Jordan J Green

List of Publications by Year
in descending order

171 papers	9,909 citations	26630 56 h-index	40979 93 g-index
176 all docs	176 docs citations	176 times ranked	12426 citing authors

#	Article	IF	Citations
1	A Combinatorial Polymer Library Approach Yields Insight into Nonviral Gene Delivery. Accounts of Chemical Research, 2008, 41, 749-759.	15.6	530
2	Mimicking biological functionality with polymers for biomedical applications. Nature, 2016, 540, 386-394.	27.8	389
3	Hypoxia-inducible factors and RAB22A mediate formation of microvesicles that stimulate breast cancer invasion and metastasis. Proceedings of the National Academy of Sciences of the United States of America, 2014, 111, E3234-42.	7.1	367
4	Genetic engineering of human stem cells for enhanced angiogenesis using biodegradable polymeric nanoparticles. Proceedings of the National Academy of Sciences of the United States of America, 2010, 107, 3317-3322.	7.1	278
5	Gold, Poly(Î²-amino ester) Nanoparticles for Small Interfering RNA Delivery. Nano Letters, 2009, 9, 2402-2406.	9.1	258
6	Polymeric Materials for Gene Delivery and DNA Vaccination. Advanced Materials, 2009, 21, 847-867.	21.0	241
7	Particle shape dependence of CD8+ T cell activation by artificial antigen presenting cells. Biomaterials, 2014, 35, 269-277.	11.4	206
8	Polymeric Nanoparticles for Nonviral Gene Therapy Extend Brain Tumor Survival in Vivo. ACS Nano, 2015, 9, 1236-1249.	14.6	203
9	Biodegradable Polymeric Nanoparticles Show High Efficacy and Specificity at DNA Delivery to Human Glioblastoma in Vitro and in Vivo. ACS Nano, 2014, 8, 5141-5153.	14.6	181
10	Biodegradable STING agonist nanoparticles for enhanced cancer immunotherapy. Nanomedicine: Nanotechnology, Biology, and Medicine, 2018, 14, 237-246.	3.3	172
11	Biodegradable Polymeric Nanoparticles for Therapeutic Cancer Treatments. Annual Review of Chemical and Biomolecular Engineering, 2018, 9, 105-127.	6.8	161
12	Bioreducible Cationic Polymer-Based Nanoparticles for Efficient and Environmentally Triggered Cytoplasmic siRNA Delivery to Primary Human Brain Cancer Cells. ACS Nano, 2014, 8, 3232-3241.	14.6	153
13	Biodegradable Polymeric Vectors for Gene Delivery to Human Endothelial Cells. Bioconjugate Chemistry, 2006, 17, 1162-1169.	3.6	151
14	Combinatorial Modification of Degradable Polymers Enables Transfection of Human Cells Comparable to Adenovirus. Advanced Materials, 2007, 19, 2836-2842.	21.0	151
15	Biodegradable Nanoellipsoidal Artificial Antigen Presenting Cells for Antigen Specific Tâ€Cell Activation. Small, 2015, 11, 1519-1525.	10.0	148
16	Biomimetic anisotropic polymeric nanoparticles coated with red blood cell membranes for enhanced circulation and toxin removal. Science Advances, 2020, 6, eaay9035.	10.3	148
17	Cancerâ€Targeting Nanoparticles for Combinatorial Nucleic Acid Delivery. Advanced Materials, 2020, 32, e1901081.	21.0	146
18	Noninvasive Targeted Transcranial Neuromodulation via Focused Ultrasound Gated Drug Release from Nanoemulsions. Nano Letters, 2017, 17, 652-659.	9.1	140

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19	Non-viral gene delivery nanoparticles based on Poly(Î²-amino esters) for treatment of glioblastoma. Biomaterials, 2011, 32, 5402-5410.	11.4	133
20	Uptake and Transfection with Polymeric Nanoparticles Are Dependent on Polymer End-Group Structure, but Largely Independent of Nanoparticle Physical and Chemical Properties. Molecular Pharmaceutics, 2012, 9, 3375-3383.	4.6	133
