

Jindrich Kopecek

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#	Paper	IF	Citations
244	Hydrogel biomaterials: a smart future?. <i>Biomaterials</i> , 2007 , 28, 5185-92	15.6	717
243	Diverse Applications of Nanomedicine. <i>ACS Nano</i> , 2017 , 11, 2313-2381	16.7	714
242	Prospects for cationic polymers in gene and oligonucleotide therapy against cancer. <i>Advanced Drug Delivery Reviews</i> , 2002 , 54, 715-58	18.5	705
241	Hybrid hydrogels assembled from synthetic polymers and coiled-coil protein domains. <i>Nature</i> , 1999 , 397, 417-20	50.4	503
240	HPMA copolymers: origins, early developments, present, and future. <i>Advanced Drug Delivery Reviews</i> , 2010 , 62, 122-49	18.5	456
239	Protein-resistant surfaces prepared by PEO-containing block copolymer surfactants. <i>Journal of Biomedical Materials Research Part B</i> , 1989 , 23, 351-68		360
238	Hydrogels as smart biomaterials. <i>Polymer International</i> , 2007 , 56, 1078-1098	3.3	337
237	Polymer-drug conjugates: origins, progress to date and future directions. <i>Advanced Drug Delivery Reviews</i> , 2013 , 65, 49-59	18.5	287
236	Intracellular targeting of polymer-bound drugs for cancer chemotherapy. <i>Advanced Drug Delivery Reviews</i> , 2005 , 57, 609-36	18.5	278
235	HYDROGELS FROM SOFT CONTACT LENSES AND IMPLANTS TO SELF-ASSEMBLED NANOMATERIALS. <i>Journal of Polymer Science Part A</i> , 2009 , 47, 5929-5946	2.5	274
234	Smart self-assembled hybrid hydrogel biomaterials. <i>Angewandte Chemie - International Edition</i> , 2012 , 51, 7396-417	16.4	244
233	Smart and genetically engineered biomaterials and drug delivery systems. <i>European Journal of Pharmaceutical Sciences</i> , 2003 , 20, 1-16	5.1	229
232	PEGylation of poly(ethylene imine) affects stability of complexes with plasmid DNA under in vivo conditions in a dose-dependent manner after intravenous injection into mice. <i>Bioconjugate Chemistry</i> , 2005 , 16, 785-92	6.3	208
231	Polymers containing enzymatically degradable bonds, 8. Degradation of oligopeptide sequences in N-(2-hydroxypropyl)methacrylamide copolymers by bovine spleen cathepsin B. <i>Die Makromolekulare Chemie</i> , 1983 , 184, 2009-2020		208
230	Peptide-directed self-assembly of hydrogels. <i>Acta Biomaterialia</i> , 2009 , 5, 805-16	10.8	183
229	Surface properties of copolymers of alkyl methacrylates with methoxy (polyethylene oxide) methacrylates and their application as protein-resistant coatings. <i>Biomaterials</i> , 1990 , 11, 455-64	15.6	179
228	Aminolyses of monomeric and polymeric 4-nitrophenyl esters of N-methacryloylamino acids. <i>Die Makromolekulare Chemie</i> , 1977 , 178, 2159-2168		172

227	Bone-targeting macromolecular therapeutics. <i>Advanced Drug Delivery Reviews</i> , 2005 , 57, 1049-76	18.5	157
226	Efficacy of the chemotherapeutic action of HPMA copolymer-bound doxorubicin in a solid tumor model of ovarian carcinoma. <i>International Journal of Cancer</i> , 2000 , 86, 108-17	7.5	152
225	Polymers containing enzymatically degradable bonds, 7. Design of oligopeptide side-chains in poly[N-(2-hydroxypropyl)methacrylamide] copolymers to promote efficient degradation by lysosomal enzymes. <i>Die Makromolekulare Chemie</i> , 1983 , 184, 1997-2008		151
