

Nobuhiro Nishiyama

List of Publications by Year in Descending Order

Source: <https://exaly.com/author-pdf/5691704/nobuhiro-nishiyama-publications-by-year.pdf>
Version: 2024-04-09

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.
The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

166 papers	18,160 citations	76 h-index	133 g-index
168 ext. papers	19,412 ext. citations	11.2 avg, IF	6.38 L-index

#	Paper	IF	Citations
166	Polymeric Iron Chelators Enhancing Pro-Oxidant Antitumor Efficacy of Vitamin C by Inhibiting the Extracellular Fenton Reaction. <i>Molecular Pharmaceutics</i> , 2021 , 18, 4475-4485	5.6	1
165	Sequentially Self-Assembled Nanoreactor Comprising Tannic Acid and Phenylboronic Acid-Conjugated Polymers Inducing Tumor-Selective Enzymatic Activity. <i>ACS Applied Materials & Interfaces</i> , 2021 , 13, 54850-54859	9.5	0
164	Iron chelation cancer therapy using hydrophilic block copolymers conjugated with deferoxamine. <i>Cancer Science</i> , 2021 , 112, 410-421	6.9	10
163	Systemically Applicable Glutamine-Functionalized Polymer Exerting Multivalent Interaction with Tumors Overexpressing ASCT2.. <i>ACS Applied Bio Materials</i> , 2021 , 4, 7402-7407	4.1	0
162	Nanoprobe-Based Magnetic Resonance Imaging of Hypoxia Predicts Responses to Radiotherapy, Immunotherapy, and Sensitizing Treatments in Pancreatic Tumors. <i>ACS Nano</i> , 2021 ,	16.7	10
161	Ring-Fused Firefly Luciferins: Expanded Palette of Near-Infrared Emitting Bioluminescent Substrates. <i>Analytical Chemistry</i> , 2020 , 92, 4235-4243	7.8	18
160	Poly(vinyl alcohol) boosting therapeutic potential of -boronophenylalanine in neutron capture therapy by modulating metabolism. <i>Science Advances</i> , 2020 , 6, eaaz1722	14.3	36
159	Photodynamic therapy using LCST polymers exerting pH-responsive isothermal phase transition. <i>Journal of Controlled Release</i> , 2020 , 328, 608-616	11.7	7
158	Pyruvate Responsiveness Based on Oxohydrazone Formation for Intracellular siRNA Release from Polyion Complex-Based Carriers. <i>Biomacromolecules</i> , 2019 , 20, 2305-2314	6.9	4
157	Poly(N-isopropylacrylamide)-Based Polymer-Inducing Isothermal Hydrophilic-to-Hydrophobic Phase Transition via Detachment of Hydrophilic Acid-Labile Moiety. <i>Biomacromolecules</i> , 2019 , 20, 1493-1504	6.9	8
156	An Ethylenediamine-based Switch to Render the Polyzwitterion Cationic at Tumorous pH for Effective Tumor Accumulation of Coated Nanomaterials. <i>Angewandte Chemie - International Edition</i> , 2018 , 57, 5057-5061	16.4	23
155	Design of drug delivery systems for physical energy-induced chemical surgery. <i>Biomaterials</i> , 2018 , 178, 583-596	15.6	11
154	An Ethylenediamine-based Switch to Render the Polyzwitterion Cationic at Tumorous pH for Effective Tumor Accumulation of Coated Nanomaterials. <i>Angewandte Chemie</i> , 2018 , 130, 5151-5155	3.6	3
153	Epirubicin-loaded polymeric micelles effectively treat axillary lymph nodes metastasis of breast cancer through selective accumulation and pH-triggered drug release. <i>Journal of Controlled Release</i> , 2018 , 292, 130-140	11.7	37
152	Effect of multiple cyclic RGD peptides on tumor accumulation and intratumoral distribution of IRDye 700DX-conjugated polymers. <i>Scientific Reports</i> , 2018 , 8, 8126	4.9	18
151	cRGD peptide-installed epirubicin-loaded polymeric micelles for effective targeted therapy against brain tumors. <i>Journal of Controlled Release</i> , 2017 , 258, 56-66	11.7	84
150	Block copolymer-boron cluster conjugate for effective boron neutron capture therapy of solid tumors. <i>Journal of Controlled Release</i> , 2017 , 254, 1-9	11.7	55

