

Justin Hanes

List of Publications by Year in descending order

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Version: 2024-02-01

176
papers

23,882
citations

10351

72
h-index

7718

150
g-index

182
all docs

182
docs citations

182
times ranked

22872
citing authors

#	ARTICLE	IF	CITATIONS
1	A hypotonic gel-forming eye drop provides enhanced intraocular delivery of a kinase inhibitor with melanin-binding properties for sustained protection of retinal ganglion cells. <i>Drug Delivery and Translational Research</i> , 2022, 12, 826-837.	3.0	12
2	Inhaled gene therapy of preclinical muco-obstructive lung diseases by nanoparticles capable of breaching the airway mucus barrier. <i>Thorax</i> , 2022, 77, 812-820.	2.7	9
3	Preclinical evaluation of a hypotonic docetaxel nanosuspension formulation for intravesical treatment of non-muscle-invasive bladder cancer. <i>Drug Delivery and Translational Research</i> , 2021, 11, 2085-2095.	3.0	3
4	Ultra-thin, high strength, antibiotic-eluting sutures for prevention of ophthalmic infection. <i>Bioengineering and Translational Medicine</i> , 2021, 6, e10204.	3.9	21
5	Strategy to Enhance Dendritic Cell-Mediated DNA Vaccination in the Lung. <i>Advanced Therapeutics</i> , 2021, 4, 2000228.	1.6	8
6	Avoiding a Sticky Situation: Bypassing the Mucus Barrier for Improved Local Drug Delivery. <i>Trends in Molecular Medicine</i> , 2021, 27, 436-450.	3.5	44
7	Ion-Complex Microcrystal Formulation Provides Sustained Delivery of a Multimodal Kinase Inhibitor from the Subconjunctival Space for Protection of Retinal Ganglion Cells. <i>Pharmaceutics</i> , 2021, 13, 647.	2.0	10
8	An ion-paired moxifloxacin nanosuspension eye drop provides improved prevention and treatment of ocular infection. <i>Bioengineering and Translational Medicine</i> , 2021, 6, e10238.	3.9	9
9	Large-scale phenotypic drug screen identifies neuroprotectants in zebrafish and mouse models of retinitis pigmentosa. <i>ELife</i> , 2021, 10, .	2.8	15
10	Enhanced drug delivery to the reproductive tract using nanomedicine reveals therapeutic options for prevention of preterm birth. <i>Science Translational Medicine</i> , 2021, 13, .	5.8	32
11	Characterization of an Adapted Murine Model of Intrauterine Inflammation-Induced Preterm Birth. <i>American Journal of Pathology</i> , 2020, 190, 295-305.	1.9	10
12	Excess mucus viscosity and airway dehydration impact COPD airway clearance. <i>European Respiratory Journal</i> , 2020, 55, 1900419.	3.1	46
13	Sunitinib malate-loaded biodegradable microspheres for the prevention of corneal neovascularization in rats. <i>Journal of Controlled Release</i> , 2020, 327, 456-466.	4.8	23
14	Nano-structured glaucoma drainage implant safely and significantly reduces intraocular pressure in rabbits via post-operative outflow modulation. <i>Scientific Reports</i> , 2020, 10, 12911.	1.6	8
15	Gelling hypotonic polymer solution for extended topical drug delivery to the eye. <i>Nature Biomedical Engineering</i> , 2020, 4, 1053-1062.	11.6	69
16	Augmentation of brain tumor interstitial flow via focused ultrasound promotes brain-penetrating nanoparticle dispersion and transfection. <i>Science Advances</i> , 2020, 6, eaay1344.	4.7	73
17	Strategy to Enhance Dendritic Cell-Mediated DNA Vaccination in the Lung. <i>Advanced Therapeutics</i> , 2020, 3, 2000013.	1.6	7
18	Nanoparticle-based thymulin gene therapy therapeutically reverses key pathology of experimental allergic asthma. <i>Science Advances</i> , 2020, 6, eaay7973.	4.7	31

