

Hasan Uludag

List of Publications by Year in descending order

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Version: 2024-02-01

219
papers

9,240
citations

31902

53
h-index

58464

82
g-index

221
all docs

221
docs citations

221
times ranked

10669
citing authors

#	ARTICLE	IF	CITATIONS
1	TRAIL Therapy for Breast Cancer Treatment by Employing Lipopolymer mRNA Delivery. , 2022, 1, 101-112.		3
2	Linoleic acid substituted polyethylenimine to silence heat shock protein 90B1 (HSP90B1) to inhibit migration of breast cancer cells. Journal of Gene Medicine, 2022, 24, e3419.	1.4	2
3	Mineralized vectors for gene therapy. Acta Biomaterialia, 2022, , .	4.1	2
4	siRNA Targeting Mcl-1 Potentiates the Anticancer Activity of Andrographolide Nanosuspensions via Apoptosis in Breast Cancer Cells. Pharmaceutics, 2022, 14, 1196.	2.0	4
5	In Vitro Cytotoxicity and Cytokine Production by Lipid-Substituted Low Molecular Weight Branched PEIs Used for Gene Delivery. Acta Biomaterialia, 2022, 148, 279-297.	4.1	7
6	Multiple gene knockdown strategies for investigating the properties of human leukemia stem cells and exploring new therapies. Methods in Cell Biology, 2022, , .	0.5	0
7	An overview of the use of biomaterials, nanotechnology, and stem cells for detection and treatment of COVID-19: towards a framework to address future global pandemics. Emergent Materials, 2021, 4, 19-34.	3.2	21
8	Suppression of Human Coronavirus 229E Infection in Lung Fibroblast Cells via RNA Interference. Frontiers in Nanotechnology, 2021, 3, .	2.4	4
9	COVID-19: insights into virus-receptor interactions. Molecular Biomedicine, 2021, 2, 10.	1.7	8
10	Investigation of water-insoluble hydrophobic polyethylenimines as <scp>RNAi</scp> vehicles in chronic myeloid leukemia therapy. Journal of Biomedical Materials Research - Part A, 2021, 109, 2306-2321.	2.1	7
11	Therapeutic delivery of siRNA with polymeric carriers to down-regulate STAT5A expression in high-risk B-cell acute lymphoblastic leukemia (B-ALL). PLoS ONE, 2021, 16, e0251719.	1.1	5
12	How can molecular dynamics simulations assist with gene medicines?. Biomaterials and Biosystems, 2021, 2, 100014.	1.0	0
13	Delivery of Bioactive Gene Particles via Gelatin-Collagen-PEG-Based Electrospun Matrices. Pharmaceutics, 2021, 14, 666.	1.7	13
14	Modeling Uptake of Polyethylenimine/Short Interfering RNA Nanoparticles in Breast Cancer Cells Using Machine Learning. Advanced NanoBiomed Research, 2021, 1, 2000106.	1.7	7
15	Polymeric siRNA delivery targeting integrin- β 1 could reduce interactions of leukemic cells with bone marrow microenvironment. Biomaterials and Biosystems, 2021, 3, 100021.	1.0	3
16	Mineralized polyplexes for gene delivery: Improvement of transfection efficiency as a consequence of calcium incubation and not mineralization. Materials Science and Engineering C, 2021, 129, 112419.	3.8	3
17	The effect of low intensity pulsed ultrasound on mandibular condylar growth in young adult rats. Bone Reports, 2021, 15, 101122.	0.2	3
18	Nature of bilayer lipids affects membranes deformation and pore resealing during nanoparticle penetration. Materials Science and Engineering C, 2021, 132, 112530.	3.8	2

