

Kazunori Kataoka

List of Publications by Year in descending order

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789
papers

77,648
citations

279

140
h-index

849

244
g-index

833
all docs

833
docs citations

833
times ranked

43758
citing authors

#	ARTICLE	IF	CITATIONS
1	Block copolymer micelles for drug delivery: design, characterization and biological significance. <i>Advanced Drug Delivery Reviews</i> , 2001, 47, 113-131.	6.6	3,107
2	Accumulation of sub-100Ånm polymeric micelles in poorly permeable tumours depends on size. <i>Nature Nanotechnology</i> , 2011, 6, 815-823.	15.6	2,114
3	PEGylated nanoparticles for biological and pharmaceutical applications. <i>Advanced Drug Delivery Reviews</i> , 2003, 55, 403-419.	6.6	1,313
4	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> , 2003, 42, 4640-4643.	7.2	1,230
5	Diverse Applications of Nanomedicine. <i>ACS Nano</i> , 2017, 11, 2313-2381.	7.3	976
6	Current state, achievements, and future prospects of polymeric micelles as nanocarriers for drug and gene delivery. , 2006, 112, 630-648.		950
7	Block Copolymer Micelles in Nanomedicine Applications. <i>Chemical Reviews</i> , 2018, 118, 6844-6892.	23.0	925
8	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> , 1995, 28, 5294-5299.	2.2	798
9	Block copolymer micelles as long-circulating drug vehicles. <i>Advanced Drug Delivery Reviews</i> , 1995, 16, 295-309.	6.6	725
10	Block copolymer micelles for delivery of gene and related compounds. <i>Advanced Drug Delivery Reviews</i> , 2002, 54, 203-222.	6.6	724
11	Progress of drug-loaded polymeric micelles into clinical studies. <i>Journal of Controlled Release</i> , 2014, 190, 465-476.	4.8	708
12	Preparation and Biological Characterization of Polymeric Micelle Drug Carriers with Intracellular pH-Triggered Drug Release Property:â€‰ Tumor Permeability, Controlled Subcellular Drug Distribution, and Enhanced in Vivo Antitumor Efficacy. <i>Bioconjugate Chemistry</i> , 2005, 16, 122-130.	1.8	682
13	Intelligent polymeric micelles from functional poly(ethylene glycol)-poly(amino acid) block copolymers. <i>Advanced Drug Delivery Reviews</i> , 2009, 61, 768-784.	6.6	600
14	Block copolymer micelles for drug delivery: Design, characterization and biological significance. <i>Advanced Drug Delivery Reviews</i> , 2012, 64, 37-48.	6.6	584
15	Doxorubicin-loaded poly(ethylene glycol)-poly(β -benzyl-L-aspartate) copolymer micelles: their pharmaceutical characteristics and biological significance. <i>Journal of Controlled Release</i> , 2000, 64, 143-153.	4.8	577
16	Chain Length Recognition: Core-Shell Supramolecular Assembly from Oppositely Charged Block Copolymers. <i>Science</i> , 1999, 283, 65-67.	6.0	574
17	Totally Synthetic Polymer Gels Responding to External Glucose Concentration:â€‰ Their Preparation and Application to Onâ€‰Off Regulation of Insulin Release. <i>Journal of the American Chemical Society</i> , 1998, 120, 12694-12695.	6.6	567
18	Nanoparticle delivery of Cas9 ribonucleoprotein and donor DNA in vivo induces homology-directed DNA repair. <i>Nature Biomedical Engineering</i> , 2017, 1, 889-901.	11.6	566