21	Carboxylated branched poly(Î²-amino ester) nanoparticles enable robust cytosolic protein delivery and CRISPR-Cas9 gene editing. Science Advances, 2019, 5, eaay3255.	10.3	127
22	Tissue-specific gene delivery via nanoparticle coating. Biomaterials, 2010, 31, 998-1006.	11.4	123
23	Electrostatic Ligand Coatings of Nanoparticles Enable Ligand-Specific Gene Delivery to Human Primary Cells. Nano Letters, 2007, 7, 874-879.	9.1	118
24	Bioreducible Polymeric Nanoparticles Containing Multiplexed Cancer Stem Cell Regulating miRNAs Inhibit Glioblastoma Growth and Prolong Survival. Nano Letters, 2018, 18, 4086-4094.	9.1	117
25	Degradable polymer-coated gold nanoparticles for co-delivery of DNA and siRNA. Acta Biomaterialia, 2015, 11, 393-403.	8.3	111
26	Smallâ€Molecule Endâ€Groups of Linear Polymer Determine Cellâ€type Geneâ€Delivery Efficacy. Advanced Materials, 2009, 21, 4947-4951.	21.0	105
27	Senescence cellâ€“associated extracellular vesicles serve as osteoarthritis disease and therapeutic markers. JCI Insight, 2019, 4, .	5.0	103
28	Effects of Base Polymer Hydrophobicity and End-Group Modification on Polymeric Gene Delivery. Biomacromolecules, 2011, 12, 3592-3600.	5.4	102
29	Nanoparticles for Gene Transfer to Human Embryonic Stem Cell Colonies. Nano Letters, 2008, 8, 3126-3130.	9.1	100
30	Therapeutic nanomedicine for brain cancer. Therapeutic Delivery, 2013, 4, 687-704.	2.2	97
31	Comprehensive evaluation of methods for small extracellular vesicles separation from human plasma, urine and cell culture medium. Journal of Extracellular Vesicles, 2020, 10, e12044.	12.2	97
32	Gene delivery to human adult and embryonic cell-derived stem cells using biodegradable nanoparticulate polymeric vectors. Gene Therapy, 2009, 16, 533-546.	4.5	95
33	Biomimetic particles as therapeutics. Trends in Biotechnology, 2015, 33, 514-524.	9.3	93
34	Biomimetic biodegradable artificial antigen presenting cells synergize with PD-1 blockade to treat melanoma. Biomaterials, 2017, 118, 16-26.	11.4	91
35	Nanoparticle-Delivered Suicide Gene Therapy Effectively Reduces Ovarian Tumor Burden in Mice. Cancer Research, 2009, 69, 6184-6191.	0.9	88
36	Non-Viral Delivery To Enable Genome Editing. Trends in Biotechnology, 2019, 37, 281-293.	9.3	86

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37	Subtle Changes to Polymer Structure and Degradation Mechanism Enable Highly Effective Nanoparticles for siRNA and DNA Delivery to Human Brain Cancer. Advanced Healthcare Materials, 2013, 2, 468-480.	7.6	85
38	Non-virally engineered human adipose mesenchymal stem cells produce BMP4, target brain tumors, and extend survival. Biomaterials, 2016, 100, 53-66.	11.4	84
39	The relationship between terminal functionalization and molecular weight of a gene delivery polymer and transfection efficacy in mammary epithelial 2-D cultures and 3-D organotypic cultures. Biomaterials, 2010, 31, 8088-8096.	11.4	83
40	Cystamine-terminated poly(beta-amino ester)s for siRNA delivery to human mesenchymal stem cells and enhancement of osteogenic differentiation. Biomaterials, 2012, 33, 8142-8151.	11.4	82
41	Poly(Î²-Amino Ester)-Nanoparticle Mediated Transfection of Retinal Pigment Epithelial Cells In Vitro and In Vivo. PLoS ONE, 2012, 7, e37543.	2.5	82
42	High-Intensity Focused Ultrasound: A Review of Mechanisms and Clinical Applications. Annals of Biomedical Engineering, 2021, 49, 1975-1991.	2.5	77