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19	Mechanisms of Drug Resistance and Use of Nanoparticle Delivery to Overcome Resistance in Breast Cancers. <i>Advances in Experimental Medicine and Biology</i> , 2021, , 163-181.	0.8	4
20	Membrane lipids destabilize short interfering ribonucleic acid (siRNA)/polyethylenimine nanoparticles. <i>Nanoscale</i> , 2020, 12, 1032-1045.	2.8	10
21	Cholesterol grafted cationic lipopolymers: Potential siRNA carriers for selective chronic myeloid leukemia therapy. <i>Journal of Biomedical Materials Research - Part A</i> , 2020, 108, 565-580.	2.1	17
22	A systematic comparison of lipopolymers for siRNA delivery to multiple breast cancer cell lines: In vitro studies. <i>Acta Biomaterialia</i> , 2020, 102, 351-366.	4.1	17
23	TRAIL therapy and prospective developments for cancer treatment. <i>Journal of Controlled Release</i> , 2020, 326, 335-349.	4.8	39
24	Prospects for RNAi Therapy of COVID-19. <i>Frontiers in Bioengineering and Biotechnology</i> , 2020, 8, 916.	2.0	69
25	Editorial: Enabling Biomaterials for New Biomedical Technologies and Clinical Therapies. <i>Frontiers in Bioengineering and Biotechnology</i> , 2020, 8, 559.	2.0	6
26	Enabling Combinatorial siRNA Delivery against Apoptosis-Related Proteins with Linoleic Acid and \pm -Linoleic Acid Substituted Low Molecular Weight Polyethylenimines. <i>Pharmaceutical Research</i> , 2020, 37, 46.	1.7	7
27	Electrospun gelatin matrices with bioactive pDNA polyplexes. <i>International Journal of Biological Macromolecules</i> , 2020, 149, 296-308.	3.6	21
28	Nanofibers as new-generation materials: From spinning and nano-spinning fabrication techniques to emerging applications. <i>Applied Materials Today</i> , 2019, 17, 1-35.	2.3	296
29	siRNA-mediated BCR-ABL silencing in primary chronic myeloid leukemia cells using lipopolymers. <i>Journal of Controlled Release</i> , 2019, 310, 141-154.	4.8	15
30	At the Intersection of Biomaterials and Gene Therapy: Progress in Non-viral Delivery of Nucleic Acids. <i>Frontiers in Bioengineering and Biotechnology</i> , 2019, 7, 131.	2.0	43
31	Current outlook on drug resistance in chronic myeloid leukemia (CML) and potential therapeutic options. <i>Drug Discovery Today</i> , 2019, 24, 1355-1369.	3.2	27
32	siRNA Library Screening to Identify Complementary Therapeutic Pairs in Triple-Negative Breast Cancer Cells. <i>Methods in Molecular Biology</i> , 2019, 1974, 1-19.	0.4	6
33	Breathing New Life into TRAIL for Breast Cancer Therapy: Co-Delivery of pTRAIL and Complementary siRNAs Using Lipopolymers. <i>Human Gene Therapy</i> , 2019, 30, 1531-1546.	1.4	13
34	<i>BCR-Abl</i> Silencing by siRNA: A Potent Approach to Sensitize Chronic Myeloid Leukemia Cells to Tyrosine Kinase Inhibitor Therapy. <i>Stem Cells and Development</i> , 2019, 28, 734-744.	1.1	18
35	Development of PEI- <i>RANK</i> siRNA Complex Loaded PLGA Nanocapsules for the Treatment of Osteoporosis. <i>Tissue Engineering - Part A</i> , 2019, 25, 34-43.	1.6	24
36	A review of nanostructured surfaces and materials for dental implants: surface coating, patterning and functionalization for improved performance. <i>Biomaterials Science</i> , 2018, 6, 1312-1338.	2.6	149

