Wim E Hennink

List of Publications by Year
in descending order

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346 papers	39,613 citations	2322 98 h-index	3034 188 g-index
349 all docs	349 docs citations	349 times ranked	36683 citing authors

#	Article	IF	Citations
1	25th Anniversary Article: Engineering Hydrogels for Biofabrication. Advanced Materials, 2013, 25, 5011-5028.	21.0	1,522
2	Novel crosslinking methods to design hydrogels. Advanced Drug Delivery Reviews, 2002, 54, 13-36.	13.7	1,314
3	Drug targeting to tumors: Principles, pitfalls and (pre-) clinical progress. Journal of Controlled Release, 2012, 161, 175-187.	9.9	1,131
4	Reduction-sensitive polymers and bioconjugates for biomedical applications. Biomaterials, 2009, 30, 2180-2198.	11.4	1,045
5	Hydrogels for Protein Delivery. Chemical Reviews, 2012, 112, 2853-2888.	47.7	962
6	Cationic polymer based gene delivery systems. Pharmaceutical Research, 2000, 17, 113-126.	3.5	816
7	Polymeric Micelles in Anticancer Therapy: Targeting, Imaging and Triggered Release. Pharmaceutical Research, 2010, 27, 2569-2589.	3.5	791
8	Theranostic Nanomedicine. Accounts of Chemical Research, 2011, 44, 1029-1038.	15.6	765
9	Hydrogels in a historical perspective: From simple networks to smart materials. Journal of Controlled Release, 2014, 190, 254-273.	9.9	732
10	Curcumin nanoformulations: A review of pharmaceutical properties and preclinical studies and clinical data related to cancer treatment. Biomaterials, 2014, 35, 3365-3383.	11.4	698
11	Protein instability in poly(lactic-co-glycolic acid) microparticles. Pharmaceutical Research, 2000, 17, 1159-1167.	3.5	636
12	Chitosan-based delivery systems for protein therapeutics and antigens. Advanced Drug Delivery Reviews, 2010, 62, 59-82.	13.7	564
13	In situ gelling hydrogels for pharmaceutical and biomedical applications. International Journal of Pharmaceutics, 2008, 355, 1-18.	5.2	538
14	Cyclodextrin-Based Polymeric Materials: Synthesis, Properties, and Pharmaceutical/Biomedical Applications. Biomacromolecules, 2009, 10, 3157-3175.	5.4	529
15	Sheddable Coatings for Long-Circulating Nanoparticles. Pharmaceutical Research, 2008, 25, 55-71.	3.5	510
16	Tumour-targeted nanomedicines: principles and practice. British Journal of Cancer, 2008, 99, 392-397.	6.4	478
17	Biodegradable polymers as non-viral carriers for plasmid DNA delivery. Journal of Controlled Release, 2008, 126, 97-110.	9.9	451
18	Interpenetrating Polymer Networks polysaccharide hydrogels for drug delivery and tissue engineering. Advanced Drug Delivery Reviews, 2013, 65, 1172-1187.	13.7	450

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19	Triggered destabilisation of polymeric micelles and vesicles by changing polymers polarity: An attractive tool for drug delivery. Journal of Controlled Release, 2007, 120, 131-148.	9.9	449
20	Hydrogels as Extracellular Matrices for Skeletal Tissue Engineering: State-of-the-Art and Novel Application in Organ Printing. Tissue Engineering, 2007, 13, 1905-1925.	4.6	420
21	Core-crosslinked polymeric micelles: Principles, preparation, biomedical applications and clinical translation. Nano Today, 2015, 10, 93-117.	11.9	415
22	Structureâ^'Activity Relationships of Water-Soluble Cationic Methacrylate/Methacrylamide Polymers for Nonviral Gene Delivery. Bioconjugate Chemistry, 1999, 10, 589-597.	3.6	403
23	Preparation and characterization of protein-loaded N-trimethyl chitosan nanoparticles as nasal delivery system. Journal of Controlled Release, 2006, 111, 107-116.	9.9	375