43	H2O2 in CO2/H2O Biphasic Systems:â€‰ Green Synthesis and Epoxidation Reactions. Industrial & Engineering Chemistry Research, 2002, 41, 4466-4474.	3.7	73
44	The Effect and Role of Carbon Atoms in Poly(Î²-amino ester)s for DNA Binding and Gene Delivery. Journal of the American Chemical Society, 2013, 135, 6951-6957.	13.7	72
45	Differential Polymer Structure Tunes Mechanism of Cellular Uptake and Transfection Routes of Poly(Î²-amino ester) Polyplexes in Human Breast Cancer Cells. Bioconjugate Chemistry, 2014, 25, 43-51.	3.6	72
46	Cancer-selective nanoparticles for combinatorial siRNA delivery to primary human GBM in vitro and in vivo. Biomaterials, 2019, 209, 79-87.	11.4	69
47	Nanoengineering approaches to the design of artificial antigen-presenting cells. Nanomedicine, 2013, 8, 1173-1189.	3.3	67
48	A bioreducible linear poly(Î²-amino ester) for siRNA delivery. Chemical Communications, 2013, 49, 5319.	4.1	67
49	Nanoscale artificial antigen presenting cells for cancer immunotherapy. Molecular Immunology, 2018, 98, 13-18.	2.2	67
50	Electrostatic surface modifications to improve gene delivery. Expert Opinion on Drug Delivery, 2010, 7, 535-550.	5.0	66
51	Poly(beta-amino ester)s as gene delivery vehicles: challenges and opportunities. Expert Opinion on Drug Delivery, 2020, 17, 1395-1410.	5.0	64
52	H2O2 in CO2:â€‰ Sustainable Production and Green Reactions. Accounts of Chemical Research, 2002, 35, 757-764.	15.6	62
53	Development of a novel gene delivery scaffold utilizing colloidal goldâ€“polyethylenimine conjugates for DNA condensation. Gene Therapy, 2003, 10, 1882-1890.	4.5	61
54	Platelet-Derived Growth Factor BB Enhances Osteogenesis of Adipose-Derived But Not Bone Marrow-Derived Mesenchymal Stromal/Stem Cells. Stem Cells, 2015, 33, 2773-2784.	3.2	61

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55	Gene delivery nanoparticles to modulate angiogenesis. Advanced Drug Delivery Reviews, 2017, 119, 20-43.	13.7	61
56	Polymeric micro- and nanoparticles for immune modulation. Biomaterials Science, 2019, 7, 14-30.	5.4	61
57	Exploring the role of polymer structure on intracellular nucleic acid delivery via polymeric nanoparticles. Journal of Controlled Release, 2015, 219, 488-499.	9.9	58
58	A Novel Assay for Quantifying the Number of Plasmids Encapsulated by Polymer Nanoparticles. Small, 2012, 8, 367-373.	10.0	56
59	Shaping the future of nanomedicine: anisotropy in polymeric nanoparticle design. Wiley Interdisciplinary Reviews: Nanomedicine and Nanobiotechnology, 2016, 8, 191-207.	6.1	56
60	Entanglement-Based Thermoplastic Shape Memory Polymeric Particles with Photothermal Actuation for Biomedical Applications. ACS Applied Materials & Interfaces, 2018, 10, 13333-13341.	8.0	56
61	High-throughput and high-content bioassay enables tuning of polyester nanoparticles for cellular uptake, endosomal escape, and systemic in vivo delivery of mRNA. Science Advances, 2022, 8, eabk2855.	10.3	54
62	Drug delivery strategies for therapeutic angiogenesis and antiangiogenesis. Expert Opinion on Drug Delivery, 2011, 8, 485-504.	5.0	53
63	Quantification of cellular and nuclear uptake rates of polymeric gene delivery nanoparticles and DNA plasmids via flow cytometry. Acta Biomaterialia, 2016, 37, 120-130.	8.3	52
64	Synthesis and application of poly(ethylene glycol)-co-poly(Î²-amino ester) copolymers for small cell lung cancer gene therapy. Acta Biomaterialia, 2016, 41, 293-301.	8.3	51
