

# Kazunori Kataoka

## List of Publications by Citations

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767  
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134  
h-index

230  
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833  
ext. papers

71,840  
ext. citations

9  
avg, IF

8  
L-index

#	Paper	IF	Citations
767	Block copolymer micelles for drug delivery: design, characterization and biological significance. <i>Advanced Drug Delivery Reviews</i> , <b>2001</b> , 47, 113-31	18.5	2907
766	Accumulation of sub-100nm polymeric micelles in poorly permeable tumours depends on size. <i>Nature Nanotechnology</i> , <b>2011</b> , 6, 815-23	28.7	1773
765	PEGylated nanoparticles for biological and pharmaceutical applications. <i>Advanced Drug Delivery Reviews</i> , <b>2003</b> , 55, 403-19	18.5	1185
764	Design of environment-sensitive supramolecular assemblies for intracellular drug delivery: polymeric micelles that are responsive to intracellular pH change. <i>Angewandte Chemie - International Edition</i> , <b>2003</b> , 42, 4640-3	16.4	1150
763	Current state, achievements, and future prospects of polymeric micelles as nanocarriers for drug and gene delivery <b>2006</b> , 112, 630-48		867
762	Formation of Polyion Complex Micelles in an Aqueous Milieu from a Pair of Oppositely-Charged Block Copolymers with Poly(ethylene glycol) Segments. <i>Macromolecules</i> , <b>1995</b> , 28, 5294-5299	5.5	726
761	Diverse Applications of Nanomedicine. <i>ACS Nano</i> , <b>2017</b> , 11, 2313-2381	16.7	714
760	Block copolymer micelles as long-circulating drug vehicles. <i>Advanced Drug Delivery Reviews</i> , <b>1995</b> , 16, 295-309	18.5	673
759	Block copolymer micelles for delivery of gene and related compounds. <i>Advanced Drug Delivery Reviews</i> , <b>2002</b> , 54, 203-22	18.5	664
758	Preparation and biological characterization of polymeric micelle drug carriers with intracellular pH-triggered drug release property: tumor permeability, controlled subcellular drug distribution, and enhanced in vivo antitumor efficacy. <i>Bioconjugate Chemistry</i> , <b>2005</b> , 16, 122-30	6.3	623
757	Block Copolymer Micelles in Nanomedicine Applications. <i>Chemical Reviews</i> , <b>2018</b> , 118, 6844-6892	68.1	608
756	Progress of drug-loaded polymeric micelles into clinical studies. <i>Journal of Controlled Release</i> , <b>2014</b> , 190, 465-76	11.7	601
755	Intelligent polymeric micelles from functional poly(ethylene glycol)-poly(amino acid) block copolymers. <i>Advanced Drug Delivery Reviews</i> , <b>2009</b> , 61, 768-84	18.5	549
754	Doxorubicin-loaded poly(ethylene glycol)-poly(beta-benzyl-L-aspartate) copolymer micelles: their pharmaceutical characteristics and biological significance. <i>Journal of Controlled Release</i> , <b>2000</b> , 64, 143-53	11.7	542
753	Chain length recognition: core-shell supramolecular assembly from oppositely charged block copolymers. <i>Science</i> , <b>1999</b> , 283, 65-7	33.3	521
752	Totally Synthetic Polymer Gels Responding to External Glucose Concentration: Their Preparation and Application to On/Off Regulation of Insulin Release. <i>Journal of the American Chemical Society</i> , <b>1998</b> , 120, 12694-12695	16.4	507
751	Block copolymer micelles for drug delivery: Design, characterization and biological significance. <i>Advanced Drug Delivery Reviews</i> , <b>2012</b> , 64, 37-48	18.5	489

