

Atsushi Maruyama

List of Publications by Year in descending order

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152
papers

4,936
citations

87401

40
h-index

124990

64
g-index

153
all docs

153
docs citations

153
times ranked

5299
citing authors

#	ARTICLE	IF	CITATIONS
1	Selective Photo-Crosslinking Detection of Methylated Cytosine in DNA Duplex Aided by a Cationic Comb-Type Copolymer. <i>ACS Biomaterials Science and Engineering</i> , 2022, , .	2.6	2
2	Light-Regulated Liquid-Liquid Phase Separation for Spatiotemporal Protein Recruitment and Cell Aggregation. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 5652-5659.	4.0	7
3	Single-Molecule Study of Redox Reaction Kinetics by Observing Fluorescence Blinking. <i>Accounts of Chemical Research</i> , 2021, 54, 1001-1010.	7.6	14
4	Control of Triplet Blinking Using Cyclooctatetraene to Access the Dynamics of Biomolecules at the Single-Molecule Level. <i>Angewandte Chemie</i> , 2021, 133, 13051-13058.	1.6	3
5	Control of Triplet Blinking Using Cyclooctatetraene to Access the Dynamics of Biomolecules at the Single-Molecule Level. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 12941-12948.	7.2	11
6	A cationic copolymer as a cocatalyst for a peroxidase-mimicking heme-DNAzyme. <i>Biomaterials Science</i> , 2021, 9, 6142-6152.	2.6	5
7	An implantable blood clot-based immune niche for enhanced cancer vaccination. <i>Science Advances</i> , 2020, 6, .	4.7	66
8	Cationic copolymer enhances 8 ¹⁷ DNAzyme and MNAzyme activities. <i>Biomaterials Science</i> , 2020, 8, 3812-3818.	2.6	11
9	Bundling Process of Citrulline Polypeptides upon UCST-Type Phase Separation. <i>Journal of Physical Chemistry B</i> , 2020, 124, 4036-4043.	1.2	3
10	Cationic Copolymer-Chaperoned 2D-3D Reversible Conversion of Lipid Membranes. <i>Advanced Materials</i> , 2019, 31, e1904032.	11.1	10
11	Photo-regulatable DNA isothermal amplification by template-mediated ligation. <i>Chemical Communications</i> , 2019, 55, 1080-1083.	2.2	2
12	Cationic comb-type copolymer as an artificial chaperone. <i>Polymer Journal</i> , 2019, 51, 935-943.	1.3	10
13	Synthesis and Properties of Upper Critical Solution Temperature Responsive Nanogels. <i>Langmuir</i> , 2019, 35, 7261-7267.	1.6	14
14	Cationic Copolymers Act As Chaperones of a Membrane-Active Peptide: Influence on Membrane Selectivity. <i>ACS Biomaterials Science and Engineering</i> , 2019, 5, 5744-5751.	2.6	5
15	Liposome-Surface-Initiated ARGET ATRP: Surface Softness Generated by α -Grafting from Polymerization. <i>Langmuir</i> , 2019, 35, 5581-5586.	1.6	9
16	Highly Ordered Polypeptide with UCST Phase Separation Behavior. <i>Journal of the American Chemical Society</i> , 2019, 141, 1261-1268.	6.6	45
17	Allosteric Control of Peroxidase-Mimicking DNAzyme Activity with Cationic Copolymers. <i>Biomacromolecules</i> , 2018, 19, 2082-2088.	2.6	13
18	Fluorescence Redox Blinking Adaptable to Structural Analysis of Nucleic Acids. <i>Chemistry - A European Journal</i> , 2018, 24, 6755-6761.	1.7	8