24	Functional aliphatic polyesters for biomedical and pharmaceutical applications. Journal of Controlled Release, 2011, 152, 168-176.	9.9	370
25	The effect of photopolymerization on stem cells embedded in hydrogels. Biomaterials, 2009, 30, 344-353.	11.4	364
26	Synthesis, Characterization, and Polymerization of Glycidyl Methacrylate Derivatized Dextran. Macromolecules, 1995, 28, 6317-6322.	4.8	357
27	Hydrogels for Therapeutic Delivery: Current Developments and Future Directions. Biomacromolecules, 2017, 18, 316-330.	5.4	333
28	Hydrogels for protein delivery in tissue engineering. Journal of Controlled Release, 2012, 161, 680-692.	9.9	309
29	2-(dimethylamino)ethyl methacrylate based (co)polymers as gene transfer agents. Journal of Controlled Release, 1998, 53, 145-153.	9.9	306
30	Effect of size and serum proteins on transfection efficiency of poly ((2-dimethylamino)ethyl) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 302 T	3.5	305
31	The Immunogenicity of Polyethylene Glycol: Facts and Fiction. Pharmaceutical Research, 2013, 30, 1729-1734.	3.5	302
32	A Mechanistic Study of the Hydrolytic Stability of Poly(2-(dimethylamino)ethyl methacrylate). Macromolecules, 1998, 31, 8063-8068.	4.8	295
33	Thermosensitive and biodegradable polymeric micelles for paclitaxel delivery. Journal of Controlled Release, 2005, 103, 341-353.	9.9	286
34	Novel Bioreducible Poly(amido amine)s for Highly Efficient Gene Delivery. Bioconjugate Chemistry, 2007, 18, 138-145.	3.6	283
35	Passive versus Active Tumor Targeting Using RGD- and NGR-Modified Polymeric Nanomedicines. Nano Letters, 2014, 14, 972-981.	9.1	272
36	Synthesis and Applications of Biomedical and Pharmaceutical Polymers via Click Chemistry Methodologies. Bioconjugate Chemistry, 2009, 20, 2001-2016.	3.6	266

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37	Hydrolysable core-crosslinked thermosensitive polymeric micelles: Synthesis, characterisation and in vivo studies. Biomaterials, 2007, 28, 5581-5593.	11.4	262
38	Relation between transfection efficiency and cytotoxicity of poly(2-(dimethylamino)ethyl) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 702 Td (	9.9	243
39	Core-crosslinked polymeric micelles with controlled release of covalently entrapped doxorubicin. Biomaterials, 2010, 31, 7797-7804.	11.4	241
40	Polyurethane-based drug delivery systems. International Journal of Pharmaceutics, 2013, 450, 145-162.	5.2	235
41	Degradation and Release Behavior of Dextran-Based Hydrogels. Macromolecules, 1997, 30, 4639-4645.	4.8	228
42	Cellular Uptake of Cationic Polymer-DNA Complexes Via Caveolae Plays a Pivotal Role in Gene Transfection in COS-7 Cells. Pharmaceutical Research, 2007, 24, 1590-1598.	3.5	223
43	Simultaneous delivery of doxorubicin and gemcitabine to tumors in vivo using prototypic polymeric drug carriers. Biomaterials, 2009, 30, 3466-3475.	11.4	219
44	InÂvivo biocompatibility and biodegradation of 3D-printed porous scaffolds based on a hydroxyl-functionalized poly(Îµ-caprolactone). Biomaterials, 2012, 33, 4309-4318.	11.4	217
45	Strategies for encapsulation of small hydrophilic and amphiphilic drugs in PLGA microspheres: State-of-the-art and challenges. International Journal of Pharmaceutics, 2016, 499, 358-367.	5.2	207
46	Novel Self-assembled Hydrogels by Stereocomplex Formation in Aqueous Solution of Enantiomeric Lactic Acid Oligomers Grafted To Dextran. Macromolecules, 2000, 33, 3680-3686.	4.8	204
