Ernst Wagner

List of Publications by Year
in descending order

478 papers	35,824 citations	3515 90 h-index	4978 167 g-index
516 all docs	516 docs citations	516 times ranked	21813 citing authors

#	Article	IF	Citations
1	PEGylated DNA/transferrinâ€“PEI complexes: reduced interaction with blood components, extended circulation in blood and potential for systemic gene delivery. Gene Therapy, 1999, 6, 595-605.	2.3	1,168
2	Influenza virus hemagglutinin HA-2 N-terminal fusogenic peptides augment gene transfer by transferrin-polylysine-DNA complexes: toward a synthetic virus-like gene-transfer vehicle.. Proceedings of the National Academy of Sciences of the United States of America, 1992, 89, 7934-7938.	3.3	680
3	Transferrin-polycation conjugates as carriers for DNA uptake into cells.. Proceedings of the National Academy of Sciences of the United States of America, 1990, 87, 3410-3414.	3.3	678
4	Different behavior of branched and linear polyethylenimine for gene deliveryin vitro andin vivo. Journal of Gene Medicine, 2001, 3, 362-372.	1.4	665
5	Design and gene delivery activity of modified polyethylenimines. Advanced Drug Delivery Reviews, 2001, 53, 341-358.	6.6	641
6	The influence of endosome-disruptive peptides on gene transfer using synthetic virus-like gene transfer systems.. Journal of Biological Chemistry, 1994, 269, 12918-12924.	1.6	621
7	Activation of the Complement System by Synthetic DNA Complexes: A Potential Barrier for Intravenous Gene Delivery. Human Gene Therapy, 1996, 7, 1437-1446.	1.4	572
8	The size of DNA/transferrin-PEI complexes is an important factor for gene expression in cultured cells. Gene Therapy, 1998, 5, 1425-1433.	2.3	562
9	Transferrin-polycation-DNA complexes: the effect of polycations on the structure of the complex and DNA delivery to cells.. Proceedings of the National Academy of Sciences of the United States of America, 1991, 88, 4255-4259.	3.3	504
10	Nucleic Acid Therapeutics Using Polyplexes: A Journey of 50 Years (and Beyond). Chemical Reviews, 2015, 115, 11043-11078.	23.0	495
11	Cell cycle dependence of gene transfer by lipoplex, polyplex and recombinant adenovirus. Gene Therapy, 2000, 7, 401-407.	2.3	489
12	Polylysine-based transfection systems utilizing receptor-mediated delivery. Advanced Drug Delivery Reviews, 1998, 30, 97-113.	6.6	487
13	Coupling of adenovirus to transferrin-polylysine/DNA complexes greatly enhances receptor-mediated gene delivery and expression of transfected genes.. Proceedings of the National Academy of Sciences of the United States of America, 1992, 89, 6099-6103.	3.3	478
14	The influence of endosome-disruptive peptides on gene transfer using synthetic virus-like gene transfer systems. Journal of Biological Chemistry, 1994, 269, 12918-24.	1.6	463
15	Nomenclature for Synthetic Gene Delivery Systems. Human Gene Therapy, 1997, 8, 511-512.	1.4	444
16	Adenovirus enhancement of transferrin-polylysine-mediated gene delivery.. Proceedings of the National Academy of Sciences of the United States of America, 1991, 88, 8850-8854.	3.3	437
17	Purification of polyethylenimine polyplexes highlights the role of free polycations in gene transfer. Journal of Gene Medicine, 2004, 6, 1102-1111.	1.4	417
18	Simple Modifications of Branched PEI Lead to Highly Efficient siRNA Carriers with Low Toxicity. Bioconjugate Chemistry, 2008, 19, 1448-1455.	1.8	411

#	Article	IF	Citations
19	Polycation-based DNA complexes for tumor-targeted gene deliveryin vivo. Journal of Gene Medicine, 1999, 1, 111-120.	1.4	406
20	Coupling of cell-binding ligands to polyethylenimine for targeted gene delivery. Gene Therapy, 1997, 4, 409-418.	2.3	358
21	Polyethylenimine/DNA complexes shielded by transferrin target gene expression to tumors after systemic application. Gene Therapy, 2001, 8, 28-40.	2.3	346
22	Transferrin-polycation-mediated introduction of DNA into human leukemic cells: stimulation by agents that affect the survival of transfected DNA or modulate transferrin receptor levels.. Proceedings of the National Academy of Sciences of the United States of America, 1990, 87, 4033-4037.	3.3	337
23	Gene transfer into hepatocytes using asialoglycoprotein receptor mediated endocytosis of DNA complexed with an artificial tetra-antennary galactose ligand. Bioconjugate Chemistry, 1992, 3, 533-539.	1.8	334
24			

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37	High-Efficiency Gene Transfer Mediated by Adenovirus Coupled to DNAâ€“Polylysine Complexes. Human Gene Therapy, 1992, 3, 147-154.	1.4	231
38	Different Strategies for Formation of PEGylated EGF-Conjugated PEI/DNA Complexes for Targeted Gene Delivery. Bioconjugate Chemistry, 2001, 12, 529-537.	1.8	226
39	Mannose Polyethylenimine Conjugates for Targeted DNA Delivery into Dendritic Cells. Journal of Biological Chemistry, 1999, 274, 19087-19094.	1.6	225
40	Strategies to Improve DNA Polyplexes for in Vivo Gene Transfer: Will â€œArtificial Virusesâ€• Be the Answer?. Pharmaceutical Research, 2004, 21, 8-14.	1.7	218
41	Imparting Functionality to MOF Nanoparticles by External Surface Selective Covalent Attachment of Polymers. Chemistry of Materials, 2016, 28, 3318-3326.	3.2	218
42	Chemie von a-Aminonitrilen. Aldomerisierung von Glycolaldehyd-phosphat zu racemischen Hexose-2,4,6-triphosphaten und (in Gegenwart von Formaldehyd) racemischen Pentose-2,4-diphosphaten: rac-Allose-2,4,6-triphosphat und rac-Ribose-2,4-diphosphat sind die R. Helvetica Chimica Acta, 1990, 73, 1410-1468.	1.0	193
43	Application of membrane-active peptides for nonviral gene delivery. Advanced Drug Delivery Reviews, 1999, 38, 279-289.	6.6	188
44	An RGDâ€“Oligolysine Peptide: A Prototype Construct for Integrin-Mediated Gene Delivery. Human Gene Therapy, 1998, 9, 1037-1047.	1.4	184
45	DNA/polyethylenimine transfection particles: Influence of ligands, polymer size, and PEGylation on internalization and gene expression. AAPS PharmSci, 2001, 3, 43-53.	1.3	178
46	Application of membrane-active peptides for drug and gene delivery across cellular membranes. Advanced Drug Delivery Reviews, 1998, 34, 21-35.	6.6	172
47	Multifunctional Nanoparticles by Coordinative Self-Assembly of His-Tagged Units with Metalâ€“Organic Frameworks. Journal of the American Chemical Society, 2017, 139, 2359-2368.	6.6	171
48	Click Chemistry for High-Density Biofunctionalization of Mesoporous Silica. Journal of the American Chemical Society, 2008, 130, 12558-12559.	6.6	168
49	Synthesis and Biological Evaluation of a Bioresponsive and Endosomolytic siRNAâˆ'Polymer Conjugate. Molecular Pharmaceutics, 2009, 6, 752-762.	2.3	166
50	Solidâ€Phase Synthesis of Sequenceâ€Defined Tâ€, iâ€, and Uâ€Shape Polymers for pDNA and siRNA Delivery. Angewandte Chemie - International Edition, 2011, 50, 8986-8989.	7.2	161
51	Cellular Dynamics of EGF Receptorâ€“Targeted Synthetic Viruses. Molecular Therapy, 2007, 15, 1297-1305.	3.7	159
52	Targeting tumors with non-viral gene delivery systems. Drug Discovery Today, 2002, 7, 479-485.	3.2	153
53	Polyplex Evolution: Understanding Biology, Optimizing Performance. Molecular Therapy, 2017, 25, 1476-1490.	3.7	146
54	Tumor targeting with surface-shielded ligandâ€“polycation DNA complexes. Journal of Controlled Release, 2001, 72, 165-170.	4.8	142

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55	DNA-binding transferrin conjugates as functional gene-delivery agents: synthesis by linkage of polylysine or ethidium homodimer to the transferrin carbohydrate moiety. Bioconjugate Chemistry, 1991, 2, 226-231.	1.8	140
56	Multifunctional polymer-capped mesoporous silica nanoparticles for pH-responsive targeted drug delivery. Nanoscale, 2015, 7, 7953-7964.	2.8	134
57	Non-viral approaches to gene therapy. Current Opinion in Biotechnology, 1993, 4, 705-710.	3.3	132
58	Virus-mediated release of endosomal content in vitro: different behavior of adenovirus and rhinovirus serotype 2.. Journal of Cell Biology, 1995, 131, 111-123.	2.3	132
59	An Acetal-Based PEGylation Reagent for pH-Sensitive Shielding of DNA Polyplexes. Bioconjugate Chemistry, 2007, 18, 1218-1225.	1.8	132
60	Regulation of the Tissue Factor Promoter in Endothelial Cells. Journal of Biological Chemistry, 1995, 270, 3849-3857.	1.6	132
61	Bid-induced release of AIF from mitochondria causes immediate neuronal cell death. Cell Death and Differentiation, 2008, 15, 1553-1563.	5.0	131
62	Melittin analogs with high lytic activity at endosomal pH enhance transfection with purified targeted PEI polyplexes. Journal of Controlled Release, 2006, 112, 240-248.	4.8	127
63	Nanosized Multifunctional Polyplexes for Receptor-Mediated SiRNA Delivery. ACS Nano, 2012, 6, 5198-5208.	7.3	127
64	The Transport of Nanosized Gene Carriers Unraveled by Live-Cell Imaging. Angewandte Chemie - International Edition, 2006, 45, 1568-1572.	7.2	123
65	Programmed drug delivery: nanosystems for tumor targeting. Expert Opinion on Biological Therapy, 2007, 7, 587-593.	1.4	122
66	Immunotherapy of Metastatic Malignant Melanoma by a Vaccine Consisting of Autologous Interleukin 2-Transfected Cancer Cells: Outcome of a Phase I Study. Human Gene Therapy, 1999, 10, 983-993.	1.4	121
67	Lipopolysaccharide is a frequent contaminant of plasmid DNA preparations and can be toxic to primary human cells in the presence of adenovirus. Gene Therapy, 1994, 1, 239-46.	2.3	118
68	Photochemical Internalization: A New Tool for Drug Delivery. Current Pharmaceutical Biotechnology, 2007, 8, 362-372.	0.9	116
69	Fine-tuning of proton sponges by precise diaminoethanes and histidines in pDNA polyplexes. Nanomedicine: Nanotechnology, Biology, and Medicine, 2014, 10, 35-44.	1.7	116
70	Receptor-Mediated Gene Transfer into Human T Lymphocytes<i>via</i>Binding of DNA/CD3 Antibody Particles to the CD3 T Cell Receptor Complex. Human Gene Therapy, 1995, 6, 753-761.	1.4	114
71	Tuning Nanoparticle Uptake: Live-Cell Imaging Reveals Two Distinct Endocytosis Mechanisms Mediated by Natural and Artificial EGFR Targeting Ligand. Nano Letters, 2012, 12, 3417-3423.	4.5	111
72	Novel Fmoc-Polyamino Acids for Solid-Phase Synthesis of Defined Polyamidoamines. Organic Letters, 2011, 13, 1586-1589.	2.4	108