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19	Development of the polymer micelle carrier system for doxorubicin. <i>Journal of Controlled Release</i> , 2001, 74, 295-302.	4.8	530
20	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> , 2005, 92, 1240-1246.	2.9	507
21	Quantitative and Reversible Lectin-Induced Association of Gold Nanoparticles Modified with β -Lactosyl-L-mercaptopoly(ethylene glycol). <i>Journal of the American Chemical Society</i> , 2001, 123, 8226-8230.	6.6	487
22	Novel cisplatin-incorporated polymeric micelles can eradicate solid tumors in mice. <i>Cancer Research</i> , 2003, 63, 8977-83.	0.4	486
23	Preclinical and clinical studies of anticancer agent-incorporating polymer micelles. <i>Cancer Science</i> , 2009, 100, 572-579.	1.7	474
24	Water-Soluble Polyion Complex Associates of DNA and Poly(ethylene glycol)-Poly(L-lysine) Block Copolymer. <i>Bioconjugate Chemistry</i> , 1997, 8, 702-707.	1.8	461
25	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> , 1998, 31, 288-294.	2.2	459
26	Lactosylated Poly(ethylene glycol)-siRNA Conjugate through Acid-Labile β -Thiopropionate Linkage to Construct pH-Sensitive Polyion Complex Micelles Achieving Enhanced Gene Silencing in Hepatoma Cells. <i>Journal of the American Chemical Society</i> , 2005, 127, 1624-1625.	6.6	456
27	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> , 2007, 129, 5939-5945.	6.6	449
28	Rational design of smart supramolecular assemblies for gene delivery: chemical challenges in the creation of artificial viruses. <i>Chemical Society Reviews</i> , 2012, 41, 2562-2574.	18.7	436
29	Multifunctional polymeric micelles with folate-mediated cancer cell targeting and pH-triggered drug releasing properties for active intracellular drug delivery. <i>Molecular BioSystems</i> , 2005, 1, 242.	2.9	419
30	A pH-activatable nanoparticle with signal-amplification capabilities for non-invasive imaging of tumour malignancy. <i>Nature Nanotechnology</i> , 2016, 11, 724-730.	15.6	411
31	Long-circulating poly(ethylene glycol)-poly(D,L-lactide) block copolymer micelles with modulated surface charge. <i>Journal of Controlled Release</i> , 2001, 77, 27-38.	4.8	408
32	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> , 2007, 104, 3460-3465.	3.3	404
33	Polymeric micelles for nano-scale drug delivery. <i>Reactive and Functional Polymers</i> , 2011, 71, 227-234.	2.0	402
34	Micelles based on AB block copolymers of poly(ethylene oxide) and poly(L-benzyl L-aspartate). <i>Langmuir</i> , 1993, 9, 945-949.	1.6	397
35	Cisplatin-incorporating polymeric micelles (NC-6004) can reduce nephrotoxicity and neurotoxicity of cisplatin in rats. <i>British Journal of Cancer</i> , 2005, 93, 678-687.	2.9	397
36	Cyclic RGD-Linked Polymeric Micelles for Targeted Delivery of Platinum Anticancer Drugs to Glioblastoma through the Blood-Brain Tumor Barrier. <i>ACS Nano</i> , 2013, 7, 8583-8592.	7.3	397

