

# Atsushi Maruyama

## List of Publications by Year in descending order

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152  
papers

4,936  
citations

76322

40  
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110368

64  
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153  
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153  
docs citations

153  
times ranked

4643  
citing authors

#	ARTICLE	IF	CITATIONS
1	Selective Photo-Crosslinking Detection of Methylated Cytosine in DNA Duplex Aided by a Cationic Comb-Type Copolymer. ACS Biomaterials Science and Engineering, 2022, , .	5.2	2
2	Light-Regulated Liquidâ€“Liquid Phase Separation for Spatiotemporal Protein Recruitment and Cell Aggregation. ACS Applied Materials & Interfaces, 2021, 13, 5652-5659.	8.0	7
3	Single-Molecule Study of Redox Reaction Kinetics by Observing Fluorescence Blinking. Accounts of Chemical Research, 2021, 54, 1001-1010.	15.6	14
4	Control of Triplet Blinking Using Cyclooctatetraene to Access the Dynamics of Biomolecules at the Singleâ€“Molecule Level. Angewandte Chemie, 2021, 133, 13051-13058.	2.0	3
5	Control of Triplet Blinking Using Cyclooctatetraene to Access the Dynamics of Biomolecules at the Singleâ€“Molecule Level. Angewandte Chemie - International Edition, 2021, 60, 12941-12948.	13.8	11
6	A cationic copolymer as a cocatalyst for a peroxidase-mimicking heme-DNAzyme. Biomaterials Science, 2021, 9, 6142-6152.	5.4	5
7	An implantable blood clotâ€“based immune niche for enhanced cancer vaccination. Science Advances, 2020, 6, .	10.3	66
8	Cationic copolymer enhances 8â€“17 DNAzyme and MNAzyme activities. Biomaterials Science, 2020, 8, 3812-3818.	5.4	11
9	Bundling Process of Citrulline Polypeptides upon UCST-Type Phase Separation. Journal of Physical Chemistry B, 2020, 124, 4036-4043.	2.6	3
10	Cationic Copolymerâ€“Chaperoned 2Dâ€“3D Reversible Conversion of Lipid Membranes. Advanced Materials, 2019, 31, e1904032.	21.0	10
11	Photo-regulatable DNA isothermal amplification by template-mediated ligation. Chemical Communications, 2019, 55, 1080-1083.	4.1	2
12	Cationic comb-type copolymer as an artificial chaperone. Polymer Journal, 2019, 51, 935-943.	2.7	10
13	Synthesis and Properties of Upper Critical Solution Temperature Responsive Nanogels. Langmuir, 2019, 35, 7261-7267.	3.5	14
14	Cationic Copolymers Act As Chaperones of a Membrane-Active Peptide: Influence on Membrane Selectivity. ACS Biomaterials Science and Engineering, 2019, 5, 5744-5751.	5.2	5
15	Liposome-Surface-Initiated ARGET ATRP: Surface Softness Generated by â€œGrafting fromâ€“Polymerization. Langmuir, 2019, 35, 5581-5586.	3.5	9
16	Highly Ordered Polypeptide with UCST Phase Separation Behavior. Journal of the American Chemical Society, 2019, 141, 1261-1268.	13.7	45
17	Allosteric Control of Peroxidase-Mimicking DNAzyme Activity with Cationic Copolymers. Biomacromolecules, 2018, 19, 2082-2088.	5.4	13
18	Fluorescence Redox Blinking Adaptable to Structural Analysis of Nucleic Acids. Chemistry - A European Journal, 2018, 24, 6755-6761.	3.3	8