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19	Sustained treatment of retinal vascular diseases with self-aggregating sunitinib microparticles. <i>Nature Communications</i> , 2020, 11, 694.	5.8	52
20	Non-adhesive and highly stable biodegradable nanoparticles that provide widespread and safe transgene expression in orthotopic brain tumors. <i>Drug Delivery and Translational Research</i> , 2020, 10, 572-581.	3.0	7
21	Sustained delivery of acriflavine from the suprachoroidal space provides long term suppression of choroidal neovascularization. <i>Biomaterials</i> , 2020, 243, 119935.	5.7	27
22	Adjuvant-Active Polymeric Microparticulate Vaccine-Delivery Systems. , 2020, , 349-379.		1
23	The cervicovaginal mucus barrier to HIV-1 is diminished in bacterial vaginosis. <i>PLoS Pathogens</i> , 2020, 16, e1008236.	2.1	46
24	Development of rectal enema as microbicide (DREAM): Preclinical progressive selection of a tenofovir prodrug enema. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2019, 138, 23-29.	2.0	17
25	Focused Ultrasound Preconditioning for Augmented Nanoparticle Penetration and Efficacy in the Central Nervous System. <i>Small</i> , 2019, 15, e1903460.	5.2	22
26	Controlled release of dexamethasone sodium phosphate with biodegradable nanoparticles for preventing experimental corneal neovascularization. <i>Nanomedicine: Nanotechnology, Biology, and Medicine</i> , 2019, 17, 119-123.	1.7	33
27	Upregulation of the Glutaminase II Pathway Contributes to Glutamate Production upon Glutaminase 1 Inhibition in Pancreatic Cancer. <i>Proteomics</i> , 2019, 19, e1800451.	1.3	36
28	Parkinson's disease gene therapy: Will focused ultrasound and nanovectors be the next frontier?. <i>Movement Disorders</i> , 2019, 34, 1279-1282.	2.2	14
29	Targeting of dermal myofibroblasts through death receptor 5 arrests fibrosis in mouse models of scleroderma. <i>Nature Communications</i> , 2019, 10, 1128.	5.8	28
30	Widespread gene transfer to malignant gliomas with In vitro-to-In vivo correlation. <i>Journal of Controlled Release</i> , 2019, 303, 1-11.	4.8	21
31	Molecularly defined cortical astroglia subpopulation modulates neurons via secretion of Norrin. <i>Nature Neuroscience</i> , 2019, 22, 741-752.	7.1	64
32	Hypoxia-tropic Protein Nanocages for Modulation of Tumor- and Chemotherapy-Associated Hypoxia. <i>ACS Nano</i> , 2019, 13, 236-247.	7.3	64
33	Controlled release of corticosteroid with biodegradable nanoparticles for treating experimental autoimmune uveitis. <i>Journal of Controlled Release</i> , 2019, 296, 68-80.	4.8	50
34	Development of a mucoinert progesterone nanosuspension for safer and more effective prevention of preterm birth. <i>Journal of Controlled Release</i> , 2019, 295, 74-86.	4.8	31
35	A glycopolymer improves viscoelasticity and mucociliary transport of abnormal cystic fibrosis mucus. <i>JCI Insight</i> , 2019, 4, .	2.3	35
36	<i>Pseudomonas aeruginosa</i> pyocyanin production reduced by quorum-sensing inhibiting nanocarriers. <i>International Journal of Pharmaceutics</i> , 2018, 544, 75-82.	2.6	11