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19	A Thermoresponsive Cationic Comb-Type Copolymer Enhances Membrane Disruption Activity of an Amphiphilic Peptide. <i>Biomacromolecules</i> , 2018, 19, 1333-1339.	2.6	9
20	Rational Design of UCST-type Ureido Copolymers Based on a Hydrophobic Parameter. <i>Biomacromolecules</i> , 2018, 19, 4133-4138.	2.6	30
21	(Invited) A Thermo-Responsive Cationic Comb-Type Copolymer Enhances Membrane Permeabilizing Activity of an Amphiphilic Peptide. <i>ECS Meeting Abstracts</i> , 2018, , .	0.0	0
22	Design of a Tunable Self-Oscillating Polymer with Ureido and Ru(bpy) ₃ Moieties. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 9459-9462.	7.2	16
23	Single-Molecule Monitoring of the Structural Switching Dynamics of Nucleic Acids through Controlling Fluorescence Blinking. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 15329-15333.	7.2	11
24	Single-Molecule Monitoring of the Structural Switching Dynamics of Nucleic Acids through Controlling Fluorescence Blinking. <i>Angewandte Chemie</i> , 2017, 129, 15531-15535.	1.6	6
25	Design of a Tunable Self-Oscillating Polymer with Ureido and Ru(bpy) ₃ Moieties. <i>Angewandte Chemie</i> , 2017, 129, 9587-9590.	1.6	1
26	Preparation of ureido group bearing polymers and their upper critical solution temperature in water. <i>Journal of Polymer Science Part A</i> , 2016, 54, 2845-2854.	2.5	19
27	Mutational analysis of hepatitis B virus pre-S1 (9â€“24) fusogenic peptide. <i>Biochemical and Biophysical Research Communications</i> , 2016, 474, 406-412.	1.0	10
28	Reversible Monolayer/Spheroid Cell Culture Switching by UCST-Type Thermoresponsive Ureido Polymers. <i>ACS Applied Materials & Interfaces</i> , 2016, 8, 31524-31529.	4.0	41
29	A reversible Bâ€“A transition of DNA duplexes induced by synthetic cationic copolymers. <i>Chemical Communications</i> , 2016, 52, 7446-7449.	2.2	13
30	Highly sensitive self-complementary DNA nanoswitches triggered by polyelectrolytes. <i>Nanoscale</i> , 2016, 8, 464-470.	2.8	2
31	DNA Microenvironment Monitored by Controlling Redox Blinking. <i>ChemPhysChem</i> , 2015, 16, 3590-3594.	1.0	13
32	Triple helix conformation-specific blinking of Cy3 in DNA. <i>Chemical Communications</i> , 2015, 51, 4861-4864.	2.2	15
33	Enhancement of deoxyribozyme activity by cationic copolymers. <i>Biomaterials Science</i> , 2015, 3, 308-316.	2.6	27
34	MNAzyme-catalyzed nucleic acid detection enhanced by a cationic copolymer. <i>Biomaterials Science</i> , 2015, 3, 716-720.	2.6	26
35	Preparation of upper critical solution temperature (UCST) responsive diblock copolymers bearing pendant ureido groups and their micelle formation behavior in water. <i>Soft Matter</i> , 2015, 11, 5204-5213.	1.2	47
36	Inter-polyelectrolyte nano-assembly induces folding and activation of functional peptides. <i>Journal of Controlled Release</i> , 2015, 218, 45-52.	4.8	13

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37	Minimization of Synthetic Polymer Ligands for Specific Recognition and Neutralization of a Toxic Peptide. <i>Journal of the American Chemical Society</i> , 2015, 137, 10878-10881.	6.6	22
38	Smart hydrogels exhibiting UCST-type volume changes under physiologically relevant conditions. <i>RSC Advances</i> , 2014, 4, 52346-52348.	1.7	30
39	Blinking triggered by the change in the solvent accessibility of a fluorescent molecule. <i>Chemical Communications</i> , 2014, 50, 10478-10481.	2.2	12
40	DNA strand exchange reaction activated by cationic comb-type copolymers having ureido groups. <i>Biomaterials Science</i> , 2014, 2, 1480-1485.	2.6	9
41	Drastic Stabilization of Parallel DNA Hybridizations by a Polylysine Comb-Type Copolymer with Hydrophilic Graft Chain. <i>ChemMedChem</i> , 2014, 9, 2156-2163.	1.6	13
42	A lock-and-key mechanism for the controllable fabrication of DNA origami structures. <i>Chemical Communications</i> , 2014, 50, 8743.	2.2	10
43	Thermo-responsive liquid marbles. <i>Polymer Journal</i> , 2014, 46, 145-148.	1.3	58
44	Cationic Comb-Type Copolymer Excludes Intercalating Dye from DNA Without Inducing DNA Condensation. <i>Current Nanoscience</i> , 2014, 10, 185-188.	0.7	3
45	Thermoresponsive Polymers with Functional Groups Selected for Pharmaceutical and Biomedical Applications. <i>ACS Symposium Series</i> , 2013, , 235-241.	0.5	4
46	Detection of Single Nucleotide Variations by Monitoring the Blinking of Fluorescence Induced by Charge Transfer in DNA. <i>ChemBioChem</i> , 2013, 14, 1430-1433.	1.3	12
47	Polyelectrolyte-assisted transconformation of a stem-loop DNA. <i>Chemical Communications</i> , 2013, 49, 475-477.	2.2	15
48	Polycation-assisted DNA detection by reduction triggered fluorescence amplification probe. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2013, 23, 6851-6853.	1.0	1
49	Design of UCST Polymers for Chilling Capture of Proteins. <i>Biomacromolecules</i> , 2013, 14, 1452-1457.	2.6	84
50	Tumor delivery of Photofrin® by PLL-g-PEG for photodynamic therapy. <i>Journal of Controlled Release</i> , 2013, 167, 315-321.	4.8	28
51	Promoting strand exchange in a DNA-templated transfer reaction. <i>Chemical Communications</i> , 2013, 49, 618-620.	2.2	30
52	Effective Tumor Treatment by VEGF siRNA Complexed with Hydrophobic Poly(Amino Acid)-Modified Polyethylenimine. <i>Macromolecular Bioscience</i> , 2013, 13, 1438-1446.	2.1	23
53	Reversibly Crosslinked Polymeric Micelles Formed by Autonomously Exchangeable Dynamic Covalent Bonds. <i>Chemistry Letters</i> , 2013, 42, 377-379.	0.7	18
54	A polycation-chaperoned in-stem molecular beacon system. <i>Chemical Communications</i> , 2012, 48, 1760.	2.2	32

