-25	11.7	70
94	Adriamycin loaded pullulan acetate/sulfonamide conjugate nanoparticles responding to tumor pH: pH-dependent cell interaction, internalization and cytotoxicity in vitro. *Journal of Controlled Release*, **2003**, 87, 3-13	11.7	155
93	Poly(L-histidine)-PEG block copolymer micelles and pH-induced destabilization. *Journal of Controlled Release*, **2003**, 90, 363-74	11.7	417
92	Polymeric micelle for tumor pH and folate-mediated targeting. *Journal of Controlled Release*, **2003**, 91, 103-13	11.7	564

91	Hydrogels based on poly(ethylene oxide) and poly(tetramethylene oxide) or poly(dimethyl siloxane). II. Physical properties and bacterial adhesion. *Journal of Applied Polymer Science*, **2003**, 89, 1505-1514	2.9	11
90	Degradation and stabilization of cosmetic polyetherurethane in alcoholic solution. *Journal of Applied Polymer Science*, **2003**, 89, 2270-2276	2.9	1
89	Insulinotropic activity of sulfonylurea/pullulan conjugate in rat islet microcapsule. *Biomaterials*, **2003**, 24, 4843-51	15.6	17
88	Sulfonamide based pH-sensitive polymeric micelles: physicochemical characteristics and pH-dependent aggregation. *Colloids and Surfaces A: Physicochemical and Engineering Aspects*, **2003**, 214, 49-59	5.1	79
87	A glucose oxidase electrode based on polypyrrole with polyanion/PEG/enzyme conjugate dopant. *Biosensors and Bioelectronics*, **2003**, 18, 1231-9	11.8	64
86	In situ accelerated degradation of polyoxyethylene/poly(epsilon-caprolactone) multiblock copolymer by moderate thermal treatment. *Journal of Biomaterials Science, Polymer Edition*, **2003**, 14, 903-16	3.5	7
85	Visual evidence and quantification of interaction of polymeric sulfonylurea with pancreatic islet. *Biomacromolecules*, **2003**, 4, 1550-7	6.9	3
84	A sulfonamide based glucose-responsive hydrogel with covalently immobilized glucose oxidase and catalase. *Journal of Controlled Release*, **2003**, 86, 115-21	11.7	159
83	Gentamicin-releasing urethral catheter for short-term catheterization. *Journal of Biomaterials Science, Polymer Edition*, **2003**, 14, 963-72	3.5	28
82	Norfloxacin-releasing urethral catheter for long-term catheterization. *Journal of Biomaterials Science, Polymer Edition*, **2003**, 14, 951-62	3.5	37
81	Biodegradable poly(ethylenimine) for plasmid DNA delivery. *Journal of Controlled Release*, **2002**, 80, 273-82	11.7	273
80	pH-induced solubility transition of sulfonamide-based polymers. *Journal of Controlled Release*, **2002**, 80, 145-55	11.7	86
79	Thermosensitive sol-gel reversible hydrogels. *Advanced Drug Delivery Reviews*, **2002**, 54, 37-51	18.5	1117
78	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. *Macromolecular Chemistry and Physics*, **2002**, 203, 1797-1803	2.6	56
77	Preparation and characterization of new immunoprotecting membrane coated with amphiphilic multiblock copolymer. *Macromolecular Research*, **2002**, 10, 67-74	1.9	2
76	Gelation behavior of PEO–PLGA–PEO triblock copolymers in water. *Polymer*, **2002**, 43, 3353-3358	3.9	42
75	Hydrogels based on poly(ethylene oxide) and poly(tetramethylene oxide) or poly(dimethyl siloxane): synthesis, characterization, in vitro protein adsorption and platelet adhesion. *Biomaterials*, **2002**, 23, 1797-808	15.6	122
74	Assessment of PEO/PTMO multiblock copolymer/segmented polyurethane blends as coating materials for urinary catheters: in vitro bacterial adhesion and encrustation behavior. *Biomaterials*, **2002**, 23, 3991-4000	15.6	54

73	Self-assembled hydrogel nanoparticles responsive to tumor extracellular pH from pullulan derivative/sulfonamide conjugate: characterization, aggregation, and adriamycin release in vitro. *Pharmaceutical Research*, **2002**, 19, 681-8	4.5	124
72	Effect of cross-linked hemoglobin on functionality and viability of microencapsulated pancreatic islets. *Tissue Engineering*, **2002**, 8, 379-94		31
71	Phenotype of hepatocyte spheroids in Arg-GLY-Asp (RGD) containing a thermo-reversible extracellular matrix. *Bioscience, Biotechnology and Biochemistry*, **2002**, 66, 1473-8	2.1	18
70	Physicochemical properties and in vitro biocompatibility of PEO/PTMO multiblock copolymer/segmented polyurethane blends. *Journal of Biomaterials Science, Polymer Edition*, **2002**, 13, 527-42	3.5	28
69	Sulfonamide-containing polymers: a new class of pH-sensitive polymers and gels. *Macromolecular Symposia*, **2001**, 172, 149-156	0.8	31
68	Phenotype of hepatocyte spheroids in synthetic thermo-reversible extracellular matrix. *Biotechnology and Bioprocess Engineering*, **2001**, 6, 264-268	3.1	
67	Interaction of sulfonylurea-conjugated polymer with insulinoma cell line of MIN6 and its effect on insulin secretion. *Journal of Biomedical Materials Research Part B*, **2001**, 55, 72-8		8
66	Control of the Swelling Rate of Superporous Hydrogels. *Journal of Bioactive and Compatible Polymers*, **2001**, 16, 47-57	2	21
65	The effect of zinc-crystallized glucagon-like peptide-1 on insulin secretion of macroencapsulated pancreatic islets. *Tissue Engineering*, **2001**, 7, 35-44		22
64	Bioactive polymers for biohybrid artificial pancreas. *Journal of Drug Targeting*, **2001**, 9, 473-84	5.4	15
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