750	Development of the polymer micelle carrier system for doxorubicin. <i>Journal of Controlled Release</i> , <b>2001</b> , 74, 295-302	11.7	488
749	NK105, a paclitaxel-incorporating micellar nanoparticle formulation, can extend in vivo antitumour activity and reduce the neurotoxicity of paclitaxel. <i>British Journal of Cancer</i> , <b>2005</b> , 92, 1240-6	8.7	457
748	Quantitative and reversible lectin-induced association of gold nanoparticles modified with alpha-lactosyl-omega-mercapto-poly(ethylene glycol). <i>Journal of the American Chemical Society</i> , <b>2001</b> , 123, 8226-30	16.4	453
747	Novel cisplatin-incorporated polymeric micelles can eradicate solid tumors in mice. <i>Cancer Research</i> , <b>2003</b> , 63, 8977-83	10.1	450
746	Preclinical and clinical studies of anticancer agent-incorporating polymer micelles. <i>Cancer Science</i> , <b>2009</b> , 100, 572-9	6.9	440
745	Novel Polyion Complex Micelles Entrapping Enzyme Molecules in the Core: Preparation of Narrowly-Distributed Micelles from Lysozyme and Poly(ethylene glycol)Poly(aspartic acid) Block Copolymer in Aqueous Medium. <i>Macromolecules</i> , <b>1998</b> , 31, 288-294	5.5	430
744	Lactosylated poly(ethylene glycol)-siRNA conjugate through acid-labile beta-thiopropionate linkage to construct pH-sensitive polyion complex micelles achieving enhanced gene silencing in hepatoma cells. <i>Journal of the American Chemical Society</i> , <b>2005</b> , 127, 1624-5	16.4	427
743	Biodegradable nanogels prepared by atom transfer radical polymerization as potential drug delivery carriers: synthesis, biodegradation, in vitro release, and bioconjugation. <i>Journal of the American Chemical Society</i> , <b>2007</b> , 129, 5939-45	16.4	417
742	Water-soluble polyion complex associates of DNA and poly(ethylene glycol)-poly(L-lysine) block copolymer. <i>Bioconjugate Chemistry</i> , <b>1997</b> , 8, 702-7	6.3	414
741	Nanoparticle delivery of Cas9 ribonucleoprotein and donor DNA induces homology-directed DNA repair. <i>Nature Biomedical Engineering</i> , <b>2017</b> , 1, 889-901	19	404
740	Multifunctional polymeric micelles with folate-mediated cancer cell targeting and pH-triggered drug releasing properties for active intracellular drug delivery. <i>Molecular BioSystems</i> , <b>2005</b> , 1, 242-50		387
739	Rational design of smart supramolecular assemblies for gene delivery: chemical challenges in the creation of artificial viruses. <i>Chemical Society Reviews</i> , <b>2012</b> , 41, 2562-74	58.5	379
738	Long-circulating poly(ethylene glycol)-poly(D,L-lactide) block copolymer micelles with modulated surface charge. <i>Journal of Controlled Release</i> , <b>2001</b> , 77, 27-38	11.7	378
737	PEG-detachable polyplex micelles based on disulfide-linked block cationomers as bioresponsive nonviral gene vectors. <i>Journal of the American Chemical Society</i> , <b>2008</b> , 130, 6001-9	16.4	377
736	Improvement of cancer-targeting therapy, using nanocarriers for intractable solid tumors by inhibition of TGF-beta signaling. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2007</b> , 104, 3460-5	11.5	373
735	Supramolecular assemblies of block copolymers in aqueous media as nanocontainers relevant to biological applications. <i>Progress in Polymer Science</i> , <b>2006</b> , 31, 949-982	29.6	371
734	Micelles based on AB block copolymers of poly(ethylene oxide) and poly(.beta.-benzyl L-aspartate). <i>Langmuir</i> , <b>1993</b> , 9, 945-949	4	370
733	Block cationomer polyplexes with regulated densities of charge and disulfide cross-linking directed to enhance gene expression. <i>Journal of the American Chemical Society</i> , <b>2004</b> , 126, 2355-61	16.4	356