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55	Dual crosslinked hydrogel nanoparticles by nanogel bottom-up method for sustained-release delivery. <i>Colloids and Surfaces B: Biointerfaces</i> , 2012, 99, 38-44.	2.5	61
56	±-amino acid pendant polymers as endosomal pH-responsive gene carriers. <i>Macromolecular Research</i> , 2012, 20, 302-308.	1.0	12
57	Probing the Charge-Transfer Dynamics in DNA at the Single-Molecule Level. <i>Journal of the American Chemical Society</i> , 2011, 133, 15568-15577.	6.6	40
58	A mirror-image tetramolecular DNA quadruplex. <i>Chemical Communications</i> , 2011, 47, 5437-5439.	2.2	30
59	Ureido-Derivatized Polymers Based on Both Poly(allylurea) and Poly(L-citrulline) Exhibit UCST-Type Phase Transition Behavior under Physiologically Relevant Conditions. <i>Biomacromolecules</i> , 2011, 12, 3418-3422.	2.6	157
60	Preparation of Cationic Comb-Type Copolymer Having Tetra-Alkylammonium Groups and its Interaction with DNA. <i>Current Nanoscience</i> , 2011, 7, 979-983.	0.7	2
61	Cationic Comb-type Copolymers Do Not Cause Collapse but Shrinkage of DNA Molecules. <i>Chemistry Letters</i> , 2011, 40, 250-251.	0.7	5
62	Grafting of poly(ethylene glycol) to poly-lysine augments its lifetime in blood circulation and accumulation in tumors without loss of the ability to associate with siRNA. <i>Journal of Controlled Release</i> , 2011, 149, 2-7.	4.8	61
63	Controlled synthesis of PEI-coated gold nanoparticles using reductive catechol chemistry for siRNA delivery. <i>Journal of Controlled Release</i> , 2011, 155, 3-10.	4.8	108
64	Nuclear localization and antisense effect of PNA internalized by ASGP-R-mediated endocytosis with protein/DNA conjugates. <i>Journal of Controlled Release</i> , 2011, 155, 34-39.	4.8	16
65	Evaluation of polyanion-coated biodegradable polymeric micelles as drug delivery vehicles. <i>Journal of Controlled Release</i> , 2011, 155, 104-110.	4.8	44
66	RGD targeting hyaluronic acid coating system for PEI-PBLG polycation gene carriers. <i>Journal of Controlled Release</i> , 2011, 155, 47-53.	4.8	125
67	Preface. <i>Journal of Controlled Release</i> , 2011, 155, 1.	4.8	1
68	The role of cationic comb-type copolymers in chaperoning DNA annealing. <i>Biomaterials</i> , 2011, 32, 7671-7676.	5.7	20
69	Enhanced cell uptake via non-covalent decollation of a single-walled carbon nanotube-DNA hybrid with polyethylene glycol-grafted poly(L-lysine) labeled with an Alexa-dye and its efficient uptake in a cancer cell. <i>Nanoscale</i> , 2011, 3, 4352.	2.8	17
70	DNA assembly and re-assembly activated by cationic comb-type copolymer. <i>Biomaterials</i> , 2011, 32, 2351-2358.	5.7	21
71	Preparation of Highly Stable Biodegradable Polymer Micelles by Coating with Polyion Complex. <i>Macromolecular Chemistry and Physics</i> , 2010, 211, 1750-1756.	1.1	17
72	Unusually Large Hysteresis of Temperature-Responsive Poly(N-ethyl-2-propionamidoacrylamide) Studied by Microcalorimetry and FT-IR. <i>Journal of Physical Chemistry B</i> , 2010, 114, 7784-7790.	1.2	17

