Ernst Wagner

List of Publications by Year
in descending order

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		3531	4991
478	35,824	90	167
papers	citations	h-index	g-index

516	516	516	21813
all docs	docs citations	times ranked	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.	4.5	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.	7.1	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.	7.1	678
4	Different behavior of branched and linear polyethylenimine for gene deliveryin vitro andin vivo. Journal of Gene Medicine, 2001, 3, 362-372.	2.8	665
5	Design and gene delivery activity of modified polyethylenimines. Advanced Drug Delivery Reviews, 2001, 53, 341-358.	13.7	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.	3.4	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.	2.7	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.	4.5	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.	7.1	504
10	Nucleic Acid Therapeutics Using Polyplexes: A Journey of 50 Years (and Beyond). Chemical Reviews, 2015, 115, 11043-11078.	47.7	495
11	Cell cycle dependence of gene transfer by lipoplex, polyplex and recombinant adenovirus. Gene Therapy, 2000, 7, 401-407.	4.5	489
12	Polylysine-based transfection systems utilizing receptor-mediated delivery. Advanced Drug Delivery Reviews, 1998, 30, 97-113.	13.7	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.	7.1	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.	3.4	463
15	Nomenclature for Synthetic Gene Delivery Systems. Human Gene Therapy, 1997, 8, 511-512.	2.7	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.	7.1	437
17	Purification of polyethylenimine polyplexes highlights the role of free polycations in gene transfer. Journal of Gene Medicine, 2004, 6, 1102-1111.	2.8	417
18	Simple Modifications of Branched PEI Lead to Highly Efficient siRNA Carriers with Low Toxicity. Bioconjugate Chemistry, 2008, 19, 1448-1455.	3.6	411