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37	Novel targets for sensitizing breast cancer cells to TRAIL-induced apoptosis with siRNA delivery. <i>International Journal of Cancer</i> , 2018, 142, 597-606.	2.3	26
38	Combinational siRNA delivery using hyaluronic acid modified amphiphilic polyplexes against cell cycle and phosphatase proteins to inhibit growth and migration of triple-negative breast cancer cells. <i>Acta Biomaterialia</i> , 2018, 66, 294-309.	4.1	31
39	Mechanistic insights into the role of glycosaminoglycans in delivery of polymeric nucleic acid nanoparticles by molecular dynamics simulations. <i>Biomaterials</i> , 2018, 156, 107-120.	5.7	9
40	Multiphasic Collagen Scaffolds for Engineered Tissue Interfaces. <i>Advanced Functional Materials</i> , 2018, 28, 1804730.	7.8	27
41	Regenerative Medicine: Multiphasic Collagen Scaffolds for Engineered Tissue Interfaces (<i>Adv. Funct. Mater.</i>)	7.8	27
42	Current state of fabrication technologies and materials for bone tissue engineering. <i>Acta Biomaterialia</i> , 2018, 80, 1-30.	4.1	387
43	Steered molecular dynamics simulations reveal a self-protecting configuration of nanoparticles during membrane penetration. <i>Nanoscale</i> , 2018, 10, 17671-17682.	2.8	14
44	Additive Polyplexes to Undertake siRNA Therapy against CDC20 and Survivin in Breast Cancer Cells. <i>Biomacromolecules</i> , 2018, 19, 4193-4206.	2.6	23
45	Reactive Oxygen Species Mediate Therapeutic Ultrasound-Induced, Mitogen-Activated Protein Kinase Activation in C28/I2 Chondrocytes. <i>Ultrasound in Medicine and Biology</i> , 2018, 44, 2105-2114.	0.7	4
46	Molecular Dynamics Simulations on Nucleic Acid Binding Polymers Designed To Arrest Thrombosis. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 28399-28411.	4.0	7
47	siRNA/lipopolymer nanoparticles to arrest growth of chronic myeloid leukemia cells in vitro and in vivo. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2018, 130, 66-70.	2.0	21
48	Advances in biology of acute lymphoblastic leukemia (ALL) and therapeutic implications. <i>American Journal of Blood Research</i> , 2018, 8, 29-56.	0.6	21
49	Effect of Increasing Low-Intensity Pulsed Ultrasound and a Functional Appliance on the Mandibular Condyle in Growing Rats. <i>Journal of Ultrasound in Medicine</i> , 2017, 36, 109-120.	0.8	12
50	Polymeric Delivery of siRNA against Integrin α 2 β 1 (CD29) to Reduce Attachment and Migration of Breast Cancer Cells. <i>Macromolecular Bioscience</i> , 2017, 17, 1600430.	2.1	13
51	Nucleic acid combinations: A new frontier for cancer treatment. <i>Journal of Controlled Release</i> , 2017, 256, 153-169.	4.8	22
52	Construction of a PLGA based, targeted siRNA delivery system for treatment of osteoporosis. <i>Journal of Biomaterials Science, Polymer Edition</i> , 2017, 28, 1859-1873.	1.9	17
53	Biomaterials for polynucleotide delivery to anchorage-independent cells. <i>Journal of Materials Chemistry B</i> , 2017, 5, 7238-7261.	2.9	18
54	Role of Reactive Oxygen Species during Low-Intensity Pulsed Ultrasound Application in MC-3 T3 E1 Pre-osteoblast Cell Culture. <i>Ultrasound in Medicine and Biology</i> , 2017, 43, 2699-2712.	0.7	10