65	Polymeric nanoparticles as cancer-specific DNA delivery vectors to human hepatocellular carcinoma. Journal of Controlled Release, 2017, 263, 18-28.	9.9	51
66	Advances in polymeric and inorganic vectors for nonviral nucleic acid delivery. Therapeutic Delivery, 2011, 2, 493-521.	2.2	49
67	Long-term suppression of ocular neovascularization by intraocular injection of biodegradable polymeric particles containing aÂserpin-derived peptide. Biomaterials, 2013, 34, 7544-7551.	11.4	49
68	Reducible Branched Ester-Amine Quadpolymers (rBEAQs) Codelivering Plasmid DNA and RNA Oligonucleotides Enable CRISPR/Cas9 Genome Editing. ACS Applied Materials & Interfaces, 2019, 11, 10472-10480.	8.0	48
69	Nanoparticulate delivery of diphtheria toxin DNA effectively kills mesothelin expressing pancreatic cancer cells. Cancer Biology and Therapy, 2008, 7, 1584-1590.	3.4	46
70	Continuous microfluidic assembly of biodegradable poly(betaâ€amino ester)/DNA nanoparticles for enhanced gene delivery. Journal of Biomedical Materials Research - Part A, 2017, 105, 1813-1825.	4.0	44
71	Engineered nanoparticles for systemic siRNA delivery to malignant brain tumours. Nanoscale, 2019, 11, 20045-20057.	5.6	44
72	Nanoparticle-mediated transcriptional modification enhances neuronal differentiation of human neural stem cells following transplantation in rat brain. Biomaterials, 2016, 84, 157-166.	11.4	43

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73	Bioengineered nanoparticles for <scp>siRNA</scp> delivery. Wiley Interdisciplinary Reviews: Nanomedicine and Nanobiotechnology, 2013, 5, 449-468.	6.1	42
74	Targeted polymeric nanoparticles for cancer gene therapy. Journal of Drug Targeting, 2015, 23, 627-641.	4.4	41
75	Poly(Î²-amino ester) Nanoparticle Delivery of TP53 Has Activity against Small Cell Lung Cancer In Vitro and In Vivo. Molecular Cancer Therapeutics, 2013, 12, 405-415.	4.1	40
76	Verteporfin-Loaded Polymeric Microparticles for Intratumoral Treatment of Brain Cancer. Molecular Pharmaceutics, 2019, 16, 1433-1443.	4.6	40
77	Tyrosine kinase blocking collagen IVâ€“derived peptide suppresses ocular neovascularization and vascular leakage. Science Translational Medicine, 2017, 9, .	12.4	39
78	Suprachoroidal gene transfer with nonviral nanoparticles. Science Advances, 2020, 6, .	10.3	39
79	Gene delivery nanoparticles specific for human microvasculature and macrovasculature. Nanomedicine: Nanotechnology, Biology, and Medicine, 2012, 8, 1200-1207.	3.3	38
80	Therapeutic angiogenesis using genetically engineered human endothelial cells. Journal of Controlled Release, 2012, 160, 515-524.	9.9	38
81	A collagen IVâ€“derived peptide disrupts Î±5Î²1 integrin and potentiates Ang2/Tie2 signaling. JCI Insight, 2019, 4, .	5.0	38
82	Sox2 induces glioblastoma cell stemness and tumor propagation by repressing TET2 and deregulating 5hmC and 5mC DNA modifications. Signal Transduction and Targeted Therapy, 2022, 7, 37.	17.1	38
83	Poly(Beta-Amino Ester) Nanoparticles Enable Nonviral Delivery of CRISPR-Cas9 Plasmids for Gene Knockout and Gene Deletion. Molecular Therapy - Nucleic Acids, 2020, 20, 661-672.	5.1	36
84	Poly(Î²-amino esters): Procedures for Synthesis and Gene Delivery. Methods in Molecular Biology, 2009, 480, 53-63.	0.9	35
85	Student award winner in the Ph.D. category for the 2013 society for biomaterials annual meeting and exposition, april 10â€“13, 2013, Boston, Massachusetts. Journal of Biomedical Materials Research - Part A, 2013, 101A, 1837-1845.	4.0	35