732	Enhanced tumor accumulation and prolonged circulation times of micelle-forming poly (ethylene oxide-aspartate) block copolymer-adriamycin conjugates. <i>Journal of Controlled Release</i> , <b>1994</b> , 29, 17-23	11.7	354
731	Cisplatin-incorporating polymeric micelles (NC-6004) can reduce nephrotoxicity and neurotoxicity of cisplatin in rats. <i>British Journal of Cancer</i> , <b>2005</b> , 93, 678-87	8.7	351
730	A protein nanocarrier from charge-conversion polymer in response to endosomal pH. <i>Journal of the American Chemical Society</i> , <b>2007</b> , 129, 5362-3	16.4	349
729	Cyclic RGD-linked polymeric micelles for targeted delivery of platinum anticancer drugs to glioblastoma through the blood-brain tumor barrier. <i>ACS Nano</i> , <b>2013</b> , 7, 8583-92	16.7	340
728	Polymeric micelles for nano-scale drug delivery. <i>Reactive and Functional Polymers</i> , <b>2011</b> , 71, 227-234	4.6	338
727	Preparation and characterization of the micelle-forming polymeric drug indomethacin-incorporated poly(ethylene oxide)-poly(beta-benzyl L-aspartate) block copolymer micelles. <i>Journal of Pharmaceutical Sciences</i> , <b>1996</b> , 85, 85-90	3.9	319
726	A Phase I clinical study of cisplatin-incorporated polymeric micelles (NC-6004) in patients with solid tumours. <i>British Journal of Cancer</i> , <b>2011</b> , 104, 593-8	8.7	318
725	A pH-activatable nanoparticle with signal-amplification capabilities for non-invasive imaging of tumour malignancy. <i>Nature Nanotechnology</i> , <b>2016</b> , 11, 724-30	28.7	314
724	Light-induced gene transfer from packaged DNA enveloped in a dendrimeric photosensitizer. <i>Nature Materials</i> , <b>2005</b> , 4, 934-41	27	312
723	Environment-Sensitive Stabilization of CoreShell Structured Polyion Complex Micelle by Reversible Cross-Linking of the Core through Disulfide Bond. <i>Journal of the American Chemical Society</i> , <b>1999</b> , 121, 11247-11248	16.4	309
722	Spontaneous Formation of Polyion Complex Micelles with Narrow Distribution from Antisense Oligonucleotide and Cationic Block Copolymer in Physiological Saline. <i>Macromolecules</i> , <b>1996</b> , 29, 8556-8557	5.5	303
721	Thermo-responsive polymer nanoparticles with a core-shell micelle structure as site-specific drug carriers. <i>Journal of Controlled Release</i> , <b>1997</b> , 48, 157-164	11.7	300
720	Glucose-responsive polymer bearing a novel phenylborate derivative as a glucose-sensing moiety operating at physiological pH conditions. <i>Biomacromolecules</i> , <b>2003</b> , 4, 1410-6	6.9	291
719	PEGylated nanoparticles for biological and pharmaceutical applications. <i>Advanced Drug Delivery Reviews</i> , <b>2012</b> , 64, 246-255	18.5	286
718	Polyplexes from poly(aspartamide) bearing 1,2-diaminoethane side chains induce pH-selective, endosomal membrane destabilization with amplified transfection and negligible cytotoxicity. <i>Journal of the American Chemical Society</i> , <b>2008</b> , 130, 16287-94	16.4	286
717	Recent progress in development of siRNA delivery vehicles for cancer therapy. <i>Advanced Drug Delivery Reviews</i> , <b>2016</b> , 104, 61-77	18.5	283
716	Glucose-responsive polymer gel bearing phenylborate derivative as a glucose-sensing moiety operating at the physiological pH. <i>Biomacromolecules</i> , <b>2004</b> , 5, 1038-45	6.9	281
715	Environment-responsive block copolymer micelles with a disulfide cross-linked core for enhanced siRNA delivery. <i>Biomacromolecules</i> , <b>2009</b> , 10, 119-27	6.9	276