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73	Cationic Graft Copolymer as a DNA B-Z Transition Inducer: Effect of Copolymer Structure. <i>Biomacromolecules</i> , 2010, 11, 3043-3048.	2.6	9
74	Synthesis, Characterization and Drug Release of Biocompatible/Biodegradable Non-toxic Poly(urethane urea)s Based on Poly(μ -caprolactone)s and Lysine-Based Diisocyanate. <i>Journal of Biomaterials Science, Polymer Edition</i> , 2010, 21, 1483-1502.	1.9	29
75	B α -Z DNA Transition Triggered by a Cationic Comb-Type Copolymer. <i>Advanced Functional Materials</i> , 2009, 19, 3590-3595.	7.8	20
76	Synthesis and characterization of semi-interpenetrating polymer networks based on polyurethane and <i>N</i> -isopropylacrylamide for wound dressing. <i>Journal of Biomedical Materials Research - Part B Applied Biomaterials</i> , 2009, 88B, 32-40.	1.6	11
77	A Highly Efficient siRNA Carrier of PBLG Modified Hyperbranched PEI. <i>Macromolecular Bioscience</i> , 2009, 9, 1247-1253.	2.1	31
78	Preparation and characterization of gelatin sponge millispheres from air-in-water-in-oil-type emulsions. <i>Journal of Materials Science: Materials in Medicine</i> , 2009, 20, 1299-1305.	1.7	2
79	Novel silver-loaded semi-interpenetrating polymer network gel films with antibacterial activity. <i>Journal of Polymer Science Part A</i> , 2009, 47, 4950-4962.	2.5	9
80	Syndiotactic Poly(<i>N</i> -propylacrylamide) Shows Highly Cooperative Phase Transition. <i>Langmuir</i> , 2009, 25, 48-50.	1.6	26
81	Synergistic Stabilization of Nucleic Acid Assembly by 2 ϵ -O,4 ϵ -C-Methylene-Bridged Nucleic Acid Modification and Additions of Comb-Type Cationic Copolymers. <i>Biochemistry</i> , 2009, 48, 3545-3553.	1.2	21
82	Uptake of Enzymatically-Digested Hyaluronan by Liver Endothelial Cells in Vivo and in Vitro. <i>Journal of Biomaterials Science, Polymer Edition</i> , 2009, 20, 83-97.	1.9	17
83	Interaction of Self-assembled Cationic Nanogels with Oligo-DNA and Function as Artificial Nucleic Acid Chaperone. <i>Chemistry Letters</i> , 2009, 38, 496-497.	0.7	11
84	Embryonic undifferentiated cells show scattering activity on a surface coated with immobilized E-cadherin. <i>Journal of Cellular Biochemistry</i> , 2008, 103, 296-310.	1.2	33
85	Bis-pyrene-labeled molecular beacon: A monomer α -excimer switching probe for the detection of DNA base alteration. <i>Bioorganic and Medicinal Chemistry</i> , 2008, 16, 78-83.	1.4	44
86	Inducing the replacement of PNA in DNA α -PNA duplexes by DNA. <i>Bioorganic and Medicinal Chemistry</i> , 2008, 16, 34-39.	1.4	11
87	Supramolecular control of polyplex dissociation and cell transfection: Efficacy of amino groups and threading cyclodextrins in biocleavable polyrotaxanes. <i>Journal of Controlled Release</i> , 2008, 131, 137-144.	4.8	64
88	A Biomimetic Alternative to Poly(ethylene glycol) as an Antifouling Coating: Resistance to Nonspecific Protein Adsorption of Poly(<i>sc</i> <i>l</i> -lysine)- <i>g</i> -dextran. <i>Langmuir</i> , 2008, 24, 8850-8856.	1.6	147
89	Identification of de novo STAT3 target gene in liver regeneration. <i>Hepatology Research</i> , 2008, 38, 374-384.	1.8	0
90	Poly(<i>l</i> -lysine)-graft-dextran copolymer accelerates DNA hybridization by two orders. <i>Soft Matter</i> , 2008, 4, 744.	1.2	36