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37	Highly cited research articles in Journal of Controlled Release: Commentaries and perspectives by authors. Journal of Controlled Release, 2014, 190, 29-74.	4.8	394
38	Supramolecular assemblies of block copolymers in aqueous media as nanocontainers relevant to biological applications. Progress in Polymer Science, 2006, 31, 949-982.	11.8	389
39	PEG-Detachable Polyplex Micelles Based on Disulfide-Linked Block Cationomers as Bioresponsive Nonviral Gene Vectors. Journal of the American Chemical Society, 2008, 130, 6001-6009.	6.6	387
40	Block Cationomer Polyplexes with Regulated Densities of Charge and Disulfide Cross-Linking Directed To Enhance Gene Expression. Journal of the American Chemical Society, 2004, 126, 2355-2361.	6.6	383
41	Enhanced tumor accumulation and prolonged circulation times of micelle-forming poly (ethylene) Tj ETQq1 1 0.784314 rgBT JOverlod	4.8	382
42	A Protein Nanocarrier from Charge-Conversion Polymer in Response to Endosomal pH. Journal of the American Chemical Society, 2007, 129, 5362-5363.	6.6	381
43	Preparation and Characterization of the Micelle-Forming Polymeric Drug Indomethacin-Incorporated Sciences, 1996, 85, 85-90.	1.6	352
44	A Phase I clinical study of cisplatin-incorporated polymeric micelles (NC-6004) in patients with solid tumours. British Journal of Cancer, 2011, 104, 593-598.	2.9	352
45	Recent progress in development of siRNA delivery vehicles for cancer therapy. Advanced Drug Delivery Reviews, 2016, 104, 61-77.	6.6	346
46	Vascular bursts enhance permeability of tumour blood vessels and improve nanoparticle delivery. Nature Nanotechnology, 2016, 11, 533-538.	15.6	338
47	Spontaneous Formation of Polyion Complex Micelles with Narrow Distribution from Antisense Oligonucleotide and Cationic Block Copolymer in Physiological Saline. Macromolecules, 1996, 29, 8556-8557.	2.2	336
48	Thermo-responsive polymer nanoparticles with a core-shell micelle structure as site-specific drug carriers. Journal of Controlled Release, 1997, 48, 157-164.	4.8	331
49	Light-induced gene transfer from packaged DNA enveloped in a dendrimeric photosensitizer. Nature Materials, 2005, 4, 934-941.	13.3	330
50	Polyplexes from Poly(aspartamide) Bearing 1,2-Diaminoethane Side Chains Induce pH-Selective, Endosomal Membrane Destabilization with Amplified Transfection and Negligible Cytotoxicity. Journal of the American Chemical Society, 2008, 130, 16287-16294.	6.6	328
51	Glucose-Responsive Polymer Bearing a Novel Phenylborate Derivative as a Glucose-Sensing Moiety Operating at Physiological pH Conditions. Biomacromolecules, 2003, 4, 1410-1416.	2.6	327
52	Environment-Sensitive Stabilization of Core-Shell Structured Polyion Complex Micelle by Reversible Cross-Linking of the Core through Disulfide Bond. Journal of the American Chemical Society, 1999, 121, 11247-11248.	6.6	325
53	Glucose-Responsive Polymer Gel Bearing Phenylborate Derivative as a Glucose-Sensing Moiety Operating at the Physiological pH. Biomacromolecules, 2004, 5, 1038-1045.	2.6	318
54	Charge-Conversional Polyionic Complex Micelles Efficient Nanocarriers for Protein Delivery into Cytoplasm. Angewandte Chemie - International Edition, 2009, 48, 5309-5312.	7.2	311