149	Functional polymer-based siRNA delivery carrier that recognizes site-specific biosignals. <i>Journal of Controlled Release</i> , 2017 , 267, 90-99	11.7	12
148	Engineering Tumour Cell-Binding Synthetic Polymers with Sensing Dense Transporters Associated with Aberrant Glutamine Metabolism. <i>Scientific Reports</i> , 2017 , 7, 6077	4.9	7
147	Sonodynamic Therapy Based on Combined Use of Low Dose Administration of Epirubicin-Incorporating Drug Delivery System and Focused Ultrasound. <i>Ultrasound in Medicine and Biology</i> , 2017 , 43, 2295-2301	3.5	18
146	cRGD peptide installation on cisplatin-loaded nanomedicines enhances efficacy against locally advanced head and neck squamous cell carcinoma bearing cancer stem-like cells. <i>Journal of Controlled Release</i> , 2017 , 261, 275-286	11.7	24
145	Utility of the 2-Nitrobenzenesulfonamide Group as a Chemical Linker for Enhanced Extracellular Stability and Cytosolic Cleavage in siRNA-Conjugated Polymer Systems. <i>ChemMedChem</i> , 2017 , 12, 19-22	3.7	6
144	Silencing PRDM14 expression by an innovative RNAi therapy inhibits stemness, tumorigenicity, and metastasis of breast cancer. <i>Oncotarget</i> , 2017 , 8, 46856-46874	3.3	24
143	Systemically Injectable Enzyme-Loaded Polyion Complex Vesicles as In Vivo Nanoreactors Functioning in Tumors. <i>Angewandte Chemie - International Edition</i> , 2016 , 55, 560-5	16.4	111
142	Influence of RNA Strand Rigidity on Polyion Complex Formation with Block Cationomers. <i>Macromolecular Rapid Communications</i> , 2016 , 37, 486-93	4.8	54
141	In vivo evaluation of neutron capture therapy effectivity using calcium phosphate-based nanoparticles as Gd-DTPA delivery agent. <i>Journal of Cancer Research and Clinical Oncology</i> , 2016 , 142, 767-75	4.9	31
140	siRNA-Loaded Polyion Complex Micelle Decorated with Charge-Conversional Polymer Tuned to Undergo Stepwise Response to Intra-Tumoral and Intra-Endosomal pHs for Exerting Enhanced RNAi Efficacy. <i>Biomacromolecules</i> , 2016 , 17, 246-55	6.9	40
139	Vascular bursts enhance permeability of tumour blood vessels and improve nanoparticle delivery. <i>Nature Nanotechnology</i> , 2016 , 11, 533-538	28.7	253
138	Synthetic Polyamines to Regulate mRNA Translation through the Preservative Binding of Eukaryotic Initiation Factor 4E to the Cap Structure. <i>Journal of the American Chemical Society</i> , 2016 , 138, 1478-81	16.4	28
137	Calcium phosphate-based organic-inorganic hybrid nanocarriers with pH-responsive on/off switch for photodynamic therapy. <i>Biomaterials Science</i> , 2016 , 4, 826-38	7.4	51
136	Systemic delivery of siRNA by actively targeted polyion complex micelles for silencing the E6 and E7 human papillomavirus oncogenes. <i>Journal of Controlled Release</i> , 2016 , 231, 29-37	11.7	37
135	Intracellular Delivery of Charge-Converted Monoclonal Antibodies by Combinatorial Design of Block/Homo Polyion Complex Micelles. <i>Biomacromolecules</i> , 2016 , 17, 446-53	6.9	55
134	Macromol. Rapid Commun. 6/2016. <i>Macromolecular Rapid Communications</i> , 2016 , 37, 560-560	4.8	
133	A pH-activatable nanoparticle with signal-amplification capabilities for non-invasive imaging of tumour malignancy. <i>Nature Nanotechnology</i> , 2016 , 11, 724-30	28.7	314
132	Eradication of CD44-variant positive population in head and neck tumors through controlled intracellular navigation of cisplatin-loaded nanomedicines. <i>Journal of Controlled Release</i> , 2016 , 230, 26-33	11.7	13