47	Organ printing: the future of bone regeneration?. Trends in Biotechnology, 2011, 29, 601-606.	9.3	195
48	Physically crosslinked dextran hydrogels by stereocomplex formation of lactic acid oligomers: degradation and protein release behavior. Journal of Controlled Release, 2001, 71, 261-275.	9.9	193
49	Synthesis, characterization and in vitro biological properties of O-methyl free N,N,N-trimethylated chitosan. Biomaterials, 2008, 29, 3642-3649.	11.4	193
50	Degradable-Brushed pHEMAâ€“pDMAEMA Synthesized via ATRP and Click Chemistry for Gene Delivery. Bioconjugate Chemistry, 2007, 18, 2077-2084.	3.6	188
51	Superparamagnetic Iron Oxide Nanoparticles Encapsulated in Biodegradable Thermosensitive Polymeric Micelles: Toward a Targeted Nanomedicine Suitable for Image-Guided Drug Delivery. Langmuir, 2009, 25, 2060-2067.	3.5	187
52	Micelles based on HPMA copolymersâ˜†. Advanced Drug Delivery Reviews, 2010, 62, 231-239.	13.7	186
53	Complete Regression of Xenograft Tumors upon Targeted Delivery of Paclitaxel via Îâ€“Î Stacking Stabilized Polymeric Micelles. ACS Nano, 2015, 9, 3740-3752.	14.6	185
54	Self-gelling hydrogels based on oppositely charged dextran microspheres. Biomaterials, 2005, 26, 2129-2135.	11.4	184

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55	Î€“Î Stacking Increases the Stability and Loading Capacity of Thermosensitive Polymeric Micelles for Chemotherapeutic Drugs. Biomacromolecules, 2013, 14, 1826-1837.	5.4	183
56	Reaction of Dextran with Glycidyl Methacrylate:â€‰ An Unexpected Transesterification. Macromolecules, 1997, 30, 3411-3413.	4.8	181
57	Linear poly(amido amine)s with secondary and tertiary amino groups and variable amounts of disulfide linkages: Synthesis and in vitro gene transfer properties. Journal of Controlled Release, 2006, 116, 130-137.	9.9	175
58	Comparison of five different targeting ligands to enhance accumulation of liposomes into the brain. Journal of Controlled Release, 2011, 150, 30-36.	9.9	171
59	Thermoresponsive Polymeric Micelles with Controlled Instability Based on Hydrolytically SensitiveN-Isopropylacrylamide Copolymers. Macromolecules, 2001, 34, 7589-7591.	4.8	167
60	Effect of Particle Size on Drug Loading and Release Kinetics of Gefitinib-Loaded PLGA Microspheres. Molecular Pharmaceutics, 2017, 14, 459-467.	4.6	159
61	Monodisperse Enantiomeric Lactic Acid Oligomers:Â Preparation, Characterization, and Stereocomplex Formation. Macromolecules, 1998, 31, 6397-6402.	4.8	158
62	Bioreducible poly(amido amine)s with oligoamine side chains: Synthesis, characterization, and structural effects on gene delivery. Journal of Controlled Release, 2008, 126, 166-174.	9.9	156
63	Low Molecular Weight Linear Polyethylenimine-b-poly(ethylene glycol)-b-polyethylenimine Triblock Copolymers:Â Synthesis, Characterization, and in Vitro Gene Transfer Properties. Biomacromolecules, 2005, 6, 3440-3448.	5.4	152
64	The effect of the processing and formulation parameters on the size of nanoparticles based on block copolymers of poly(ethylene glycol) and poly(N-isopropylacrylamide) with and without hydrolytically sensitive groups. Biomaterials, 2004, 25, 2409-2418.	11.4	147
65	A Printable Photopolymerizable Thermosensitive p(HPMAmâ€lactate)â€PEG Hydrogel for Tissue Engineering. Advanced Functional Materials, 2011, 21, 1833-1842.	14.9	147
66	Steric stabilization of poly(2-(dimethylamino)ethyl methacrylate)-based polyplexes mediates prolonged circulation and tumor targeting in mice. Journal of Gene Medicine, 2004, 6, 64-75.	2.8	146