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55	Hydrophobe-substituted bPEI derivatives: boosting transfection on primary vascular cells. <i>Science China Materials</i> , 2017, 60, 529-542.	3.5	6
56	Preface on "Biomaterial Foundations of Therapeutic Delivery". <i>Science China Materials</i> , 2017, 60, 469-470.	3.5	0
57	Biomaterials to Facilitate Delivery of RNA Agents in Bone Regeneration and Repair. <i>ACS Biomaterials Science and Engineering</i> , 2017, 3, 1195-1206.	2.6	16
58	Osteogenic Differentiation of Human Umbilical Cord Peri-vascular Cells using Low Intensity Pulsed Ultrasound. <i>Journal of Stem Cell Research & Therapy</i> , 2016, 06, .	0.3	0
59	Identification of Potential Drug Targets in Cancer Signaling Pathways using Stochastic Logical Models. <i>Scientific Reports</i> , 2016, 6, 23078.	1.6	24
60	Current attempts to implement siRNA-based RNAi in leukemia models. <i>Drug Discovery Today</i> , 2016, 21, 1412-1420.	3.2	12
61	Fibronectin-modified surfaces for evaluating the influence of cell adhesion on sensitivity of leukemic cells to siRNA nanoparticles. <i>Nanomedicine</i> , 2016, 11, 1123-1138.	1.7	15
62	Multiple siRNA delivery against cell cycle and anti-apoptosis proteins using lipid-substituted polyethylenimine in triple-negative breast cancer and nonmalignant cells. <i>Journal of Biomedical Materials Research - Part A</i> , 2016, 104, 3031-3044.	2.1	20
63	Polymeric micelles for MCL-1 gene silencing in breast tumors following systemic administration. <i>Nanomedicine</i> , 2016, 11, 2319-2339.	1.7	16
64	Low Molecular Weight Branched PEI Binding to Linear DNA. <i>Chemical and Pharmaceutical Bulletin</i> , 2016, 64, 1484-1491.	0.6	14
65	Single and Combinational siRNA Therapy of Cancer Cells: Probing Changes in Targeted and Nontargeted Mediators after siRNA Treatment. <i>Molecular Pharmaceutics</i> , 2016, 13, 4116-4128.	2.3	17
66	Gene-Based Approaches to Bone Regeneration. , 2016, , 343-356.		2
67	Small hydrophobe substitution on polyethylenimine for plasmid DNA delivery: Optimal substitution is critical for effective delivery. <i>Acta Biomaterialia</i> , 2016, 33, 213-224.	4.1	28
68	Targeting CXCR4/SDF-1 axis by lipopolymer complexes of siRNA in acute myeloid leukemia. <i>Journal of Controlled Release</i> , 2016, 224, 8-21.	4.8	38
69	156. Cationic Lipopolymers for BCR-ABL siRNA Delivery and Growth Arrest in Chronic Myeloid Leukemia Tumors. <i>Molecular Therapy</i> , 2015, 23, S62-S63.	3.7	0
70	160. Additive Nanocomplexes of Cationic Lipopolymers for Improved Non-Viral Gene Delivery to Mesenchymal Stem Cells. <i>Molecular Therapy</i> , 2015, 23, S64-S65.	3.7	1
71	Targeting Cell Cycle Proteins in Breast Cancer Cells with siRNA by Using Lipid-Substituted Polyethylenimines. <i>Frontiers in Bioengineering and Biotechnology</i> , 2015, 3, 14.	2.0	21
72	Effect of ultrasound on human umbilical cord peri-vascular cells. <i>Journal of Biomedical Engineering and Informatics</i> , 2015, 1, 70.	0.2	0