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55	PEGylated nanoparticles for biological and pharmaceutical applications. <i>Advanced Drug Delivery Reviews</i> , 2012, 64, 246-255.	6.6	309
56	Nanomaterial-based blood-brain-barrier (BBB) crossing strategies. <i>Biomaterials</i> , 2019, 224, 119491.	5.7	306
57	Block copolymer micelles for drug delivery: loading and release of doxorubicin. <i>Journal of Controlled Release</i> , 1997, 48, 195-201.	4.8	302
58	3D spheroid culture system on micropatterned substrates for improved differentiation efficiency of multipotent mesenchymal stem cells. <i>Biomaterials</i> , 2009, 30, 2705-2715.	5.7	301
59	Environment-Responsive Block Copolymer Micelles with a Disulfide Cross-Linked Core for Enhanced siRNA Delivery. <i>Biomacromolecules</i> , 2009, 10, 119-127.	2.6	301
60	Semipermeable Polymer Vesicle (PICsome) Self-Assembled in Aqueous Medium from a Pair of Oppositely Charged Block Copolymers: A Physiologically Stable Micro-/Nanocontainers of Water-Soluble Macromolecules. <i>Journal of the American Chemical Society</i> , 2006, 128, 5988-5989.	6.6	297
61	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> , 2003, 125, 3493-3502.	6.6	294
62	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> , 1998, 50, 79-92.	4.8	292
63	Phenylboronic Acid-Installed Polymeric Micelles for Targeting Sialylated Epitopes in Solid Tumors. <i>Journal of the American Chemical Society</i> , 2013, 135, 15501-15507.	6.6	286
64	Preparation of micelle-forming polymer-drug conjugates. <i>Bioconjugate Chemistry</i> , 1992, 3, 295-301.	1.8	282
65	Accelerating the Translation of Nanomaterials in Biomedicine. <i>ACS Nano</i> , 2015, 9, 6644-6654.	7.3	279
66	Supramolecular Nanodevices: From Design Validation to Theranostic Nanomedicine. <i>Accounts of Chemical Research</i> , 2011, 44, 999-1008.	7.6	278
67	Targeting the Notch-regulated non-coding RNA TUG1 for glioma treatment. <i>Nature Communications</i> , 2016, 7, 13616.	5.8	267
68	In Vivo Antitumor Activity of the Folate-Conjugated pH-Sensitive Polymeric Micelle Selectively Releasing Adriamycin in the Intracellular Acidic Compartments. <i>Bioconjugate Chemistry</i> , 2007, 18, 1131-1139.	1.8	260
69	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> , 2001, 2, 491-497.	2.6	259
70	Physical entrapment of adriamycin in AB block copolymer micelles. <i>Pharmaceutical Research</i> , 1995, 12, 192-195.	1.7	256
71	Core-Polymerized Reactive Micelles from Heterotelechelic Amphiphilic Block Copolymers. <i>Macromolecules</i> , 1999, 32, 1140-1146.	2.2	255
72	Polyion complex micelles as vectors in gene therapy – pharmacokinetics and in vivo gene transfer. <i>Gene Therapy</i> , 2002, 9, 407-414.	2.3	252

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73	Design and development of dendrimer photosensitizer-incorporated polymeric micelles for enhanced photodynamic therapy. <i>Advanced Drug Delivery Reviews</i> , 2009, 61, 327-338.	6.6	250
74	Nanomedicines for Reactive Oxygen Species Mediated Approach: An Emerging Paradigm for Cancer Treatment. <i>Accounts of Chemical Research</i> , 2019, 52, 1771-1782.	7.6	248
75	The Reactive Polymeric Micelle Based on An Aldehyde-Ended Poly(ethylene glycol)/Poly(lactide) Block Copolymer. <i>Macromolecules</i> , 1998, 31, 1473-1479.	2.2	247
76	Preparation and Characterization of Self-Assembled Polymer-Metal Complex Micelle from cis-Dichlorodiammineplatinum(II) and Poly(ethylene glycol)-Poly(L,L ² -aspartic acid) Block Copolymer in an Aqueous Medium. <i>Langmuir</i> , 1999, 15, 377-383.	1.6	244
77	A Synthetic Approach Toward a Self-Regulated Insulin Delivery System. <i>Angewandte Chemie - International Edition</i> , 2012, 51, 2124-2128.	7.2	238
78	Simple and Precise Preparation of a Porous Gel for a Colorimetric Glucose Sensor by a Templating Technique. <i>Angewandte Chemie - International Edition</i> , 2003, 42, 4197-4200.	7.2	237
79	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> , 1999, 62, 89-100.	4.8	235
80	Improving Drug Potency and Efficacy by Nanocarrier-Mediated Subcellular Targeting. <i>Science Translational Medicine</i> , 2011, 3, 64ra2.	5.8	231
81	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> , 1998, 87, 160-163.	1.6	225
82	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> , 2003, 24, 4495-4506.	5.7	220
83	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> , 2006, 39, 6622-6630.	2.2	220
84	Spontaneous Formation of Nanosized Unilamellar Polyion Complex Vesicles with Tunable Size and Properties. <i>Journal of the American Chemical Society</i> , 2010, 132, 1631-1636.	6.6	219
85	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> , 2007, 46, 6085-6088.	7.2	211
86	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> , 1981, 15, 393-402.	3.0	210
87	Self-assembly of poly(ethylene glycol)-based block copolymers for biomedical applications. <i>Current Opinion in Colloid and Interface Science</i> , 2001, 6, 3-10.	3.4	210
88	Charge-Conversion Ternary Polyplex with Endosome Disruption Moiety: A Technique for Efficient and Safe Gene Delivery. <i>Angewandte Chemie - International Edition</i> , 2008, 47, 5163-5166.	7.2	206
89	Introduction of cisplatin into polymeric micelle. <i>Journal of Controlled Release</i> , 1996, 39, 351-356.	4.8	205
90	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> , 2005, 127, 2810-2811.	6.6	204