131	Nanomedicines Eradicating Cancer Stem-like Cells in Vivo by pH-Triggered Intracellular Cooperative Action of Loaded Drugs. <i>ACS Nano</i> , 2016 , 10, 5643-55	16.7	56
130	Development of polymeric micelles for targeting intractable cancers. <i>Cancer Science</i> , 2016 , 107, 867-74	6.9	126
129	Enhanced efficacy against cervical carcinomas through polymeric micelles physically incorporating the proteasome inhibitor MG132. <i>Cancer Science</i> , 2016 , 107, 773-81	6.9	12
128	Effect of Knockout of Mdr1a and Mdr1b ABCB1 Genes on the Systemic Exposure of a Doxorubicin-Conjugated Block Copolymer in Mice. <i>Molecular Pharmaceutics</i> , 2015 , 12, 3175-83	5.6	3
127	Systemic Targeting of Lymph Node Metastasis through the Blood Vascular System by Using Size-Controlled Nanocarriers. <i>ACS Nano</i> , 2015 , 9, 4957-67	16.7	94
126	General considerations regarding the in vitro and in vivo properties of block copolymer micelle products and their evaluation. <i>Journal of Controlled Release</i> , 2015 , 210, 76-83	11.7	52
125	Polymeric Micelle Platform for Multimodal Tomographic Imaging to Detect Scirrhou Gastric Cancer. <i>ACS Biomaterials Science and Engineering</i> , 2015 , 1, 1067-1076	5.5	18
124	cRGD-installed polymeric micelles loading platinum anticancer drugs enable cooperative treatment against lymph node metastasis. <i>Journal of Controlled Release</i> , 2015 , 220, 783-91	11.7	27
123	Antibody fragment-conjugated polymeric micelles incorporating platinum drugs for targeted therapy of pancreatic cancer. <i>Biomaterials</i> , 2015 , 39, 23-30	15.6	114
122	Enteral siRNA delivery technique for therapeutic gene silencing in the liver via the lymphatic route. <i>Scientific Reports</i> , 2015 , 5, 17035	4.9	25
121	Block copolymer hybrid calcium phosphate micelles for cancer diagnosis and neutron capture therapy. <i>Journal of Controlled Release</i> , 2015 , 213, e88	11.7	3
120	Hybrid Calcium Phosphate-Polymeric Micelles Incorporating Gadolinium Chelates for Imaging-Guided Gadolinium Neutron Capture Tumor Therapy. <i>ACS Nano</i> , 2015 , 9, 5913-21	16.7	103
119	Density-tunable conjugation of cyclic RGD ligands with polyion complex vesicles for the neovascular imaging of orthotopic glioblastomas. <i>Science and Technology of Advanced Materials</i> , 2015 , 16, 035004	7.1	27
118	Multifunctional polyion complex micelle featuring enhanced stability, targetability, and endosome escapability for systemic siRNA delivery to subcutaneous model of lung cancer. <i>Drug Delivery and Translational Research</i> , 2014 , 4, 50-60	6.2	39
117	Elucidating the molecular mechanism for the intracellular trafficking and fate of block copolymer micelles and their components. <i>Biomaterials</i> , 2014 , 35, 1347-58	15.6	19
116	Multicompartment micelles with adjustable poly(ethylene glycol) shell for efficient in vivo photodynamic therapy. <i>ACS Nano</i> , 2014 , 8, 1161-72	16.7	70
115	Polyion complex vesicles for photoinduced intracellular delivery of amphiphilic photosensitizer. <i>Journal of the American Chemical Society</i> , 2014 , 136, 157-63	16.4	153
114	Light-induced cytosolic activation of reduction-sensitive camptothecin-loaded polymeric micelles for spatiotemporally controlled in vivo chemotherapy. <i>ACS Nano</i> , 2014 , 8, 11591-602	16.7	86