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73	Oligoethylenimine-grafted polypropylenimine dendrimers as degradable and biocompatible synthetic vectors for gene delivery. Journal of Controlled Release, 2008, 132, 131-140.	4.8	106
74	miR-200c Sensitizes Breast Cancer Cells to Doxorubicin Treatment by Decreasing TrkB and Bmi1 Expression. PLoS ONE, 2012, 7, e50469.	1.1	105
75	A Multistage Cooperative Nanoplatform Enables Intracellular Coâ€Delivery of Proteins and Chemotherapeutics for Cancer Therapy. Advanced Materials, 2020, 32, e2000013.	11.1	104
76	Gene Delivery Using Polymer Therapeutics. , 0, , 135-173.		103
77	[42] Receptor-mediated transport of DNA into eukaryotic cells. Methods in Enzymology, 1993, 217, 618-644.	0.4	102
78	Specific systemic nonviral gene delivery to human hepatocellular carcinoma xenografts in SCID mice. Hepatology, 2002, 36, 1106-1114.	3.6	102
79	Direct<i>In Vivo</i>Gene Transfer to Airway Epithelium Employing Adenovirusâ€"Polylysineâ€"DNA Complexes. Human Gene Therapy, 1993, 4, 17-24.	1.4	101
80	Structureâ€"activity relationships of siRNA carriers based on sequence-defined oligo (ethane amino) amides. Journal of Controlled Release, 2012, 160, 532-541.	4.8	101
81	Nitric oxideâ€"A novel therapeutic for cancer. Nitric Oxide - Biology and Chemistry, 2008, 19, 192-198.	1.2	100
82	NK-kappa B subunit-specific regulation of the I kappa B alpha promoter.. Journal of Biological Chemistry, 1994, 269, 13551-13557.	1.6	100
83	Efficient Gene Delivery into Human Dendritic Cells by Adenovirus Polyethylenimine and Mannose Polyethylenimine Transfection. Human Gene Therapy, 1999, 10, 775-786.	1.4	99
84	Epidermal Growth Factor Receptor-targeted 131I-therapy of Liver Cancer Following Systemic Delivery of the Sodium Iodide Symporter Gene. Molecular Therapy, 2011, 19, 676-685.	3.7	99
85	Defined Folate-PEG-siRNA Conjugates for Receptor-specific Gene Silencing. Molecular Therapy - Nucleic Acids, 2012, 1, e7.	2.3	98
86	Pyridylhydrazone-based PEGylation for pH-reversible lipopolyplex shielding. Biomaterials, 2011, 32, 858-869.	5.7	97
87	Highly efficient siRNA delivery from coreâ€"shell mesoporous silica nanoparticles with multifunctional polymer caps. Nanoscale, 2016, 8, 4007-4019.	2.8	97
88	Delayed neuronal death after brain trauma involves p53-dependent inhibition of NF-Î°B transcriptional activity. Cell Death and Differentiation, 2007, 14, 1529-1541.	5.0	96
89	Dual-targeted polyplexes: One step towards a synthetic virus for cancer gene therapy. Journal of Controlled Release, 2011, 152, 127-134.	4.8	96
90	Effects of membrane-active agents in gene delivery. Journal of Controlled Release, 1998, 53, 155-158.	4.8	95

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91	Degradable gene carriers based on oligomerized polyamines. European Journal of Pharmaceutical Sciences, 2006, 29, 414-425.	1.9	94
92	The V-ATPase-Inhibitor Archazolid Abrogates Tumor Metastasis via Inhibition of Endocytic Activation of the Rho-GTPase Rac1. Cancer Research, 2012, 72, 5976-5987.	0.4	94
93	Temperature Dependent Gene Expression Induced by PNIPAM-Based Copolymers:â€‰ Potential of Hyperthermia in Gene Transfer. Bioconjugate Chemistry, 2006, 17, 766-772.	1.8	92
94	Novel degradable oligoethylenimine acrylate ester-based pseudodendrimers for in vitro and in vivo gene transfer. Gene Therapy, 2008, 15, 18-29.	2.3	92
95	Chicken adenovirus (CELO virus) particles augment receptor-mediated DNA delivery to mammalian cells and yield exceptional levels of stable transformants. Journal of Virology, 1993, 67, 3777-3785.	1.5	92
96	Acetal Linked Oligoethylenimines for Use As pH-Sensitive Gene Carriers. Bioconjugate Chemistry, 2008, 19, 1625-1634.	1.8	91
97	Monitoring the disassembly of siRNA polyplexes in serum is crucial for predicting their biological efficacy. Journal of Controlled Release, 2010, 141, 38-41.	4.8	91
98	Psoralen Treatment of Adenovirus Particles Eliminates Virus Replication and Transcription While Maintaining the Endosomolytic Activity of the Virus Capsid. Virology, 1994, 205, 254-261.	1.1	90
99	EGF Receptor-Targeted Synthetic Double-Stranded RNA Eliminates Glioblastoma, Breast Cancer, and Adenocarcinoma Tumors in Mice. PLoS Medicine, 2005, 3, e6.	3.9	90
100	Stabilizing effect of tyrosine trimers on pDNA and siRNA polyplexes. Biomaterials, 2013, 34, 1624-1633.	5.7	90
101	NK-kappa B subunit-specific regulation of the I kappa B alpha promoter. Journal of Biological Chemistry, 1994, 269, 13551-7.	1.6	90
102	siRNA delivery by a transferrin-associated lipid-based vector: a non-viral strategy to mediate gene silencing. Journal of Gene Medicine, 2007, 9, 170-183.	1.4	89
103	Dynamics of photoinduced endosomal release of polyplexes. Journal of Controlled Release, 2008, 130, 175-182.	4.8	89
104	Nanoparticles bearing polyethyleneglycol-coupled transferrin as gene carriers: preparation and in vitro evaluation. International Journal of Pharmaceutics, 2003, 259, 93-101.	2.6	88
105	Synthesis of Coreâ€“Shell Graphitic Carbon@Silica Nanospheres with Dual-Ordered Mesopores for Cancer-Targeted Photothermochemotherapy. ACS Nano, 2014, 8, 7870-7879.	7.3	88
106	Drug Nanocarriers Labeled With Near-infrared-emitting Quantum Dots (Quantoplexes): Imaging Fast Dynamics of Distribution in Living Animals. Molecular Therapy, 2009, 17, 1849-1856.	3.7	87
107	The stem cell factor SOX2 regulates the tumorigenic potential in human gastric cancer cells. Carcinogenesis, 2014, 35, 942-950.	1.3	84
108	Tumor-targeted gene delivery of tumor necrosis factor-Î± induces tumor necrosis and tumor regression without systemic toxicity. Cancer Gene Therapy, 2002, 9, 673-680.	2.2	83

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109	A dimethylmaleic acidâ€"melittinâ€polylysine conjugate with reduced toxicity, pHâ€triggered endosomolytic activity and enhanced gene transfer potential. Journal of Gene Medicine, 2007, 9, 797-805.	1.4	83
110	Influence of Membrane-Active Peptides on Lipospermine/DNA Complex Mediated Gene Transfer. Bioconjugate Chemistry, 1997, 8, 213-221.	1.8	82
111	Amine-reactive pyridylhydrazone-based PEG reagents for pH-reversible PEI polyplex shielding. European Journal of Pharmaceutical Sciences, 2008, 34, 309-320.	1.9	80
112	Proteomic Analysis Reveals Differences in Protein Expression in Spheroid versus Monolayer Cultures of Low-Passage Colon Carcinoma Cells. Journal of Proteome Research, 2007, 6, 4111-4118.	1.8	78
113	Image-guided, Tumor Stroma-targeted 131I Therapy of Hepatocellular Cancer After Systemic Mesenchymal Stem Cell-mediated NIS Gene Delivery. Molecular Therapy, 2011, 19, 1704-1713.	3.7	78
114	Controlled shielding and deshielding of gene delivery polyplexes using hydroxyethyl starch (HES) and alpha-amylase. Journal of Controlled Release, 2012, 159, 92-103.	4.8	78
115	Rhinovirus-mediated endosomal release of transfection complexes. Journal of Virology, 1995, 69, 1085-1092.	1.5	78
116	Poly(I:C)-Mediated Tumor Growth Suppression in EGF-Receptor Overexpressing Tumors Using EGF-Polyethylene Glycol-Linear Polyethylenimine as Carrier. Pharmaceutical Research, 2011, 28, 731-741.	1.7	77
117	In vitro andin vivo delivery of intact BAC DNAâ€" comparison of different methods. Journal of Gene Medicine, 2004, 6, 195-209.	1.4	76
118	Gene Carriers Based on Hexanediol Diacrylate Linked Oligoethylenimine:â€‰ Effect of Chemical Structure of Polymer on Biological Properties. Bioconjugate Chemistry, 2006, 17, 1339-1345.	1.8	76
119	Hydrophobically Modified Oligoethylenimines as Highly Efficient Transfection Agents for siRNA Delivery. Bioconjugate Chemistry, 2009, 20, 2055-2061.	1.8	76
120	Glycerol Enhancement of Ligand-Polylysine/DNA Transfection. BioTechniques, 1996, 20, 905-913.	0.8	75
121	Stabilization of gene delivery systems by freeze-drying. International Journal of Pharmaceutics, 1997, 157, 233-238.	2.6	75
122	Induction of activating transcription factor 3 by anoxia is independent of p53 and the hypoxic HIF signalling pathway. Oncogene, 2007, 26, 284-289.	2.6	75
123	Tf-lipoplexes for neuronal siRNA delivery: A promising system to mediate gene silencing in the CNS. Journal of Controlled Release, 2008, 132, 113-123.	4.8	75
124	Causal Role of Apoptosis-Inducing Factor for Neuronal Cell Death Following Traumatic Brain Injury. American Journal of Pathology, 2008, 173, 1795-1805.	1.9	75
125	Optical imaging of transferrin targeted PEI/DNA complexes in living subjects. Gene Therapy, 2003, 10, 758-764.	2.3	73
126	Coordinative Binding of Polymers to Metalâ€"Organic Framework Nanoparticles for Control of Interactions at the Biointerface. ACS Nano, 2019, 13, 3884-3895.	7.3	73