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73	Probing the Effect of miRNA on siRNA-PEI Polyplexes. Journal of Physical Chemistry B, 2015, 119, 5475-5486.	1.2	19
74	Additive nanocomplexes of cationic lipopolymers for improved non-viral gene delivery to mesenchymal stem cells. Journal of Materials Chemistry B, 2015, 3, 3972-3982.	2.9	28
75	Progress in RNAi-mediated Molecular Therapy of Acute and Chronic Myeloid Leukemia. Molecular Therapy - Nucleic Acids, 2015, 4, e240.	2.3	31
76	A Delicate Balance When Substituting a Small Hydrophobe onto Low Molecular Weight Polyethylenimine to Improve Its Nucleic Acid Delivery Efficiency. ACS Applied Materials & Interfaces, 2015, 7, 24822-24832.	4.0	27
77	Effect of siRNA pre-Exposure on Subsequent Response to siRNA Therapy. Pharmaceutical Research, 2015, 32, 3813-3826.	1.7	14
78	Abstract A57: Effects of pre-exposure to siRNA on silencing response: Do cells become resistant to siRNA silencing?. , 2015, , .		0
79	Abstract B45: A search for ideal siRNA targets involved in pathway cross-talks for combinational silencing in human cancer cells. , 2015, , .		0
80	Abstract B15: In vivo analysis of repeated siRNA silencing on protein expression levels. , 2015, , .		0
81	Effect of Nonviral Plasmid Delivered Basic Fibroblast Growth Factor and Low Intensity Pulsed Ultrasound on Mandibular Condylar Growth: A Preliminary Study. BioMed Research International, 2014, 2014, 1-9.	0.9	15
82	Grand Challenges in Biomaterials. Frontiers in Bioengineering and Biotechnology, 2014, 2, 43.	2.0	9
83	A Molecular Dynamics Simulation Study on the Effect of Endogenous Molecules on SiRNA Polyplexes. Biophysical Journal, 2014, 106, 804a.	0.2	0
84	Effective down-regulation of signal transducer and activator of transcription 3 (STAT3) by polyplexes of siRNA and lipid-substituted polyethylenimine for sensitization of breast tumor cells to conventional chemotherapy. Journal of Biomedical Materials Research - Part A, 2014, 102, 3216-3228.	2.1	22
85	Pharmacokinetics and transgene expression of implanted polyethylenimine-based pDNA complexes. Biomaterials Science, 2014, 2, 833-842.	2.6	7
86	Polymeric nanoparticle-mediated silencing of CD44 receptor in CD34+ acute myeloid leukemia cells. Leukemia Research, 2014, 38, 1299-1308.	0.4	40
87	siRNA therapy in cutaneous T-cell lymphoma cells using polymeric carriers. Biomaterials, 2014, 35, 9382-9394.	5.7	13
88	Molecular modeling of polynucleotide complexes. Biomaterials, 2014, 35, 7068-7076.	5.7	36
89	Molecular Dynamics Simulations of Polyplexes and Lipoplexes Employed in Gene Delivery. Fundamental Biomedical Technologies, 2014, , 277-311.	0.2	1
90	Potential of siRNA Therapy in Chronic Myeloid Leukemia. Fundamental Biomedical Technologies, 2014, , 435-473.	0.2	1