113	Bioresponsive polymer-based nucleic acid carriers. <i>Advances in Genetics</i> , 2014 , 88, 289-323	3.3	16
112	Precise engineering of siRNA delivery vehicles to tumors using polyion complexes and gold nanoparticles. <i>ACS Nano</i> , 2014 , 8, 8979-91	16.7	109
111	Modulated protonation of side chain aminoethylene repeats in N-substituted polyaspartamides promotes mRNA transfection. <i>Journal of the American Chemical Society</i> , 2014 , 136, 12396-405	16.4	96
110	Actively-targeted polyion complex micelles stabilized by cholesterol and disulfide cross-linking for systemic delivery of siRNA to solid tumors. <i>Biomaterials</i> , 2014 , 35, 7887-95	15.6	99
109	Polymeric micelles loaded with platinum anticancer drugs target preangiogenic micrometastatic niches associated with inflammation. <i>Journal of Controlled Release</i> , 2014 , 189, 1-10	11.7	39
108	Hydrothermally synthesized PEGylated calcium phosphate nanoparticles incorporating Gd-DTPA for contrast enhanced MRI diagnosis of solid tumors. <i>Journal of Controlled Release</i> , 2014 , 174, 63-71	11.7	90
107	Three-layered polyplex micelle as a multifunctional nanocarrier platform for light-induced systemic gene transfer. <i>Nature Communications</i> , 2014 , 5, 3545	17.4	155
106	Bundled assembly of helical nanostructures in polymeric micelles loaded with platinum drugs enhancing therapeutic efficiency against pancreatic tumor. <i>ACS Nano</i> , 2014 , 8, 6724-38	16.7	121
105	Selective intracellular delivery of proteasome inhibitors through pH-sensitive polymeric micelles directed to efficient antitumor therapy. <i>Journal of Controlled Release</i> , 2014 , 188, 67-77	11.7	56
104	Fine-tuning of charge-conversion polymer structure for efficient endosomal escape of siRNA-loaded calcium phosphate hybrid micelles. <i>Macromolecular Rapid Communications</i> , 2014 , 35, 1211-15	4.8	39
103	siRNA delivery from triblock copolymer micelles with spatially-ordered compartments of PEG shell, siRNA-loaded intermediate layer, and hydrophobic core. <i>Biomaterials</i> , 2014 , 35, 4548-56	15.6	71
102	Systemic siRNA delivery to a spontaneous pancreatic tumor model in transgenic mice by PEGylated calcium phosphate hybrid micelles. <i>Journal of Controlled Release</i> , 2014 , 178, 18-24	11.7	94
101	Phenylboronic acid-installed polymeric micelles for targeting sialylated epitopes in solid tumors. <i>Journal of the American Chemical Society</i> , 2013 , 135, 15501-7	16.4	237
100	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, 8583-92	16.7	340
99	Acidic pH-responsive siRNA conjugate for reversible carrier stability and accelerated endosomal escape with reduced IFN γ -associated immune response. <i>Angewandte Chemie - International Edition</i> , 2013 , 52, 6218-21	16.4	90
98	SPIO-PICsome: development of a highly sensitive and stealth-capable MRI nano-agent for tumor detection using SPIO-loaded unilamellar polyion complex vesicles (PICsomes). <i>Journal of Controlled Release</i> , 2013 , 169, 220-7	11.7	49
97	Gd-DTPA-loaded polymer-metal complex micelles with high relaxivity for MR cancer imaging. <i>Biomaterials</i> , 2013 , 34, 492-500	15.6	94
96	Silica nanogelling of environment-responsive PEGylated polyplexes for enhanced stability and intracellular delivery of siRNA. <i>Biomaterials</i> , 2013 , 34, 562-70	15.6	28