714	Block copolymer micelles for drug delivery: loading and release of doxorubicin. <i>Journal of Controlled Release</i> , <b>1997</b> , 48, 195-201	11.7	274
713	Charge-conversional polyionic complex micelles-efficient nanocarriers for protein delivery into cytoplasm. <i>Angewandte Chemie - International Edition</i> , <b>2009</b> , 48, 5309-12	16.4	271
712	3D spheroid culture system on micropatterned substrates for improved differentiation efficiency of multipotent mesenchymal stem cells. <i>Biomaterials</i> , <b>2009</b> , 30, 2705-15	15.6	266
711	Characterization of physical entrapment and chemical conjugation of adriamycin in polymeric micelles and their design for in vivo delivery to a solid tumor. <i>Journal of Controlled Release</i> , <b>1998</b> , 50, 79-92	11.7	266
710	Semipermeable polymer vesicle (PICsome) self-assembled in aqueous medium from a pair of oppositely charged block copolymers: physiologically stable micro-/nanocontainers of water-soluble macromolecules. <i>Journal of the American Chemical Society</i> , <b>2006</b> , 128, 5988-9	16.4	261
709	Preparation of micelle-forming polymer-drug conjugates. <i>Bioconjugate Chemistry</i> , <b>1992</b> , 3, 295-301	6.3	259
708	Anomalous binding profile of phenylboronic acid with N-acetylneuraminic acid (Neu5Ac) in aqueous solution with varying pH. <i>Journal of the American Chemical Society</i> , <b>2003</b> , 125, 3493-502	16.4	256
707	Vascular bursts enhance permeability of tumour blood vessels and improve nanoparticle delivery. <i>Nature Nanotechnology</i> , <b>2016</b> , 11, 533-538	28.7	253
706	Supramolecular nanodevices: from design validation to theranostic nanomedicine. <i>Accounts of Chemical Research</i> , <b>2011</b> , 44, 999-1008	24.3	248
705	In vivo antitumor activity of the folate-conjugated pH-sensitive polymeric micelle selectively releasing adriamycin in the intracellular acidic compartments. <i>Bioconjugate Chemistry</i> , <b>2007</b> , 18, 1131-9	6.3	247
704	Glutathione-sensitive stabilization of block copolymer micelles composed of antisense DNA and thiolated poly(ethylene glycol)-block-poly(L-lysine): a potential carrier for systemic delivery of antisense DNA. <i>Biomacromolecules</i> , <b>2001</b> , 2, 491-7	6.9	245
703	Core-Polymerized Reactive Micelles from Heterotelechelic Amphiphilic Block Copolymers. <i>Macromolecules</i> , <b>1999</b> , 32, 1140-1146	5.5	238
702	Phenylboronic acid-installed polymeric micelles for targeting sialylated epitopes in solid tumors. <i>Journal of the American Chemical Society</i> , <b>2013</b> , 135, 15501-7	16.4	237
701	The Reactive Polymeric Micelle Based on An Aldehyde-Ended Poly(ethylene glycol)/Poly(lactide) Block Copolymer. <i>Macromolecules</i> , <b>1998</b> , 31, 1473-1479	5.5	235
700	Physical entrapment of adriamycin in AB block copolymer micelles. <i>Pharmaceutical Research</i> , <b>1995</b> , 12, 192-5	4.5	230
699	Design and development of dendrimer photosensitizer-incorporated polymeric micelles for enhanced photodynamic therapy. <i>Advanced Drug Delivery Reviews</i> , <b>2009</b> , 61, 327-38	18.5	225
698	Preparation and characterization of polymer micelles from poly(ethylene glycol)-poly(D,L-lactide) block copolymers as potential drug carrier. <i>Journal of Controlled Release</i> , <b>1999</b> , 62, 89-100	11.7	223
697	Accelerating the Translation of Nanomaterials in Biomedicine. <i>ACS Nano</i> , <b>2015</b> , 9, 6644-54	16.7	220