67	Photopolymerized thermosensitive hydrogels for tailorable diffusion-controlled protein delivery. Journal of Controlled Release, 2009, 140, 230-236.	9.9	144
68	A versatile family of degradable non-viral gene carriers based on hyperbranched poly(ester amine)s. Journal of Controlled Release, 2005, 109, 317-329.	9.9	141
69	Functionalized Poly(Î±-hydroxy acid)s via Ring-Opening Polymerization:Â Toward Hydrophilic Polyesters with Pendant Hydroxyl Groups. Macromolecules, 2006, 39, 3500-3508.	4.8	141
70	In vivo biocompatibility of dextran-based hydrogels. , 2000, 50, 397-404.		136
71	Physicochemical Characterization of Degradable Thermosensitive Polymeric Micelles. Langmuir, 2004, 20, 9388-9395.	3.5	136
72	Biomedical Applications of Self-Assembling Peptides. Bioconjugate Chemistry, 2016, 27, 3-18.	3.6	136

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73	The Nuclear Pore Complex: The Gateway to Successful Nonviral Gene Delivery. Pharmaceutical Research, 2006, 23, 447-459.	3.5	135
74	Self-Assembling Hydrogels Based on Î²-Cyclodextrin/Cholesterol Inclusion Complexes. Macromolecules, 2008, 41, 1766-1773.	4.8	135
75	Conjugation of ovalbumin to trimethyl chitosan improves immunogenicity of the antigen. Journal of Controlled Release, 2010, 143, 207-214.	9.9	134
76	Nanomedicines for Inflammatory Arthritis: Head-to-Head Comparison of Glucocorticoid-Containing Polymers, Micelles, and Liposomes. ACS Nano, 2014, 8, 458-466.	14.6	133
77	Clinical application of polymeric micelles for the treatment of cancer. Materials Chemistry Frontiers, 2017, 1, 1485-1501.	5.9	133
78	Hydrolytic degradation of oligo(lactic acid): a kinetic and mechanistic study. Polymer, 2004, 45, 6779-6787.	3.8	125
79	Physicoâ€Chemical Strategies to Enhance Stability and Drug Retention of Polymeric Micelles for Tumorâ€Targeted Drug Delivery. Macromolecular Bioscience, 2017, 17, 1600160.	4.1	125
80	Covalent attachment of a three-dimensionally printed thermoplast to a gelatin hydrogel for mechanically enhanced cartilage constructs. Acta Biomaterialia, 2014, 10, 2602-2611.	8.3	123
81	Association and dissociation characteristics of polymer/DNA complexes used for gene delivery. Pharmaceutical Research, 1999, 16, 1534-1541.	3.5	122
82	Preparation and characterization of a three-dimensional printed scaffold based on a functionalized polyester for bone tissue engineering applications. Acta Biomaterialia, 2011, 7, 1999-2006.	8.3	120
83	Tumor stroma-containing 3D spheroid arrays: A tool to study nanoparticle penetration. Journal of Controlled Release, 2016, 244, 257-268.	9.9	119
84	Nanomedicine and macroscale materials in immuno-oncology. Chemical Society Reviews, 2019, 48, 351-381.	38.1	118
85	Nanogels for intracellular delivery of biotherapeutics. Journal of Controlled Release, 2017, 259, 16-28.	9.9	116
86	Peripheral and Axial Substitution of Phthalocyanines with Solketal Groups:Â Synthesis and In Vitro Evaluation for Photodynamic Therapy. Journal of Medicinal Chemistry, 2007, 50, 1485-1494.	6.4	113
87	Intrinsically active nanobody-modified polymeric micelles for tumor-targeted combination therapy. Biomaterials, 2013, 34, 1255-1260.	11.4	111
88	A thermo-responsive and photo-polymerizable chondroitin sulfate-based hydrogel for 3D printing applications. Carbohydrate Polymers, 2016, 149, 163-174.	10.2	111