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91	A novel drug delivery system utilizing a glucose responsive polymer complex between poly (vinyl) Tj ETQq1 1 0.784314 rgBT /Overlock 1 Release, 1992, 19, 161-170.	4.8	203
92	Selective Delivery of Adiramycin to a Solid Tumor Using a Polymeric Micelle Carrier System. Journal of Drug Targeting, 1999, 7, 171-186.	2.1	203
93	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. Journal of Gene Medicine, 2004, 6, 76-84.	1.4	200
94	A Phenylboronateâ€Functionalized Polyion Complex Micelle for ATPâ€Triggered Release of siRNA. Angewandte Chemie - International Edition, 2012, 51, 10751-10755.	7.2	200
95	Oddâ€Even Effect of Repeating Aminoethylene Units in the Side Chain of N-Substituted Polyaspartamides on Gene Transfection Profiles. Journal of the American Chemical Society, 2011, 133, 15524-15532.	6.6	199
96	Biomolecular robotics for chemomechanically driven guest delivery fuelled by intracellular ATP. Nature Chemistry, 2013, 5, 613-620.	6.6	195
97	Preparation of Functionally PEGylated Gold Nanoparticles with Narrow Distribution through Autoreduction of Auric Cation by Î±-Biotinyl-PEG-block-[poly(2-(N,N-dimethylamino)ethyl methacrylate)]. Langmuir, 2004, 20, 561-564.	1.6	194
98	Nanotechnology-Based Photodynamic Therapy for Neovascular Disease Using a Supramolecular Nanocarrier Loaded with a Dendritic Photosensitizer. Nano Letters, 2005, 5, 2426-2431.	4.5	194
99	Nanostructured Devices Based on Block Copolymer Assemblies for Drug Delivery: Designing Structures for Enhanced Drug Function. , 0, , 67-101.		193
100	A PEG-Based Biocompatible Block Cationomer with High Buffering Capacity for the Construction of Polyplex Micelles Showing Efficient Gene Transfer toward Primary Cells. ChemMedChem, 2006, 1, 439-444.	1.6	193
101	Sensitive Glucose-Induced Change of the Lower Critical Solution Temperature of Poly[N,N-(dimethylacrylamide)-co-3-(acrylamido)-phenylboronic acid] in Physiological Saline. Macromolecules, 1994, 27, 1061-1062.	2.2	192
102	Glycaemic control boosts glucosylated nanocarrier crossing the BBB into the brain. Nature Communications, 2017, 8, 1001.	5.8	191
103	Noninvasive Sialic Acid Detection at Cell Membrane by Using Phenylboronic Acid Modified Self-Assembled Monolayer Gold Electrode. Journal of the American Chemical Society, 2009, 131, 12022-12023.	6.6	189
104	Biodegradable polyamino acid-based polycations as safe and effective gene carrier minimizing cumulative toxicity. Biomaterials, 2010, 31, 3707-3714.	5.7	189
105	Ligandâ€Installed Nanocarriers toward Precision Therapy. Advanced Materials, 2020, 32, e1902604.	11.1	189
106	Preparation and biological properties of dichloro(1,2-diaminocyclohexane)platinum(II) (DACHPt)-loaded polymeric micelles. Journal of Controlled Release, 2005, 101, 223-232.	4.8	187
107	Comprehensive and Accurate Control of Thermosensitivity of Poly(2-alkyl-2-oxazoline)s via Well-Defined Gradient or Random Copolymerization. Macromolecules, 2007, 40, 3599-3609.	2.2	187
108	Incorporation of water-insoluble anticancer drug into polymeric micelles and control of their particle size. Journal of Controlled Release, 1998, 55, 219-229.	4.8	186