#	ARTICLE	IF	CITATIONS
19	A Thermoresponsive Cationic Comb-Type Copolymer Enhances Membrane Disruption Activity of an Amphiphilic Peptide. <i>Biomacromolecules</i> , 2018, 19, 1333-1339.	5.4	9
20	Rational Design of UCST-type Ureido Copolymers Based on a Hydrophobic Parameter. <i>Biomacromolecules</i> , 2018, 19, 4133-4138.	5.4	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) <sub>3</sub> Moieties. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 9459-9462.	13.8	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.	13.8	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.	2.0	6
25	Design of a Tunable Self-Oscillating Polymer with Ureido and Ru(bpy) <sub>3</sub> Moieties. <i>Angewandte Chemie</i> , 2017, 129, 9587-9590.	2.0	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.	2.3	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.	2.1	10
28	Reversible Monolayer/Spheroid Cell Culture Switching by UCST-Type Thermoresponsive Ureido Polymers. <i>ACS Applied Materials &amp; Interfaces</i> , 2016, 8, 31524-31529.	8.0	41
29	A reversible Bâ€“A transition of DNA duplexes induced by synthetic cationic copolymers. <i>Chemical Communications</i> , 2016, 52, 7446-7449.	4.1	13
30	Highly sensitive self-complementary DNA nanoswitches triggered by polyelectrolytes. <i>Nanoscale</i> , 2016, 8, 464-470.	5.6	2
31	DNA Microenvironment Monitored by Controlling Redox Blinking. <i>ChemPhysChem</i> , 2015, 16, 3590-3594.	2.1	13
32	Triple helix conformation-specific blinking of Cy3 in DNA. <i>Chemical Communications</i> , 2015, 51, 4861-4864.	4.1	15
33	Enhancement of deoxyribozyme activity by cationic copolymers. <i>Biomaterials Science</i> , 2015, 3, 308-316.	5.4	27
34	MNAzyme-catalyzed nucleic acid detection enhanced by a cationic copolymer. <i>Biomaterials Science</i> , 2015, 3, 716-720.	5.4	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.	2.7	47
36	Inter-polyelectrolyte nano-assembly induces folding and activation of functional peptides. <i>Journal of Controlled Release</i> , 2015, 218, 45-52.	9.9	13

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37	Minimization of Synthetic Polymer Ligands for Specific Recognition and Neutralization of a Toxic Peptide. Journal of the American Chemical Society, 2015, 137, 10878-10881.	13.7	22
38	Smart hydrogels exhibiting UCST-type volume changes under physiologically relevant conditions. RSC Advances, 2014, 4, 52346-52348.	3.6	30
39	Blinking triggered by the change in the solvent accessibility of a fluorescent molecule. Chemical Communications, 2014, 50, 10478-10481.	4.1	12
40	DNA strand exchange reaction activated by cationic comb-type copolymers having ureido groups. Biomaterials Science, 2014, 2, 1480-1485.	5.4	9
41	Drastic Stabilization of Parallel DNA Hybridizations by a Polylysine Comb-Type Copolymer with Hydrophilic Graft Chain. ChemMedChem, 2014, 9, 2156-2163.	3.2	13
42	A lock-and-key mechanism for the controllable fabrication of DNA origami structures. Chemical Communications, 2014, 50, 8743.	4.1	10
43	Thermo-responsive liquid marbles. Polymer Journal, 2014, 46, 145-148.	2.7	58
44	Cationic Comb-Type Copolymer Excludes Intercalating Dye from DNA Without Inducing DNA Condensation. Current Nanoscience, 2014, 10, 185-188.	1.2	3
45	Thermoresponsive Polymers with Functional Groups Selected for Pharmaceutical and Biomedical Applications. ACS Symposium Series, 2013, , 235-241.	0.5	4
46	Detection of Single Nucleotide Variations by Monitoring the Blinking of Fluorescence Induced by Charge Transfer in DNA. ChemBioChem, 2013, 14, 1430-1433.	2.6	12
47	Polyelectrolyte-assisted transconformation of a stem-loop DNA. Chemical Communications, 2013, 49, 475-477.	4.1	15
48	Polycation-assisted DNA detection by reduction triggered fluorescence amplification probe. Bioorganic and Medicinal Chemistry Letters, 2013, 23, 6851-6853.	2.2	1
49	Design of UCST Polymers for Chilling Capture of Proteins. Biomacromolecules, 2013, 14, 1452-1457.	5.4	84
50	Tumor delivery of Photofrin® by PLL-g-PEG for photodynamic therapy. Journal of Controlled Release, 2013, 167, 315-321.	9.9	28
51	Promoting strand exchange in a DNA-templated transfer reaction. Chemical Communications, 2013, 49, 618-620.	4.1	30
52	Effective Tumor Treatment by <scp>VEGF</scp> si<scp>RNA</scp> Complexed with Hydrophobic Poly(<scp>A</scp>mino Acid)-<scp>M</scp>odified Polyethylenimine. Macromolecular Bioscience, 2013, 13, 1438-1446.	4.1	23
53	Reversibly Crosslinked Polymeric Micelles Formed by Autonomously Exchangeable Dynamic Covalent Bonds. Chemistry Letters, 2013, 42, 377-379.	1.3	18
54	A polycation-chaperoned in-stem molecular beacon system. Chemical Communications, 2012, 48, 1760.	4.1	32