86	Nonviral polymeric nanoparticles for gene therapy in pediatric CNS malignancies. Nanomedicine: Nanotechnology, Biology, and Medicine, 2020, 23, 102115.	3.3	35
87	In situ genetic engineering of tumors for long-lasting and systemic immunotherapy. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 4043-4052.	7.1	35
88	Evaluating the potential of poly(beta-amino ester) nanoparticles for reprogramming human fibroblasts to become induced pluripotent stem cells. International Journal of Nanomedicine, 2013, 8, 4641.	6.7	34
89	A Sox2:miR-486-5p Axis Regulates Survival of GBM Cells by Inhibiting Tumor Suppressor Networks. Cancer Research, 2020, 80, 1644-1655.	0.9	34
90	Polymeric nanoparticleâ€based delivery of TRAIL DNA for cancerâ€specific killing. Bioengineering and Translational Medicine, 2016, 1, 149-159.	7.1	33

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91	Biomimetic peptide display from a polymeric nanoparticle surface for targeting and antitumor activity to human tripleâ€negative breast cancer cells. Journal of Biomedical Materials Research - Part A, 2018, 106, 1753-1764.	4.0	33
92	HIF-1Î± and HIF-2Î± redundantly promote retinal neovascularization in patients with ischemic retinal disease. Journal of Clinical Investigation, 2021, 131, .	8.2	33
93	An automated multidimensional thin film stretching device for the generation of anisotropic polymeric microâ€and nanoparticles. Journal of Biomedical Materials Research - Part A, 2015, 103, 2747-2757.	4.0	32
94	Verteporfin-Loaded Poly(ethylene glycol)-Poly(beta-amino ester)-Poly(ethylene glycol) Triblock Micelles for Cancer Therapy. Biomacromolecules, 2018, 19, 3361-3370.	5.4	32
95	Nanoparticle designs for delivery of nucleic acid therapeutics as brain cancer therapies. Advanced Drug Delivery Reviews, 2021, 179, 113999.	13.7	32
96	Non-viral nucleic acid containing nanoparticles as cancer therapeutics. Expert Opinion on Drug Delivery, 2016, 13, 1475-1487.	5.0	30
97	Independent versus Cooperative Binding in Polyethylenimineâ€“DNA and Poly(<scp>l</scp>-lysine)â€“DNA Polyplexes. Journal of Physical Chemistry B, 2013, 117, 10405-10413.	2.6	29
98	Photocrosslinked Bioreducible Polymeric Nanoparticles for Enhanced Systemic siRNA Delivery as Cancer Therapy. Advanced Functional Materials, 2021, 31, 2009768.	14.9	29
99	Injectable drug depot engineered to release multiple ophthalmic therapeutic agents with precise time profiles for postoperative treatment following ocular surgery. Acta Biomaterialia, 2018, 73, 90-102.	8.3	28
100	Differentially Branched Ester Amine Quadpolymers with Amphiphilic and pH-Sensitive Properties for Efficient Plasmid DNA Delivery. Molecular Pharmaceutics, 2019, 16, 655-668.	4.6	27
101	Poly(ethylene glycol)â€“Poly(beta-amino ester)-Based Nanoparticles for Suicide Gene Therapy Enhance Brain Penetration and Extend Survival in a Preclinical Human Glioblastoma Orthotopic Xenograft Model. ACS Biomaterials Science and Engineering, 2020, 6, 2943-2955.	5.2	26
102	Gene delivery polymer structureâ€“function relationships elucidated via principal component analysis. Chemical Communications, 2015, 51, 12134-12137.	4.1	25
103	Nanoparticle-mediated conversion of primary human astrocytes into neurons and oligodendrocytes. Biomaterials Science, 2016, 4, 1100-1112.	5.4	25
104	Three-Dimensional Transport Model for Intravitreal and Suprachoroidal Drug Injection. , 2018, 59, 5266.		25