#	Article	IF	Citations
19	Polycation-based DNA complexes for tumor-targeted gene deliveryin vivo. Journal of Gene Medicine, 1999, 1, 111-120.	2.8	406
20	Coupling of cell-binding ligands to polyethylenimine for targeted gene delivery. Gene Therapy, 1997, 4, 409-418.	4.5	358
21	Polyethylenimine/DNA complexes shielded by transferrin target gene expression to tumors after systemic application. Gene Therapy, 2001, 8, 28-40.	4.5	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.	7.1	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.	3.6	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.	2.7	231
38	Different Strategies for Formation of PEGylated EGF-Conjugated PEI/DNA Complexes for Targeted Gene Delivery. Bioconjugate Chemistry, 2001, 12, 529-537.	3.6	226
39	Mannose Polyethylenimine Conjugates for Targeted DNA Delivery into Dendritic Cells. Journal of Biological Chemistry, 1999, 274, 19087-19094.	3.4	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.	3.5	218
41	Imparting Functionality to MOF Nanoparticles by External Surface Selective Covalent Attachment of Polymers. Chemistry of Materials, 2016, 28, 3318-3326.	6.7	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.	1.6	193
43	Application of membrane-active peptides for nonviral gene delivery. Advanced Drug Delivery Reviews, 1999, 38, 279-289.	13.7	188
44	An RGDâ€“Oligolysine Peptide: A Prototype Construct for Integrin-Mediated Gene Delivery. Human Gene Therapy, 1998, 9, 1037-1047.	2.7	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.	13.7	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.	13.7	171
48	Click Chemistry for High-Density Biofunctionalization of Mesoporous Silica. Journal of the American Chemical Society, 2008, 130, 12558-12559.	13.7	168
49	Synthesis and Biological Evaluation of a Bioresponsive and Endosomolytic siRNAâ^'Polymer Conjugate. Molecular Pharmaceutics, 2009, 6, 752-762.	4.6	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.	13.8	161
51	Cellular Dynamics of EGF Receptorâ€“Targeted Synthetic Viruses. Molecular Therapy, 2007, 15, 1297-1305.	8.2	159
52	Targeting tumors with non-viral gene delivery systems. Drug Discovery Today, 2002, 7, 479-485.	6.4	153
53	Polyplex Evolution: Understanding Biology, Optimizing Performance. Molecular Therapy, 2017, 25, 1476-1490.	8.2	146
54	Tumor targeting with surface-shielded ligandâ€“polycation DNA complexes. Journal of Controlled Release, 2001, 72, 165-170.	9.9	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.	3.6	140
56	Multifunctional polymer-capped mesoporous silica nanoparticles for pH-responsive targeted drug delivery. Nanoscale, 2015, 7, 7953-7964.	5.6	134
57	Non-viral approaches to gene therapy. Current Opinion in Biotechnology, 1993, 4, 705-710.	6.6	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.	5.2	132
59	An Acetal-Based PEGylation Reagent for pH-Sensitive Shielding of DNA Polyplexes. Bioconjugate Chemistry, 2007, 18, 1218-1225.	3.6	132
60	Regulation of the Tissue Factor Promoter in Endothelial Cells. Journal of Biological Chemistry, 1995, 270, 3849-3857.	3.4	132
61	Bid-induced release of AIF from mitochondria causes immediate neuronal cell death. Cell Death and Differentiation, 2008, 15, 1553-1563.	11.2	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.	9.9	127
63	Nanosized Multifunctional Polyplexes for Receptor-Mediated SiRNA Delivery. ACS Nano, 2012, 6, 5198-5208.	14.6	127
64	The Transport of Nanosized Gene Carriers Unraveled by Live-Cell Imaging. Angewandte Chemie - International Edition, 2006, 45, 1568-1572.	13.8	123
65	Programmed drug delivery: nanosystems for tumor targeting. Expert Opinion on Biological Therapy, 2007, 7, 587-593.	3.1	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.	2.7	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.	4.5	118
68	Photochemical Internalization: A New Tool for Drug Delivery. Current Pharmaceutical Biotechnology, 2007, 8, 362-372.	1.6	116
69	Fine-tuning of proton sponges by precise diaminoethanes and histidines in pDNA polyplexes. Nanomedicine: Nanotechnology, Biology, and Medicine, 2014, 10, 35-44.	3.3	116
70	Receptor-Mediated Gene Transfer into Human T LymphocytesviaBinding of DNA/CD3 Antibody Particles to the CD3 T Cell Receptor Complex. Human Gene Therapy, 1995, 6, 753-761.	2.7	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.	9.1	111
72	Novel Fmoc-Polyamino Acids for Solid-Phase Synthesis of Defined Polyamidoamines. Organic Letters, 2011, 13, 1586-1589.	4.6	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.	9.9	106
74	miR-200c Sensitizes Breast Cancer Cells to Doxorubicin Treatment by Decreasing TrkB and Bmi1 Expression. PLoS ONE, 2012, 7, e50469.	2.5	105
75	A Multistage Cooperative Nanoplatform Enables Intracellular Coâ€Delivery of Proteins and Chemotherapeutics for Cancer Therapy. Advanced Materials, 2020, 32, e2000013.	21.0	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.	1.0	102
78	Specific systemic nonviral gene delivery to human hepatocellular carcinoma xenografts in SCID mice. Hepatology, 2002, 36, 1106-1114.	7.3	102
79	DirectIn VivoGene Transfer to Airway Epithelium Employing Adenovirusâ€“Polylysineâ€“DNA Complexes. Human Gene Therapy, 1993, 4, 17-24.	2.7	101
80	Structureâ€“activity relationships of siRNA carriers based on sequence-defined oligo (ethane amino) amides. Journal of Controlled Release, 2012, 160, 532-541.	9.9	101
81	Nitric oxideâ€”A novel therapeutic for cancer. Nitric Oxide - Biology and Chemistry, 2008, 19, 192-198.	2.7	100
82	NK-kappa B subunit-specific regulation of the I kappa B alpha promoter.. Journal of Biological Chemistry, 1994, 269, 13551-13557.	3.4	100
83	Efficient Gene Delivery into Human Dendritic Cells by Adenovirus Polyethylenimine and Mannose Polyethylenimine Transfection. Human Gene Therapy, 1999, 10, 775-786.	2.7	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.	8.2	99
85	Defined Folate-PEG-siRNA Conjugates for Receptor-specific Gene Silencing. Molecular Therapy - Nucleic Acids, 2012, 1, e7.	5.1	98
86	Pyridylhydrazone-based PEGylation for pH-reversible lipopolyplex shielding. Biomaterials, 2011, 32, 858-869.	11.4	97
87	Highly efficient siRNA delivery from coreâ€“shell mesoporous silica nanoparticles with multifunctional polymer caps. Nanoscale, 2016, 8, 4007-4019.	5.6	97
88	Delayed neuronal death after brain trauma involves p53-dependent inhibition of NF-ÎºB transcriptional activity. Cell Death and Differentiation, 2007, 14, 1529-1541.	11.2	96
89	Dual-targeted polyplexes: One step towards a synthetic virus for cancer gene therapy. Journal of Controlled Release, 2011, 152, 127-134.	9.9	96
90	Effects of membrane-active agents in gene delivery. Journal of Controlled Release, 1998, 53, 155-158.	9.9	95