89	A Synthetic Thermosensitive Hydrogel for Cartilage Bioprinting and Its Biofunctionalization with Polysaccharides. Biomacromolecules, 2016, 17, 2137-2147.	5.4	111
90	Photosensitiser-loaded biodegradable polymeric micelles: Preparation, characterisation and in vitro PDT efficacy. Journal of Controlled Release, 2007, 124, 144-153.	9.9	110

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91	Preparation and characterization of folate-targeted pEG-coated pDMAEMA-based polyplexes. Journal of Controlled Release, 2003, 87, 167-176.	9.9	109
92	Water-soluble biodegradable cationic polyphosphazenes for gene delivery. Journal of Controlled Release, 2003, 89, 483-497.	9.9	109
93	How to screen non-viral gene delivery systems in vitro?. Journal of Controlled Release, 2011, 154, 218-232.	9.9	105
94	Biodegradable hydrogels based on stereocomplex formation between lactic acid oligomers grafted to dextran. Journal of Controlled Release, 2001, 72, 47-56.	9.9	104
95	In vivo nanotoxicity testing using the zebrafish embryo assay. Journal of Materials Chemistry B, 2013, 1, 3918.	5.8	104
96	Hyaluronic acid and chondroitin sulfate (meth)acrylate-based hydrogels for tissue engineering: Synthesis, characteristics and pre-clinical evaluation. Biomaterials, 2021, 268, 120602.	11.4	104
97	Poly(N-(2-hydroxypropyl) Methacrylamide Mono/Di Lactate):Â A New Class of Biodegradable Polymers with Tuneable Thermosensitivity. Biomacromolecules, 2004, 5, 818-821.	5.4	102
98	Glucocorticoidâ€Loaded Coreâ€Crossâ€Linked Polymeric Micelles with Tailorable Release Kinetics for Targeted Therapy of Rheumatoid Arthritis. Angewandte Chemie - International Edition, 2012, 51, 7254-7258.	13.8	102
99	Effect of cationic carriers on the pharmacokinetics and tumor localization of nucleic acids after intravenous administration. International Journal of Pharmaceutics, 2007, 331, 167-175.	5.2	101
100	Proteinâ€Release Behavior of Selfâ€Assembled PEGâ€“Î²â€Cyclodextrin/PEGâ€“Cholesterol Hydrogels. Advanced Functional Materials, 2009, 19, 2992-3001.	14.9	101
101	In Situ Forming Hydrogels by Tandem Thermal Gelling and Michael Addition Reaction between Thermosensitive Triblock Copolymers and Thiolated Hyaluronan. Macromolecules, 2010, 43, 5771-5778.	4.8	101
102	Novel Reduction-Responsive Cross-Linked Polyethylenimine Derivatives by Click Chemistry for Nonviral Gene Delivery. Bioconjugate Chemistry, 2010, 21, 1827-1835.	3.6	99
103	Photopolymerized Thermosensitive Hydrogels: Synthesis, Degradation, and Cytocompatibility. Biomacromolecules, 2008, 9, 919-926.	5.4	97
104	Circulation kinetics and biodistribution of dual-labeled polymersomes with modulated surface charge in tumor-bearing mice: Comparison with stealth liposomes. Journal of Controlled Release, 2011, 155, 282-288.	9.9	97
105	An NLS peptide covalently linked to linear DNA does not enhance transfection efficiency of cationic polymer based gene delivery systems. Journal of Gene Medicine, 2005, 7, 208-217.	2.8	96
106	The effect of lauryl capping group on protein release and degradation of poly(d,l-lactic-co-glycolic) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50	9.9	95
107	Poly(N-isopropylacrylamide) with hydrolyzable lactic acid ester side groups: a new type of thermosensitive polymer. Macromolecular Rapid Communications, 1999, 20, 577-581.	3.9	94
108	Thermosensitive polymeric micelles for targeted drug delivery. Nanomedicine, 2011, 6, 1245-1255.	3.3	94