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127	Effective incorporation of 2'-O-methyl-oligoribonuclectides into liposomes and enhanced cell association through modification with thiocholesterol. Nucleic Acids Research, 1992, 20, 533-538.	6.5	72
128	Functional Re-expression of Laminin-5 in Laminin-Î³2-deficient Human Keratinocytes Modifies Cell Morphology, Motility, and Adhesion. Journal of Biological Chemistry, 1996, 271, 18437-18444.	1.6	72
129	Targeted nucleic acid delivery into tumors: new avenues for cancer therapy. Biomedicine and Pharmacotherapy, 2004, 58, 152-161.	2.5	70
130	Optimizing targeted gene delivery: Chemical modification of viral vectors and synthesis of artificial virus vector systems. AAPS Journal, 2006, 8, E731-E742.	2.2	70
131	Acid-Labile Traceless Click Linker for Protein Transduction. Journal of the American Chemical Society, 2012, 134, 10169-10173.	6.6	70
132	Gene Transfer to Respiratory Epithelial Cells via the Receptor-mediated Endocytosis Pathway. American Journal of Respiratory Cell and Molecular Biology, 1992, 6, 247-252.	1.4	69
133	In vivo production of human factor VII in mice after intrasplenic implantation of primary fibroblasts transfected by receptor-mediated, adenovirus-augmented gene delivery.. Proceedings of the National Academy of Sciences of the United States of America, 1994, 91, 5148-5152.	3.3	69
134	Photochemical Internalization (PCI): A Technology for Drug Delivery. Methods in Molecular Biology, 2010, 635, 133-145.	0.4	69
135	Epidermal Growth Factorâ€"PEG Functionalized PAMAM-Pentaethylenehexamine Dendron for Targeted Gene Delivery Produced by Click Chemistry. Biomacromolecules, 2011, 12, 2039-2047.	2.6	69
136	Nucleic Acid Carriers Based on Precise Polymer Conjugates. Bioconjugate Chemistry, 2011, 22, 1737-1752.	1.8	69
137	Low generation PAMAM dendrimer and CpG free plasmids allow targeted and extended transgene expression in tumors after systemic delivery. Journal of Controlled Release, 2010, 146, 99-105.	4.8	68
138	Impact of Indium-111 Oxine Labelling on Viability of Human Mesenchymal Stem Cells In Vitro, and 3D Cell-Tracking Using SPECT/CT In Vivo. Molecular Imaging and Biology, 2011, 13, 1204-1214.	1.3	68
139	The effect of molar mass and degree of hydroxyethylation on the controlled shielding and deshielding of hydroxyethyl starch-coated polyplexes. Biomaterials, 2013, 34, 2530-2538.	5.7	68
140	An Acid Sensitive Ketal-Based Polyethylene Glycol-Oligoethylenimine Copolymer Mediates Improved Transfection Efficiency at Reduced Toxicity. Pharmaceutical Research, 2008, 25, 2937-2945.	1.7	67
141	Polymeric Carriers for Nucleic Acid Delivery: Current Designs and Future Directions. Biomacromolecules, 2019, 20, 3613-3626.	2.6	67
142	The proto-oncogene KRAS is targeted by miR-200c. Oncotarget, 2014, 5, 185-195.	0.8	67
143	Transferrinfection: A Highly Efficient Way to Express Gene Constructs in Eukaryotic Cells. Annals of the New York Academy of Sciences, 1992, 660, 136-153.	1.8	66
144	Recent Developments in the Application of Plasmid DNA-Based Vectors and Small Interfering RNA Therapeutics for Cancer. Human Gene Therapy, 2006, 17, 1062-1076.	1.4	66

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145	Monomolecular Assembly of siRNA and Poly(ethylene glycol)â^'Peptide Copolymers. Biomacromolecules, 2008, 9, 724-732.	2.6	66
146	Mesenchymal Stem Cellâ€"Mediated, Tumor Stromaâ€"Targeted Radioiodine Therapy of Metastatic Colon Cancer Using the Sodium Iodide Symporter as Theranostic Gene. Journal of Nuclear Medicine, 2015, 56, 600-606.	2.8	66
147	Targeted Radioiodine Therapy of Neuroblastoma Tumors following Systemic Nonviral Delivery of the Sodium Iodide Symporter Gene. Clinical Cancer Research, 2009, 15, 6079-6086.	3.2	65
148	Solid-phase-assisted synthesis of targeting peptideâ€"PEGâ€"oligo(ethane amino)amides for receptor-mediated gene delivery. Organic and Biomolecular Chemistry, 2012, 10, 3258.	1.5	65
149	Combinatorial treatment of mammospheres with trastuzumab and salinomycin efficiently targets HER2â€positive cancer cells and cancer stem cells. International Journal of Cancer, 2012, 131, 2808-2819.	2.3	65
150	Developmental and cell cycle regulation of alfalfa nucMs1, a plant homolog of the yeast Nsr1 and mammalian nucleolin.. Plant Cell, 1996, 8, 417-428.	3.1	64
151	Disconnecting the Yin and Yang Relation of Epidermal Growth Factor Receptor (EGFR)-Mediated Delivery: A Fully Synthetic, EGFR-Targeted Gene Transfer System Avoiding Receptor Activation. Human Gene Therapy, 2011, 22, 1463-1473.	1.4	64
152	pHâ€Responsive Release of Acetalâ€Linked Melittin from SBAâ€15 Mesoporous Silica. Angewandte Chemie - International Edition, 2011, 50, 6828-6830.	7.2	64
153	Systemic Image-Guided Liver Cancer Radiovirotherapy Using Dendrimer-Coated Adenovirus Encoding the Sodium Iodide Symporter as Theranostic Gene. Journal of Nuclear Medicine, 2013, 54, 1450-1457.	2.8	64
154	V-ATPase Inhibition Regulates Anoikis Resistance and Metastasis of Cancer Cells. Molecular Cancer Therapeutics, 2014, 13, 926-937.	1.9	64
155	Elicitation of a systemic and protective anti-melanoma immune response by an IL-2-based vaccine. Assessment of critical cellular and molecular parameters. Journal of Immunology, 1995, 154, 3406-19.	0.4	64
156	Lymphocyte apoptosis: induction by gene transfer techniques. Gene Therapy, 1997, 4, 296-302.	2.3	63
157	The impact of carboxyalkylation of branched polyethylenimine on effectiveness in small interfering RNA delivery. Journal of Gene Medicine, 2010, 12, 729-738.	1.4	63
158	Highly Crystalline Multicolor Carbon Nanodots for Dual-Modal Imaging-Guided Photothermal Therapy of Glioma. ACS Applied Materials & Interfaces, 2018, 10, 4031-4040.	4.0	63
159	The cdc2Ms Kinase Is Differently Regulated in the Cytoplasm and in the Nucleus. Plant Physiology, 1997, 113, 841-852.	2.3	61
160	Histidine-rich stabilized polyplexes for cMet-directed tumor-targeted gene transfer. Nanoscale, 2015, 7, 5350-5362.	2.8	61
161	Alternation of histone and DNA methylation in human atherosclerotic carotid plaques. Thrombosis and Haemostasis, 2015, 114, 390-402.	1.8	60
162	Tumor-targeted gene delivery: an attractive strategy to use highly active effector molecules in cancer treatment. Gene Therapy, 2002, 9, 731-735.	2.3	59

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163	Photochemically Enhanced Gene Delivery of EGF Receptor-targeted DNA Polyplexes. Journal of Drug Targeting, 2004, 12, 205-213.	2.1	59
164	Sequence-defined four-arm oligo(ethanamino)amides for pDNA and siRNA delivery: Impact of building blocks on efficacy. Journal of Controlled Release, 2012, 164, 380-386.	4.8	59
165	2'-O-methyl, 2'-O-ethyl oligoribonucleotides and phosphorothioate oligodeoxyribonucleotides as inhibitors of the in vitro U7 snRNP-dependent mRNA processing event. Nucleic Acids Research, 1991, 19, 2629-2635.	6.5	58
166	Glycerol and Polylysine Synergize in Their Ability to Rupture Vesicular Membranes: A Mechanism for Increased Transferrinâ€"Polylysine-Mediated Gene Transfer1. Experimental Cell Research, 1997, 232, 137-145.	1.2	58
167	Mannose receptor-mediated gene delivery into antigen presenting dendritic cells. Somatic Cell and Molecular Genetics, 2002, 27, 65-74.	0.7	58
168	Novel colon cancer cell lines leading to better understanding of the diversity of respective primary cancers. Oncogene, 2002, 21, 4646-4662.	2.6	58
169	C- versus N-terminally linked melittin-polyethylenimine conjugates: the site of linkage strongly influences activity of DNA polyplexes. Journal of Gene Medicine, 2005, 7, 1335-1347.	1.4	58
170	Prolonged gene silencing in hepatoma cells and primary hepatocytes after small interfering RNA delivery with biodegradable poly(Î²â€amino esters). Journal of Gene Medicine, 2008, 10, 783-794.	1.4	58
171	V-ATPase inhibition by archazolid leads to lysosomal dysfunction resulting in impaired cathepsin B activation<i>in vivo</i>. International Journal of Cancer, 2014, 134, 2478-2488.	2.3	58
172	History of Polymeric Gene Delivery Systems. Topics in Current Chemistry, 2017, 375, 26.	3.0	58
173	pH-responsive shielding of non-viral gene vectors. Expert Opinion on Drug Delivery, 2006, 3, 563-571.	2.4	57
174	Electrophoretic purification of tumor-targeted polyethylenimine-based polyplexes reduces toxic side effects in vivo. Journal of Controlled Release, 2007, 122, 236-245.	4.8	57
175	Dual antitumoral potency of EG5 siRNA nanoplexes armed with cytotoxic bifunctional glutamyl-methotrexate targeting ligand. Biomaterials, 2016, 77, 98-110.	5.7	57
176	Folate receptor-directed orthogonal click-functionalization of siRNA lipopolyplexes for tumor cell killing inÂvivo. Biomaterials, 2018, 178, 630-642.	5.7	57
177	Opening of Size-Selective Pores in Endosomes during Human Rhinovirus Serotype 2 In Vivo Uncoating Monitored by Single-Organelle Flow Analysis. Journal of Virology, 2005, 79, 1008-1016.	1.5	56
178	Targeting APLN/APLNR Improves Antiangiogenic Efficiency and Blunts Proinvasive Side Effects of VEGFA/VEGFR2 Blockade in Glioblastoma. Cancer Research, 2019, 79, 2298-2313.	0.4	56
179	Binding-incompetent adenovirus facilitates molecular conjugate-mediated gene transfer by the receptor-mediated endocytosis pathway.. Journal of Biological Chemistry, 1993, 268, 6866-6869.	1.6	56
180	Gelatin nanoparticles as a new and simple gene delivery system. Journal of Pharmacy and Pharmaceutical Sciences, 2005, 7, 22-8.	0.9	56