95	Targeted therapy of spontaneous murine pancreatic tumors by polymeric micelles prolongs survival and prevents peritoneal metastasis. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2013 , 110, 11397-402	11.5	81
94	Transcription factor YY1 contributes to tumor growth by stabilizing hypoxia factor HIF-1 in a p53-independent manner. <i>Cancer Research</i> , 2013 , 73, 1787-99	10.1	54
93	Evaluation of intracellular trafficking and clearance from HeLa cells of doxorubicin-bound block copolymers. <i>International Journal of Pharmaceutics</i> , 2012 , 423, 401-9	6.5	25
92	Enhanced stability and gene silencing ability of siRNA-loaded polyion complexes formulated from polyaspartamide derivatives with a repetitive array of amino groups in the side chain. <i>Biomaterials</i> , 2012 , 33, 2770-9	15.6	71
91	Micellization of cisplatin (NC-6004) reduces its ototoxicity in guinea pigs. <i>Journal of Controlled Release</i> , 2012 , 157, 112-7	11.7	63
90	Polymeric micelles incorporating (1,2-diaminocyclohexane)platinum (II) suppress the growth of orthotopic scirrhous gastric tumors and their lymph node metastasis. <i>Journal of Controlled Release</i> , 2012 , 159, 189-96	11.7	64
89	Effective transgene expression without toxicity by intraperitoneal administration of PEG-detachable polyplex micelles in mice with peritoneal dissemination. <i>Journal of Controlled Release</i> , 2012 , 160, 542-51	11.7	21
88	Pancreatic cancer therapy by systemic administration of VEGF siRNA contained in calcium phosphate/charge-conversional polymer hybrid nanoparticles. <i>Journal of Controlled Release</i> , 2012 , 161, 868-74	11.7	90
87	Rational design of smart supramolecular assemblies for gene delivery: chemical challenges in the creation of artificial viruses. <i>Chemical Society Reviews</i> , 2012 , 41, 2562-74	58.5	379
86	Smart multilayered assembly for biocompatible siRNA delivery featuring dissolvable silica, endosome-disrupting polycation, and detachable PEG. <i>ACS Nano</i> , 2012 , 6, 6693-705	16.7	85
85	PEG-detachable cationic polyaspartamide derivatives bearing stearyl moieties for systemic siRNA delivery toward subcutaneous BxPC3 pancreatic tumor. <i>Journal of Drug Targeting</i> , 2012 , 20, 33-42	5.4	34
84	Dual environment-responsive polyplex carriers for enhanced intracellular delivery of plasmid DNA. <i>Biomacromolecules</i> , 2012 , 13, 3641-9	6.9	54
83	Accelerated polymer-polymer click conjugation by freeze-thaw treatment. <i>Bioconjugate Chemistry</i> , 2012 , 23, 1503-6	6.3	29
82	Bioactive polymeric metallosomes self-assembled through block copolymer-metal complexation. <i>Journal of the American Chemical Society</i> , 2012 , 134, 13172-5	16.4	73
81	A novel homogeneous irradiation fiber probe for whole bladder wall photodynamic therapy. <i>Lasers in Surgery and Medicine</i> , 2012 , 44, 413-20	3.6	10
80	Targeted polymeric micelles for siRNA treatment of experimental cancer by intravenous injection. <i>ACS Nano</i> , 2012 , 6, 5174-89	16.7	167
79	Accumulation of sub-100 nm polymeric micelles in poorly permeable tumours depends on size. <i>Nature Nanotechnology</i> , 2011 , 6, 815-23	28.7	1773
78	Effect of polymer structure on micelles formed between siRNA and cationic block copolymer comprising thiols and amidines. <i>Biomacromolecules</i> , 2011 , 12, 3174-85	6.9	82

77	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> , 2011 , 133, 15524-32	16.4	175
76	Improving drug potency and efficacy by nanocarrier-mediated subcellular targeting. <i>Science Translational Medicine</i> , 2011 , 3, 64ra2	17.5	204
75	Gene transfer using micellar nanovectors inhibits choroidal neovascularization in vivo. <i>PLoS ONE</i> , 2011 , 6, e28560	3.7	13
74	Gene transfer using micellar nanovectors inhibits corneal neovascularization in vivo. <i>Cornea</i> , 2011 , 30, 1423-7	3.1	16
73	Antiangiogenic gene therapy of experimental pancreatic tumor by sFlt-1 plasmid DNA carried by RGD-modified crosslinked polyplex micelles. <i>Journal of Controlled Release</i> , 2011 , 149, 51-7	11.7	79
72	In situ quantitative monitoring of polyplexes and polyplex micelles in the blood circulation using intravital real-time confocal laser scanning microscopy. <i>Journal of Controlled Release</i> , 2011 , 151, 104-9	11.7	103
71	Dendrimer phthalocyanine-encapsulated polymeric micelle-mediated photochemical internalization extends the efficacy of photodynamic therapy and overcomes drug-resistance in vivo. <i>Journal of Controlled Release</i> , 2011 , 155, 458-64	11.7	117
70	Disulfide crosslinked polyion complex micelles encapsulating dendrimer phthalocyanine directed to improved efficiency of photodynamic therapy. <i>Journal of Controlled Release</i> , 2011 , 155, 449-57	11.7	59
69	Effect of integrin targeting and PEG shielding on polyplex micelle internalization studied by live-cell imaging. <i>Journal of Controlled Release</i> , 2011 , 156, 364-73	11.7	39
68	Supramolecular nanodevices: from design validation to theranostic nanomedicine. <i>Accounts of Chemical Research</i> , 2011 , 44, 999-1008	24.3	248
67	Polyplex micelles prepared from β -cholesteryl PEG-polycation block copolymers for systemic gene delivery. <i>Biomaterials</i> , 2011 , 32, 652-63	15.6	96
66	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, 3106-14	15.6	143
65	Delivering the code: polyplex carriers for deoxyribonucleic acid and ribonucleic acid interference therapies. <i>Endocrinology</i> , 2010 , 151, 466-73	4.8	61
64	siRNA-based therapy ameliorates glomerulonephritis. <i>Journal of the American Society of Nephrology: JASN</i> , 2010 , 21, 622-33	12.7	69
63	Visible drug delivery by supramolecular nanocarriers directing to single-platformed diagnosis and therapy of pancreatic tumor model. <i>Cancer Research</i> , 2010 , 70, 7031-41	10.1	119
62	Direct and instantaneous observation of intravenously injected substances using intravital confocal micro-videography. <i>Biomedical Optics Express</i> , 2010 , 1, 1209-1216	3.5	54
61	Antiangiogenic gene therapy of solid tumor by systemic injection of polyplex micelles loading plasmid DNA encoding soluble Flt-1. <i>Molecular Pharmaceutics</i> , 2010 , 7, 501-9	5.6	58
60	Enhanced transfection with silica-coated polyplexes loading plasmid DNA. <i>Biomaterials</i> , 2010 , 31, 4764-70	15.6	29