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109	Nanobody â€" Shell functionalized thermosensitive core-crosslinked polymeric micelles for active drug targeting. Journal of Controlled Release, 2011, 151, 183-192.	9.9	94
110	Looped Structure of Flowerlike Micelles Revealed by ¹H NMR Relaxometry and Light Scattering. Langmuir, 2011, 27, 9843-9848.	3.5	92
111	Insights into maleimide-thiol conjugation chemistry: Conditions for efficient surface functionalization of nanoparticles for receptor targeting. Journal of Controlled Release, 2018, 282, 101-109.	9.9	91
112	Rheological Studies of Thermosensitive Triblock Copolymer Hydrogels. Langmuir, 2006, 22, 10180-10184.	3.5	90
113	Polymeric microparticles for sustained and local delivery of antiCD40 and antiCTLA-4 in immunotherapy of cancer. Biomaterials, 2015, 61, 33-40.	11.4	89
114	Polymeric delivery systems for nucleic acid therapeutics: Approaching the clinic. Journal of Controlled Release, 2021, 331, 121-141.	9.9	89
115	The fate of poly(2-dimethyl amino ethyl)methacrylate-based polyplexes after intravenous administration. International Journal of Pharmaceutics, 2001, 214, 99-101.	5.2	88
116	Nanobody-albumin nanoparticles (NANAPs) for the delivery of a multikinase inhibitor 17864 to EGFR overexpressing tumor cells. Journal of Controlled Release, 2013, 165, 110-118.	9.9	88
117	Complete regression of breast tumour with a single dose of docetaxel-entrapped core-cross-linked polymeric micelles. Biomaterials, 2015, 53, 370-378.	11.4	88
118	Effects of Physicochemical Characteristics of Poly(2-(dimethylamino)ethyl methacrylate)-Based Polyplexes on Cellular Association and Internalization. Journal of Drug Targeting, 2000, 8, 51-66.	4.4	87
119	Formation of dextran hydrogels by crystallization. Biomaterials, 2001, 22, 1891-1898.	11.4	87
120	Self-Assembly of Recombinant Amphiphilic Oligopeptides into Vesicles. Biomacromolecules, 2007, 8, 2753-2761.	5.4	87
121	Polymeric nanoparticles for co-delivery of synthetic long peptide antigen and poly IC as therapeutic cancer vaccine formulation. Journal of Controlled Release, 2015, 203, 16-22.	9.9	87
122	Degradation Mechanism and Kinetics of Thermosensitive Polyacrylamides Containing Lactic Acid Side Chains. Macromolecules, 2003, 36, 7491-7498.	4.8	86
123	Influence of the degree of acetylation on the enzymatic degradation and in vitro biological properties of trimethylated chitosans. Biomaterials, 2009, 30, 3129-3135.	11.4	86
124	Degradation Kinetics of Methacrylated Dextrans in Aqueous Solution. Journal of Pharmaceutical Sciences, 1997, 86, 413-417.	3.3	85
125	Development of a thermosensitive HAMA-containing bio-ink for the fabrication of composite cartilage repair constructs. Biofabrication, 2017, 9, 015026.	7.1	85
126	Novel Fast Degradable Thermosensitive Polymeric Micelles Based on PEG-block-poly(N-(2-hydroxyethyl)methacrylamide-oligolactates). Biomacromolecules, 2005, 6, 2343-2351.	5.4	84

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127	Tumor-targeted Nanobullets: Anti-EGFR nanobody-liposomes loaded with anti-IGF-1R kinase inhibitor for cancer treatment. Journal of Controlled Release, 2012, 159, 281-289.	9.9	83
128	Nanomedicines for advanced cancer treatments: Transitioning towards responsive systems. International Journal of Pharmaceutics, 2016, 515, 132-164.	5.2	83
129	Simultaneous Delivery of Multiple Antibacterial Agents from Additively Manufactured Porous Biomaterials to Fully Eradicate Planktonic and Adherent Staphylococcus aureus. ACS Applied Materials & Interfaces, 2017, 9, 25691-25699.	8.0	82