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91	Thermosensitive Transparent Semi-Interpenetrating Polymer Networks for Wound Dressing and Cell Adhesion Control. <i>Biomacromolecules</i> , 2008, 9, 1313-1321.	2.6	67
92	Discriminating single-base difference miRNA expressions using microarray Probe Design Guru (ProDeG). <i>Nucleic Acids Research</i> , 2008, 36, e27.	6.5	80
93	Activation of DNA strand exchange by cationic comb-type copolymers: effect of cationic moieties of the copolymers. <i>Nucleic Acids Research</i> , 2007, 36, 342-351.	6.5	35
94	Preparation of Cationic Comb-Type Copolymers Having High Density of PEG Graft Chains for Gene Carriers. <i>Macromolecular Symposia</i> , 2007, 249-250, 312-316.	0.4	10
95	DNA Nanomachine Switching Improved by Cationic Comb-Type Copolymer. <i>Macromolecular Symposia</i> , 2007, 249-250, 317-321.	0.4	1
96	Spectroscopic Investigation of Cationic Comb-Type Copolymers/DNA Interaction: Interpolyelectrolyte Complex Enhancement Synchronized with DNA Hybridization. <i>Langmuir</i> , 2007, 23, 65-69.	1.6	14
97	Effect of Cationic Comb-Type Copolymer on Quadruplex Folding of Human Telomeric DNA. <i>Nucleosides, Nucleotides and Nucleic Acids</i> , 2007, 26, 1115-1119.	0.4	2
98	Cationic Comb-Type Copolymers for Boosting DNA-Fueled Nanomachines. <i>Nano Letters</i> , 2007, 7, 172-178.	4.5	42
99	Abundant graft chains do not influence coil-to-helix but β -to- β' transition of polylysine backbone, resulting in thermoreversible β' -to- β transition. <i>Reactive and Functional Polymers</i> , 2007, 67, 1381-1387.	2.0	1
100	Genetic manipulation of sinusoidal endothelial cells. <i>Journal of Gastroenterology and Hepatology (Australia)</i> , 2007, 22, S68-S72.	1.4	4
101	Polymer brush-stabilized polyplex for a siRNA carrier with long circulatory half-life. <i>Journal of Controlled Release</i> , 2007, 122, 209-216.	4.8	99
102	Biocleavable Polyrotaxane-Plasmid DNA Polyplex for Enhanced Gene Delivery. <i>Journal of the American Chemical Society</i> , 2006, 128, 3852-3853.	6.6	260
103	pH-sensing nano-crystals of carbonate apatite: Effects on intracellular delivery and release of DNA for efficient expression into mammalian cells. <i>Gene</i> , 2006, 376, 87-94.	1.0	83
104	Synthesis of a biocleavable polyrotaxane-plasmid DNA (pDNA) polyplex and its use for the rapid nonviral delivery of pDNA to cell nuclei. <i>Nature Protocols</i> , 2006, 1, 2861-2869.	5.5	59
105	Hyaluronan conjugation of antigenic protein to modify immunogenic information. <i>Science and Technology of Advanced Materials</i> , 2006, 7, 685-691.	2.8	4
106	Inter Polyelectrolyte Complex for Accurate Geno-Typing. <i>Kobunshi</i> , 2005, 54, 546-549.	0.0	0
107	The effect of backbone structure on polycation comb-type copolymer/DNA interactions and the molecular assembly of DNA. <i>Biomaterials</i> , 2005, 26, 703-711.	5.7	57
108	DNA mismatch detection using a pyrene-excimer-forming probe. <i>Chemical Communications</i> , 2005, , 2509.	2.2	70