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55	Dual crosslinked hydrogel nanoparticles by nanogel bottom-up method for sustained-release delivery. Colloids and Surfaces B: Biointerfaces, 2012, 99, 38-44.	5.0	61
56	Î±-amino acid pendant polymers as endosomal pH-responsive gene carriers. Macromolecular Research, 2012, 20, 302-308.	2.4	12
57	Probing the Charge-Transfer Dynamics in DNA at the Single-Molecule Level. Journal of the American Chemical Society, 2011, 133, 15568-15577.	13.7	40
58	A mirror-image tetramolecular DNA quadruplex. Chemical Communications, 2011, 47, 5437-5439.	4.1	30
59	Ureido-Derivatized Polymers Based on Both Poly(allylurea) and Poly(α-lysine) Exhibit UCST-Type Phase Transition Behavior under Physiologically Relevant Conditions. Biomacromolecules, 2011, 12, 3418-3422.	5.4	157
60	Preparation of Cationic Comb-Type Copolymer Having Tetra-Alkylammonium Groups and its Interaction with DNA. Current Nanoscience, 2011, 7, 979-983.	1.2	2
61	Cationic Comb-type Copolymers Do Not Cause Collapse but Shrinkage of DNA Molecules. Chemistry Letters, 2011, 40, 250-251.	1.3	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. Journal of Controlled Release, 2011, 149, 2-7.	9.9	61
63	Controlled synthesis of PEI-coated gold nanoparticles using reductive catechol chemistry for siRNA delivery. Journal of Controlled Release, 2011, 155, 3-10.	9.9	108
64	Nuclear localization and antisense effect of PNA internalized by ASGP-R-mediated endocytosis with protein/DNA conjugates. Journal of Controlled Release, 2011, 155, 34-39.	9.9	16
65	Evaluation of polyanion-coated biodegradable polymeric micelles as drug delivery vehicles. Journal of Controlled Release, 2011, 155, 104-110.	9.9	44
66	RGD targeting hyaluronic acid coating system for PEI-PBLG polycation gene carriers. Journal of Controlled Release, 2011, 155, 47-53.	9.9	125
67	Preface. Journal of Controlled Release, 2011, 155, 1.	9.9	1
68	The role of cationic comb-type copolymers in chaperoning DNA annealing. Biomaterials, 2011, 32, 7671-7676.	11.4	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. Nanoscale, 2011, 3, 4352.	5.6	17
70	DNA assembly and re-assembly activated by cationic comb-type copolymer. Biomaterials, 2011, 32, 2351-2358.	11.4	21
71	Preparation of Highly Stable Biodegradable Polymer Micelles by Coating with Polyion Complex. Macromolecular Chemistry and Physics, 2010, 211, 1750-1756.	2.2	17
72	Unusually Large Hysteresis of Temperature-Responsive Poly(N-ethyl-2-propionamidoacrylamide) Studied by Microcalorimetry and FT-IR. Journal of Physical Chemistry B, 2010, 114, 7784-7790.	2.6	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.	5.4	9
74	Synthesis, Characterization and Drug Release of Biocompatible/Biodegradable Non-toxic Poly(urethane urea)s Based on Poly( $\mu$ -caprolactone)s and Lysine-Based Diisocyanate. <i>Journal of Biomaterials Science, Polymer Edition</i> , 2010, 21, 1483-1502.	3.5	29
75	Bâ€Z DNA Transition Triggered by a Cationic Combâ€Type Copolymer. <i>Advanced Functional Materials</i> , 2009, 19, 3590-3595.	14.9	20
76	Synthesis and characterization of semiâ€interpenetrating polymer networks based on polyurethane and $\alpha$ -isopropylacrylamide for wound dressing. <i>Journal of Biomedical Materials Research - Part B Applied Biomaterials</i> , 2009, 88B, 32-40.	3.4	11
77	A Highly Efficient siRNA Carrier of PBLG Modified Hyperbranched PEI. <i>Macromolecular Bioscience</i> , 2009, 9, 1247-1253.	4.1	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.	3.6	2