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37	An Adeno-Associated Viral Vector Capable of Penetrating the Mucus Barrier to Inhaled Gene Therapy. <i>Molecular Therapy - Methods and Clinical Development</i> , 2018, 9, 296-304.	1.8	40
38	Effects of enzymatic degradation on dynamic mechanical properties of the vitreous and intravitreal nanoparticle mobility. <i>European Journal of Pharmaceutical Sciences</i> , 2018, 118, 124-133.	1.9	19
39	Fate of PEGylated antibody fragments following delivery to the lungs: Influence of delivery site, PEG size and lung inflammation. <i>Journal of Controlled Release</i> , 2018, 272, 62-71.	4.8	38
40	Mucus-penetrating budesonide nanosuspension enema for local treatment of inflammatory bowel disease. <i>Biomaterials</i> , 2018, 185, 97-105.	5.7	74
41	Sustained Dorzolamide Release Prevents Axonal and Retinal Ganglion Cell Loss in a Rat Model of IOP-associated Glaucoma. <i>Translational Vision Science and Technology</i> , 2018, 7, 13.	1.1	13
42	PEGylated enhanced cell penetrating peptide nanoparticles for lung gene therapy. <i>Journal of Controlled Release</i> , 2018, 285, 35-45.	4.8	150
43	Therapeutic effects of adipose-tissue-derived mesenchymal stromal cells and their extracellular vesicles in experimental silicosis. <i>Respiratory Research</i> , 2018, 19, 104.	1.4	44
44	Convection enhanced delivery of cisplatin-loaded brain penetrating nanoparticles cures malignant glioma in rats. <i>Journal of Controlled Release</i> , 2017, 263, 112-119.	4.8	90
45	Immunomodulation-accelerated neuronal regeneration following selective rod photoreceptor cell ablation in the zebrafish retina. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017, 114, E3719-E3728.	3.3	155
46	Novel Focused Ultrasound Gene Therapy Approach Noninvasively Restores Dopaminergic Neuron Function in a Rat Parkinson's Disease Model. <i>Nano Letters</i> , 2017, 17, 3533-3542.	4.5	126
47	Photoactivatable fluorescent probes reveal heterogeneous nanoparticle permeation through biological gels at multiple scales. <i>Journal of Controlled Release</i> , 2017, 260, 124-133.	4.8	14
48	Nanoparticles that do not adhere to mucus provide uniform and long-lasting drug delivery to airways following inhalation. <i>Science Advances</i> , 2017, 3, e1601556.	4.7	219
49	MR image-guided delivery of cisplatin-loaded brain-penetrating nanoparticles to invasive glioma with focused ultrasound. <i>Journal of Controlled Release</i> , 2017, 263, 120-131.	4.8	95
50	Strategies to enhance the distribution of nanotherapeutics in the brain. <i>Journal of Controlled Release</i> , 2017, 267, 232-239.	4.8	23
51	Protein nanocages that penetrate airway mucus and tumor tissue. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017, 114, E6595-E6602.	3.3	102
52	Preclinical Evaluation of Intravesical Cisplatin Nanoparticles for Non-muscle-Invasive Bladder Cancer. <i>Clinical Cancer Research</i> , 2017, 23, 6592-6601.	3.2	43
53	Biodegradable brain-penetrating DNA nanocomplexes and their use to treat malignant brain tumors. <i>Journal of Controlled Release</i> , 2017, 262, 37-46.	4.8	45
54	Development of Absorbable, Antibiotic-Eluting Sutures for Ophthalmic Surgery. <i>Translational Vision Science and Technology</i> , 2017, 6, 1.	1.1	20

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55	Biodegradable DNA Nanoparticles that Provide Widespread Gene Delivery in the Brain. <i>Small</i> , 2016, 12, 678-685.	5.2	47
56	Systemic PEGylated TRAIL treatment ameliorates liver cirrhosis in rats by eliminating activated hepatic stellate cells. <i>Hepatology</i> , 2016, 64, 209-223.	3.6	59
57	Subconjunctival Delivery of Dorzolamide-Loaded Poly(ether-anhydride) Microparticles Produces Sustained Lowering of Intraocular Pressure in Rabbits. <i>Molecular Pharmaceutics</i> , 2016, 13, 2987-2995.	2.3	36
58	Combination therapy with cystic fibrosis transmembrane conductance regulator modulators augment the airway functional microanatomy. <i>American Journal of Physiology - Lung Cellular and Molecular Physiology</i> , 2016, 310, L928-L939.	1.3	58
59	Barriers to inhaled gene therapy of obstructive lung diseases: A review. <i>Journal of Controlled Release</i> , 2016, 240, 465-488.	4.8	87
60	Nanoparticles coated with high molecular weight PEG penetrate mucus and provide uniform vaginal and colorectal distribution <i>in vivo</i> . <i>Nanomedicine</i> , 2016, 11, 1337-1343.	1.7	107
61	Mucus- <i>Penetrating</i> Nanosuspensions for Enhanced Delivery of Poorly Soluble Drugs to Mucosal Surfaces. <i>Advanced Healthcare Materials</i> , 2016, 5, 2745-2750.	3.9	31
62	The Mucus Barrier to Inhaled Gene Therapy. <i>Molecular Therapy</i> , 2016, 24, 2043-2053.	3.7	138
63	Enhancing intracranial delivery of clinically relevant non-viral gene vectors. <i>RSC Advances</i> , 2016, 6, 41665-41674.	1.7	10
64	Combination therapy with BPTES nanoparticles and metformin targets the metabolic heterogeneity of pancreatic cancer. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016, 113, E5328-36.	3.3	180
65	Hyaluronic acid-conjugated lipoplexes for targeted delivery of siRNA in a murine metastatic lung cancer model. <i>International Journal of Pharmaceutics</i> , 2016, 514, 103-111.	2.6	34
66	Particle-Tracking Microrheology Using Micro-Optical Coherence Tomography. <i>Biophysical Journal</i> , 2016, 111, 1053-1063.	0.2	26
67	Nanoparticles for oral delivery: Design, evaluation and state-of-the-art. <i>Journal of Controlled Release</i> , 2016, 240, 504-526.	4.8	332
68	Targeted gene transfer to the brain via the delivery of brain-penetrating DNA nanoparticles with focused ultrasound. <i>Journal of Controlled Release</i> , 2016, 223, 109-117.	4.8	128
69	PEGylation as a strategy for improving nanoparticle-based drug and gene delivery. <i>Advanced Drug Delivery Reviews</i> , 2016, 99, 28-51.	6.6	2,748
70	Microstructural alterations of sputum in cystic fibrosis lung disease. <i>JCI Insight</i> , 2016, 1, e88198.	2.3	71
71	DNA Nanoparticles: Highly PEGylated DNA Nanoparticles Provide Uniform and Widespread Gene Transfer in the Brain (<i>Adv. Healthcare Mater.</i> 7/2015). <i>Advanced Healthcare Materials</i> , 2015, 4, 942-942.	3.9	0
72	Editorial. <i>Journal of Controlled Release</i> , 2015, 219, 1.	4.8	0