59	Polyion complex stability and gene silencing efficiency with a siRNA-grafted polymer delivery system. <i>Biomaterials</i> , 2010 , 31, 8097-105	15.6	111
58	Introduction of stearyl moieties into a biocompatible cationic polyaspartamide derivative, PAsp(DET), with endosomal escaping function for enhanced siRNA-mediated gene knockdown. <i>Journal of Controlled Release</i> , 2010 , 145, 141-8	11.7	105
57	Efficient delivery of bioactive antibodies into the cytoplasm of living cells by charge-conversional polyion complex micelles. <i>Angewandte Chemie - International Edition</i> , 2010 , 49, 2552-5	16.4	160
56	Enhanced in vivo Magnetic Resonance Imaging of Tumors by PEGylated Iron-Oxide-Gold Core-Shell Nanoparticles with Prolonged Blood Circulation Properties. <i>Macromolecular Rapid Communications</i> , 2010 , 31, 1521-8	4.8	75
55	Enhanced percolation and gene expression in tumor hypoxia by PEGylated polyplex micelles. <i>Molecular Therapy</i> , 2009 , 17, 1404-10	11.7	28
54	Enhanced photodynamic cancer treatment by supramolecular nanocarriers charged with dendrimer phthalocyanine. <i>Journal of Controlled Release</i> , 2009 , 133, 245-51	11.7	128
53	Enhanced magnetic resonance imaging of experimental pancreatic tumor in vivo by block copolymer-coated magnetite nanoparticles with TGF-beta inhibitor. <i>Journal of Controlled Release</i> , 2009 , 140, 306-11	11.7	56
52	PEGylated Calcium Phosphate Nanocomposites as Smart Environment-Sensitive Carriers for siRNA Delivery. <i>Advanced Materials</i> , 2009 , 21, 3520-3525	24	86
51	Charge-conversional polyionic complex micelles-efficient nanocarriers for protein delivery into cytoplasm. <i>Angewandte Chemie - International Edition</i> , 2009 , 48, 5309-12	16.4	271
50	A photo-activated targeting chemotherapy using glutathione sensitive camptothecin-loaded polymeric micelles. <i>Pharmaceutical Research</i> , 2009 , 26, 82-92	4.5	64
49	3D spheroid culture system on micropatterned substrates for improved differentiation efficiency of multipotent mesenchymal stem cells. <i>Biomaterials</i> , 2009 , 30, 2705-15	15.6	266
48	Design and development of dendrimer photosensitizer-incorporated polymeric micelles for enhanced photodynamic therapy. <i>Advanced Drug Delivery Reviews</i> , 2009 , 61, 327-38	18.5	225
47	Intratracheal gene transfer of adrenomedullin using polyplex nanomicelles attenuates monocrotaline-induced pulmonary hypertension in rats. <i>Molecular Therapy</i> , 2009 , 17, 1180-6	11.7	55
46	Environment-responsive block copolymer micelles with a disulfide cross-linked core for enhanced siRNA delivery. <i>Biomacromolecules</i> , 2009 , 10, 119-27	6.9	276
45	Polyplex micelles with cyclic RGD peptide ligands and disulfide cross-links directing to the enhanced transfection via controlled intracellular trafficking. <i>Molecular Pharmaceutics</i> , 2008 , 5, 1080-92	5.6	124
44	PEG-detachable polyplex micelles based on disulfide-linked block cationomers as bioresponsive nonviral gene vectors. <i>Journal of the American Chemical Society</i> , 2008 , 130, 6001-9	16.4	377
43	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> , 2008 , 130, 16287-94	16.4	286
42	Enhancement of angiogenesis through stabilization of hypoxia-inducible factor-1 by silencing prolyl hydroxylase domain-2 gene. <i>Molecular Therapy</i> , 2008 , 16, 1227-34	11.7	36