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109	Targeted Polymeric Micelles for siRNA Treatment of Experimental Cancer by Intravenous Injection. <i>ACS Nano</i> , 2012, 6, 5174-5189.	7.3	186
110	Sugar-Installed Polymer Micelles: Synthesis and Micellization of Poly(ethylene Terephthalate) Glycol-Block Copolymer. <i>Macromolecules</i> , 1999, 32, 8024-8032.	2.2	183
111	Efficient Delivery of Bioactive Antibodies into the Cytoplasm of Living Cells by Charge-Reversible Polyion Complex Micelles. <i>Angewandte Chemie - International Edition</i> , 2010, 49, 2552-2555.	7.2	182
112	Polymeric micelles from poly(ethylene glycol)-poly(amino acid) block copolymer for drug and gene delivery. <i>Journal of the Royal Society Interface</i> , 2009, 6, S325-39.	1.5	181
113	Assessment of Tumor Metastasis by the Direct Determination of Cell Membrane Sialic Acid Expression. <i>Angewandte Chemie - International Edition</i> , 2010, 49, 5494-5497.	7.2	181
114	Cyclic RGD Peptide-Conjugated Polyplex Micelles as a Targetable Gene Delivery System Directed to Cells Possessing $\alpha_5\beta_1$ and $\alpha_v\beta_3$ Integrins. <i>Bioconjugate Chemistry</i> , 2007, 18, 1415-1423.	1.8	180
115	Sugar-Installed Block Copolymer Micelles: Their Preparation and Specific Interaction with Lectin Molecules. <i>Biomacromolecules</i> , 2001, 2, 1067-1070.	2.6	176
116	Octaarginine-modified multifunctional envelope-type nanoparticles for gene delivery. <i>Gene Therapy</i> , 2007, 14, 682-689.	2.3	176
117	Therapeutic Vesicular Nanoreactors with Tumor-Specific Activation and Self-Destruction for Synergistic Tumor Ablation. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 14025-14030.	7.2	175
118	Therapeutic Polymersome Nanoreactors with Tumor-Specific Activable Cascade Reactions for Cooperative Cancer Therapy. <i>ACS Nano</i> , 2019, 13, 2357-2369.	7.3	174
119	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> , 2005, 77, 1075-1080.	3.2	172
120	Amine containing phenylboronic acid gel for glucose-responsive insulin release under physiological pH. <i>Journal of Controlled Release</i> , 1995, 37, 269-276.	4.8	171
121	Cisplatin-loaded polymer-metal complex micelle with time-modulated decaying property as a novel drug delivery system. <i>Pharmaceutical Research</i> , 2001, 18, 1035-1041.	1.7	171
122	Polyion Complex Vesicles for Photoinduced Intracellular Delivery of Amphiphilic Photosensitizer. <i>Journal of the American Chemical Society</i> , 2014, 136, 157-163.	6.6	171
123	Light-Harvesting Ionic Dendrimer Porphyrins as New Photosensitizers for Photodynamic Therapy. <i>Bioconjugate Chemistry</i> , 2003, 14, 58-66.	1.8	170
124	Microcalorimetric Study of the Temperature-Induced Phase Separation in Aqueous Solutions of Poly(2-isopropyl-2-oxazolines). <i>Macromolecules</i> , 2004, 37, 2556-2562.	2.2	169
125	Three-layered polyplex micelle as a multifunctional nanocarrier platform for light-induced systemic gene transfer. <i>Nature Communications</i> , 2014, 5, 3545.	5.8	167
126	Biodistribution of micelle-forming polymer-drug conjugates. <i>Pharmaceutical Research</i> , 1993, 10, 970-974.	1.7	166