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73	Modulating <i>Vibrio cholerae</i> Quorum-Sensing-Controlled Communication Using Autoinducer-Loaded Nanoparticles. <i>Nano Letters</i> , 2015, 15, 2235-2241.	4.5	47
74	Liposome-based mucus-penetrating particles (MPP) for mucosal theranostics: Demonstration of diamagnetic chemical exchange saturation transfer (diaCEST) magnetic resonance imaging (MRI). <i>Nanomedicine: Nanotechnology, Biology, and Medicine</i> , 2015, 11, 401-405.	1.7	44
75	Corticosteroid-loaded biodegradable nanoparticles for prevention of corneal allograft rejection in rats. <i>Journal of Controlled Release</i> , 2015, 201, 32-40.	4.8	75
76	Highly compacted biodegradable DNA nanoparticles capable of overcoming the mucus barrier for inhaled lung gene therapy. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015, 112, 8720-8725.	3.3	164
77	Particle tracking in drug and gene delivery research: State-of-the-art applications and methods. <i>Advanced Drug Delivery Reviews</i> , 2015, 91, 70-91.	6.6	114
78	Highly PEGylated DNA Nanoparticles Provide Uniform and Widespread Gene Transfer in the Brain. <i>Advanced Healthcare Materials</i> , 2015, 4, 1023-1033.	3.9	69
79	Uniform brain tumor distribution and tumor associated macrophage targeting of systemically administered dendrimers. <i>Biomaterials</i> , 2015, 52, 507-516.	5.7	83
80	Enema ion compositions for enhancing colorectal drug delivery. <i>Journal of Controlled Release</i> , 2015, 209, 280-287.	4.8	34
81	Impact of Surface Polyethylene Glycol (PEG) Density on Biodegradable Nanoparticle Transport in Mucus <i>ex Vivo</i> and Distribution <i>in Vivo</i> . <i>ACS Nano</i> , 2015, 9, 9217-9227.	7.3	425
82	Hydroxyl PAMAM dendrimer-based gene vectors for transgene delivery to human retinal pigment epithelial cells. <i>Nanoscale</i> , 2015, 7, 3845-3856.	2.8	62
83	Minimizing the non-specific binding of nanoparticles to the brain enables active targeting of Fn14-positive glioblastoma cells. <i>Biomaterials</i> , 2015, 42, 42-51.	5.7	60
84	Effect of surface chemistry on nanoparticle interaction with gastrointestinal mucus and distribution in the gastrointestinal tract following oral and rectal administration in the mouse. <i>Journal of Controlled Release</i> , 2015, 197, 48-57.	4.8	257
85	Cellular trafficking and anticancer activity of <i>Garcinia mangostana</i> extract-encapsulated polymeric nanoparticles. <i>International Journal of Nanomedicine</i> , 2014, 9, 3677.	3.3	13
86	Highly compacted pH-responsive DNA nanoparticles mediate transgene silencing in experimental glioma. <i>Journal of Materials Chemistry B</i> , 2014, 2, 8165-8173.	2.9	9
87	Emerging Insights into Barriers to Effective Brain Tumor Therapeutics. <i>Frontiers in Oncology</i> , 2014, 4, 126.	1.3	127
88	Single particle tracking reveals spatial and dynamic organization of the <i>Escherichia coli</i> biofilm matrix. <i>New Journal of Physics</i> , 2014, 16, 085014.	1.2	48
89	Vaginal Delivery of Paclitaxel via Nanoparticles with Non- μ coadhesive Surfaces Suppresses Cervical Tumor Growth. <i>Advanced Healthcare Materials</i> , 2014, 3, 1044-1052.	3.9	85
90	Cancer Therapy: Vaginal Delivery of Paclitaxel via Nanoparticles with Non- μ coadhesive Surfaces Suppresses Cervical Tumor Growth (Adv. Healthcare Mater. 7/2014). <i>Advanced Healthcare Materials</i> , 2014, 3, 1120-1120.	3.9	0