130	Copolymers of 2-(dimethylamino)ethyl methacrylate with ethoxytriethylene glycol methacrylate or N-vinyl-pyrrolidone as gene transfer agents. Journal of Controlled Release, 2000, 64, 193-203.	9.9	80
131	Polymer Side-Chain Degradation as a Tool to Control the Destabilization of Polyplexes. Pharmaceutical Research, 2004, 21, 170-176.	3.5	78
132	The microclimate pH in poly(d,l-lactide-co-hydroxymethyl glycolide) microspheres during biodegradation. Biomaterials, 2012, 33, 7584-7593.	11.4	77
133	Reductionâ€Sensitive Dextran Nanogels Aimed for Intracellular Delivery of Antigens. Advanced Functional Materials, 2015, 25, 2993-3003.	14.9	77
134	Intravitreal hydrogels for sustained release of therapeutic proteins. Journal of Controlled Release, 2020, 326, 419-441.	9.9	76
135	Diffusion of Macromolecules in Dextran Methacrylate Solutions and Gels As Studied by Confocal Scanning Laser Microscopy. Macromolecules, 1997, 30, 4863-4870.	4.8	74
136	In situ crosslinked biodegradable hydrogels loaded with IL-2 are effective tools for local IL-2 therapy. European Journal of Pharmaceutical Sciences, 2004, 21, 561-567.	4.0	74
137	Pharmacokinetics of poly(hydroxyethyl-l-asparagine)-coated liposomes is superior over that of PEG-coated liposomes at low lipid dose and upon repeated administration. Biochimica Et Biophysica Acta - Biomembranes, 2007, 1768, 737-743.	2.6	73
138	Thermoresponsive and Photocrosslinkable PEGMEMA-PPGMA-EGDMA Copolymers from a One-Step ATRP Synthesis. Biomacromolecules, 2009, 10, 822-828.	5.4	73
139	Release behavior and intra-articular biocompatibility of celecoxib-loaded acetyl-capped PCLA-PEG-PCLA thermogels. Biomaterials, 2014, 35, 7919-7928.	11.4	73
140	A Kinetic Degradation Study of Curcumin in Its Free Form and Loaded in Polymeric Micelles. AAPS Journal, 2016, 18, 777-787.	4.4	73
141	Targeting hepatocyte growth factor receptor (Met) positive tumor cells using internalizing nanobody-decorated albumin nanoparticles. Biomaterials, 2014, 35, 601-610.	11.4	72
142	Clinically established biodegradable long acting injectables: An industry perspective. Advanced Drug Delivery Reviews, 2020, 167, 19-46.	13.7	72
143	A comparative biocompatibility study of microspheres based on crosslinked dextran or poly(lactic-co-glycolic)acid after subcutaneous injection in rats. Journal of Biomedical Materials Research Part B, 2001, 56, 600-609.	3.1	71
144	Mobility of model proteins in hydrogels composed of oppositely charged dextran microspheres studied by protein release and fluorescence recovery after photobleaching. Journal of Controlled Release, 2005, 110, 67-78.	9.9	70

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145	Methacrylamide Polymers with Hydrolysis-Sensitive Cationic Side Groups as Degradable Gene Carriers. Bioconjugate Chemistry, 2006, 17, 1077-1084.	3.6	70
146	In vivo tumor transfection mediated by polyplexes based on biodegradable poly(DMAEA)-phosphazene. Journal of Controlled Release, 2005, 109, 275-287.	9.9	69
147	Shielding the cationic charge of nanoparticle-formulated dermal DNA vaccines is essential for antigen expression and immunogenicity. Journal of Controlled Release, 2010, 141, 234-240.	9.9	67
148	Urea removal strategies for dialysate regeneration in a wearable artificial kidney. Biomaterials, 2020, 234, 119735.	11.4	67
149	Supramolecular hydrogels formed by Î²-cyclodextrin self-association and hostâ€“guest inclusion complexes. Soft Matter, 2010, 6, 187-194.	2.7	65