696	Preparation and Characterization of Self-Assembled Polymer-Metal Complex Micelle from cis-Dichlorodiammineplatinum(II) and Poly(ethylene glycol)-Poly(L-aspartic acid) Block Copolymer in an Aqueous Medium. <i>Langmuir</i> , <b>1999</b> , 15, 377-383	4	219
695	Simple and precise preparation of a porous gel for a colorimetric glucose sensor by a templating technique. <i>Angewandte Chemie - International Edition</i> , <b>2003</b> , 42, 4197-200	16.4	217
694	Precise Control of Lower Critical Solution Temperature of Thermosensitive Poly(2-isopropyl-2-oxazoline) via Gradient Copolymerization with 2-Ethyl-2-oxazoline as a Hydrophilic Comonomer. <i>Macromolecules</i> , <b>2006</b> , 39, 6622-6630	5.5	207
693	Polyion complex micelles as vectors in gene therapy--pharmacokinetics and in vivo gene transfer. <i>Gene Therapy</i> , <b>2002</b> , 9, 407-14	4	206
692	Improving drug potency and efficacy by nanocarrier-mediated subcellular targeting. <i>Science Translational Medicine</i> , <b>2011</b> , 3, 64ra2	17.5	204
691	Polyion complex micelles from plasmid DNA and poly(ethylene glycol)-poly(L-lysine) block copolymer as serum-tolerable polyplex system: physicochemical properties of micelles relevant to gene transfection efficiency. <i>Biomaterials</i> , <b>2003</b> , 24, 4495-506	15.6	203
690	Targeting the Notch-regulated non-coding RNA TUG1 for glioma treatment. <i>Nature Communications</i> , <b>2016</b> , 7, 13616	17.4	201
689	A synthetic approach toward a self-regulated insulin delivery system. <i>Angewandte Chemie - International Edition</i> , <b>2012</b> , 51, 2124-8	16.4	198
688	Remarkable increase in nuclease resistance of plasmid DNA through supramolecular assembly with poly(ethylene glycol)-poly(L-lysine) block copolymer. <i>Journal of Pharmaceutical Sciences</i> , <b>1998</b> , 87, 160-3	3.9	196
687	Charge-conversion ternary polyplex with endosome disruption moiety: a technique for efficient and safe gene delivery. <i>Angewandte Chemie - International Edition</i> , <b>2008</b> , 47, 5163-6	16.4	196
686	Encapsulation of myoglobin in PEGylated polyion complex vesicles made from a pair of oppositely charged block ionomers: a physiologically available oxygen carrier. <i>Angewandte Chemie - International Edition</i> , <b>2007</b> , 46, 6085-8	16.4	193
685	PEGylated polyplex micelles from triblock cationomers with spatially ordered layering of condensed pDNA and buffering units for enhanced intracellular gene delivery. <i>Journal of the American Chemical Society</i> , <b>2005</b> , 127, 2810-1	16.4	192
684	Spontaneous formation of nanosized unilamellar polyion complex vesicles with tunable size and properties. <i>Journal of the American Chemical Society</i> , <b>2010</b> , 132, 1631-6	16.4	189
683	Introduction of cisplatin into polymeric micelle. <i>Journal of Controlled Release</i> , <b>1996</b> , 39, 351-356	11.7	189
682	Self-assembly of poly(ethylene glycol)-based block copolymers for biomedical applications. <i>Current Opinion in Colloid and Interface Science</i> , <b>2001</b> , 6, 3-10	7.6	186
681	Effect of hydrophilic and hydrophobic microdomains on mode of interaction between block polymer and blood platelets. <i>Journal of Biomedical Materials Research Part B</i> , <b>1981</b> , 15, 393-402		185
680	Preparation of functionally Pegylated gold nanoparticles with narrow distribution through autoreduction of auric cation by alpha-biotinyl-PEG-block-[poly(2-(N,N-dimethylamino)ethyl methacrylate)]. <i>Langmuir</i> , <b>2004</b> , 20, 561-4	4	183
679	Selective delivery of adriamycin to a solid tumor using a polymeric micelle carrier system. <i>Journal of Drug Targeting</i> , <b>1999</b> , 7, 171-86	5.4	183