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91	A diaCEST MRI approach for monitoring liposomal accumulation in tumors. <i>Journal of Controlled Release</i> , 2014, 180, 51-59.	4.8	52
92	Pretreatment of Human Cervicovaginal Mucus with Pluronic F127 Enhances Nanoparticle Penetration without Compromising Mucus Barrier Properties to Herpes Simplex Virus. <i>Biomacromolecules</i> , 2014, 15, 4403-4409.	2.6	28
93	Non-invasive delivery of stealth, brain-penetrating nanoparticles across the blood ~ brain barrier using MRI-guided focused ultrasound. <i>Journal of Controlled Release</i> , 2014, 189, 123-132.	4.8	216
94	Overcoming the Cystic Fibrosis Sputum Barrier to Leading Adeno-associated Virus Gene Therapy Vectors. <i>Molecular Therapy</i> , 2014, 22, 1484-1493.	3.7	75
95	A Functional Anatomic Defect of the Cystic Fibrosis Airway. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2014, 190, 421-432.	2.5	135
96	Nanoparticle penetration of human cervicovaginal mucus: The effect of polyvinyl alcohol. <i>Journal of Controlled Release</i> , 2014, 192, 202-208.	4.8	99
97	Brain-Penetrating Nanoparticles Improve Paclitaxel Efficacy in Malignant Glioma Following Local Administration. <i>ACS Nano</i> , 2014, 8, 10655-10664.	7.3	215
98	Intraperitoneal delivery of paclitaxel by poly(ether-anhydride) microspheres effectively suppresses tumor growth in a murine metastatic ovarian cancer model. <i>Drug Delivery and Translational Research</i> , 2014, 4, 203-209.	3.0	12
99	DNA nanoparticle-mediated thymulin gene therapy prevents airway remodeling in experimental allergic asthma. <i>Journal of Controlled Release</i> , 2014, 180, 125-133.	4.8	51
100	Lung gene therapy with highly compacted DNA nanoparticles that overcome the mucus barrier. <i>Journal of Controlled Release</i> , 2014, 178, 8-17.	4.8	160
101	Nanoparticle-based drug delivery to the vagina: A review. <i>Journal of Controlled Release</i> , 2014, 190, 500-514.	4.8	166
102	Hyaluronan in cervical epithelia protects against infection-mediated preterm birth. <i>Journal of Clinical Investigation</i> , 2014, 124, 5481-5489.	3.9	89
103	Scalable method to produce biodegradable nanoparticles that rapidly penetrate human mucus. <i>Journal of Controlled Release</i> , 2013, 170, 279-286.	4.8	108
104	The Microstructure and Bulk Rheology of Human Cervicovaginal Mucus Are Remarkably Resistant to Changes in pH. <i>Biomacromolecules</i> , 2013, 14, 4429-4435.	2.6	48
105	Nanoparticle diffusion in, and microrheology of, the bovine vitreous ex vivo. <i>Journal of Controlled Release</i> , 2013, 167, 76-84.	4.8	233
106	MRI-detectable pH nanosensors incorporated into hydrogels for in vivo sensing of transplanted-cell viability. <i>Nature Materials</i> , 2013, 12, 268-275.	13.3	189
107	Ex Vivo Characterization of Particle Transport in Mucus Secretions Coating Freshly Excised Mucosal Tissues. <i>Molecular Pharmaceutics</i> , 2013, 10, 2176-2182.	2.3	81
108	Nanoparticle diffusion in respiratory mucus from humans without lung disease. <i>Biomaterials</i> , 2013, 34, 3439-3446.	5.7	336