105	Efficiency of Cytosolic Delivery with Poly(Î²-amino ester) Nanoparticles is Dependent on the Effective pK_a of the Polymer. ACS Biomaterials Science and Engineering, 2020, 6, 3411-3421.	5.2	25
106	Polymeric nucleic acid delivery for immunoengineering. Current Opinion in Biomedical Engineering, 2018, 7, 42-50.	3.4	24
107	Gene delivery for immunoengineering. Current Opinion in Biotechnology, 2020, 66, 1-10.	6.6	24
108	(3-Aminopropyl)-4-methylpiperazine End-capped Poly(1,4-butanediol) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 67 Td (diacrylate-co-4-amino Interfaces, 2013, 5, 5947-5953.	8.0	22

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109	Synthetic poly(ester amine) and poly(amido amine) nanoparticles for efficient DNA and siRNA delivery to human endothelial cells. International Journal of Nanomedicine, 2011, 6, 3309.	6.7	21
110	Layerâ€byâ€layer inorganic/polymeric nanoparticles for kinetically controlled multigene delivery. Journal of Biomedical Materials Research - Part A, 2016, 104, 707-713.	4.0	20
111	Anisotropic biodegradable lipid coated particles for spatially dynamic protein presentation. Acta Biomaterialia, 2018, 72, 228-238.	8.3	20
112	Biodegradable Cationic Polymer Blends for Fabrication of Enhanced Artificial Antigen Presenting Cells to Treat Melanoma. ACS Applied Materials & Interfaces, 2021, 13, 7913-7923.	8.0	20
113	Poly(Î²-amino ester)â€“DNA complexes: Time-resolved fluorescence and cellular transfection studies. Journal of Controlled Release, 2011, 154, 171-176.	9.9	19
114	The role of assembly parameters on polyplex poly(betaâ€amino ester) nanoparticle transfections. Biotechnology and Bioengineering, 2019, 116, 1220-1230.	3.3	19
115	Non-viral gene delivery of HIF-1Î± promotes angiogenesis in human adipose-derived stem cells. Acta Biomaterialia, 2020, 113, 279-288.	8.3	19
116	Surface engineering for lymphocyte programming. Advanced Drug Delivery Reviews, 2017, 114, 102-115.	13.7	18
117	Impedimetric fingerprinting and structural analysis of isogenic E. coli biofilms using multielectrode arrays. Sensors and Actuators B: Chemical, 2018, 263, 319-326.	7.8	18
118	Verteporfin-Loaded Anisotropic Poly(Beta-Amino Ester)-Based Micelles Demonstrate Brain Cancer-Selective Cytotoxicity and Enhanced Pharmacokinetics . International Journal of Nanomedicine, 2019, Volume 14, 10047-10060.	6.7	18
119	High-throughput evaluation of polymeric nanoparticles for tissue-targeted gene expression using barcoded plasmid DNA. Journal of Controlled Release, 2021, 337, 105-116.	9.9	18
120	A Triple-Fluorophore-Labeled Nucleic Acid pH Nanosensor to Investigate Non-viral Gene Delivery. Molecular Therapy, 2017, 25, 1697-1709.	8.2	18
121	Biomolecule Delivery to Engineer the Cellular Microenvironment for Regenerative Medicine. Annals of Biomedical Engineering, 2014, 42, 1557-1572.	2.5	17
122	Biomimetic tolerogenic artificial antigen presenting cells for regulatory T cell induction. Acta Biomaterialia, 2020, 112, 136-148.	8.3	17
123	Nanoparticle Tracking Analysis for Determination of Hydrodynamic Diameter, Concentration, and Zeta-Potential of Polyplex Nanoparticles. Methods in Molecular Biology, 2017, 1570, 31-46.	0.9	17
124	Toward Gene Transfer Nanoparticles as Therapeutics. Advanced Healthcare Materials, 2022, 11, e2102145.	7.6	17
125	Electrophoresis of cell membrane heparan sulfate regulates galvanotaxis in glial cells. Journal of Cell Science, 2017, 130, 2459-2467.	2.0	16