#	Article	IF	Citations
181	Differential behaviour of lipid based and polycation based gene transfer systems in transfecting primary human fibroblasts: a potential role of polylysine in nuclear transport. Biochimica Et Biophysica Acta - General Subjects, 1999, 1428, 57-67.	1.1	55
182	The role of lipoprotein lipase in adipose tissue development and metabolism. International Journal of Obesity, 2000, 24, S53-S56.	1.6	55
183	Cell and Tissue Targeting of Nucleic Acids for Cancer Gene Therapy. Pharmaceutical Research, 2007, 24, 1047-1057.	1.7	55
184	Induction of Apoptosis in Murine Neuroblastoma by Systemic Delivery of Transferrin-Shielded siRNA Polyplexes for Downregulation of Ran. Oligonucleotides, 2008, 18, 161-174.	2.7	55
185	Comparison of four different particle sizing methods for siRNA polyplex characterization. European Journal of Pharmaceutics and Biopharmaceutics, 2013, 84, 255-264.	2.0	55
186	Tumor-targeted gene transfer with DNA polyplexes. Somatic Cell and Molecular Genetics, 2002, 27, 85-95.	0.7	54
187	Development of a lyophilized plasmid/LPEI polyplex formulation with long-term stabilityâ€"A step closer from promising technology to application. Journal of Controlled Release, 2011, 151, 246-255.	4.8	54
188	EGFR-Targeted Adenovirus Dendrimer Coating for Improved Systemic Delivery of the Theranostic NIS Gene. Molecular Therapy - Nucleic Acids, 2013, 2, e131.	2.3	54
189	Bioresponsive polymers for the delivery of therapeutic nucleic acids. Wiley Interdisciplinary Reviews: Nanomedicine and Nanobiotechnology, 2011, 3, 33-46.	3.3	53
190	Salinomycin treatment reduces metastatic tumor burden by hampering cancer cell migration. Molecular Cancer, 2014, 13, 16.	7.9	53
191	Defined Polymeric Materials for Gene Delivery. Macromolecular Bioscience, 2015, 15, 600-612.	2.1	53
192	Optimized lipopolyplex formulations for gene transfer to human colon carcinoma cells underin vitro conditions. Journal of Gene Medicine, 2006, 8, 186-197.	1.4	52
193	Microfluidic self-assembly of folate-targeted monomolecular siRNA-lipid nanoparticles. Nanoscale, 2017, 9, 7442-7453.	2.8	52
194	Augmented glioma-targeted theranostics using multifunctional polymer-coated carbon nanodots. Biomaterials, 2017, 141, 29-39.	5.7	52
195	Hyperthermia-Induced Targeting of Thermosensitive Gene Carriers to Tumors. Human Gene Therapy, 2008, 19, 1283-1292.	1.4	51
196	Peptideâ€like Polymers Exerting Effective Gliomaâ€Targeted siRNA Delivery and Release for Therapeutic Application. Small, 2015, 11, 5142-5150.	5.2	51
197	High-Level Expression of Various Apolipoprotein (a) Isoforms by "Transferrinfection": The Role of Kringle IV Sequences in the Extracellular Association with Low-Density Lipoprotein. Biochemistry, 1994, 33, 12329-12339.	1.2	50
198	Liposomes containing interferon-gamma as adjuvant in tumor cell vaccines. Pharmaceutical Research, 2000, 17, 42-48.	1.7	50

#	Article	IF	Citations
199	Potent Retro-Inverso <scp>d</scp>-Peptide for Simultaneous Targeting of Angiogenic Blood Vasculature and Tumor Cells. Bioconjugate Chemistry, 2013, 24, 133-143.	1.8	50
200	Bioreducible Polycations as Shuttles for Therapeutic Nucleic Acid and Protein Transfection. Antioxidants and Redox Signaling, 2014, 21, 804-817.	2.5	50
201	Retro-Inverso CendR Peptide-Mediated Polyethyleneimine for Intracranial Glioblastoma-Targeting Gene Therapy. Bioconjugate Chemistry, 2014, 25, 414-423.	1.8	49
202	Impact of smoking behavior on clozapine blood levels â€“ a systematic review and metaâ€analysis. Acta Psychiatrica Scandinavica, 2020, 142, 456-466.	2.2	49
203	Optimizing synthetic nucleic acid and protein nanocarriers: The chemical evolution approach. Advanced Drug Delivery Reviews, 2021, 168, 30-54.	6.6	49
204	Binding-incompetent adenovirus facilitates molecular conjugate-mediated gene transfer by the receptor-mediated endocytosis pathway. Journal of Biological Chemistry, 1993, 268, 6866-9.	1.6	49
205	Nonviral gene transfer into fetal mouse livers (a comparison between the cationic polymer PEI and) Tj ETQq1 1 0.784314 rgBT /Overlo	2.3	48
206	Antibody against mutated citrullinated vimentin: a new sensitive marker in the diagnosis of rheumatoid arthritis. Rheumatology International, 2009, 29, 1315-1321.	1.5	48
207	Tf-lipoplex-mediated c-Jun silencing improves neuronal survival following excitotoxic damage in vivo. Journal of Controlled Release, 2010, 142, 392-403.	4.8	48
208	Tissue-dependent factors affect gene delivery to tumors in vivo. Gene Therapy, 2003, 10, 1079-1088.	2.3	47
209	PolyIC GE11 polyplex inhibits EGFRâ€overexpressing tumors. IUBMB Life, 2012, 64, 324-330.	1.5	47
210	Targeted siRNA Delivery Using a Lipoâ€Oligoaminoamide Nanocore with an Influenza Peptide and Transferrin Shell. Advanced Healthcare Materials, 2016, 5, 1493-1504.	3.9	47
211	Increase of proliferation rate and enhancement of antitumor cytotoxicity of expanded human CD3+CD56+ immunologic effector cells by receptor-mediated transfection with the interleukin-7 gene. Gene Therapy, 1998, 5, 31-39.	2.3	46
212	Polymers for Nucleic Acid Transferâ€"An Overview. Advances in Genetics, 2014, 88, 231-261.	0.8	46
213	New Sequence-Defined Polyaminoamides with Tailored Endosomolytic Properties for Plasmid DNA Delivery. Bioconjugate Chemistry, 2012, 23, 1157-1165.	1.8	45
214	Endothelial differentiation of adipose-derived mesenchymal stem cells is improved by epigenetic modifying drug BIX-01294. European Journal of Cell Biology, 2013, 92, 70-79.	1.6	45
215	Targeting of Polyplexes: Toward Synthetic Virus Vector Systems. Advances in Genetics, 2005, 53PA, 333-354.	0.8	44
216	Image-Guided Tumor-Selective Radioiodine Therapy of Liver Cancer After Systemic Nonviral Delivery of the Sodium Iodide Symporter Gene. Human Gene Therapy, 2011, 22, 1563-1574.	1.4	44

#	Article	IF	Citations
217	Stromal Targeting of Sodium Iodide Symporter Using Mesenchymal Stem Cells Allows Enhanced Imaging and Therapy of Hepatocellular Carcinoma. Human Gene Therapy, 2013, 24, 306-316.	1.4	44
218	Targeting the actin cytoskeleton: selective antitumor action via trapping PKCÉ›. Cell Death and Disease, 2014, 5, e1398-e1398.	2.7	44
219	Carbohydrate receptor-mediated gene transfer to human T leukaemic cells. Glycobiology, 1994, 4, 429-435.	1.3	43
220	Phase I Study to the Immunotherapy of Metastatic Malignant Melanoma by a Cancer Vaccine Consisting of Autologous Cancer Cells Transfected with the Human IL-2 Gene. University of Vienna, Austria. Human Gene Therapy, 1996, 7, 551-563.	1.4	43
221	Influence of the DNA complexation medium on the transfection efficiency of lipospermine/DNA particles. Gene Therapy, 1998, 5, 855-860.	2.3	43
222	Synthesis and characterization of chemically condensed oligoethylenimine containing beta-aminopropionamide linkages for siRNA delivery. Biomaterials, 2007, 28, 3731-3740.	5.7	43
223	To Be Targeted: Is the Magic Bullet Concept a Viable Option for Synthetic Nucleic Acid Therapeutics?. Human Gene Therapy, 2011, 22, 799-807.	1.4	43
224	Systemic TNFÎ± Gene Therapy Synergizes With Liposomal Doxorubicine in the Treatment of Metastatic Cancer. Molecular Therapy, 2013, 21, 300-308.	3.7	42
225	pH-Reversible Cationic RNase A Conjugates for Enhanced Cellular Delivery and Tumor Cell Killing. Biomacromolecules, 2016, 17, 173-182.	2.6	42
226	Systemic Delivery of Folate-PEG siRNA Lipopolyplexes with Enhanced Intracellular Stability for <i>In Vivo</i> Gene Silencing in Leukemia. Bioconjugate Chemistry, 2017, 28, 2393-2409.	1.8	42
227	A simple procedure for the preparation of protected 2â€²-O-methyl or 2â€²-O-ethyl ribonucleoside-3â€²-O-phosphoramidites. Nucleic Acids Research, 1991, 19, 5965-5971.	6.5	40
228	Decorated Rods:Â A â€œBottom-Upâ€• Self-Assembly of Monomolecular DNA Complexes. Journal of Physical Chemistry B, 2006, 110, 4548-4554.	1.2	40
229	DNA polyplexes based on degradable oligoethylenimine-derivatives: Combination with EGF receptor targeting and endosomal release functions. Journal of Controlled Release, 2006, 116, 115-122.	4.8	40
230	Influence of the Molecular Weight of Bioreducible Oligoethylenimine Conjugates on the Polyplex Transfection Properties. AAPS Journal, 2009, 11, 445-55.	2.2	40
231	Adenoviral Vectors Coated with PAMAM Dendrimer Conjugates Allow CAR Independent Virus Uptake and Targeting to the EGF Receptor. Molecular Pharmaceutics, 2013, 10, 606-618.	2.3	40
232	Precise redox-sensitive cleavage sites for improved bioactivity of siRNA lipopolyplexes. Nanoscale, 2016, 8, 18098-18104.	2.8	40
233	Tumoral gene silencing by receptor-targeted combinatorial siRNA polyplexes. Journal of Controlled Release, 2016, 244, 280-291.	4.8	40
234	Antitumoral Cascade-Targeting Ligand for IL-6 Receptor-Mediated Gene Delivery to Glioma. Molecular Therapy, 2017, 25, 1556-1566.	3.7	40