41	Photodynamic therapy for corneal neovascularization using polymeric micelles encapsulating dendrimer porphyrins. <i>Investigative Ophthalmology and Visual Science</i> , 2008 , 49, 894-9		40
40	Polyplex micelles from triblock copolymers composed of tandemly aligned segments with biocompatible, endosomal escaping, and DNA-condensing functions for systemic gene delivery to pancreatic tumor tissue. <i>Pharmaceutical Research</i> , 2008 , 25, 2924-36	4.5	43
39	Cyclic RGD peptide-conjugated polyplex micelles as a targetable gene delivery system directed to cells possessing alphavbeta3 and alphavbeta5 integrins. <i>Bioconjugate Chemistry</i> , 2007 , 18, 1415-23	6.3	164
38	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, 146-55	11.7	144
37	PEG-based block cationomers possessing DNA anchoring and endosomal escaping functions to form polyplex micelles with improved stability and high transfection efficacy. <i>Journal of Controlled Release</i> , 2007 , 122, 252-60	11.7	43
36	Gene delivery with biocompatible cationic polymer: pharmacogenomic analysis on cell bioactivity. <i>Biomaterials</i> , 2007 , 28, 5169-75	15.6	70
35	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, 3460-5	11.5	373
34	Supramolecular Assembly of Photofunctional Dendrimers for Biomedical Nano-Devices. <i>Supramolecular Chemistry</i> , 2007 , 19, 309-314	1.8	27
33	Biocompatible micellar nanovectors achieve efficient gene transfer to vascular lesions without cytotoxicity and thrombus formation. <i>Gene Therapy</i> , 2007 , 14, 1029-38	4	88
32	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, 1131-9	6.3	247
31	Dendrimer Generation Effects on Photodynamic Efficacy of Dendrimer Porphyrins and Dendrimer-Loaded Supramolecular Nanocarriers. <i>Chemistry of Materials</i> , 2007 , 19, 5557-5562	9.6	55
30	Supramolecular nanocarriers integrated with dendrimers encapsulating photosensitizers for effective photodynamic therapy and photochemical gene delivery. <i>New Journal of Chemistry</i> , 2007 , 31, 1074	3.6	70
29	Polyion complex micelles for photodynamic therapy: incorporation of dendritic photosensitizer excitable at long wavelength relevant to improved tissue-penetrating property. <i>Journal of Controlled Release</i> , 2006 , 113, 73-9	11.7	119
28	PEGylated gene nanocarriers based on block cationomers bearing ethylenediamine repeating units directed to remarkable enhancement of photochemical transfection. <i>Journal of Controlled Release</i> , 2006 , 115, 208-15	11.7	48
27	Photochemical enhancement of transgene expression by polymeric micelles incorporating plasmid DNA and dendrimer-based photosensitizer. <i>Journal of Drug Targeting</i> , 2006 , 14, 413-24	5.4	41
26	Smart polymeric micelles for gene and drug delivery. <i>Drug Discovery Today: Technologies</i> , 2005 , 2, 21-6	7.1	94
25	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> , 2005 , 16, 122-30	6.3	623
24	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, 2810-1	16.4	192