678	In situ single cell observation by fluorescence resonance energy transfer reveals fast intra-cytoplasmic delivery and easy release of plasmid DNA complexed with linear polyethylenimine. <i>Journal of Gene Medicine</i> , <b>2004</b> , 6, 76-84	3.5	181
677	A novel drug delivery system utilizing a glucose responsive polymer complex between poly (vinyl alcohol) and poly (N-vinyl-2-pyrrolidone) with a phenylboronic acid moiety. <i>Journal of Controlled Release</i> , <b>1992</b> , 19, 161-170	11.7	181
676	Nanotechnology-based photodynamic therapy for neovascular disease using a supramolecular nanocarrier loaded with a dendritic photosensitizer. <i>Nano Letters</i> , <b>2005</b> , 5, 2426-31	11.5	177
675	Nanostructured Devices Based on Block Copolymer Assemblies for Drug Delivery: Designing Structures for Enhanced Drug Function		177
674	Sensitive Glucose-Induced Change of the Lower Critical Solution Temperature of Poly[N,N-(dimethylacrylamide)-co-3-(acrylamido)-phenylboronic acid] in Physiological Saline. <i>Macromolecules</i> , <b>1994</b> , 27, 1061-1062	5.5	177
673	Odd-even effect of repeating aminoethylene units in the side chain of N-substituted polyaspartamides on gene transfection profiles. <i>Journal of the American Chemical Society</i> , <b>2011</b> , 133, 15524-32	16.4	175
672	Preparation and biological properties of dichloro(1,2-diaminocyclohexane)platinum(II) (DACHPt)-loaded polymeric micelles. <i>Journal of Controlled Release</i> , <b>2005</b> , 101, 223-32	11.7	175
671	Biodegradable polyamino acid-based polycations as safe and effective gene carrier minimizing cumulative toxicity. <i>Biomaterials</i> , <b>2010</b> , 31, 3707-14	15.6	174
670	A phenylboronate-functionalized polyion complex micelle for ATP-triggered release of siRNA. <i>Angewandte Chemie - International Edition</i> , <b>2012</b> , 51, 10751-5	16.4	173
669	Comprehensive and Accurate Control of Thermosensitivity of Poly(2-alkyl-2-oxazoline)s via Well-Defined Gradient or Random Copolymerization. <i>Macromolecules</i> , <b>2007</b> , 40, 3599-3609	5.5	172
668	A PEG-based biocompatible block cationic polymer with high buffering capacity for the construction of polyplex micelles showing efficient gene transfer toward primary cells. <i>ChemMedChem</i> , <b>2006</b> , 1, 439-44	3.7	172
667	Sugar-Installed Polymer Micelles: Synthesis and Micellization of Poly(ethylene glycol)-Poly(D,L-lactide) Block Copolymers Having Sugar Groups at the PEG Chain End. <i>Macromolecules</i> , <b>1999</b> , 32, 8024-8032	5.5	170
666	Noninvasive sialic acid detection at cell membrane by using phenylboronic acid modified self-assembled monolayer gold electrode. <i>Journal of the American Chemical Society</i> , <b>2009</b> , 131, 12022-3	16.4	168
665	Targeted polymeric micelles for siRNA treatment of experimental cancer by intravenous injection. <i>ACS Nano</i> , <b>2012</b> , 6, 5174-89	16.7	167
664	Incorporation of water-insoluble anticancer drug into polymeric micelles and control of their particle size. <i>Journal of Controlled Release</i> , <b>1998</b> , 55, 219-29	11.7	167
663	Polymeric micelles from poly(ethylene glycol)-poly(amino acid) block copolymer for drug and gene delivery. <i>Journal of the Royal Society Interface</i> , <b>2009</b> , 6 Suppl 3, S325-39	4.1	164
662	Cyclic RGD peptide-conjugated polyplex micelles as a targetable gene delivery system directed to cells possessing alpha5beta1 and alpha5beta3 integrins. <i>Bioconjugate Chemistry</i> , <b>2007</b> , 18, 1415-23	6.3	164
661	Design of Environment-Sensitive Supramolecular Assemblies for Intracellular Drug Delivery: Polymeric Micelles that are Responsive to Intracellular pH Change. <i>Angewandte Chemie</i> , <b>2003</b> , 115, 4788-4791	3.6	164