224	Targeted delivery of doxorubicin by HPMA copolymer-hyaluronan bioconjugates. <i>Pharmaceutical Research</i> , 2002 , 19, 396-402	4.5	142
223	Controlled biodegradability of polymers--a key to drug delivery systems. <i>Biomaterials</i> , 1984 , 5, 19-25	15.6	140
222	Reversible hydrogels from self-assembling genetically engineered protein block copolymers. <i>Biomacromolecules</i> , 2005 , 6, 1739-49	6.9	139
221	Synthesis and evaluation of water-soluble polymeric bone-targeted drug delivery systems. <i>Bioconjugate Chemistry</i> , 2003 , 14, 853-9	6.3	133
220	Refolding hydrogels self-assembled from N-(2-hydroxypropyl)methacrylamide graft copolymers by antiparallel coiled-coil formation. <i>Biomacromolecules</i> , 2006 , 7, 1187-95	6.9	132
219	Pegylated polyethylenimine-Fab' antibody fragment conjugates for targeted gene delivery to human ovarian carcinoma cells. <i>Bioconjugate Chemistry</i> , 2003 , 14, 989-96	6.3	130
218	Intracellular processing of poly(ethylene imine)/ribozyme complexes can be observed in living cells by using confocal laser scanning microscopy and inhibitor experiments. <i>Pharmaceutical Research</i> , 2002 , 19, 140-6	4.5	126
217	Novel pH-sensitive hydrogels with adjustable swelling kinetics. <i>Biomaterials</i> , 1998 , 19, 1037-47	15.6	124
216	Biodegradation of biomedical polymers. <i>Progress in Polymer Science</i> , 1983 , 9, 1-58	29.6	116
215	Polymers containing enzymatically degradable bonds, 1. Chymotrypsin catalyzed hydrolysis of p-nitroanilides of phenylalanine and tyrosine attached to side-chains of copolymers of N-(2-hydroxypropyl)methacrylamide. <i>Die Makromolekulare Chemie</i> , 1981 , 182, 799-809		115
214	Tat-conjugated synthetic macromolecules facilitate cytoplasmic drug delivery to human ovarian carcinoma cells. <i>Bioconjugate Chemistry</i> , 2003 , 14, 44-50	6.3	113
213	The pharmacokinetics of polymer-bound adriamycin. <i>Biochemical Pharmacology</i> , 1990 , 39, 1125-31	6	113
212	Enhancing Accumulation and Penetration of HPMA Copolymer-Doxorubicin Conjugates in 2D and 3D Prostate Cancer Cells via iRGD Conjugation with an MMP-2 Cleavable Spacer. <i>Journal of the American Chemical Society</i> , 2015 , 137, 6726-9	16.4	112
211	Biodegradable Multiblock Poly[N-(2-hydroxypropyl)methacrylamide] via Reversible Addition-Fragmentation Chain Transfer Polymerization and Click Chemistry. <i>Macromolecules</i> , 2011 , 44, 2481-2488	5.5	111
210	Targeting polymer therapeutics to bone. <i>Advanced Drug Delivery Reviews</i> , 2012 , 64, 1189-204	18.5	110

209	Sequential combination therapy of ovarian cancer with degradable N-(2-hydroxypropyl)methacrylamide copolymer paclitaxel and gemcitabine conjugates. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014 , 111, 12181-6	11.5	108
208	Polymerizable Fab' antibody fragments for targeting of anticancer drugs. <i>Nature Biotechnology</i> , 1999 , 17, 1101-4	44.5	106
207	Cytoplasmic delivery and nuclear targeting of synthetic macromolecules. <i>Journal of Controlled Release</i> , 2003 , 87, 89-105	11.7	103
206	Comparison of the anticancer effect of free and HPMA copolymer-bound adriamycin in human ovarian carcinoma cells. <i>Pharmaceutical Research</i> , 1999 , 16, 986-96	4.5	102