#	Article	IF	Citations
235	Nucleic Acid-Based Approaches for Tumor Therapy. Cells, 2020, 9, 2061.	1.8	40
236	Non-viral delivery of the CRISPR/Cas system: DNA<i>versus</i>RNA<i>versus</i>RNP. Biomaterials Science, 2022, 10, 1166-1192.	2.6	40
237	Sustained, high transgene expression in liver with plasmid vectors using optimized promoterâ€enhancer combinations. Journal of Gene Medicine, 2011, 13, 382-391.	1.4	39
238	In Vivo Imaging Enables High Resolution Preclinical Trials on Patientsâ€™ Leukemia Cells Growing in Mice. PLoS ONE, 2012, 7, e52798.	1.1	39
239	Biomaterials in RNAi therapeutics: quo vadis?. Biomaterials Science, 2013, 1, 804.	2.6	39
240	Consecutive salinomycin treatment reduces doxorubicin resistance of breast tumor cells by diminishing drug efflux pump expression and activity. Oncology Reports, 2016, 35, 1732-1740.	1.2	39
241	Chemie von Î±-Aminonitrilen. Aziridin-2-carbonitril, ein VorlÃufer von rca-O3-Phosphoserinnitril und Glycolaldehyd-phosphat. Helvetica Chimica Acta, 1990, 73, 1391-1409.	1.0	38
242	Antiâ€angiogenic effects of the tubulysin precursor pretubulysin and of simplified pretubulysin derivatives. British Journal of Pharmacology, 2012, 167, 1048-1061.	2.7	38
243	Enhanced Intracellular Protein Transduction by Sequence Defined Tetraâ€Oleoyl Oligoaminoamides Targeted for Cancer Therapy. Advanced Functional Materials, 2015, 25, 6627-6636.	7.8	38
244	Combinatorial Optimization of Sequence-Defined Oligo(ethanamino)amides for Folate Receptor-Targeted pDNA and siRNA Delivery. Bioconjugate Chemistry, 2016, 27, 647-659.	1.8	38
245	Receptor-mediated Gene Transfer to Airway Epithelial Cells in Primary Culture. American Journal of Respiratory Cell and Molecular Biology, 1993, 9, 441-447.	1.4	37
246	Synthesis and anti-HIV activity of thiocholesteryl-coupled phosphodiester antisense oligonucleotides incorporated into immunoliposomes. Antiviral Research, 1994, 25, 13-25.	1.9	37
247	Development of Transferrin-Polycation/DNA Based Vectors for Gene Delivery to Melanoma Cells. Journal of Drug Targeting, 1999, 7, 293-303.	2.1	37
248	Correlation of Length of Linear Oligo(ethanamino) Amides with Gene Transfer and Cytotoxicity. ChemMedChem, 2014, 9, 2104-2110.	1.6	37
249	EGF receptor targeted lipo-oligocation polyplexes for antitumoral siRNA and miRNA delivery. Nanotechnology, 2016, 27, 464001.	1.3	37
250	Somatic gene therapy for cancer: the utility of transferrinfection in generating â€˜tumor vaccinesâ€™. Gene, 1993, 135, 199-207.	1.0	36
251	Converging Paths of Viral and Non-viral Vector Engineering. Molecular Therapy, 2008, 16, 1-2.	3.7	36
252	A versatile assay to study cellular uptake of gene transfer complexes by flow cytometry. Biochimica Et Biophysica Acta - General Subjects, 2000, 1474, 237-243.	1.1	35

#	Article	IF	Citations
253	Specific Targets in Tumor Tissue for the Delivery of Therapeutic Genes. Anti-Cancer Agents in Medicinal Chemistry, 2005, 5, 157-171.	7.0	35
254	A Comprehensive Gene Expression Analysis of Resistance Formation upon Metronomic Cyclophosphamide Therapy. Translational Oncology, 2013, 6, 1-IN3.	1.7	35
255	Receptor-mediated gene delivery employing lectin-binding specificity. Gene Therapy, 1994, 1, 255-60.	2.3	35
256	Peptide- and polymer-based delivery of therapeutic RNA. Soft Matter, 2010, 6, 226-234.	1.2	34
257	Glutathioneâ€sensitive RGDâ€poly(ethylene glycol)â€SSâ€polyethylenimine for intracranial glioblastoma targeted gene delivery. Journal of Gene Medicine, 2013, 15, 291-305.	1.4	34
258	Comb-Like Oligoaminoethane Carriers: Change in Topology Improves pDNA Delivery. Bioconjugate Chemistry, 2014, 25, 251-261.	1.8	34
259	Dual-Targeted Polyplexes Based on Sequence-Defined Peptide-PEG-Oligoamino Amides. Journal of Pharmaceutical Sciences, 2015, 104, 464-475.	1.6	34
260	Specially-Made Lipid-Based Assemblies for Improving Transmembrane Gene Delivery: Comparison of Basic Amino Acid Residue Rich Periphery. Molecular Pharmaceutics, 2016, 13, 1809-1821.	2.3	34
261	Imaging and targeted therapy of pancreatic ductal adenocarcinoma using the theranostic sodium iodide symporter (NIS) gene. Oncotarget, 2017, 8, 33393-33404.	0.8	33
262	Retrofitting BACs with G418 resistance, luciferase, and oriP and EBNA-1 - new vectors for in vitro and in vivo delivery. BMC Biotechnology, 2003, 3, 2.	1.7	32
263	In vivo chemoresistance of prostate cancer in metronomic cyclophosphamide therapy. Journal of Proteomics, 2010, 73, 1342-1354.	1.2	32
264	Twin disulfides as opportunity for improving stability and transfection efficiency of oligoaminoethane polyplexes. Journal of Controlled Release, 2015, 205, 109-119.	4.8	32
265	Hypoxia-targeted 131I therapy of hepatocellular cancer after systemic mesenchymal stem cell-mediated sodium iodide symporter gene delivery. Oncotarget, 2016, 7, 54795-54810.	0.8	31
266	Chirale Lactole, VI. Eine Methode zur Bestimmung der Absolutkonfiguration chiraler Î±â€hydroxysubstituierter Nitrile, Alkine und Aldehyde. Chemische Berichte, 1986, 119, 729-743.	0.2	30
267	EGFR-Homing dsRNA Activates Cancer-Targeted Immune Response and Eliminates Disseminated EGFR-Overexpressing Tumors in Mice. Clinical Cancer Research, 2011, 17, 1033-1043.	3.2	30
268	Synthetic Polyglutamylation of Dual-Functional MTX Ligands for Enhanced Combined Cytotoxicity of Poly(I:C) Nanoplexes. Molecular Pharmaceutics, 2014, 11, 2631-2639.	2.3	30
269	Pretubulysin: a new option for the treatment of metastatic cancer. Cell Death and Disease, 2014, 5, e1001-e1001.	2.7	30
270	Sequence-defined cMET/HGFR-targeted Polymers as Gene Delivery Vehicles for the Theranostic Sodium Iodide Symporter (NIS) Gene. Molecular Therapy, 2016, 24, 1395-1404.	3.7	30

#	Article	IF	Citations
271	Adenovirus-Derived Vectors for Prostate Cancer Gene Therapy. Human Gene Therapy, 2010, 21, 795-805.	1.4	29
272	The establishment of an up-scaled micro-mixer method allows the standardized and reproducible preparation of well-defined plasmid/LPEI polyplexes. European Journal of Pharmaceutics and Biopharmaceutics, 2011, 77, 182-185.	2.0	29
273	Post-PEGylation of siRNA Lipo-oligoamino Amide Polyplexes Using Tetra-glutamylated Folic Acid as Ligand for Receptor-Targeted Delivery. Molecular Pharmaceutics, 2016, 13, 2332-2345.	2.3	29
274	Targeting actin inhibits repair of doxorubicin-induced DNA damage: a novel therapeutic approach for combination therapy. Cell Death and Disease, 2019, 10, 302.	2.7	29
275	Cryoconserved shielded and EGF receptor targeted DNA polyplexes: cellular mechanisms. European Journal of Pharmaceutics and Biopharmaceutics, 2005, 60, 279-285.	2.0	28
276	Lipo-Oligomer Nanoformulations for Targeted Intracellular Protein Delivery. Biomacromolecules, 2017, 18, 2509-2520.	2.6	28
277	In vitro targeting and specific transfection of human neuroblastoma cells by chCE7 antibody-mediated gene transfer. Gene Therapy, 1997, 4, 156-161.	2.3	27
278	Polyhydroxyethylaspartamide-spermine copolymers: Efficient vectors for gene delivery. Journal of Controlled Release, 2008, 131, 54-63.	4.8	27
279	Native chemical ligation for conversion of sequence-defined oligomers into targeted pDNA and siRNA carriers. Journal of Controlled Release, 2014, 180, 42-50.	4.8	27
280	Combining reactive triblock copolymers with functional cross-linkers: A versatile pathway to disulfide stabilized-polyplex libraries and their application as pDNA vaccines. Journal of Controlled Release, 2017, 258, 146-160.	4.8	27
281	Particle-Size-Dependent Delivery of Antitumoral miRNA Using Targeted Mesoporous Silica Nanoparticles. Pharmaceutics, 2020, 12, 505.	2.0	27
282	Developmental and cell cycle regulation of alfalfa nucMs1, a plant homolog of the yeast Nsr1 and mammalian nucleolin. Plant Cell, 1996, 8, 417-28.	3.1	27
283	The Actin Targeting Compound Chondramide Inhibits Breast Cancer Metastasis via Reduction of Cellular Contractility. PLoS ONE, 2014, 9, e112542.	1.1	26
284	Intracellular Delivery of Nanobodies for Imaging of Target Proteins in Live Cells. Pharmaceutical Research, 2017, 34, 161-174.	1.7	26
285	IL4â€Receptorâ€Targeted Dual Antitumoral Apoptotic Peptideâ€"siRNA Conjugate Lipoplexes. Advanced Functional Materials, 2019, 29, 1900697.	7.8	26
286	Delivery of Cas9/sgRNA Ribonucleoprotein Complexes via Hydroxystearyl Oligoamino Amides. Bioconjugate Chemistry, 2020, 31, 729-742.	1.8	26
287	Protein-drug conjugate programmed by pH-reversible linker for tumor hypoxia relief and enhanced cancer combination therapy. International Journal of Pharmaceutics, 2020, 582, 119321.	2.6	26
288	Extrachromosomal recombination occurs efficiently in cells defective in various DNA repair systems. Nucleic Acids Research, 1996, 24, 2053-2058.	6.5	25