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91	Degradable gene carriers based on oligomerized polyamines. European Journal of Pharmaceutical Sciences, 2006, 29, 414-425.	4.0	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.	0.9	94
93	Temperature Dependent Gene Expression Induced by PNIPAM-Based Copolymers:â€‰ Potential of Hyperthermia in Gene Transfer. Bioconjugate Chemistry, 2006, 17, 766-772.	3.6	92
94	Novel degradable oligoethylenimine acrylate ester-based pseudodendrimers for in vitro and in vivo gene transfer. Gene Therapy, 2008, 15, 18-29.	4.5	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.	3.4	92
96	Acetal Linked Oligoethylenimines for Use As pH-Sensitive Gene Carriers. Bioconjugate Chemistry, 2008, 19, 1625-1634.	3.6	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.	9.9	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.	2.4	90
99	EGF Receptor-Targeted Synthetic Double-Stranded RNA Eliminates Glioblastoma, Breast Cancer, and Adenocarcinoma Tumors in Mice. PLoS Medicine, 2005, 3, e6.	8.4	90
100	Stabilizing effect of tyrosine trimers on pDNA and siRNA polyplexes. Biomaterials, 2013, 34, 1624-1633.	11.4	90
101	NK-kappa B subunit-specific regulation of the I kappa B alpha promoter. Journal of Biological Chemistry, 1994, 269, 13551-7.	3.4	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.	2.8	89
103	Dynamics of photoinduced endosomal release of polyplexes. Journal of Controlled Release, 2008, 130, 175-182.	9.9	89
104	Nanoparticles bearing polyethyleneglycol-coupled transferrin as gene carriers: preparation and in vitro evaluation. International Journal of Pharmaceutics, 2003, 259, 93-101.	5.2	88
105	Synthesis of Coreâ€“Shell Graphitic Carbon@Silica Nanospheres with Dual-Ordered Mesopores for Cancer-Targeted Photothermochemotherapy. ACS Nano, 2014, 8, 7870-7879.	14.6	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.	8.2	87
107	The stem cell factor SOX2 regulates the tumorigenic potential in human gastric cancer cells. Carcinogenesis, 2014, 35, 942-950.	2.8	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.	4.6	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.	2.8	83
110	Influence of Membrane-Active Peptides on Lipospermine/DNA Complex Mediated Gene Transfer. Bioconjugate Chemistry, 1997, 8, 213-221.	3.6	82
111	Amine-reactive pyridylhydrazone-based PEG reagents for pH-reversible PEI polyplex shielding. European Journal of Pharmaceutical Sciences, 2008, 34, 309-320.	4.0	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.	3.7	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.	8.2	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.	9.9	78
115	Rhinovirus-mediated endosomal release of transfection complexes. Journal of Virology, 1995, 69, 1085-1092.	3.4	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.	3.5	77
117	In vitro andin vivo delivery of intact BAC DNAâ€“ comparison of different methods. Journal of Gene Medicine, 2004, 6, 195-209.	2.8	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.	3.6	76
119	Hydrophobically Modified Oligoethylenimines as Highly Efficient Transfection Agents for siRNA Delivery. Bioconjugate Chemistry, 2009, 20, 2055-2061.	3.6	76
120	Glycerol Enhancement of Ligand-Polylysine/DNA Transfection. BioTechniques, 1996, 20, 905-913.	1.8	75
121	Stabilization of gene delivery systems by freeze-drying. International Journal of Pharmaceutics, 1997, 157, 233-238.	5.2	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.	5.9	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.	9.9	75
124	Causal Role of Apoptosis-Inducing Factor for Neuronal Cell Death Following Traumatic Brain Injury. American Journal of Pathology, 2008, 173, 1795-1805.	3.8	75
125	Optical imaging of transferrin targeted PEI/DNA complexes in living subjects. Gene Therapy, 2003, 10, 758-764.	4.5	73
126	Coordinative Binding of Polymers to Metalâ€“Organic Framework Nanoparticles for Control of Interactions at the Biointerface. ACS Nano, 2019, 13, 3884-3895.	14.6	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.	14.5	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.	3.4	72
129	Targeted nucleic acid delivery into tumors: new avenues for cancer therapy. Biomedicine and Pharmacotherapy, 2004, 58, 152-161.	5.6	70
130	Optimizing targeted gene delivery: Chemical modification of viral vectors and synthesis of artificial virus vector systems. AAPS Journal, 2006, 8, E731-E742.	4.4	70
131	Acid-Labile Traceless Click Linker for Protein Transduction. Journal of the American Chemical Society, 2012, 134, 10169-10173.	13.7	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.	2.9	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.	7.1	69
134	Photochemical Internalization (PCI): A Technology for Drug Delivery. Methods in Molecular Biology, 2010, 635, 133-145.	0.9	69
135	Epidermal Growth Factorâ€“PEG Functionalized PAMAM-Pentaethylenehexamine Dendron for Targeted Gene Delivery Produced by Click Chemistry. Biomacromolecules, 2011, 12, 2039-2047.	5.4	69
136	Nucleic Acid Carriers Based on Precise Polymer Conjugates. Bioconjugate Chemistry, 2011, 22, 1737-1752.	3.6	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.	9.9	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.	2.6	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.	11.4	68
140	An Acid Sensitive Ketal-Based Polyethylene Glycol-Oligoethylenimine Copolymer Mediates Improved Transfection Efficiency at Reduced Toxicity. Pharmaceutical Research, 2008, 25, 2937-2945.	3.5	67
141	Polymeric Carriers for Nucleic Acid Delivery: Current Designs and Future Directions. Biomacromolecules, 2019, 20, 3613-3626.	5.4	67
142	The proto-oncogene KRAS is targeted by miR-200c. Oncotarget, 2014, 5, 185-195.	1.8	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.	3.8	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.	2.7	66