205	Synthesis of Biodegradable Multiblock Copolymers by Click Coupling of RAFT-Generated Heterotelechelic PolyHPMA Conjugates. <i>Reactive and Functional Polymers</i> , 2011 , 71, 294-302	4.6	99
204	Drug-free macromolecular therapeutics: induction of apoptosis by coiled-coil-mediated cross-linking of antigens on the cell surface. <i>Angewandte Chemie - International Edition</i> , 2010 , 49, 1451-5	16.4	99
203	Synthesis of starlike N-(2-hydroxypropyl)methacrylamide copolymers: potential drug carriers. <i>Biomacromolecules</i> , 2000 , 1, 313-9	6.9	98
202	Hydrogels for site-specific drug delivery to the colon: in vitro and in vivo degradation. <i>Pharmaceutical Research</i> , 1992 , 9, 1540-5	4.5	98
201	Targetable polymeric prodrugs. <i>Journal of Controlled Release</i> , 1987 , 6, 315-327	11.7	96
200	Design of novel bioconjugates for targeted drug delivery. <i>Journal of Controlled Release</i> , 2002 , 78, 165-73	11.7	95
199	Antigen Responsive Hydrogels Based on Polymerizable Antibody Fab' Fragment. <i>Macromolecular Bioscience</i> , 2003 , 3, 296-300	5.5	95
198	Anticancer agents coupled to N-(2-hydroxypropyl)methacrylamide copolymers. 3. Evaluation of adriamycin conjugates against mouse leukaemia L1210 in vivo. <i>Journal of Controlled Release</i> , 1989 , 10, 51-63	11.7	94
197	Synthesis and evaluation of a backbone biodegradable multiblock HPMA copolymer nanocarrier for the systemic delivery of paclitaxel. <i>Journal of Controlled Release</i> , 2013 , 166, 66-74	11.7	93
196	Associative diblock copolymers of poly(ethylene glycol) and coiled-coil peptides. <i>Macromolecular Bioscience</i> , 2002 , 2, 199	5.5	93
195	Degradation of side-chains of N-(2-hydroxypropyl)methacrylamide copolymers by lysosomal thiol-proteinases. <i>Bioscience Reports</i> , 1982 , 2, 1041-6	4.1	92
194	Targeting angiogenesis-dependent calcified neoplasms using combined polymer therapeutics. <i>PLoS ONE</i> , 2009 , 4, e5233	3.7	92
193	Smart hydrogels containing adenylate kinase: translating substrate recognition into macroscopic motion. <i>Journal of the American Chemical Society</i> , 2008 , 130, 15760-1	16.4	90
192	Solution properties of drug carriers based on poly[N-(2-hydroxypropyl)methacrylamide] containing biodegradable bonds. <i>Die Makromolekulare Chemie</i> , 1987 , 188, 1261-1272		90

191	Chronic exposure to HPMA copolymer-bound adriamycin does not induce multidrug resistance in a human ovarian carcinoma cell line. <i>Journal of Controlled Release</i> , 1999 , 59, 133-48	11.7	89
190	In vitro degradation of pH-sensitive hydrogels containing aromatic azo bonds. <i>Biomaterials</i> , 1997 , 18, 861-72	15.6	86
189	Backbone degradable multiblock N-(2-hydroxypropyl)methacrylamide copolymer conjugates via reversible addition-fragmentation chain transfer polymerization and thiol-ene coupling reaction. <i>Biomacromolecules</i> , 2011 , 12, 247-52	6.9	83
188	Photodynamic crosslinking of proteins. I. Model studies using histidine- and lysine-containing N-(2-hydroxypropyl)methacrylamide copolymers. <i>Journal of Photochemistry and Photobiology B: Biology</i> , 1996 , 34, 203-10	6.7	83
187	Biodistribution and pharmacokinetic studies of bone-targeting N-(2-hydroxypropyl)methacrylamide copolymer-alendronate conjugates. <i>Molecular Pharmaceutics</i> , 2008 , 5, 548-58	5.6	82