#	Article	IF	Citations
289	Extracellular Targeting of Synthetic Therapeutic Nucleic Acid Formulations. Current Gene Therapy, 2008, 8, 324-334.	0.9	25
290	Clinical Adenoviral Gene Therapy for Prostate Cancer. Human Gene Therapy, 2010, 21, 807-813.	1.4	25
291	Controllable Acoustic Mixing of Fluids in Microchannels for the Fabrication of Therapeutic Nanoparticles. Micromachines, 2016, 7, 150.	1.4	25
292	MiRNA-27a sensitizes breast cancer cells to treatment with Selective Estrogen Receptor Modulators. Breast, 2019, 43, 31-38.	0.9	25
293	Hyaluronate siRNA nanoparticles with positive charge display rapid attachment to tumor endothelium and penetration into tumors. Journal of Controlled Release, 2021, 329, 919-933.	4.8	25
294	Improved <i>in vivo</i> gene transfer into tumor tissue by stabilization of pseudodendritic oligoethylenimineâ€based polyplexes. Journal of Gene Medicine, 2010, 12, 180-193.	1.4	24
295	Toward Artificial Immunotoxins: Traceless Reversible Conjugation of RNase A with Receptor Targeting and Endosomal Escape Domains. Molecular Pharmaceutics, 2017, 14, 1439-1449.	2.3	24
296	Polycation/DNA complexes for in vivo gene delivery. Gene Therapy and Regulation, 2000, 1, 95-114.	0.3	23
297	Efficient Shielding of Polyplexes Using Heterotelechelic Polysarcosines. Polymers, 2018, 10, 689.	2.0	23
298	Targeting nucleic acid-based therapeutics to tumors: Challenges and strategies for polyplexes. Journal of Controlled Release, 2022, 346, 110-135.	4.8	23
299	Chemically Programmed Polymers for Targeted DNA and siRNA Transfection. Topics in Current Chemistry, 2010, 296, 227-249.	4.0	22
300	A polyphosphoester conjugate of melphalan as antitumoral agent. European Journal of Pharmaceutical Sciences, 2013, 50, 410-419.	1.9	22
301	Combination of sequenceâ€defined oligoaminoamides with transferrinâ€polycation conjugates for receptorâ€targeted gene delivery. Journal of Gene Medicine, 2015, 17, 161-172.	1.4	22
302	Bioresponsive polyplexes â€" chemically programmed for nucleic acid delivery. Expert Opinion on Drug Delivery, 2018, 15, 1067-1083.	2.4	22
303	Dual-targeted NIS polyplexesâ€"a theranostic strategy toward tumors with heterogeneous receptor expression. Gene Therapy, 2019, 26, 93-108.	2.3	22
304	Immunoadjuvant activity of interferon-Î³-liposomes co-administered with influenza vaccines. Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids, 2001, 1531, 99-110.	1.2	21
305	Controlled removal of a nonviral episomal vector from transfected cells. Gene, 2010, 466, 36-42.	1.0	21
306	Stabilization of polyplexes via polymer crosslinking for efficient siRNA delivery. European Journal of Pharmaceutical Sciences, 2012, 47, 914-920.	1.9	21

#	Article	IF	Citations
307	Reintroducing the Sodiumâ€“Iodide Symporter to Anaplastic Thyroid Carcinoma. Thyroid, 2017, 27, 1534-1543.	2.4	21
308	Minicircle Versus Plasmid DNA Delivery by Receptor-Targeted Polyplexes. Human Gene Therapy, 2017, 28, 862-874.	1.4	21
309	External Beam Radiation Therapy Enhances Mesenchymal Stem Cellâ€“Mediated Sodiumâ€“Iodide Symporter Gene Delivery. Human Gene Therapy, 2018, 29, 1287-1300.	1.4	21
310	The sodium iodide symporter (NIS): novel applications for radionuclide imaging and treatment. Endocrine-Related Cancer, 2021, 28, T193-T213.	1.6	21
311	Systemic tumorâ€targeted sodium iodide symporter (NIS) gene therapy of hepatocellular carcinoma mediated by B6 peptide polyplexes. Journal of Gene Medicine, 2017, 19, e2957.	1.4	20
312	Epidermal growth factor receptor targeted methotrexate and small interfering RNA coâ€delivery. Journal of Gene Medicine, 2018, 20, e3041.	1.4	20
313	Dynamic mRNA polyplexes benefit from bioreducible cleavage sites for in vitro and in vivo transfer. Journal of Controlled Release, 2021, 339, 27-40.	4.8	20
314	Interleukin-2 gene-modified allogeneic melanoma cell vaccines can induce cross-protection against syngeneic tumors in mice. Cancer Gene Therapy, 2000, 7, 870-878.	2.2	19
315	Formulation development of lyophilized, long-term stable siRNA/oligoaminoamide polyplexes. European Journal of Pharmaceutics and Biopharmaceutics, 2013, 85, 294-305.	2.0	19
316	Assessing potential peptide targeting ligands by quantification of cellular adhesion of model nanoparticles under flow conditions. Journal of Controlled Release, 2015, 213, 79-85.	4.8	19
317	How to Tackle the Challenge of siRNA Delivery with Sequenceâ€Defined Oligoamino Amides. Macromolecular Bioscience, 2017, 17, 1600152.	2.1	19
318	Optimized Solidâ€Phaseâ€Assisted Synthesis of Oleic Acid Containing siRNA Nanocarriers. ChemMedChem, 2017, 12, 1464-1470.	1.6	19
319	Tuning the Morphological Appearance of Iron(III) Fumarate: Impact on Material Characteristics and Biocompatibility. Chemistry of Materials, 2020, 32, 2253-2263.	3.2	19
320	Effective control of tumor growth through spatial and temporal control of theranostic sodium iodide symporter (<i>NIS</i>) gene expression using a heat-inducible gene promoter in engineered mesenchymal stem cells. Theranostics, 2020, 10, 4490-4506.	4.6	19
321	Capsomer-Specific Fluorescent Labeling of Adenoviral Vector Particles Allows for Detailed Analysis of Intracellular Particle Trafficking and the Performance of Bioresponsive Bonds for Vector Capsid Modifications. Human Gene Therapy, 2010, 21, 1155-1167.	1.4	18
322	Sequence Defined Disulfide-Linked Shuttle for Strongly Enhanced Intracellular Protein Delivery. Molecular Pharmaceutics, 2012, 9, 3560-3568.	2.3	18
323	Gene Therapy for Advanced Melanoma: Selective Targeting and Therapeutic Nucleic Acids. Journal of Drug Delivery, 2013, 2013, 1-15.	2.5	18
324	EGFR Targeting and Shielding of pDNA Lipopolyplexes via Bivalent Attachment of a Sequenceâ€Defined PEG Agent. Macromolecular Bioscience, 2018, 18, 1700203.	2.1	18

#	Article	IF	Citations
325	Radiation-Induced Amplification of TGFB1-Induced Mesenchymal Stem Cellâ€“Mediated Sodium Iodide Symporter (<i>NIS</i>) Gene 131I Therapy. Clinical Cancer Research, 2019, 25, 5997-6008.	3.2	18
326	Double Click-Functionalized siRNA Polyplexes for Gene Silencing in Epidermal Growth Factor Receptor-Positive Tumor Cells. ACS Biomaterials Science and Engineering, 2020, 6, 1074-1089.	2.6	18
327	Optimizing pDNA Lipo-polyplexes: A Balancing Act between Stability and Cargo Release. Biomacromolecules, 2021, 22, 1282-1296.	2.6	18
328	EGFR-targeted nonviral NIS gene transfer for bioimaging and therapy of disseminated colon cancer metastases. Oncotarget, 2017, 8, 92195-92208.	0.8	18
329	Cytokine gene-modified tumor cells for prophylactic and therapeutic vaccination: IL-2, IFN-gamma, or combination IL-2 + IFN-gamma. Cytokines, Cellular & Molecular Therapy, 1998, 4, 95-103.	0.3	18
330	Efficient Foreign Gene Expression in Epstein-Barr Virus-Transformed Human B-Cells. Virology, 1994, 198, 577-585.	1.1	17
331	Gene Therapy for B-cell Lymphoma in a SCID Mouse Model using an Immunoglobulin-Regulated Diphtheria Toxin Gene Delivered by a Novel Adenovirus-Polylysine Conjugate. Cancer Biotherapy, 1994, 9, 131-141.	0.6	17
332	Stabilized Nonviral Formulations for the Delivery of MCP-1 Gene into Cells of the Vasculoendothelial System. Pharmaceutical Research, 2004, 21, 683-691.	1.7	17
333	Live in vivo imaging of Egr-1 promoter activity during neonatal development, liver regeneration and wound healing. BMC Developmental Biology, 2011, 11, 28.	2.1	17
334	Influence of Defined Hydrophilic Blocks within Oligoaminoamide Copolymers: Compaction versus Shielding of pDNA Nanoparticles. Polymers, 2017, 9, 142.	2.0	17
335	Novel PAMAM-PEG-Peptide Conjugates for siRNA Delivery Targeted to the Transferrin and Epidermal Growth Factor Receptors. Journal of Personalized Medicine, 2018, 8, 4.	1.1	17
336	Hyperthermia induced targeting of thermosensitive gene carriers to tumors. Human Gene Therapy, 2008, 19, 081015093227032.	1.4	17
337	Salinomycin co-treatment enhances tamoxifen cytotoxicity in luminal A breast tumor cells by facilitating lysosomal degradation of receptor tyrosine kinases. Oncotarget, 2016, 7, 50461-50476.	0.8	17
338	NK Cells Armed with Chimeric Antigen Receptors (CAR): Roadblocks to Successful Development. Cells, 2021, 10, 3390.	1.8	17
339	Functional maturation of dendritic cells by exposure to CD40L transgenic tumor cells, fibroblasts or keratinocytes. Cancer Letters, 2001, 168, 145-154.	3.2	16
340	Functional Analysis of Genomic DNA, cDNA, and Nucleotide Sequence of the Mature C-Type Natriuretic Peptide Gene in Vascular Cells. Arteriosclerosis, Thrombosis, and Vascular Biology, 2004, 24, 1646-1651.	1.1	16
341	Characterization of in vivo chemoresistant human hepatocellular carcinoma cells with transendothelial differentiation capacities. BMC Cancer, 2013, 13, 176.	1.1	16
342	Sequence-defined polymers for the delivery of oligonucleotides. Nanomedicine, 2014, 9, 2843-2859.	1.7	16