126	Anisotropic poly(lactic-co-glycolic acid) microparticles enable sustained release of a peptide for long-term inhibition of ocular neovascularization. Acta Biomaterialia, 2019, 97, 451-460.	8.3	16

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127	Genomeâ€wide investigation of intragenic DNA methylation identifies ZMIZ1 gene as a prognostic marker in glioblastoma and multiple cancer types. International Journal of Cancer, 2019, 145, 3425-3435.	5.1	16
128	Size-Controlled and Shelf-Stable DNA Particles for Production of Lentiviral Vectors. Nano Letters, 2021, 21, 5697-5705.	9.1	15
129	Targeting strategies for mRNA delivery. Materials Today Advances, 2022, 14, 100240.	5.2	15
130	2011 Rita Schaffer Lecture: Nanoparticles for Intracellular Nucleic Acid Delivery. Annals of Biomedical Engineering, 2012, 40, 1408-1418.	2.5	14
131	Nanomedicine Revisited: Next Generation Therapies for Brain Cancer. Advanced Therapeutics, 2020, 3, 2000118.	3.2	14
132	Overcoming delivery barriers in immunotherapy for glioblastoma. Drug Delivery and Translational Research, 2021, 11, 2302-2316.	5.8	13
133	Nanoparticles for generating antigen-specific T cells for immunotherapy. Seminars in Immunology, 2021, 56, 101541.	5.6	13
134	PAI-1 is a vascular cellâ€“specific HIF-2â€“dependent angiogenic factor that promotes retinal neovascularization in diabetic patients. Science Advances, 2022, 8, eabm1896.	10.3	13
135	Safety considerations for nanoparticle gene delivery in pediatric brain tumors. Nanomedicine, 2020, 15, 1805-1815.	3.3	12
136	Poly(beta-amino ester) nanoparticles enable tumor-specific TRAIL secretion and a bystander effect to treat liver cancer. Molecular Therapy - Oncolytics, 2021, 21, 377-388.	4.4	12
137	Biodegradable polymer iron oxide nanocomposites: the future of biocompatible magnetism. Nanomedicine, 2015, 10, 3421-3425.	3.3	11
138	Bacterial tRNaseâ€“Based Gene Therapy with Poly(Î²â€Amino Ester) Nanoparticles for Suppressing Melanoma Tumor Growth and Relapse. Advanced Healthcare Materials, 2018, 7, e1800052.	7.6	9
139	Immunoengineering has arrived. Journal of Biomedical Materials Research - Part A, 2021, 109, 397-403.	4.0	9
140	Enhancing oligodendrocyte differentiation by transient transcription activation via DNA nanoparticle-mediated transfection. Acta Biomaterialia, 2017, 54, 249-258.	8.3	8
141	Therapeutic potential of an anti-angiogenic multimodal biomimetic peptide in hepatocellular carcinoma. Oncotarget, 2017, 8, 101520-101534.	1.8	8
142	Evaluation of Polymeric Gene Delivery Nanoparticles by Nanoparticle Tracking Analysis and High-throughput Flow Cytometry. Journal of Visualized Experiments, 2013, , e50176.	0.3	7
143	Biodegradable and bioreducible poly(betaâ€amino ester) nanoparticles for intracellular delivery to treat brain cancer. AICHE Journal, 2017, 63, 1470-1482.	3.6	6
144	A Combinatorial Library of Biodegradable Polyesters Enables Non-viral Gene Delivery to Post-Mitotic Human Stem Cell-Derived Polarized RPE Monolayers. Regenerative Engineering and Translational Medicine, 2020, 6, 273-285.	2.9	6

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145	ANGPTL4 influences the therapeutic response of patients with neovascular age-related macular degeneration by promoting choroidal neovascularization. JCI Insight, 2022, 7, .	5.0	6