23	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> , 2005 , 127, 1624-5	16.4	427
22	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, 242-50		387
21	Nanotechnology-based photodynamic therapy for neovascular disease using a supramolecular nanocarrier loaded with a dendritic photosensitizer. <i>Nano Letters</i> , 2005 , 5, 2426-31	11.5	177
20	New drug delivery for corneal neovascularization using polyion complex micelles. <i>Cornea</i> , 2005 , 24, S39-S42	5.4	13
19	Cisplatin-incorporating polymeric micelles (NC-6004) can reduce nephrotoxicity and neurotoxicity of cisplatin in rats. <i>British Journal of Cancer</i> , 2005 , 93, 678-87	8.7	351
18	Light-induced gene transfer from packaged DNA enveloped in a dendrimeric photosensitizer. <i>Nature Materials</i> , 2005 , 4, 934-41	27	312
17	Preparation and biological properties of dichloro(1,2-diaminocyclohexane)platinum(II) (DACHPt)-loaded polymeric micelles. <i>Journal of Controlled Release</i> , 2005 , 101, 223-32	11.7	175
16	Freeze-dried formulations for in vivo gene delivery of PEGylated polyplex micelles with disulfide crosslinked cores to the liver. <i>Journal of Controlled Release</i> , 2005 , 109, 15-23	11.7	116
15	Supramolecular nanocarrier of anionic dendrimer porphyrins with cationic block copolymers modified with polyethylene glycol to enhance intracellular photodynamic efficacy. <i>Angewandte Chemie - International Edition</i> , 2005 , 44, 419-23	16.4	126
14	Gelatin hydrogel microspheres enable pinpoint delivery of basic fibroblast growth factor for the development of functional collateral vessels. <i>Circulation</i> , 2004 , 110, 3322-8	16.7	40
13	Lactose-conjugated polyion complex micelles incorporating plasmid DNA as a targetable gene vector system: their preparation and gene transfecting efficiency against cultured HepG2 cells. <i>Journal of Controlled Release</i> , 2004 , 95, 653-64	11.7	110
12	Supramolecular nanocarrier of siRNA from PEG-based block cationic polymer carrying diamine side chain with distinctive pKa directed to enhance intracellular gene silencing. <i>Journal of the American Chemical Society</i> , 2004 , 126, 13612-3	16.4	117
11	Block cationic polyplexes with regulated densities of charge and disulfide cross-linking directed to enhance gene expression. <i>Journal of the American Chemical Society</i> , 2004 , 126, 2355-61	16.4	356
10	Polyion complex micelles of pDNA with acetal-poly(ethylene glycol)-poly(2-(dimethylamino)ethyl methacrylate) block copolymer as the gene carrier system: physicochemical properties of micelles relevant to gene transfection efficacy. <i>Biomacromolecules</i> , 2004 , 5, 2128-36	6.9	75
9	Polyion complex micelles entrapping cationic dendrimer porphyrin: effective photosensitizer for photodynamic therapy of cancer. <i>Journal of Controlled Release</i> , 2003 , 93, 141-50	11.7	149
8	Light-harvesting ionic dendrimer porphyrins as new photosensitizers for photodynamic therapy. <i>Bioconjugate Chemistry</i> , 2003 , 14, 58-66	6.3	146
7	pH-sensitive Assembly of Light-Harvesting Dendrimer Zinc Porphyrin Bearing Peripheral Groups of Primary Amine with Poly(ethylene glycol)-b-poly(aspartic acid) in Aqueous Solution. <i>Macromolecules</i> , 2003 , 36, 1304-1309	5.5	55
6	Differential gene expression profile between PC-14 cells treated with free cisplatin and cisplatin-incorporated polymeric micelles. <i>Bioconjugate Chemistry</i> , 2003 , 14, 449-57	6.3	43

5	Cisplatin-loaded polymer-metal complex micelle with time-modulated decaying property as a novel drug delivery system. <i>Pharmaceutical Research</i> , 2001 , 18, 1035-41	4.5	152
4	Cisplatin-incorporated polymeric micelles eliminate nephrotoxicity, while maintaining antitumor activity. <i>Japanese Journal of Cancer Research</i> , 2001 , 92, 328-36		81
3	Preparation and characterization of size-controlled polymeric micelle containing cis-dichlorodiammineplatinum(II) in the core. <i>Journal of Controlled Release</i> , 2001 , 74, 83-94	11.7	129
2	Polyion Complex Micelles Encapsulating Light-Harvesting Ionic Dendrimer Zinc Porphyrins. <i>Langmuir</i> , 2000 , 16, 8182-8188	4	97
1	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> , 1999 , 15, 377-383	4	219