186	Biological properties of targetable poly[N-(2-hydroxypropyl)-methacrylamide]-antibody conjugates. <i>Journal of Controlled Release</i> , 1985 , 2, 289-310	11.7	81
185	Osteotropic Peptide that differentiates functional domains of the skeleton. <i>Bioconjugate Chemistry</i> , 2007 , 18, 1375-8	6.3	80
184	HPMA copolymer-anticancer drug-OV-TL16 antibody conjugates. II. Processing in epithelial ovarian carcinoma cells in vitro. <i>International Journal of Cancer</i> , 1998 , 75, 600-8	7.5	77
183	Pharmacokinetic and biodistribution studies of a bone-targeting drug delivery system based on N-(2-hydroxypropyl)methacrylamide copolymers. <i>Molecular Pharmaceutics</i> , 2006 , 3, 717-25	5.6	75
182	Biorecognizable HPMA copolymer-drug conjugates for colon-specific delivery of 9-aminocamptothecin. <i>Journal of Controlled Release</i> , 2001 , 75, 365-79	11.7	74
181	Polymers containing enzymatically degradable bonds. VI. Hydrophilic gels cleavable by chymotrypsin. <i>Biomaterials</i> , 1982 , 3, 150-4	15.6	74
180	Activity of N-(2-hydroxypropyl)methacrylamide copolymers containing daunomycin against a rat tumour model. <i>Biochemical Pharmacology</i> , 1989 , 38, 875-9	6	73
179	Enhanced anti-tumor activity and safety profile of targeted nano-scaled HPMA copolymer-alendronate-TNP-470 conjugate in the treatment of bone malignances. <i>Biomaterials</i> , 2011 , 32, 4450-63	15.6	71
178	Hybrid hydrogels self-assembled from HPMA copolymers containing peptide grafts. <i>Macromolecular Bioscience</i> , 2006 , 6, 201-9	5.5	69
177	Enhanced biorecognition and internalization of HPMA copolymers containing multiple or multivalent carbohydrate side-chains by human hepatocarcinoma cells. <i>Bioconjugate Chemistry</i> , 2001 , 12, 890-9	6.3	67
176	Biodistribution of free and N-(2-hydroxypropyl)methacrylamide copolymer-bound mesochlorin e(6) and adriamycin in nude mice bearing human ovarian carcinoma OVCAR-3 xenografts. <i>Journal of Controlled Release</i> , 1999 , 61, 145-57	11.7	67
175	Coiled-coil based drug-free macromolecular therapeutics: in vivo efficacy. <i>Journal of Controlled Release</i> , 2012 , 157, 126-31	11.7	63
174	Genetically engineered block copolymers: influence of the length and structure of the coiled-coil blocks on hydrogel self-assembly. <i>Pharmaceutical Research</i> , 2008 , 25, 674-82	4.5	62

173	Cell surface self-assembly of hybrid nanoconjugates via oligonucleotide hybridization induces apoptosis. <i>ACS Nano</i> , 2014 , 8, 719-30	16.7	60
172	Colon-specific 9-aminocamptothecin-HPMA copolymer conjugates containing a 1,6-elimination spacer. <i>Journal of Controlled Release</i> , 2006 , 110, 323-331	11.7	60
171	Preliminary evaluation of caspases-dependent apoptosis signaling pathways of free and HPMA copolymer-bound doxorubicin in human ovarian carcinoma cells. <i>Journal of Controlled Release</i> , 2001 , 71, 227-37	11.7	57
170	Semitelechelic HPMA copolymers functionalized with triphenylphosphonium as drug carriers for membrane transduction and mitochondrial localization. <i>Biomacromolecules</i> , 2006 , 7, 2347-56	6.9	56
169	Macromolecular therapeutics. <i>Journal of Controlled Release</i> , 2014 , 190, 288-303	11.7	55