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91	Effect of basic fibroblast growth factor in mouse embryonic stem cell culture and osteogenic differentiation. <i>Journal of Tissue Engineering and Regenerative Medicine</i> , 2013, 7, 371-382.	1.3	14
92	Recent attempts at RNAi-mediated P-glycoprotein downregulation for reversal of multidrug resistance in cancer. <i>Medicinal Research Reviews</i> , 2013, 33, 33-53.	5.0	58
93	Modification of human BMSC with nanoparticles of polymeric biomaterials and plasmid DNA for BMP-2 secretion. <i>Journal of Surgical Research</i> , 2013, 183, 8-17.	0.8	11
94	Cholic acid modified 2 kDa polyethylenimine as efficient transfection agent. <i>Biotechnology Progress</i> , 2013, 29, 1337-1341.	1.3	8
95	Investigating siRNA delivery to chronic myeloid leukemia K562 cells with lipophilic polymers for therapeutic BCR-ABL down-regulation. <i>Journal of Controlled Release</i> , 2013, 172, 495-503.	4.8	48
96	Matrix forming characteristics of inner and outer human meniscus cells on 3D collagen scaffolds under normal and low oxygen tensions. <i>BMC Musculoskeletal Disorders</i> , 2013, 14, 353.	0.8	27
97	Effective response of doxorubicin-sensitive and -resistant breast cancer cells to combinational siRNA therapy. <i>Journal of Controlled Release</i> , 2013, 172, 219-228.	4.8	56
98	A molecular dynamics simulation study on the effect of lipid substitution on polyethylenimine mediated siRNA complexation. <i>Biomaterials</i> , 2013, 34, 2822-2833.	5.7	41
99	Gelatin coating to stabilize the transfection ability of nucleic acid polyplexes. <i>Acta Biomaterialia</i> , 2013, 9, 7429-7438.	4.1	9
100	Polymeric delivery of siRNA for dual silencing of Mcl-1 and P-glycoprotein and apoptosis induction in drug-resistant breast cancer cells. <i>Cancer Gene Therapy</i> , 2013, 20, 169-177.	2.2	40
101	Realizing the potential of gene-based molecular therapies in bone repair. <i>Journal of Bone and Mineral Research</i> , 2013, 28, 2245-2262.	3.1	16
102	Effective down-regulation of signal transducer and activator of transcription 3 (STAT3) by polyplexes of siRNA and lipid-substituted polyethylenimine for sensitization of breast tumor cells to conventional chemotherapy. <i>Journal of Biomedical Materials Research - Part A</i> , 2013, 102, n/a-n/a.	2.1	13
103	Abstract 997: Potential targets for siRNA-mediated combinational therapy of breast cancer cells.. , 2013, , .		0
104	BSA Nanoparticles for siRNA Delivery: Coating Effects on Nanoparticle Properties, Plasma Protein Adsorption, and <i>In Vitro</i> siRNA Delivery. <i>International Journal of Biomaterials</i> , 2012, 2012, 1-10.	1.1	22
105	Noggin suppression decreases BMP2-induced osteogenesis of human bone marrow-derived mesenchymal stem cells <i>In Vitro</i> . <i>Journal of Cellular Biochemistry</i> , 2012, 113, 3672-3680.	1.2	61
106	Probing the Role of Lipid Substitution on Polyethylenimine Mediated DNA Aggregation: An All-Atom Molecular Dynamics Study. <i>Biophysical Journal</i> , 2012, 102, 396a.	0.2	0
107	A simple and rapid nonviral approach to efficiently transfect primary tissue-derived cells using polyethylenimine. <i>Nature Protocols</i> , 2012, 7, 935-945.	5.5	97
108	Nucleic-acid based gene therapeutics: delivery challenges and modular design of nonviral gene carriers and expression cassettes to overcome intracellular barriers for sustained targeted expression. <i>Journal of Drug Targeting</i> , 2012, 20, 301-328.	2.1	42

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109	Effective down-regulation of Breast Cancer Resistance Protein (BCRP) by siRNA delivery using lipid-substituted aliphatic polymers. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2012, 81, 33-42.	2.0	33
110	Cellular uptake pathways of lipid-modified cationic polymers in gene delivery to primary cells. <i>Biomaterials</i> , 2012, 33, 7834-7848.	5.7	65
111	Probing the Effects of Lipid Substitution on Polycation Mediated DNA Aggregation: A Molecular Dynamics Simulations Study. <i>Biomacromolecules</i> , 2012, 13, 2982-2988.	2.6	17
112	Molecular Dynamics Simulations for Complexation of DNA with 2 kDa PEI Reveal Profound Effect of PEI Architecture on Complexation. <i>Journal of Physical Chemistry B</i> , 2012, 116, 2405-2413.	1.2	41
113	Osteogenic Differentiation of Human Mesenchymal Stem Cells Cultured with Dexamethasone, Vitamin D3, Basic Fibroblast Growth Factor, and Bone Morphogenetic Protein-2. <i>Connective Tissue Research</i> , 2012, 53, 117-131.	1.1	52
114	Specific effects of PEGylation on gene delivery efficacy of polyethylenimine: Interplay between PEG substitution and N/P ratio. <i>Acta Biomaterialia</i> , 2012, 8, 3941-3955.	4.1	63
115	Effective Non-Viral Delivery of siRNA to Acute Myeloid Leukemia Cells with Lipid-Substituted Polyethylenimines. <i>PLoS ONE</i> , 2012, 7, e44197.	1.1	42
116	Macrophages Inhibit Migration, Metabolic Activity and Osteogenic Differentiation of Human Mesenchymal Stem Cells in vitro. <i>Cells Tissues Organs</i> , 2012, 195, 473-483.	1.3	17
117	Supramolecular assemblies in functional siRNA delivery: Where do we stand?. <i>Biomaterials</i> , 2012, 33, 2546-2569.	5.7	121
118	Protein expression following non-viral delivery of plasmid DNA coding for basic FGF and BMP-2 in a rat ectopic model. <i>Biomaterials</i> , 2012, 33, 3363-3374.	5.7	33
119	Bisphosphonate-decorated lipid nanoparticles designed as drug carriers for bone diseases. <i>Journal of Biomedical Materials Research - Part A</i> , 2012, 100A, 684-693.	2.1	61
120	Abstract A65: Combinational siRNA silencing of MCL-1 and P-gp enhances the apoptotic response in Human Breast Cancer Cells. <i>Clinical Cancer Research</i> , 2012, 18, A65-A65.	3.2	0
121	Abstract B32: Impact of Lipid-Substitution on Assembly and Delivery of siRNA by Cationic Polymers. <i>Clinical Cancer Research</i> , 2012, 18, B32-B32.	3.2	0
122	A Comparative Evaluation of Disulfide-Linked and Hydrophobically-Modified PEI for Plasmid Delivery. <i>Journal of Biomaterials Science, Polymer Edition</i> , 2011, 22, 873-892.	1.9	24
123	Orthodontic Tooth Movement in Alveolar Cleft Repaired with a Tissue Engineering Bone: An Experimental Study in Dogs. <i>Tissue Engineering - Part A</i> , 2011, 17, 1313-1325.	1.6	50
124	STAT3 Knockdown in B16 Melanoma by siRNA Lipopolyplexes Induces Bystander Immune Response In Vitro and In Vivo. <i>Translational Oncology</i> , 2011, 4, 178-188.	1.7	37
125	Molecular Dynamics Simulations of PEI Mediated DNA Aggregation. <i>Biomacromolecules</i> , 2011, 12, 3698-3707.	2.6	38
126	Induction of Apoptosis by Survivin Silencing through siRNA Delivery in a Human Breast Cancer Cell Line. <i>Molecular Pharmaceutics</i> , 2011, 8, 1821-1830.	2.3	61