79	Novel silverâ€loaded semiâ€interpenetrating polymer network gel films with antibacterial activity. <i>Journal of Polymer Science Part A</i> , 2009, 47, 4950-4962.	2.3	9
80	Syndiotactic Poly( $\alpha$ -isopropylacrylamide) Shows Highly Cooperative Phase Transition. <i>Langmuir</i> , 2009, 25, 48-50.	3.5	26
81	Synergistic Stabilization of Nucleic Acid Assembly by 2â€2-O,4â€2-C-Methylene-Bridged Nucleic Acid Modification and Additions of Comb-Type Cationic Copolymers. <i>Biochemistry</i> , 2009, 48, 3545-3553.	2.5	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.	3.5	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.	1.3	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.	2.6	33
85	Bis-pyrene-labeled molecular beacon: A monomerâ€excimer switching probe for the detection of DNA base alteration. <i>Bioorganic and Medicinal Chemistry</i> , 2008, 16, 78-83.	3.0	44
86	Inducing the replacement of PNA in DNAâ€PNA duplexes by DNA. <i>Bioorganic and Medicinal Chemistry</i> , 2008, 16, 34-39.	3.0	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.	9.9	64
88	A Biomimetic Alternative to Poly(ethylene glycol) as an Antifouling Coating: Resistance to Nonspecific Protein Adsorption of Poly( $\alpha$ -lysine)- $\alpha$ -graft-dextran. <i>Langmuir</i> , 2008, 24, 8850-8856.	3.5	147
89	Identification of de novo STAT3 target gene in liver regeneration. <i>Hepatology Research</i> , 2008, 38, 374-384.	3.4	0
90	Poly( $\alpha$ -lysine)-graft-dextran copolymer accelerates DNA hybridization by two orders. <i>Soft Matter</i> , 2008, 4, 744.	2.7	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.	5.4	67
92	Discriminating single-base difference miRNA expressions using microarray Probe Design Guru (ProDeG). <i>Nucleic Acids Research</i> , 2008, 36, e27.	14.5	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.	14.5	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.	0.7	10
95	DNA Nanomachine Switching Improved by Cationic Comb-Type Copolymer. <i>Macromolecular Symposia</i> , 2007, 249-250, 317-321.	0.7	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.	3.5	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.	1.1	2
98	Cationic Comb-Type Copolymers for Boosting DNA-Fueled Nanomachines. <i>Nano Letters</i> , 2007, 7, 172-178.	9.1	42
99	Abundant graft chains do not influence coil-to-helix but $\alpha$ -to- $\beta$ transition of polylysine backbone, resulting in thermoreversible $\beta$ -to- $\alpha$ transition. <i>Reactive and Functional Polymers</i> , 2007, 67, 1381-1387.	4.1	1
100	Genetic manipulation of sinusoidal endothelial cells. <i>Journal of Gastroenterology and Hepatology (Australia)</i> , 2007, 22, S68-S72.	2.8	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.	9.9	99
102	Biocleavable Polyrotaxane-Plasmid DNA Polyplex for Enhanced Gene Delivery. <i>Journal of the American Chemical Society</i> , 2006, 128, 3852-3853.	13.7	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.	2.2	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.	12.0	59
105	Hyaluronan conjugation of antigenic protein to modify immunogenic information. <i>Science and Technology of Advanced Materials</i> , 2006, 7, 685-691.	6.1	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.	11.4	57
108	DNA mismatch detection using a pyrene-excimer-forming probe. <i>Chemical Communications</i> , 2005, , 2509.	4.1	70