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109	COMBINATION OF POLY(L-LYSINE)-GRAFT-DEXTRAN COPOLYMER AND 2- α -O,4- α -C-METHYLENE BRIDGED NUCLEIC ACID (2- α ,4- α -BNA) MODIFICATION SYNERGISTICALLY STABILIZES PYRIMIDINE MOTIF TRIPLEX AT NEUTRAL PH. <i>Nucleosides, Nucleotides and Nucleic Acids</i> , 2005, 24, 635-638.		2
110	Synergistic Stabilization of Nucleic Acid Assembly by Oligo-N3- α -P5- α -Phosphoramidate Modification and Additions of Comb-type Cationic Copolymers. <i>Journal of the American Chemical Society</i> , 2005, 127, 1705-1710.	6.6	16
111	Extracellular signal-dependent nuclear import of STAT3 is mediated by various importin β s. <i>Biochemical and Biophysical Research Communications</i> , 2005, 330, 880-886.	1.0	51
112	Effects of polyrotaxane structure on polyion complexation with DNA. <i>Science and Technology of Advanced Materials</i> , 2004, 5, 363-369.	2.8	24
113	Preparation of cationic comb-type copolymer having guanidino moieties and its interaction with DNAs. <i>Journal of Biomaterials Science, Polymer Edition</i> , 2004, 15, 1099-1110.	1.9	11
114	Cationic comb-type copolymers for DNA analysis. <i>Nature Materials</i> , 2003, 2, 815-820.	13.3	73
115	DNA Strand Exchange Stimulated by Spontaneous Complex Formation with Cationic Comb-Type Copolymer. <i>Journal of the American Chemical Society</i> , 2002, 124, 12676-12677.	6.6	85
116	A double-strand decoy DNA oligomer for NF- κ B inhibits TNF α -induced ICAM-1 expression in sinusoidal endothelial cells. <i>Biochemical and Biophysical Research Communications</i> , 2002, 298, 10-16.	1.0	19
117	An Intelligent MRI Contrast Agent for Tumor Sensing. <i>Academic Radiology</i> , 2002, 9, S109-S111.	1.3	3
118	Bi-phasic polycation for the DNA carrier responding to endosomal pH. <i>Colloids and Surfaces B: Biointerfaces</i> , 2001, 22, 183-191.	2.5	9
119	Design of polymer materials enhancing nucleotide hybridization for anti-gene technology. <i>Advanced Drug Delivery Reviews</i> , 2001, 52, 227-233.	6.6	8
120	Receptor-mediated cell modulator delivery to hepatocyte using nanoparticles coated with carbohydrate-carrying polymers. <i>Biomaterials</i> , 2000, 22, 45-51.	5.7	64
121	Mechanism of Intermolecular Purine-Purine-Pyrimidine Triple Helix Stabilization by Comb-Type Polylysine Graft Copolymer at Physiologic Potassium Concentration. <i>Bioconjugate Chemistry</i> , 2000, 11, 520-526.	1.8	11
122	Poly(l-lysine)-graft-dextran Copolymer Promotes Pyrimidine Motif Triplex DNA Formation at Physiological pH. <i>Journal of Biological Chemistry</i> , 1999, 274, 6161-6167.	1.6	60
123	Design of multi-functional nanoparticles as a DNA carrier. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 1999, 153, 439-443.	2.3	11
124	Polycation comb-type copolymer reduces counterion condensation effect to stabilize DNA duplex and triplex formation. <i>Colloids and Surfaces B: Biointerfaces</i> , 1999, 16, 273-280.	2.5	33
125	Targeted gene transfer to sinusoidal endothelial cells and expression in vivo. <i>Transplantation Proceedings</i> , 1999, 31, 790-791.	0.3	7
126	Comb-Type Prepolymers Consisting of a Polyacrylamide Backbone and Poly(l-lysine) Graft Chains for Multivalent Ligands. <i>Bioconjugate Chemistry</i> , 1999, 10, 246-253.	1.8	8