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127	Bisphosphonate-Derivatized Liposomes to Control Drug Release from Collagen/Hydroxyapatite Scaffolds. <i>Molecular Pharmaceutics</i> , 2011, 8, 1025-1034.	2.3	59
128	Molecular Dynamics Simulations of DNA/PEI Complexes: Effect of PEI Branching and Protonation State. <i>Biophysical Journal</i> , 2011, 100, 2754-2763.	0.2	127
129	siRNA-Mediated Down-Regulation of P-glycoprotein in a Xenograft Tumor Model in NOD-SCID Mice. <i>Pharmaceutical Research</i> , 2011, 28, 2516-2529.	1.7	21
130	Impact of Lipid Substitution on Assembly and Delivery of siRNA by Cationic Polymers. <i>Macromolecular Bioscience</i> , 2011, 11, 662-672.	2.1	77
131	Improved transfection efficiency of an aliphatic lipid substituted 2 kDa polyethylenimine is attributed to enhanced nuclear association and uptake in rat bone marrow stromal cell. <i>Journal of Gene Medicine</i> , 2011, 13, 46-59.	1.4	36
132	Lipid substitution on low molecular weight (0.6–2.0 kDa) polyethylenimine leads to a higher zeta potential of plasmid DNA and enhances transgene expression. <i>Acta Biomaterialia</i> , 2011, 7, 2209-2217.	4.1	51
133	Gene Therapy in Bone Regeneration: A Summary of Delivery Approaches for Effective Therapies. <i>Fundamental Biomedical Technologies</i> , 2011, , 813-846.	0.2	1
134	In Vitro Osteogenic Induction Of Human Gingival Fibroblasts For Bone Regeneration. <i>Open Dentistry Journal</i> , 2011, 5, 139-145.	0.2	32
135	Bone Morphogenetic Protein Binding Peptide Mechanism and Enhancement of Osteogenic Protein-1 Induced Bone Healing. <i>Spine</i> , 2010, 35, 2049-2056.	1.0	28
136	Synthesis, characterization and in vitro evaluation of a bone targeting delivery system for salmon Calcitonin. <i>International Journal of Pharmaceutics</i> , 2010, 394, 26-34.	2.6	22
137	Poly-L-lysine-coated albumin nanoparticles: Stability, mechanism for increasing in vitro enzymatic resilience, and siRNA release characteristics. <i>Acta Biomaterialia</i> , 2010, 6, 4277-4284.	4.1	62
138	The induction of tumor apoptosis in B16 melanoma following STAT3 siRNA delivery with a lipid-substituted polyethylenimine. <i>Biomaterials</i> , 2010, 31, 1420-1428.	5.7	110
139	Cationic polymer-mediated small interfering RNA delivery for P-glycoprotein down-regulation in tumor cells. <i>Cancer</i> , 2010, 116, 5544-5554.	2.0	35
140	Polyethylenimine-PEG coated albumin nanoparticles for BMP-2 delivery. <i>Biomaterials</i> , 2010, 31, 952-963.	5.7	90
141	Virus-mimetic polymeric micelles for targeted siRNA delivery. <i>Biomaterials</i> , 2010, 31, 5886-5893.	5.7	87
142	Thermodynamics of Polyethylenimine-DNA Binding and DNA Condensation. <i>Biophysical Journal</i> , 2010, 99, 201-207.	0.2	74
143	STAT3 Silencing in Dendritic Cells by siRNA Polyplexes Encapsulated in PLGA Nanoparticles for the Modulation of Anticancer Immune Response. <i>Molecular Pharmaceutics</i> , 2010, 7, 1643-1654.	2.3	86
144	Systematic evaluation of a tissue-engineered bone for maxillary sinus augmentation in large animal canine model. <i>Bone</i> , 2010, 46, 91-100.	1.4	45