168	Endocytic uptake of a large array of HPMA copolymers: Elucidation into the dependence on the physicochemical characteristics. <i>Journal of Controlled Release</i> , 2010 , 143, 71-9	11.7	54
167	Biological rationale for the design of polymeric anti-cancer nanomedicines. <i>Journal of Drug Targeting</i> , 2013 , 21, 1-26	5.4	53
166	Hyaluronan oligomers-HPMA copolymer conjugates for targeting paclitaxel to CD44-overexpressing ovarian carcinoma. <i>Pharmaceutical Research</i> , 2012 , 29, 1121-33	4.5	53
165	Biorecognition and subcellular trafficking of HPMA copolymer-anti-PSMA antibody conjugates by prostate cancer cells. <i>Molecular Pharmaceutics</i> , 2009 , 6, 959-70	5.6	53
164	The influence of cytotoxicity of macromolecules and of VEGF gene modulated vascular permeability on the enhanced permeability and retention effect in resistant solid tumors. <i>Pharmaceutical Research</i> , 2000 , 17, 505-14	4.5	53
163	Degradation of side chains of N-(2-hydroxypropyl) methacrylamide copolymers by lysosomal enzymes. <i>Biochemical and Biophysical Research Communications</i> , 1980 , 94, 284-90	3.4	53
162	Combination chemotherapy and photodynamic therapy with Fab' fragment targeted HPMA copolymer conjugates in human ovarian carcinoma cells. <i>Molecular Pharmaceutics</i> , 2008 , 5, 696-709	5.6	52
161	N-(2-hydroxypropyl) methacrylamide copolymers containing pendant saccharide moieties: Synthesis and bioadhesive properties. <i>Journal of Polymer Science Part A</i> , 1991 , 29, 1895-1902	2.5	52
160	Polymers containing enzymatically degradable bonds, 2. Poly[N-(2-hydroxypropyl)methacrylamide] chains connected by oligopeptide sequences cleavable by chymotrypsin. <i>Die Makromolekulare Chemie</i> , 1981 , 182, 1899-1915		52
159	The arthrotropism of macromolecules in adjuvant-induced arthritis rat model: a preliminary study. <i>Pharmaceutical Research</i> , 2004 , 21, 1741-9	4.5	51
158	Anti-CD20 multivalent HPMA copolymer-Fab' conjugates for the direct induction of apoptosis. <i>Biomaterials</i> , 2012 , 33, 7174-81	15.6	50
157	Synthesis of long-circulating, backbone degradable HPMA copolymer-doxorubicin conjugates and evaluation of molecular-weight-dependent antitumor efficacy. <i>Macromolecular Bioscience</i> , 2013 , 13, 155-60	5.5	50
156	Synthesis and characterization of novel aromatic azo bond-containing pH-sensitive and hydrolytically cleavable IPN hydrogels. <i>Biomaterials</i> , 2006 , 27, 1140-51	15.6	49

155	Enzymatic activity of chymotrypsin and its poly(ethylene glycol) conjugates toward low and high molecular weight substrates. <i>Bioconjugate Chemistry</i> , 1993 , 4, 290-5	6.3	49
154	Poly[N -(2-hydroxypropyl)methacrylamide- block - n -butyl acrylate] micelles in water/DMF mixed solvents. <i>Polymer</i> , 2002 , 43, 3735-3741	3.9	48
153	Water-soluble HPMA copolymer--prostaglandin E1 conjugates containing a cathepsin K sensitive spacer. <i>Journal of Drug Targeting</i> , 2006 , 14, 425-35	5.4	47
152	The coiled coils in the design of protein-based constructs: hybrid hydrogels and epitope displays. <i>Journal of Controlled Release</i> , 2001 , 72, 57-70	11.7	47
151	Degradation of proteins by guinea pig intestinal enzymes. <i>International Journal of Pharmaceutics</i> , 1993 , 95, 171-179	6.5	47