#	Article	IF	Citations
343	Tumorâ€targeted Delivery of Antiâ€microRNA for Cancer Therapy: pHLIP is Key. Angewandte Chemie - International Edition, 2015, 54, 5824-5826.	7.2	16
344	Ring-Shaped Microlanes and Chemical Barriers as a Platform for Probing Single-Cell Migration. Scientific Reports, 2016, 6, 26858.	1.6	16
345	Acid-labile pHPMA modification of four-arm oligoaminoamide pDNA polyplexes balances shielding and gene transfer activity in vitro and in vivo. European Journal of Pharmaceutics and Biopharmaceutics, 2016, 105, 85-96.	2.0	16
346	Sequenceâ€Defined Oligoamide Drug Conjugates of Pretubulysin and Methotrexate for Folate Receptor Targeted Cancer Therapy. Macromolecular Bioscience, 2017, 17, 1600520.	2.1	16
347	TGFB1-driven mesenchymal stem cell-mediated NIS gene transfer. Endocrine-Related Cancer, 2019, 26, 89-101.	1.6	16
348	Co-delivery of pretubulysin and siEG5 to EGFR overexpressing carcinoma cells. International Journal of Pharmaceutics, 2019, 569, 118570.	2.6	16
349	Regional Hyperthermia Enhances Mesenchymal Stem Cell Recruitment to Tumor Stroma: Implications for Mesenchymal Stem Cell-Based Tumor Therapy. Molecular Therapy, 2021, 29, 788-803.	3.7	16
350	Generation of a tumor- and tissue-specific episomal non-viral vector system. BMC Biotechnology, 2013, 13, 49.	1.7	15
351	Photochemical Enhancement of DNA Delivery by EGF Receptor Targeted Polyplexes. , 2008, 434, 171-181.		15
352	Fast Characterization of Polyplexes by Taylor Dispersion Analysis. Macromolecules, 2015, 48, 7216-7221.	2.2	14
353	Supramolecular Assembly of Aminoethyleneâ€Lipopeptide PMO Conjugates into RNA Spliceâ€Switching Nanomicelles. Advanced Functional Materials, 2019, 29, 1906432.	7.8	14
354	Sustained cytokine delivery for anticancer vaccination: liposomes as alternative for gene-transfected tumor cells. Clinical Cancer Research, 1998, 4, 1881-6.	3.2	14
355	Kohlenhydrat-Modelle, I. Kinetische und thermodynamische Effekte bei Acetalisierungsreaktionen enantiomerenreiner Thiolactole. Chemische Berichte, 1985, 118, 3299-3310.	0.2	13
356	Efficient In Vitro Transfection of Human Keratinocytes with an Adenovirus-Enhanced Receptor-Mediated System. Journal of Investigative Dermatology, 2000, 114, 661-666.	0.3	13
357	Transcriptionally Targeted Nonviral Gene Transfer Using a Î²-Catenin/TCF-Dependent Promoter in a Series of Different Human Low Passage Colon Cancer Cells. Molecular Pharmaceutics, 2007, 4, 129-139.	2.3	13
358	Gene silencing and antitumoral effects of Eg5 or Ran siRNA oligoaminoamide polyplexes. Drug Delivery and Translational Research, 2014, 4, 84-95.	3.0	13
359	Downregulation of GRK5 hampers the migration of breast cancer cells. Scientific Reports, 2019, 9, 15548.	1.6	13
360	Inducible microRNA-200c decreases motility of breast cancer cells and reduces filamin A. PLoS ONE, 2019, 14, e0224314.	1.1	13

#	Article	IF	Citations
361	Non-Viral Targeted Nucleic Acid Delivery: Apply Sequences for Optimization. Pharmaceutics, 2020, 12, 888.	2.0	13
362	Synthesis of Polyethylenimine-Based Nanocarriers for Systemic Tumor Targeting of Nucleic Acids. , 2013, 948, 105-120.		12
363	De-targeting by miR-143 decreases unwanted transgene expression in non-tumorigenic cells. Gene Therapy, 2013, 20, 1104-1109.	2.3	12
364	Gene Regulation by Intracellular Delivery and Photodegradation of Nanoparticles Containing Small Interfering RNA. Macromolecular Bioscience, 2014, 14, 626-631.	2.1	12
365	Evaluation of improved PAMAM-G5 conjugates for gene delivery targeted to the transferrin receptor. European Journal of Pharmaceutics and Biopharmaceutics, 2015, 94, 116-122.	2.0	12
366	Precise Enzymatic Cleavage Sites for Improved Bioactivity of siRNA Lipo-Polyplexes. Bioconjugate Chemistry, 2018, 29, 3649-3657.	1.8	12
367	Coreâ€Shell Functionalized Zirconiumâ€Pemetrexed Coordination Nanoparticles as Carriers with a High Drug Content. Advanced Therapeutics, 2019, 2, 1900120.	1.6	12
368	Genome-wide association analyses of symptom severity among clozapine-treated patients with schizophrenia spectrum disorders. Translational Psychiatry, 2022, 12, 145.	2.4	12
369	The Silent (R)evolution of Polymeric Nucleic Acid Therapeutics. Pharmaceutical Research, 2008, 25, 2920-2923.	1.7	11
370	Invading target cells: multifunctional polymer conjugates as therapeutic nucleic acid carriers. Frontiers of Chemical Science and Engineering, 2011, 5, 275-286.	2.3	11
371	Characterization and compatibility of hydroxyethyl starchâ€“polyethylenimine copolymers for DNA delivery. Journal of Biomaterials Science, Polymer Edition, 2014, 25, 855-871.	1.9	11
372	Synergistic Combination of Calcium and Citrate in Mesoporous Nanoparticles Targets Pleural Tumors. CheM, 2021, 7, 480-494.	5.8	11
373	Transient Permeabilization of Living Cells: Combining Shear Flow and Acoustofluidic Trapping for the Facilitated Uptake of Molecules. Processes, 2021, 9, 913.	1.3	11
374	Gene-Modified Dendritic Cells by Receptor-Mediated Transfection. Advances in Experimental Medicine and Biology, 1998, 451, 449-455.	0.8	11
375	Sequence-Defined Oligoaminoamides for the Delivery of siRNAs. Methods in Molecular Biology, 2015, 1206, 15-27.	0.4	11
376	Selective sodium iodide symporter (NIS) gene therapy of glioblastoma mediated by EGFR-targeted lipopolyplexes. Molecular Therapy - Oncolytics, 2021, 23, 432-446.	2.0	11
377	Transferrin Receptor Targeted Polyplexes Completely Comprised of Sequenceâ€Defined Components. Macromolecular Rapid Communications, 2022, 43, e2100602.	2.0	11
378	Liposomes as cytokine-supplement in tumor cell-based vaccines. International Journal of Pharmaceutics, 1999, 183, 33-36.	2.6	10

#	Article	IF	Citations
379	Transfection of epithelial cells is enhanced by combined treatment with mannitol and polyethyleneglycol. Journal of Gene Medicine, 2001, 3, 115-124.	1.4	10
380	Effects of Raf-1 siRNA on human cerebral microvascular endothelial cells: A potential therapeutic strategy for inhibition of tumor angiogenesis. Brain Research, 2006, 1125, 147-154.	1.1	10
381	Novel Biocompatible Cationic Copolymers Based on Polyaspartylhydrazide Being Potent as Gene Vector on Tumor Cells. Pharmaceutical Research, 2007, 24, 2213-2222.	1.7	10
382	Sequential Salinomycin Treatment Results in Resistance Formation through Clonal Selection of Epithelial-Like Tumor Cells. Translational Oncology, 2014, 7, 702-711.	1.7	10
383	Stability and activity of hydroxyethyl starch-coated polyplexes in frozen solutions or lyophilizates. International Journal of Pharmaceutics, 2014, 469, 50-58.	2.6	10
384	Combined antitumoral effects of pretubulysin and methotrexate. Pharmacology Research and Perspectives, 2019, 7, e00460.	1.1	10
385	Monitoring integrity and localization of modified single-stranded RNA oligonucleotides using ultrasensitive fluorescence methods. PLoS ONE, 2017, 12, e0173401.	1.1	10
386	Performance of nanoparticles for biomedical applications: The <i>in vitro</i>/<i>in vivo</i> discrepancy. Biophysics Reviews, 2022, 3, .	1.0	10
387	Technology evaluation: TNFerade, GenVec. Current Opinion in Molecular Therapeutics, 2003, 5, 437-47.	2.8	10
388	The sodium iodide symporter (NIS) as theranostic gene: its emerging role in new imaging modalities and non-viral gene therapy. EJNMMI Research, 2022, 12, 25.	1.1	10
389	CAR T Cells Targeting Membrane-Bound Hsp70 on Tumor Cells Mimic Hsp70-Primed NK Cells. Frontiers in Immunology, 2022, 13, .	2.2	10
390	Effects of hypoxia and limited diffusion in tumor cell microenvironment on bystander effect of P450 prodrug therapy. Cancer Gene Therapy, 2006, 13, 771-779.	2.2	9
391	Acrolein: unwanted side product or contribution to antiangiogenic properties of metronomic cyclophosphamide therapy?. Journal of Cellular and Molecular Medicine, 2008, 12, 2704-2716.	1.6	9
392	DNA as Tunable Adaptor for siRNA Polyplex Stabilization and Functionalization. Molecular Therapy - Nucleic Acids, 2016, 5, e288.	2.3	9
393	Exploring Cytotoxic mRNAs as a Novel Class of Anti-cancer Biotherapeutics. Molecular Therapy - Methods and Clinical Development, 2018, 8, 141-151.	1.8	9
394	Click-Shielded and Targeted Lipopolyplexes. Methods in Molecular Biology, 2019, 2036, 141-164.	0.4	9
395	Multifunctional CPP Polymer System for Tumor-Targeted pDNA and siRNA Delivery. Methods in Molecular Biology, 2011, 683, 453-463.	0.4	9
396	Targeting of polyplexes: toward synthetic virus vector systems. Advances in Genetics, 2005, 53, 333-54.	0.8	9

#	Article	IF	Citations
397	Chirale Lactole, XI. Eine Methode zur Bestimmung der Absolutkonfiguration chiraler Alkanole. Chemische Berichte, 1994, 127, 887-892.	0.2	8
398	Functional modification of amide-crosslinked oligoethylenimine for improved siRNA delivery. Reactive and Functional Polymers, 2011, 71, 288-293.	2.0	8
399	Artificial peptides for antitumoral siRNA delivery. Journal of Materials Chemistry B, 2020, 8, 2020-2031.	2.9	8
400	Controlling Nanoparticle Formulation: A Low-Budget Prototype for the Automation of a Microfluidic Platform. Processes, 2021, 9, 129.	1.3	8
401	Ligandâ€"Polycation Conjugates for Receptor-Targeted Gene Transfer. , 1999, , 207-227.		8
402	Phase I study to the immunotherapy of metastatic malignant melanoma by a cancer vaccine consisting of autologous cancer cells transfected with the human IL-2 gene. Journal of Molecular Medicine, 1997, 75, 297-299.	1.7	7
403	Design of Polyâ€<scp>l</scp>â€Glutamateâ€Based Complexes for pDNA Delivery. Macromolecular Bioscience, 2017, 17, 1700029.	2.1	7
404	Solid-phase supported design of carriers for therapeutic nucleic acid delivery. Bioscience Reports, 2017, 37, .	1.1	7
405	A proteomic analysis of an in vitro knock-out of miR-200c. Scientific Reports, 2018, 8, 6927.	1.6	7
406	A proteomic analysis of chemoresistance development via sequential treatment with doxorubicin reveals novel players in MCFâ€'7 breast cancer cells. International Journal of Molecular Medicine, 2018, 42, 1987-1997.	1.8	7
407	Combination Chemotherapy of L1210 Tumors in Mice with Pretubulysin and Methotrexate Lipo-Oligomer Nanoparticles. Molecular Pharmaceutics, 2019, 16, 2405-2417.	2.3	7
408	Synthesis of Polyethylenimine-Based Nanocarriers for Systemic Tumor Targeting of Nucleic Acids. Methods in Molecular Biology, 2019, 1943, 83-99.	0.4	7
409	Polymer Based Systems for Tumor-Targeted Gene Delivery. Nature Biotechnology, 1999, 17, 15-15.	9.4	6
410	Reactivation of the Mitosis-Promoting Factor in Postmitotic Cardiomyocytes. Cells Tissues Organs, 2003, 175, 61-71.	1.3	6
411	Photochemical Internalization of Transgenes Controlled by the Heat-shock Protein 70 Promoter. Photochemistry and Photobiology, 2006, 82, 809.	1.3	6
412	Functional Polymer Conjugates for Medicinal Nucleic Acid Delivery. Advances in Polymer Science, 2011, , 1-29.	0.4	6
413	Combining polyethylenimine and Fe(III) for mediating pDNA transfection. Biochimica Et Biophysica Acta - General Subjects, 2015, 1850, 1325-1335.	1.1	6
414	From Artificial Amino Acids to Sequence-Defined Targeted Oligoaminoamides. Methods in Molecular Biology, 2016, 1445, 235-258.	0.4	6