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109	Functional genomic screening identifies dual leucine zipper kinase as a key mediator of retinal ganglion cell death. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2013, 110, 4045-4050.	3.3	239
110	Use of Single-site Functionalized PEG Dendrons To Prepare Gene Vectors that Penetrate Human Mucus Barriers. <i>Angewandte Chemie - International Edition</i> , 2013, 52, 3985-3988.	7.2	55
111	Particulate Matter in Cigarette Smoke Increases Ciliary Axoneme Beating Through Mechanical Stimulation. <i>Journal of Aerosol Medicine and Pulmonary Drug Delivery</i> , 2012, 25, 159-168.	0.7	27
112	A Dense Poly(Ethylene Glycol) Coating Improves Penetration of Large Polymeric Nanoparticles Within Brain Tissue. <i>Science Translational Medicine</i> , 2012, 4, 149ra119.	5.8	506
113	Markedly enhanced skeletal muscle transfection achieved by the ultrasound-targeted delivery of non-viral gene nanocarriers with microbubbles. <i>Journal of Controlled Release</i> , 2012, 162, 414-421.	4.8	39
114	Transport of metal oxide nanoparticles and single-walled carbon nanotubes in human mucus. <i>Nanotoxicology</i> , 2012, 6, 614-622.	1.6	38
115	Mucus-Penetrating Nanoparticles for Vaginal Drug Delivery Protect Against Herpes Simplex Virus. <i>Science Translational Medicine</i> , 2012, 4, 138ra79.	5.8	291
116	Mucus Penetrating Nanoparticles: Biophysical Tool and Method of Drug and Gene Delivery. <i>Advanced Materials</i> , 2012, 24, 3887-3894.	11.1	223
117	The emergence of multiple particle tracking in intracellular trafficking of nanomedicines. <i>Biophysical Reviews</i> , 2012, 4, 83-92.	1.5	11
118	Oral drug delivery with polymeric nanoparticles: The gastrointestinal mucus barriers. <i>Advanced Drug Delivery Reviews</i> , 2012, 64, 557-570.	6.6	1,227
119	Enhancement of airway gene transfer by DNA nanoparticles using a pH-responsive block copolymer of polyethylene glycol and poly-l-lysine. <i>Biomaterials</i> , 2012, 33, 2361-2371.	5.7	45
120	Highly compacted DNA nanoparticles with low MW PEG coatings: In vitro, ex vivo and in vivo evaluation. <i>Journal of Controlled Release</i> , 2012, 157, 72-79.	4.8	79
121	A poly(ethylene glycol)-based surfactant for formulation of drug-loaded mucus penetrating particles. <i>Journal of Controlled Release</i> , 2012, 157, 455-460.	4.8	99
122	Non-degradative intracellular trafficking of highly compacted polymeric DNA nanoparticles. <i>Journal of Controlled Release</i> , 2012, 158, 102-107.	4.8	40
123	Real-time gene delivery vector tracking in the endolysosomal pathway of live cells. <i>Microscopy Research and Technique</i> , 2012, 75, 691-697.	1.2	29
124	Biodegradable mucus-penetrating nanoparticles composed of diblock copolymers of polyethylene glycol and poly(lactic-co-glycolic acid). <i>Drug Delivery and Translational Research</i> , 2012, 2, 124-128.	3.0	64
125	Mucoadhesive Nanoparticles May Disrupt the Protective Human Mucus Barrier by Altering Its Microstructure. <i>PLoS ONE</i> , 2011, 6, e21547.	1.1	90
126	N-acetylcysteine Enhances Cystic Fibrosis Sputum Penetration and Airway Gene Transfer by Highly Compacted DNA Nanoparticles. <i>Molecular Therapy</i> , 2011, 19, 1981-1989.	3.7	80