150	Selective inhibitory effect of HPMA copolymer-cyclopamine conjugate on prostate cancer stem cells. <i>Biomaterials</i> , 2012 , 33, 1863-72	15.6	46
149	Hybrid hydrogels self-assembled from graft copolymers containing complementary sheets as hydroxyapatite nucleation scaffolds. <i>Biomaterials</i> , 2011 , 32, 5341-53	15.6	46
148	Lysosomal degradability of poly(alpha-amino acids). <i>Journal of Biomedical Materials Research Part B</i> , 1997 , 34, 381-92		46
147	Poly(ethylene glycol)s containing enzymatically degradable bonds. <i>Die Makromolekulare Chemie</i> , 1986 , 187, 1131-1144		46
146	Polymers containing enzymatically degradable bonds, 4. Preliminary experiments in vivo. <i>Die Makromolekulare Chemie</i> , 1981 , 182, 2941-2949		46
145	HPMA copolymer-based combination therapy toxic to both prostate cancer stem/progenitor cells and differentiated cells induces durable anti-tumor effects. <i>Journal of Controlled Release</i> , 2013 , 172, 946-53	11.7	45
144	FRET-trackable biodegradable HPMA copolymer-epirubicin conjugates for ovarian carcinoma therapy. <i>Journal of Controlled Release</i> , 2015 , 218, 36-44	11.7	44
143	Synthesis and evaluation of multivalent branched HPMA copolymer-Fab' conjugates targeted to the B-cell antigen CD20. <i>Bioconjugate Chemistry</i> , 2009 , 20, 129-37	6.3	44
142	Novel HPMA copolymer-bound constructs for combined tumor and mitochondrial targeting. <i>Molecular Pharmaceutics</i> , 2008 , 5, 776-86	5.6	44
141	Enantioselective release of 5-fluorouracil from N-(2-hydroxypropyl)methacrylamide-based copolymers via lysosomal enzymes. <i>Bioconjugate Chemistry</i> , 1995 , 6, 483-92	6.3	44
140	Design of smart HPMA copolymer-based nanomedicines. <i>Journal of Controlled Release</i> , 2016 , 240, 9-23	11.7	43
139	Combination cytotoxicity of backbone degradable HPMA copolymer gemcitabine and platinum conjugates toward human ovarian carcinoma cells. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2014 , 87, 187-96	5.7	42
138	Dynamic light scattering study of self-assembly of HPMA hybrid graft copolymers. <i>Biomacromolecules</i> , 2008 , 9, 510-7	6.9	42

137	Inhibition of cathepsin K with lysosomotropic macromolecular inhibitors. <i>Biochemistry</i> , 2002 , 41, 8849-59.	2	42
136	Synthesis of HPMa Copolymer Containing Adriamycin Bound via an Acid-Labile Spacer and its Activity toward Human Ovarian Carcinoma Cells. <i>Journal of Bioactive and Compatible Polymers</i> , 1999 , 14, 447-456	2	42
135	Soluble, crosslinked N-(2-hydroxypropyl)methacrylamide copolymers as potential drug carriers. <i>Journal of Controlled Release</i> , 1987 , 4, 265-278	11.7	42
134	The Light at the End of the Tunnel-Second Generation HPMa Conjugates for Cancer Treatment. <i>Current Opinion in Colloid and Interface Science</i> , 2017 , 31, 30-42	7.6	41
133	HPMa copolymer-bound doxorubicin induces apoptosis in ovarian carcinoma cells by the disruption of mitochondrial function. <i>Molecular Pharmaceutics</i> , 2006 , 3, 351-61	5.6	41
132	Biodegradable multiblock poly(N-2-hydroxypropyl)methacrylamide gemcitabine and paclitaxel conjugates for ovarian cancer cell combination treatment. <i>International Journal of Pharmaceutics</i> , 2013 , 454, 435-43	6.5	40