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109	COMBINATION OF POLY(L-LYSINE)-GRAFT-DEXTRAN COPOLYMER AND 2'-O,4'-C-METHYLENE BRIDGED NUCLEIC ACID (2'-O,4'-BNA) MODIFICATION SYNERGISTICALLY STABILIZES PYRIMIDINE MOTIF TRIPLEX AT NEUTRAL PH. 1.1 Nucleosides, Nucleotides and Nucleic Acids, 2005, 24, 635-638.		2
110	Synergistic Stabilization of Nucleic Acid Assembly by Oligo-N3'-P5' Phosphoramidate Modification and Additions of Comb-type Cationic Copolymers. Journal of the American Chemical Society, 2005, 127, 1705-1710.	13.7	16
111	Extracellular signal-dependent nuclear import of STAT3 is mediated by various importin $\beta$ s. Biochemical and Biophysical Research Communications, 2005, 330, 880-886.	2.1	51
112	Effects of polyrotaxane structure on polyion complexation with DNA. Science and Technology of Advanced Materials, 2004, 5, 363-369.	6.1	24
113	Preparation of cationic comb-type copolymer having guanidino moieties and its interaction with DNAs. Journal of Biomaterials Science, Polymer Edition, 2004, 15, 1099-1110.	3.5	11
114	Cationic comb-type copolymers for DNA analysis. Nature Materials, 2003, 2, 815-820.	27.5	73
115	DNA Strand Exchange Stimulated by Spontaneous Complex Formation with Cationic Comb-Type Copolymer. Journal of the American Chemical Society, 2002, 124, 12676-12677.	13.7	85
116	A double-strand decoy DNA oligomer for NF- $\kappa$ B inhibits TNF $\alpha$ -induced ICAM-1 expression in sinusoidal endothelial cells. Biochemical and Biophysical Research Communications, 2002, 298, 10-16.	2.1	19
117	An Intelligent MRI Contrast Agent for Tumor Sensing. Academic Radiology, 2002, 9, S109-S111.	2.5	3
118	Bi-phasic polycation for the DNA carrier responding to endosomal pH. Colloids and Surfaces B: Biointerfaces, 2001, 22, 183-191.	5.0	9
119	Design of polymer materials enhancing nucleotide hybridization for anti-gene technology. Advanced Drug Delivery Reviews, 2001, 52, 227-233.	13.7	8
120	Receptor-mediated cell modulator delivery to hepatocyte using nanoparticles coated with carbohydrate-carrying polymers. Biomaterials, 2000, 22, 45-51.	11.4	64
121	Mechanism of Intermolecular Purine-Purine-Pyrimidine Triple Helix Stabilization by Comb-Type Polylysine Graft Copolymer at Physiologic Potassium Concentration. Bioconjugate Chemistry, 2000, 11, 520-526.	3.6	11
122	Poly(l-lysine)-graft-dextran Copolymer Promotes Pyrimidine Motif Triplex DNA Formation at Physiological pH. Journal of Biological Chemistry, 1999, 274, 6161-6167.	3.4	60
123	Design of multi-functional nanoparticles as a DNA carrier. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 1999, 153, 439-443.	4.7	11
124	Polycation comb-type copolymer reduces counterion condensation effect to stabilize DNA duplex and triplex formation. Colloids and Surfaces B: Biointerfaces, 1999, 16, 273-280.	5.0	33
125	Targeted gene transfer to sinusoidal endothelial cells and expression in vivo. Transplantation Proceedings, 1999, 31, 790-791.	0.6	7
126	Comb-Type Prepolymers Consisting of a Polyacrylamide Backbone and Poly(l-lysine) Graft Chains for Multivalent Ligands. Bioconjugate Chemistry, 1999, 10, 246-253.	3.6	8