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127	Biodegradable Nanoparticles Composed Entirely of Safe Materials that Rapidly Penetrate Human Mucus. <i>Angewandte Chemie - International Edition</i> , 2011, 50, 2597-2600.	7.2	215
128	Drug carrier nanoparticles that penetrate human chronic rhinosinusitis mucus. <i>Biomaterials</i> , 2011, 32, 6285-6290.	5.7	117
129	Rapid transport of muco-inert nanoparticles in cystic fibrosis sputum treated with <i>N</i> -acetyl cysteine. <i>Nanomedicine</i> , 2011, 6, 365-375.	1.7	147
130	Common Gene Therapy Viral Vectors Do Not Efficiently Penetrate Sputum from Cystic Fibrosis Patients. <i>PLoS ONE</i> , 2011, 6, e19919.	1.1	64
131	Development of delivery methods for carbohydrate-based drugs: controlled release of biologically-active short chain fatty acid-hexosamine analogs. <i>Glycoconjugate Journal</i> , 2010, 27, 445-459.	1.4	16
132	Novel Approaches to Vaginal Delivery and Safety of Microbicides: Biopharmaceuticals, Nanoparticles, and Vaccines. <i>Antiviral Research</i> , 2010, 88, S55-S66.	1.9	80
133	Enhanced efficacy of local etoposide delivery by poly(ether-anhydride) particles against small cell lung cancer in vivo. <i>Biomaterials</i> , 2010, 31, 339-344.	5.7	37
134	Nanoparticles reveal that human cervicovaginal mucus is riddled with pores larger than viruses. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2010, 107, 598-603.	3.3	321
135	Biodegradable polymer nanoparticles that rapidly penetrate the human mucus barrier. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2009, 106, 19268-19273.	3.3	399
136	Human Immunodeficiency Virus Type 1 Is Trapped by Acidic but Not by Neutralized Human Cervicovaginal Mucus. <i>Journal of Virology</i> , 2009, 83, 11196-11200.	1.5	217
137	The penetration of fresh undiluted sputum expectorated by cystic fibrosis patients by non-adhesive polymer nanoparticles. <i>Biomaterials</i> , 2009, 30, 2591-2597.	5.7	285
138	Micro- and macrorheology of mucus. <i>Advanced Drug Delivery Reviews</i> , 2009, 61, 86-100.	6.6	919
139	Mucus-penetrating nanoparticles for drug and gene delivery to mucosal tissues. <i>Advanced Drug Delivery Reviews</i> , 2009, 61, 158-171.	6.6	1,432
140	Drug and gene delivery to mucosal tissues: the mucus barrier. <i>Advanced Drug Delivery Reviews</i> , 2009, 61, 73-74.	6.6	11
141	Altering Mucus Rheology to "Solidify" Human Mucus at the Nanoscale. <i>PLoS ONE</i> , 2009, 4, e4294.	1.1	120
142	Polymeric particles conjugated with a ligand to VCAM-1 exhibit selective, avid, and focal adhesion to sites of atherosclerosis. <i>Biotechnology and Bioengineering</i> , 2008, 101, 400-407.	1.7	34
143	Addressing the PEG Mucoadhesivity Paradox to Engineer Nanoparticles that "Slip" through the Human Mucus Barrier. <i>Angewandte Chemie - International Edition</i> , 2008, 47, 9726-9729.	7.2	503
144	Real-Time Intracellular Transport of Gene Nanocarriers Studied by Multiple Particle Tracking. <i>Biotechnology Progress</i> , 2008, 20, 598-602.	1.3	73

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145	Characterization of the intracellular dynamics of a non-degradative pathway accessed by polymer nanoparticles. <i>Journal of Controlled Release</i> , 2008, 125, 107-111.	4.8	63
146	Real-Time Multiple Particle Tracking of Gene Nanocarriers in Complex Biological Environments. , 2008, 434, 81-97.		22
147	Rapid transport of large polymeric nanoparticles in fresh undiluted human mucus. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2007, 104, 1482-1487.	3.3	875
148	Privileged delivery of polymer nanoparticles to the perinuclear region of live cells via a non-clathrin, non-degradative pathway. <i>Biomaterials</i> , 2007, 28, 2876-2884.	5.7	237
149	PEGylation of nanoparticles improves their cytoplasmic transport. <i>International Journal of Nanomedicine</i> , 2007, 2, 735-41.	3.3	56
150	Quantifying the intracellular transport of viral and nonviral gene vectors in primary neurons. <i>Experimental Biology and Medicine</i> , 2007, 232, 461-9.	1.1	37
151	Gene delivery to differentiated neurotypic cells with RGD and HIV Tat peptide functionalized polymeric nanoparticles. <i>Biomaterials</i> , 2006, 27, 5143-5150.	5.7	144
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