150	Cationic polymethacrylates with covalently linked membrane destabilizing peptides as gene delivery vectors. Journal of Controlled Release, 2005, 101, 233-246.	9.9	64
151	Rheological Behavior of Self-Assembling PEG-Î²-Cyclodextrin/PEG-Cholesterol Hydrogels. Langmuir, 2008, 24, 12559-12567.	3.5	64
152	Preparation and characterization of protein loaded microspheres based on a hydroxylated aliphatic polyester, poly(lactic-co-hydroxymethyl glycolic acid). Journal of Controlled Release, 2009, 138, 57-63.	9.9	64
153	Hyperthermiaâ€Induced Drug Delivery from Thermosensitive Liposomes Encapsulated in an Injectable Hydrogel for Local Chemotherapy. Advanced Healthcare Materials, 2014, 3, 854-859.	7.6	64
154	Near-infrared labeled, ovalbumin loaded polymeric nanoparticles based on a hydrophilic polyester as model vaccine: InÂvivo tracking and evaluation of antigen-specific CD8 + T cell immune response. Biomaterials, 2015, 37, 469-477.	11.4	64
155	Molar-Mass Characterization of Cationic Polymers for Gene Delivery by Aqueous Size-Exclusion Chromatography. Pharmaceutical Research, 2006, 23, 595-603.	3.5	62
156	The effect of core composition in biodegradable oligomeric micelles as taxane formulations. European Journal of Pharmaceutics and Biopharmaceutics, 2008, 68, 596-606.	4.3	62
157	Gene Silencing Activity of siRNA Polyplexes Based on Thiolated N,N,N-Trimethylated Chitosan. Bioconjugate Chemistry, 2010, 21, 2339-2346.	3.6	62
158	mRNA Polyplexes with Post-Conjugated GALA Peptides Efficiently Target, Transfect, and Activate Antigen Presenting Cells. Bioconjugate Chemistry, 2019, 30, 461-475.	3.6	62
159	In situ forming acyl-capped PCLAâ€“PEGâ€“PCLA triblock copolymer based hydrogels. Biomaterials, 2013, 34, 8002-8011.	11.4	61
160	Thermoresponsive Injectable Hydrogels Cross-Linked by Native Chemical Ligation. Macromolecules, 2014, 47, 2430-2438.	4.8	61
161	HPMA-based polymeric micelles for curcumin solubilization and inhibition of cancer cell growth. European Journal of Pharmaceutics and Biopharmaceutics, 2015, 94, 501-512.	4.3	61
162	Comparative transfection studies of human ovarian carcinoma cellsin vitro,ex vivo andin vivo with poly(2-(dimethylamino)ethyl methacrylate)-based polyplexes. Journal of Gene Medicine, 1999, 1, 156-165.	2.8	59

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163	PEG shielded polymeric double-layered micelles for gene delivery. Journal of Controlled Release, 2005, 102, 711-724.	9.9	59
164	Biodegradable Poly(2-Dimethylamino Ethylamino)Phosphazene for In Vivo Gene Delivery to Tumor Cells. Effect of Polymer Molecular Weight. Pharmaceutical Research, 2007, 24, 1572-1580.	3.5	59
165	Controlled Release of Octreotide and Assessment of Peptide Acylation from Poly(D,L-lactide-co-hydroxymethyl glycolide) Compared to PLGA Microspheres. Pharmaceutical Research, 2012, 29, 110-120.	3.5	58
166	Overcoming multidrug resistance using folate receptor-targeted and pH-responsive polymeric nanogels containing covalently entrapped doxorubicin. Nanoscale, 2017, 9, 10404-10419.	5.6	58
167	Relationship between structure and adjuvanticity of N,N,N-trimethyl chitosan (TMC) structural variants in a nasal influenza vaccine. Journal of Controlled Release, 2009, 140, 126-133.	9.9	57
168	A stimuli responsive liposome loaded hydrogel provides flexible on-demand release of therapeutic agents. Acta Biomaterialia, 2017, 48, 110-119.	8.3	57
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