146	siRNA nanomedicine: the promise of bioreducible materials. Expert Review of Medical Devices, 2013, 10, 7-10.	2.8	4
147	Subtle Changes to Polymer Structure and Degradation Mechanism Enable Highly Effective Nanoparticles for siRNA and DNA Delivery to Human Brain Cancer (Adv. Healthcare Mater. 3/2013). Advanced Healthcare Materials, 2013, 2, 467-467.	7.6	4
148	Bioreducible Poly(Beta-Amino Ester)s for Intracellular Delivery of SiRNA. Methods in Molecular Biology, 2016, 1364, 79-87.	0.9	4
149	Degradable polymers for gene delivery. , 2009, 2009, 2412-5.		3
150	494. Development of a pH Sensor to Probe Endosomal Buffering of Polymeric Nanoparticles Effective for Gene Delivery. Molecular Therapy, 2016, 24, S196.	8.2	3
151	Fabrication of Anisotropic Polymeric Artificial Antigen Presenting Cells for CD8+ T Cell Activation. Journal of Visualized Experiments, 2018, , .	0.3	3
152	Immunoengineering: Biodegradable Nanoellipsoidal Artificial Antigen Presenting Cells for Antigen Specific Tâ€Cell Activation (Small 13/2015). Small, 2015, 11, 1612-1612.	10.0	2
153	Highlights of Children with Cancer UKâ€™s Workshop on Drug Delivery in Paediatric Brain Tumours. Ecancermedicalscience, 2016, 10, 630.	1.1	2
154	Structure-Guided Molecular Engineering of a Vascular Endothelial Growth Factor Antagonist to Treat Retinal Diseases. Cellular and Molecular Bioengineering, 2020, 13, 405-418.	2.1	2
155	Recent advances in gene therapy for cancer theranostics. Current Opinion in Biomedical Engineering, 2021, 20, 100300.	3.4	2
156	A Novel Assay for Quantifying the Number of Plasmids Encapsulated by Polymer Nanoparticles. Small, 2012, 8, 1129-1129.	10.0	1
157	Highlights from the latest articles in nanomedicine. Nanomedicine, 2014, 9, 945-947.	3.3	1
158	Artificial Antigen-Presenting Cells: Biomimetic Strategies for Directing the Immune Response. , 2015, , 257-277.		1
159	Prevention of Ph+ Acute Lymphoblastic Leukemia by Nanoparticulate Delivery of a DNA Vaccine in Syngeneic Mice.. Blood, 2007, 110, 5135-5135.	1.4	1
160	Themed issue on nanoscale biomaterials. Journal of Materials Chemistry B, 2014, 2, 8039-8042.	5.8	0
161	385 Focal Enhanced Delivery of Systemically Administered Therapeutic Human Mesenchymal Stem Cells Using MRI-guided Disruption of the BBB with Focused Ultrasound. Neurosurgery, 2017, 64, 292.	1.1	0
162	Impedimetric Fingerprinting and Structural Analysis of Isogenic E.coli Biofilms using Multielectrode Arrays. Biophysical Journal, 2018, 114, 685a-686a.	0.5	0

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163	Delivery strategies for ex vivo and in vivo T-cell reprogramming. , 2022, , 31-62.		0
164	Optimization of a BCR-ABL-Specific DNA Vaccine against Ph+ ALL Using a Nonviral Vector System and Nanoparticle Delivery. Blood, 2008, 112, 4625-4625.	1.4	0
165	Abstract 5411: Development of SCLC specific nanoparticle-mediated therapeutic gene delivery. , 2011, , .		0
166	Combinatorial Polymer and Lipidoid Libraries for Nanomedicine. , 2011, , 291-312.		0
167	Abstract 5662: The development of SCLC specific nanoparticle-mediated p53 gene therapy. , 2012, , .		0
168	Biodegradable Polymeric Nanoparticles for Gene Delivery. , 2016, , 153-189.		0
169	Abstract 3201: Therapeutic potential of anti-angiogenic multimodal biomimetic peptide in hepatocellular carcinoma. , 2017, , .		0
170	Image-Guided Drug Delivery. Bioanalysis, 2019, , 345-393.	0.1	0
171	The endosomal pH regulator NHE9 is a driver of stemness in glioblastoma. , 2022, 1, pgac013.		0