131	Drug-Free Macromolecular Therapeutics--A New Paradigm in Polymeric Nanomedicines. <i>Biomaterials Science</i> , 2015 , 3, 908-22	7.4	40
130	Self-Assembling Hydrogels. <i>Polymer Bulletin</i> , 2007 , 58, 53-63	2.4	40
129	The role of galactose, lactose, and galactose valency in the biorecognition of N-(2-hydroxypropyl)methacrylamide copolymers by human colon adenocarcinoma cells. <i>Pharmaceutical Research</i> , 2002 , 19, 1114-22	4.5	40
128	Responsive hybrid hydrogels with volume transitions modulated by a titin immunoglobulin module. <i>Bioconjugate Chemistry</i> , 2000 , 11, 734-40	6.3	40
127	Effect of galactose on interaction of N-(2-hydroxypropyl)methacrylamide copolymers with hepatoma cells in culture: preliminary application to an anticancer agent, daunomycin. <i>Hepatology</i> , 1989 , 10, 207-14	11.2	40
126	Polymers containing enzymatically degradable bonds, 3. Poly[N-(2-hydroxypropyl)methacrylamide] chains connected by oligopeptide sequences cleavable by trypsin. <i>Die Makromolekulare Chemie</i> , 1981 , 182, 1917-1928		40
125	pH-Sensitive Hydrogels. <i>ACS Symposium Series</i> , 1992 , 285-304	0.4	39
124	Synthesis and characterization of enzymatically degradable PEG-based peptide-containing hydrogels. <i>Macromolecular Bioscience</i> , 2010 , 10, 445-54	5.5	38
123	Free and N-(2-hydroxypropyl)methacrylamide copolymer-bound geldanamycin derivative induce different stress responses in A2780 human ovarian carcinoma cells. <i>Cancer Research</i> , 2003 , 63, 7876-82	10.1	38
122	Inhibition of Immunosuppressive Tumors by Polymer-Assisted Inductions of Immunogenic Cell Death and Multivalent PD-L1 Crosslinking. <i>Advanced Functional Materials</i> , 2020 , 30, 1908961	15.6	37
121	Bone-targeted acid-sensitive doxorubicin conjugate micelles as potential osteosarcoma therapeutics. <i>Bioconjugate Chemistry</i> , 2014 , 25, 2012-20	6.3	36
120	Biomaterials and drug delivery: past, present, and future. <i>Molecular Pharmaceutics</i> , 2010 , 7, 922-5	5.6	36

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118	A Two-Step Pretargeted Nanotherapy for CD20 Crosslinking May Achieve Superior Anti-Lymphoma Efficacy to Rituximab. <i>Theranostics</i> , 2015 , 5, 834-46	12.1	35
117	Biological activity of anti-CD20 multivalent HPMA copolymer-Fab' conjugates. <i>Biomacromolecules</i> , 2012 , 13, 727-35	6.9	35
116	Binding and cytotoxicity of HPMA copolymer conjugates to lymphocytes mediated by receptor-binding epitopes. <i>Pharmaceutical Research</i> , 2003 , 20, 360-7	4.5	35
115	Novel Aromatic Azo-Containing pH-Sensitive Hydrogels: Synthesis and Characterization. <i>Macromolecules</i> , 2002 , 35, 7791-7803	5.5	35
114	Biodegradable and pH sensitive hydrogels: synthesis by a polymer-polymer reaction. <i>Macromolecular Chemistry and Physics</i> , 1996 , 197, 965-980	2.6	35
113	Self-assembling diblock copolymers of poly[N-(2-hydroxypropyl)methacrylamide] and a beta-sheet peptide. <i>Macromolecular Bioscience</i> , 2009 , 9, 36-44	5.5	34
112	Photoregulated association of N-(2-hydroxypropyl)methacrylamide copolymers with azobenzene-containing side chains. <i>Macromolecules</i> , 1992 , 25, 5451-5456	5.5	34
111	Efficiency of high molecular weight backbone degradable HPMA copolymer-prostaglandin E1 conjugate in promotion of bone formation in ovariectomized rats. <i>Biomaterials</i> , 2013 , 34, 6528-38	15.6	33