660	Sugar-installed block copolymer micelles: their preparation and specific interaction with lectin molecules. <i>Biomacromolecules</i> , <b>2001</b> , 2, 1067-70	6.9	163
659	Biomolecular robotics for chemomechanically driven guest delivery fuelled by intracellular ATP. <i>Nature Chemistry</i> , <b>2013</b> , 5, 613-20	17.6	160
658	Efficient delivery of bioactive antibodies into the cytoplasm of living cells by charge-conversional polyion complex micelles. <i>Angewandte Chemie - International Edition</i> , <b>2010</b> , 49, 2552-5	16.4	160
657	Octaarginine-modified multifunctional envelope-type nanoparticles for gene delivery. <i>Gene Therapy</i> , <b>2007</b> , 14, 682-9	4	159
656	Microcalorimetric Study of the Temperature-Induced Phase Separation in Aqueous Solutions of Poly(2-isopropyl-2-oxazolines). <i>Macromolecules</i> , <b>2004</b> , 37, 2556-2562	5.5	158
655	Amine containing phenylboronic acid gel for glucose-responsive insulin release under physiological pH. <i>Journal of Controlled Release</i> , <b>1995</b> , 37, 269-276	11.7	156
654	Three-layered polyplex micelle as a multifunctional nanocarrier platform for light-induced systemic gene transfer. <i>Nature Communications</i> , <b>2014</b> , 5, 3545	17.4	155
653	A reactive poly(ethylene glycol) layer to achieve specific surface plasmon resonance sensing with a high S/N ratio: the substantial role of a short underbrushed PEG layer in minimizing nonspecific adsorption. <i>Analytical Chemistry</i> , <b>2005</b> , 77, 1075-80	7.8	154
652	Polyion complex vesicles for photoinduced intracellular delivery of amphiphilic photosensitizer. <i>Journal of the American Chemical Society</i> , <b>2014</b> , 136, 157-63	16.4	153
651	Cisplatin-loaded polymer-metal complex micelle with time-modulated decaying property as a novel drug delivery system. <i>Pharmaceutical Research</i> , <b>2001</b> , 18, 1035-41	4.5	152
650	Block copolymer-coated calcium phosphate nanoparticles sensing intracellular environment for oligodeoxynucleotide and siRNA delivery. <i>Journal of Controlled Release</i> , <b>2004</b> , 97, 345-56	11.7	150
649	Surface characterization of functionalized polylactide through the coating with heterobifunctional poly(ethylene glycol)/polylactide block copolymers. <i>Biomacromolecules</i> , <b>2000</b> , 1, 39-48	6.9	150
648	Polyion complex micelles entrapping cationic dendrimer porphyrin: effective photosensitizer for photodynamic therapy of cancer. <i>Journal of Controlled Release</i> , <b>2003</b> , 93, 141-50	11.7	149
647	Assessment of tumor metastasis by the direct determination of cell-membrane sialic acid expression. <i>Angewandte Chemie - International Edition</i> , <b>2010</b> , 49, 5494-7	16.4	147
646	Biodistribution of micelle-forming polymer-drug conjugates. <i>Pharmaceutical Research</i> , <b>1993</b> , 10, 970-4	4.5	147
645	Light-harvesting ionic dendrimer porphyrins as new photosensitizers for photodynamic therapy. <i>Bioconjugate Chemistry</i> , <b>2003</b> , 14, 58-66	6.3	146
644	Glucose-sensing electrode coated with polymer complex gel containing phenylboronic Acid. <i>Analytical Chemistry</i> , <b>1996</b> , 68, 823-8	7.8	146
643	Nanomedicines for Reactive Oxygen Species Mediated Approach: An Emerging Paradigm for Cancer Treatment. <i>Accounts of Chemical Research</i> , <b>2019</b> , 52, 1771-1782	24.3	145



642	Swelling and Shrinking Kinetics of Totally Synthetic, Glucose-Responsive Polymer Gel Bearing Phenylborate Derivative as a Glucose-Sensing Moiety. <i>Macromolecules</i> , <b>2004</b> , 37, 1502-1510	5.5	145
641	Monodispersed polymeric nanocapsules: spontaneous evolution and morphology transition from reducible hetero-PEG PICmicelles by controlled degradation. <i>Journal of the American Chemical Society</i> , <b>2009</b> , 131, 3804-5	16.4	144
640	Optimization of (1,2-diamino-cyclohexane)platinum(II)-loaded polymeric micelles directed to improved tumor targeting and enhanced antitumor activity. <i>Journal of Controlled Release</i> , <b>2007</b> , 121, 146-55	11.7	144
639	Versatile Synthesis of End-Functionalized Thermosensitive Poly(2-isopropyl-2-oxazolines). <i>Macromolecules</i> , <b>2004</b> , 37, 6786-6792	5.5	144
638	Enhanced endosomal escape of siRNA-incorporating hybrid nanoparticles from calcium phosphate and PEG-block charge-conversional polymer for efficient gene knockdown with negligible cytotoxicity. <i>Biomaterials</i> , <b>2011</b> , 32, 3106-14	15.6	143
637	Polymeric micelles for drug delivery: solubilization and haemolytic activity of amphotericin B. <i>Journal of Controlled Release</i> , <b>1998</b> , 53, 131-6	11.7	140
636	Therapeutic Polymersome Nanoreactors with Tumor-Specific Activable Cascade Reactions for Cooperative Cancer Therapy. <i>ACS Nano</i> , <b>2019</b> , 13, 2357-2369	16.7	137
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