#	Article	IF	Citations
415	Somatic gene transfer into the lactating ovine mammary gland. Journal of Gene Medicine, 2002, 4, 282-291.	1.4	5
416	Hydrogen Bonding in Î±-Aminophosphonic Acids. Phosphorus, Sulfur and Silicon and the Related Elements, 2012, 187, 165-180.	0.8	5
417	Size tunable nanoparticle formation employing droplet fusion by acoustic streaming applied to polyplexes. Journal Physics D: Applied Physics, 2019, 52, 244002.	1.3	5
418	A microfluidic approach for sequential assembly of siRNA polyplexes with a defined structure-activity relationship. , 0, 1, e1.		5
419	Crossâ€Linkable Polyion Complex Micelles from Polypept(o)ideâ€Based ABCâ€Triblock Copolymers for siRNA Delivery. Macromolecular Rapid Communications, 2022, 43, e2100698.	2.0	5
420	Generation of high-titer retroviral vectors following receptor-mediated, adenovirus-augmented transfection. BioTechniques, 1995, 18, 484-9.	0.8	5
421	Preparation of Adenovirusâ€Polylysineâ€DNA Complexes. Current Protocols in Human Genetics, 1996, 11, Unit 12.3.	3.5	4
422	Xenogenization by tetanus toxoid loading into lymphoblastoid cell lines and primary human tumor cells mediated by polycations and liposomes. Cancer Letters, 2000, 161, 241-250.	3.2	4
423	Synthesis of Linear Polyethylenimine and Use in Transfection. Cold Spring Harbor Protocols, 2012, 2012, pdb.prot067868.	0.2	4
424	Gene Transfer with Sequence-Defined Oligo(ethanamino)amides Bioreducibly Attached to a Propylenimine Dendrimer Core. Pharmaceutical Nanotechnology, 2013, 1, 269-281.	0.6	4
425	In vitro and in vivo characterization of the actin polymerizing compound chondramide as an angiogenic inhibitor. Cardiovascular Research, 2014, 104, 303-314.	1.8	4
426	Nanoparticle Technology: Having Impact, but Needing Further Optimization. Molecular Therapy, 2017, 25, 1461-1463.	3.7	4
427	Versatile, Multifunctional Block Copolymers for the Self-Assembly of Well-Defined, Nontoxic pDNA Polyplexes. ACS Applied Polymer Materials, 2020, 2, 5469-5481.	2.0	4
428	Sequence-defined shuttles for targeted nucleic acid and protein delivery. Therapeutic Delivery, 2014, 5, 1025-1045.	1.2	3
429	Call for papers: Nanoparticle Development and Applications in Cellular and Molecular Therapies. Molecular Therapy, 2016, 24, 1334-1335.	3.7	3
430	Polycation-based DNA complexes for tumor-targeted gene delivery in vivo. , 1999, 1, 111.		3
431	Nonviral Vector Systems for Cancer Gene Therapy. , 2005, , 367-378.		3
432	Gene Therapy â€œMade in Germanyâ€: A Historical Perspective, Analysis of the Status Quo, and Recommendations for Action by the German Society for Gene Therapy. Human Gene Therapy, 2021, 32, 987-996.	1.4	3

#	Article	IF	Citations
433	Receptor-Targeted Dual pH-Triggered Intracellular Protein Transfer. ACS Biomaterials Science and Engineering, 2024, 10, 99-114.	2.6	3
434	Synthesis, NMRâ€Spectroscopy, and Molecular Structure of a Phosphonyl Ene Diamine. Zeitschrift Fur Anorganische Und Allgemeine Chemie, 2011, 637, 1213-1219.	0.6	2
435	Synthesis and characterization of new platinum(II) phosphinate complexes. Journal of Coordination Chemistry, 2012, 65, 1093-1106.	0.8	2
436	Cadmium Telluride Quantum Dots as a Fluorescence Marker for Adipose Tissue Grafts. Annals of Plastic Surgery, 2017, 78, 217-222.	0.5	2
437	Combinatorial siRNA Polyplexes for Receptor Targeting. Methods in Molecular Biology, 2019, 1974, 83-98.	0.4	2
438	Transmembrane Targeting of DNA with Membrane Active Peptides. , 2002, , 441-458.		2
439	Enhancing Endosomal Exit of Nucleic Acids Using pH-Sensitive Viral Fusion Peptides. , 2017, , 247-266.		2
440	RNAi-Based Nano-Oncologicals: Delivery and Clinical Applications. Advances in Delivery Science and Technology, 2014, , 245-268.	0.4	2
441	Advances in cancer gene therapy: tumor-targeted delivery of therapeutic pDNA, siRNA, and dsRNA nucleic acids. Journal of B U on, 2007, 12 Suppl 1, S77-82.	0.4	2
442	In Vitro Gene Transfection with Surface-Modified Gelatin Nanoparticles. , 0, , .		1
443	Influences on Cellular Adhesion of Nanoparticles under Blood Flow-Like Conditions. Biophysical Journal, 2014, 106, 210a.	0.2	1
444	Multifunctional Oligoaminoamides for the Receptor-Specific Delivery of Therapeutic RNA. Methods in Molecular Biology, 2015, 1324, 369-386.	0.4	1
445	Sequence-defined nucleic acid carriers combining distinct modules for complexation, shielding, receptor-targeting and endosomal escape. Journal of Controlled Release, 2015, 213, e106-e107.	4.8	1
446	Sequence-Defined Cationic Lipo-Oligomers Containing Unsaturated Fatty Acids for Transfection. Methods in Molecular Biology, 2019, 1943, 1-25.	0.4	1
447	Complement Activation by Polylysine-DNA Complexes. , 1996, , 125-130.		1
448	Receptor-Targeted Polyplexes for DNA and siRNA Delivery. , 2008, , .		1
449	Nucleic Acid-Based Therapeutics for Glioblastoma. Anti-Cancer Agents in Medicinal Chemistry, 2011, 11, 693-699.	0.9	1
450	Developmental and Cell Cycle Regulation of Alfalfa nucMs1, a Plant Homolog of the Yeast Nsr1 and Mammalian Nucleolin. Plant Cell, 1996, 8, 417.	3.1	0

#	Article	IF	Citations
451	Membrane destabilization for improved cystolic delivery. Advanced Drug Delivery Reviews, 1999, 38, 195.	6.6	0
452	Polymer-Based Gene Delivery Systems. Drugs and the Pharmaceutical Sciences, 2003, , .	0.1	0
453	Corrigendum to â€œCellular Dynamics of EGF Receptorâ€"targeted Synthetic Virusesâ€ Molecular Therapy, 2007, 15, 1735.	3.7	0
454	A microscopic view on photo-induced polyplex release from endosomes. Journal of Controlled Release, 2008, 132, e1-e2.	4.8	0
455	632: Tamoxifen resistance can be overcome by salinomycin treatment. European Journal of Cancer, 2014, 50, S151.	1.3	0
456	Self-assembled amphiphilic sequence-defined PEGylated three-arm oligo(ethanamino)amides via NCL reaction for drug delivery: Impact of building blocks on controlled release. Journal of Controlled Release, 2015, 213, e14-e15.	4.8	0
457	Traceless pH sensitive coating of polyplexes prepared from well-defined polycations. Journal of Controlled Release, 2015, 213, e70.	4.8	0
458	493. Nonviral Gene Transfer by Sequence-Defined Proton-Sponges with Combined Nucleic Acid Binding and Endosomal Buffering: Balancing Basicities. Molecular Therapy, 2016, 24, S195.	3.7	0
459	2. Nanomedicines for targeted therapy. , 2018, , 16-36.		0
460	ANGI-03. PHARMACOLOGICAL TARGETING OF APELIN/APLNR SIGNALING BLUNTS THERAPY RESISTANCE TO VEGFA/VEGFR2 ANTI-ANGIOGENIC TREATMENT IN GLIOBLASTOMA. Neuro-Oncology, 2019, 21, vi30-vi30.	0.6	0
461	Receptor-Targeted Polyplexes. , 2003, , 223-244.		0
462	Non-Viral Gene Delivery Systems â€" Delivery Techniques and Therapeutic Concepts for Cancer. , 2004, , 79-92.		0
463	Transferrin Receptor-Targeted Gene Delivery Systems. , 2004, , .		0
464	Polymer Nonviral Delivery Vehicles. , 2004, , 1047-1051.		0
465	Recent Developments in the Application of Plasmid DNA-Based Vectors and Small Interfering RNA Therapeutics for Cancer. Human Gene Therapy, 2006, .	1.4	0
466	In Vivo Imaging In the Individualized Mouse Model of Acute Lymphoblastic Leukemia Enables Highly Sensitive and Continuous Follow up of Patient-Derived Xenografts. Blood, 2010, 116, 3259-3259.	0.6	0
467	Liver Detargeting of Adenoviral Vectors by Polymer Coating after Systemic Delivery Using the Sodium Iodide Symporter (NIS) as Reporter Gene. , 2011, , P2-678-P2-678.		0
468	Imaging of mesenchymal stem cell recruitment into the stroma of hepatic colon cancer metastases using the sodium iodide symporter (NIS). Experimental and Clinical Endocrinology and Diabetes, 2013, 121, .	0.6	0

#	Article	IF	Citations
469	Nano-encapsulation of Oligonucleotides for Therapeutic Use. Nucleic Acids and Molecular Biology, 2014, , 245-260.	0.2	0
470	RECEPTOR-MEDIATED GENE DELIVERY INTO MAMMALIAN CELLS. , 1994, , 30-34.		0
471	The Generation of Tumor Vaccines by Adenovirus-Enhanced Transferrinfection of Cytokine Genes into Tumor Cells. , 1994, , 457-466.		0
472	Rezeptorvermittelter Gentransfer Anwendung in der Tumorimmunotherapie?. , 1995, , 389-392.		0
473	Receptor-Mediated Gene Delivery with Synthetic Virus-Like Particles. , 1996, , 67-77.		0
474	Receptor Mediated Gene Transfer. , 1999, , 47-59.		0
475	Non-Viral Delivery Vehicles. , 0, , 5738-5741.		0
476	Non-Viral Delivery Vehicles. , 2017, , 1272-1275.		0
477	In vivo tracking of adipose tissue grafts with cadmium-telluride quantum dots. Archives of Plastic Surgery, 2018, 45, 111-117.	0.4	0
478	Polymer-Based Tumor-targeted Nanosystems. , 2020, , 371-411.		0