110	Intracellular trafficking and subcellular distribution of a large array of HPMA copolymers. <i>Biomacromolecules</i> , 2009 , 10, 1704-14	6.9	33
109	In vitro bioadhesion of carbohydrate-containing N-(2-hydroxypropyl) methacrylamide copolymers to the GI tract of guinea pigs. <i>International Journal of Pharmaceutics</i> , 1992 , 87, 105-116	6.5	33
108	Soluble, crosslinked N-(2-hydroxypropyl)methacrylamide copolymers as potential drug carriers. <i>Journal of Controlled Release</i> , 1987 , 4, 253-264	11.7	33
107	Amplification of CD20 Cross-Linking in Rituximab-Resistant B-Lymphoma Cells Enhances Apoptosis Induction by Drug-Free Macromolecular Therapeutics. <i>ACS Nano</i> , 2018 , 12, 3658-3670	16.7	32
106	Synthesis and biological evaluation of disulfide-linked HPMA copolymer-mesochlorin e6 conjugates. <i>Macromolecular Bioscience</i> , 2008 , 8, 375-83	5.5	32
105	Self-assembled hydrogels from poly[N-(2-hydroxypropyl)methacrylamide] grafted with beta-sheet peptides. <i>Biomacromolecules</i> , 2009 , 10, 2319-27	6.9	31
104	Biodistribution and pharmacokinetics of colon-specific HPMA copolymer--9-aminocamptothecin conjugate in mice. <i>Journal of Controlled Release</i> , 2007 , 117, 179-85	11.7	30
103	Synthesis and characterization of poly(ε-caprolactone)-block-poly[N-(2-hydroxypropyl)methacrylamide] micelles for drug delivery. <i>Macromolecular Bioscience</i> , 2011 , 11, 1041-51	5.5	29
102	Identification of CD21-binding peptides with phage display and investigation of binding properties of HPMA copolymer-peptide conjugates. <i>Bioconjugate Chemistry</i> , 2006 , 17, 514-23	6.3	29

101	Prolonged blood circulation in rats of nanospheres surface-modified with semitelechelic poly[N-(2-hydroxypropyl)methacrylamide]. <i>Pharmaceutical Research</i> , 1995 , 12, 663-8	4.5	29
100	Photoregulated Association of Water-Soluble Copolymers with Spirobenzopyran-Containing Side Chains. <i>Macromolecules</i> , 1997 , 30, 5553-5556	5.5	28
99	Chronic exposure of human ovarian carcinoma cells to free or HPMA copolymer-bound mesochlorin e6 does not induce P-glycoprotein-mediated multidrug resistance. <i>Biomaterials</i> , 2000 , 21, 2203-10	15.6	28
98	Time- and concentration-dependent apoptosis and necrosis induced by free and HPMA copolymer-bound doxorubicin in human ovarian carcinoma cells. <i>Journal of Controlled Release</i> , 2000 , 69, 185-96	11.7	28
97	Hybrid polymeric hydrogels via peptide nucleic acid (PNA)/DNA complexation. <i>Journal of Controlled Release</i> , 2015 , 220, 608-16	11.7	27
96	Influence of the structure of drug moieties on the in vitro efficacy of HPMA copolymer-geldanamycin derivative conjugates. <i>Pharmaceutical Research</i> , 2002 , 19, 115-23	4.5	27
95	Correlation of subcellular compartmentalization of HPMA copolymer-Mce6 conjugates with chemotherapeutic activity in human ovarian carcinoma cells. <i>Pharmaceutical Research</i> , 2003 , 20, 728-37	4.5	27
94	Intracellularly biorecognizable derivatives of 5-fluorouracil. Implications for site-specific delivery in the human condition. <i>Biochemical Pharmacology</i> , 1996 , 52, 957-62	6	27
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