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127	Terplex DNA delivery system as a gene carrier. Pharmaceutical Research, 1998, 15, 116-121.	3.5	61
128	Comb-Type Copolymer: Stabilization of Triplex DNA and Possible Application in Antigene Strategy. Journal of Pharmaceutical Sciences, 1998, 87, 1400-1405.	3.3	23
129	A new non-viral DNA delivery vector: the terplex system. Journal of Controlled Release, 1998, 53, 175-182.	9.9	92
130	Characterization of Interpolyelectrolyte Complexes between Double-Stranded DNA and Polylysine Comb-Type Copolymers Having Hydrophilic Side Chains. Bioconjugate Chemistry, 1998, 9, 292-299.	3.6	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. Bioconjugate Chemistry, 1998, 9, 476-481.	3.6	122
132	Coated Antireceptor Antibody as an Extracellular Matrix for Liver Tissue Engineering. Tissue Engineering, 1997, 3, 281-288.	4.6	7
133	Design of Comb-Type Polyamine Copolymers for a Novel pH-Sensitive DNA Carrier. Bioconjugate Chemistry, 1997, 8, 833-838.	3.6	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	3.6	137
135	Comb-Type Polycations Effectively Stabilize DNA Triplex. Bioconjugate Chemistry, 1997, 8, 3-6.	3.6	139
136	In vitro gene expression on smooth muscle cells using a terplex delivery system. Journal of Controlled Release, 1997, 47, 51-59.	9.9	43
137	Simple preparation of nanoparticles coated with carbohydrate-carrying polymers. Biomaterials, 1997, 18, 323-326.	11.4	31
138	Cellular distribution of polymer particles bearing various densities of carbohydrate ligands. Journal of Biomaterials Science, Polymer Edition, 1995, 6, 463-479.	3.5	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. Journal of Biomaterials Science, Polymer Edition, 1995, 6, 149-168.	3.5	17
140	Preparation of nanoparticles bearing high density carbohydrate chains using carbohydrate-carrying polymers as emulsifier. Biomaterials, 1994, 15, 1035-1042.	11.4	45
141	Attempt to Control Sequence of Branched Polysaccharide with Enzymatic Hydrolysis and/or Copolymerization. Polymer Journal, 1993, 25, 373-378.	2.7	6
142	A new synthetic hypoglycaemic polysaccharide. Biochemical and Biophysical Research Communications, 1992, 188, 16-19.	2.1	19
143	Thermo-responsive swelling and drug release switching of interpenetrating polymer networks composed of poly(acrylamide-co-butyl methacrylate) and poly (acrylic acid). Journal of Controlled Release, 1991, 16, 215-227.	9.9	222
144	Controlled drug release from polyether poly(urethane urea).. Kobunshi Ronbunshu, 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. Biomaterials, 1989, 10, 291-298.	11.4	11
146	Change in cytoplasmic free Ca <sup>2+</sup> concentration in rabbit platelets contacting with albumin coated and uncoated polystyrene surfaces. Biomaterials, 1989, 10, 309-312.	11.4	11
147	Permselectivity of partially imidized poly(amic acid) membranes for water-ethanol mixtures.. Kobunshi Ronbunshu, 1989, 46, 445-449.	0.2	1
148	Separation of B- and T-lymphocytes by cellular adsorption chromatography using poly(2-hydroxyethyl) Tj ETQqO O O rgBT /Overlock 10 T Research Part B, 1988, 22, 555-571.	3.1	24
149	Quantitative evaluation of rat lymphocyte adsorption on microdomain structured surfaces of poly(2-hydroxyethyl methacrylate)/ polyamine. Biomaterials, 1988, 9, 471-481.	11.4	18
150	Immunoaffinity chromatography of lymphocyte subpopulations using tert-amine derived matrices with adsorbed antibodies. Biomaterials, 1988, 9, 218-224.	11.4	33
151	A Polyamine Macromonomer Having Controlled Molecular Weight”Synthesis and Mechanism”. Polymer Journal, 1987, 19, 593-601.	2.7	19
152	Differential retention of lymphocyte subpopulations (B and T cells) on the microphase separated surface of polystyrene/polyamine graft copolymers. European Polymer Journal, 1983, 19, 979-984.	5.4	45