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127	Terplex DNA delivery system as a gene carrier. <i>Pharmaceutical Research</i> , 1998, 15, 116-121.	1.7	61
128	Comb-Type Copolymer: Stabilization of Triplex DNA and Possible Application in Antigene Strategy. <i>Journal of Pharmaceutical Sciences</i> , 1998, 87, 1400-1405.	1.6	23
129	A new non-viral DNA delivery vector: the terplex system. <i>Journal of Controlled Release</i> , 1998, 53, 175-182.	4.8	92
130	Characterization of Interpolyelectrolyte Complexes between Double-Stranded DNA and Polylysine Comb-Type Copolymers Having Hydrophilic Side Chains. <i>Bioconjugate Chemistry</i> , 1998, 9, 292-299.	1.8	118
131	Synthesis of Novel Polyampholyte Comb-Type Copolymers Consisting of a Poly(L-lysine) Backbone and Hyaluronic Acid Side Chains for a DNA Carrier. <i>Bioconjugate Chemistry</i> , 1998, 9, 476-481.	1.8	122
132	Coated Antireceptor Antibody as an Extracellular Matrix for Liver Tissue Engineering. <i>Tissue Engineering</i> , 1997, 3, 281-288.	4.9	7
133	Design of Comb-Type Polyamine Copolymers for a Novel pH-Sensitive DNA Carrier. <i>Bioconjugate Chemistry</i> , 1997, 8, 833-838.	1.8	73
134	Nanoparticle DNA Carrier with Poly(L-lysine) Grafted Polysaccharide Copolymer and Poly(D,L-lactic) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50	1.8	137
135	Comb-Type Polycations Effectively Stabilize DNA Triplex. <i>Bioconjugate Chemistry</i> , 1997, 8, 3-6.	1.8	139
136	In vitro gene expression on smooth muscle cells using a terplex delivery system. <i>Journal of Controlled Release</i> , 1997, 47, 51-59.	4.8	43
137	Simple preparation of nanoparticles coated with carbohydrate-carrying polymers. <i>Biomaterials</i> , 1997, 18, 323-326.	5.7	31
138	Cellular distribution of polymer particles bearing various densities of carbohydrate ligands. <i>Journal of Biomaterials Science, Polymer Edition</i> , 1995, 6, 463-479.	1.9	20
139	Postadsorptive behavior of plasma proteins on poly(propylene oxide)-segmented nylon-610 surfaces and its implication in preventing contact-induced activation of platelets on these surfaces. <i>Journal of Biomaterials Science, Polymer Edition</i> , 1995, 6, 149-168.	1.9	17
140	Preparation of nanoparticles bearing high density carbohydrate chains using carbohydrate-carrying polymers as emulsifier. <i>Biomaterials</i> , 1994, 15, 1035-1042.	5.7	45
141	Attempt to Control Sequence of Branched Polysaccharide with Enzymatic Hydrolysis and/or Copolymerization. <i>Polymer Journal</i> , 1993, 25, 373-378.	1.3	6
142	A new synthetic hypoglycaemic polysaccharide. <i>Biochemical and Biophysical Research Communications</i> , 1992, 188, 16-19.	1.0	19
143	Thermo-responsive swelling and drug release switching of interpenetrating polymer networks composed of poly(acrylamide-co-butyl methacrylate) and poly (acrylic acid). <i>Journal of Controlled Release</i> , 1991, 16, 215-227.	4.8	222
144	Controlled drug release from polyether poly(urethane urea).. <i>Kobunshi Ronbunshu</i> , 1990, 47, 403-408.	0.2	0

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145	Elimination of cellular active adhesion on microdomain-structured surface of graft-polyamine copolymers. <i>Biomaterials</i> , 1989, 10, 291-298.	5.7	11
146	Change in cytoplasmic free Ca ²⁺ concentration in rabbit platelets contacting with albumin coated and uncoated polystyrene surfaces. <i>Biomaterials</i> , 1989, 10, 309-312.	5.7	11
147	Permeability of partially imidized poly(amic acid) membranes for water-ethanol mixtures. <i>Kobunshi Ronbunshu</i> , 1989, 46, 445-449.	0.2	1
148	Separation of B- and T-lymphocytes by cellular adsorption chromatography using poly(2-hydroxyethyl methacrylate) grafted polyamine. <i>Journal of Applied Polymer Science</i> , 1988, 22, 555-571.	3.0	24
149	Quantitative evaluation of rat lymphocyte adsorption on microdomain structured surfaces of poly(2-hydroxyethyl methacrylate)/ polyamine. <i>Biomaterials</i> , 1988, 9, 471-481.	5.7	18
150	Immunoaffinity chromatography of lymphocyte subpopulations using tert-amine derived matrices with adsorbed antibodies. <i>Biomaterials</i> , 1988, 9, 218-224.	5.7	33
151	A Polyamine Macromonomer Having Controlled Molecular Weight. <i>Polymer Journal</i> , 1987, 19, 593-601.	1.3	19
152	Differential retention of lymphocyte subpopulations (B and T cells) on the microphase separated surface of polystyrene/polyamine graft copolymers. <i>European Polymer Journal</i> , 1983, 19, 979-984.	2.6	45