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145	Bisphosphonate-coated BSA nanoparticles lack bone targeting after systemic administration. <i>Journal of Drug Targeting</i> , 2010, 18, 611-626.	2.1	28
146	Lipid and hydrophobic modification of cationic carriers on route to superior gene vectors. <i>Soft Matter</i> , 2010, 6, 2124.	1.2	82
147	Anabolic effects of low-intensity pulsed ultrasound on human gingival fibroblasts. <i>Archives of Oral Biology</i> , 2009, 54, 743-748.	0.8	48
148	Nanoparticulate Systems for Growth Factor Delivery. <i>Pharmaceutical Research</i> , 2009, 26, 1561-1580.	1.7	157
149	Nonviral Delivery of Basic Fibroblast Growth Factor Gene to Bone Marrow Stromal Cells. <i>Clinical Orthopaedics and Related Research</i> , 2009, 467, 3129-3137.	0.7	8
150	Biodegradable amphiphilic poly(ethylene oxide)-block-polyesters with grafted polyamines as supramolecular nanocarriers for efficient siRNA delivery. <i>Biomaterials</i> , 2009, 30, 242-253.	5.7	156
151	Pharmacokinetics and bone formation by BMP-2 entrapped in polyethylenimine-coated albumin nanoparticles. <i>Biomaterials</i> , 2009, 30, 5143-5155.	5.7	51
152	Aliphatic Lipid Substitution on 2 kDa Polyethylenimine Improves Plasmid Delivery and Transgene Expression. <i>Molecular Pharmaceutics</i> , 2009, 6, 1798-1815.	2.3	124
153	Relationship between the Extent of Lipid Substitution on Poly(L-lysine) and the DNA Delivery Efficiency. <i>ACS Applied Materials & Interfaces</i> , 2009, 1, 841-848.	4.0	36
154	Improved Bone Delivery of Osteoprotegerin by Bisphosphonate Conjugation in a Rat Model of Osteoarthritis. <i>Molecular Pharmaceutics</i> , 2009, 6, 634-640.	2.3	48
155	Formulation and Delivery of siRNA by Oleic Acid and Stearic Acid Modified Polyethylenimine. <i>Molecular Pharmaceutics</i> , 2009, 6, 121-133.	2.3	132
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