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127	Polyion complex micelles entrapping cationic dendrimer porphyrin: effective photosensitizer for photodynamic therapy of cancer. <i>Journal of Controlled Release</i> , 2003, 93, 141-150.	4.8	166
128	Surface Characterization of Functionalized Polylactide through the Coating with Heterobifunctional Poly(ethylene glycol)/Polylactide Block Copolymers. <i>Biomacromolecules</i> , 2000, 1, 39-48.	2.6	163
129	Block copolymer-coated calcium phosphate nanoparticles sensing intracellular environment for oligodeoxynucleotide and siRNA delivery. <i>Journal of Controlled Release</i> , 2004, 97, 345-356.	4.8	160
130	Swelling and Shrinking Kinetics of Totally Synthetic, Glucose-Responsive Polymer Gel Bearing Phenylborate Derivative as a Glucose-Sensing Moiety. <i>Macromolecules</i> , 2004, 37, 1502-1510.	2.2	160
131	Glucose-Sensing Electrode Coated with Polymer Complex Gel Containing Phenylboronic Acid. <i>Analytical Chemistry</i> , 1996, 68, 823-828.	3.2	159
132	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> , 2011, 32, 3106-3114.	5.7	157
133	Versatile Synthesis of End-Functionalized Thermosensitive Poly(2-isopropyl-2-oxazolines). <i>Macromolecules</i> , 2004, 37, 6786-6792.	2.2	156
134	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> , 2007, 121, 146-155.	4.8	153
135	Monodispersed Polymeric Nanocapsules: Spontaneous Evolution and Morphology Transition from Reducible Hetero-PEG PICmicelles by Controlled Degradation. <i>Journal of the American Chemical Society</i> , 2009, 131, 3804-3805.	6.6	151
136	Polymeric micelles for drug delivery: solubilization and haemolytic activity of amphotericin B. <i>Journal of Controlled Release</i> , 1998, 53, 131-136.	4.8	149
137	Development of polymeric micelles for targeting intractable cancers. <i>Cancer Science</i> , 2016, 107, 867-874.	1.7	149
138	Systemically Injectable Enzyme-Loaded Polyion Complex Vesicles as In Vivo Nanoreactors Functioning in Tumors. <i>Angewandte Chemie - International Edition</i> , 2016, 55, 560-565.	7.2	149
139	Improved synthesis of adriamycin-conjugated poly (ethylene oxide)-poly (aspartic acid) block copolymer and formation of unimodal micellar structure with controlled amount of physically entrapped adriamycin. <i>Journal of Controlled Release</i> , 1994, 32, 269-277.	4.8	148
140	Chemo-physical Strategies to Advance the <i>in Vivo</i> Functionality of Targeted Nanomedicine: The Next Generation. <i>Journal of the American Chemical Society</i> , 2021, 143, 538-559.	6.6	148
141	Ligand Density Effect on Biorecognition by PEGylated Gold Nanoparticles: A Regulated Interaction of RCA120Lectin with Lactose Installed to the Distal End of Tethered PEG Strands on Gold Surface. <i>Biomacromolecules</i> , 2005, 6, 818-824.	2.6	146
142	Biosignal-sensitive polyion complex micelles for the delivery of biopharmaceuticals. <i>Soft Matter</i> , 2009, 5, 3810.	1.2	145
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