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145	Monomolecular Assembly of siRNA and Poly(ethylene glycol)â^'Peptide Copolymers. Biomacromolecules, 2008, 9, 724-732.	5.4	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.	5.0	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.	7.0	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.	2.8	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.	5.1	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.	6.6	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.	2.7	64
152	pHâ€Responsive Release of Acetalâ€Linked Melittin from SBAâ€15 Mesoporous Silica. Angewandte Chemie - International Edition, 2011, 50, 6828-6830.	13.8	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.	5.0	64
154	V-ATPase Inhibition Regulates Anoikis Resistance and Metastasis of Cancer Cells. Molecular Cancer Therapeutics, 2014, 13, 926-937.	4.1	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.	0.8	64
156	Lymphocyte apoptosis: induction by gene transfer techniques. Gene Therapy, 1997, 4, 296-302.	4.5	63
157	The impact of carboxyalkylation of branched polyethylenimine on effectiveness in small interfering RNA delivery. Journal of Gene Medicine, 2010, 12, 729-738.	2.8	63
158	Highly Crystalline Multicolor Carbon Nanodots for Dual-Modal Imaging-Guided Photothermal Therapy of Glioma. ACS Applied Materials & Interfaces, 2018, 10, 4031-4040.	8.0	63
159	The cdc2Ms Kinase Is Differently Regulated in the Cytoplasm and in the Nucleus. Plant Physiology, 1997, 113, 841-852.	4.8	61
160	Histidine-rich stabilized polyplexes for cMet-directed tumor-targeted gene transfer. Nanoscale, 2015, 7, 5350-5362.	5.6	61
161	Alternation of histone and DNA methylation in human atherosclerotic carotid plaques. Thrombosis and Haemostasis, 2015, 114, 390-402.	3.4	60
162	Tumor-targeted gene delivery: an attractive strategy to use highly active effector molecules in cancer treatment. Gene Therapy, 2002, 9, 731-735.	4.5	59

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163	Photochemically Enhanced Gene Delivery of EGF Receptor-targeted DNA Polyplexes. Journal of Drug Targeting, 2004, 12, 205-213.	4.4	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.	9.9	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.	14.5	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.	2.6	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.	5.9	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.	2.8	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.	2.8	58
171	V-ATPase inhibition by archazolid leads to lysosomal dysfunction resulting in impaired cathepsin B activationin vivo. International Journal of Cancer, 2014, 134, 2478-2488.	5.1	58
172	History of Polymeric Gene Delivery Systems. Topics in Current Chemistry, 2017, 375, 26.	5.8	58
173	pH-responsive shielding of non-viral gene vectors. Expert Opinion on Drug Delivery, 2006, 3, 563-571.	5.0	57
174	Electrophoretic purification of tumor-targeted polyethylenimine-based polyplexes reduces toxic side effects in vivo. Journal of Controlled Release, 2007, 122, 236-245.	9.9	57
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