

# Mitsuru Hashida

## List of Publications by Year in descending order

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317  
papers

14,678  
citations

15495

65  
h-index

34964

98  
g-index

329  
all docs

329  
docs citations

329  
times ranked

13083  
citing authors

| #  | ARTICLE  | IF  | CITATIONS |
|----|--|-----|-----------|
| 1  | The fate of plasmid DNA after intravenous injection in mice: involvement of scavenger receptors in its hepatic uptake. <i>Pharmaceutical Research</i> , 1995, 12, 825-830.   | 1.7 | 403       |
| 2  | Luminescent proteins for high-speed single-cell and whole-body imaging. <i>Nature Communications</i> , 2012, 3, 1262.  | 5.8 | 247       |
| 3  | Disposition characteristics of macromolecules in tumor-bearing mice. <i>Pharmaceutical Research</i> , 1990, 07, 339-346.   | 1.7 | 207       |
| 4  | Macromolecular carrier systems for targeted drug delivery: pharmacokinetic considerations on biodistribution. <i>Pharmaceutical Research</i> , 1996, 13, 820-831.  | 1.7 | 205       |
| 5  | Novel PEG-matrix metalloproteinase-2 cleavable peptide-lipid containing galactosylated liposomes for hepatocellular carcinoma-selective targeting. <i>Journal of Controlled Release</i> , 2006, 111, 333-342.  | 4.8 | 182       |
| 6  | Cell-specific delivery of genes with glycosylated carriers. <i>Advanced Drug Delivery Reviews</i> , 2001, 52, 187-196.   | 6.6 | 173       |
| 7  | Disposition and tumor localization of mitomycin C-dextran conjugates in mice. <i>Pharmaceutical Research</i> , 1987, 04, 293-300.  | 1.7 | 163       |
| 8  | Molecular weight-dependent gene transfection activity of unmodified and galactosylated polyethyleneimine on hepatoma cells and mouse liver. <i>Molecular Therapy</i> , 2003, 7, 254-261.   | 3.7 | 163       |
| 9  | Photodynamic and Photothermal Effects of Semiconducting and Metallic-Enriched Single-Walled Carbon Nanotubes. <i>Journal of the American Chemical Society</i> , 2012, 134, 17862-17865.  | 6.6 | 163       |
| 10 | In Silico Approaches for Predicting ADME Properties of Drugs. <i>Drug Metabolism and Pharmacokinetics</i> , 2004, 19, 327-338.   | 1.1 | 162       |
| 11 | Catalase delivery for inhibiting ROS-mediated tissue injury and tumor metastasis. <i>Advanced Drug Delivery Reviews</i> , 2009, 61, 319-326.   | 6.6 | 162       |
| 12 | Asialoglycoprotein Receptor-Mediated Gene Transfer Using Novel Galactosylated Cationic Liposomes. <i>Biochemical and Biophysical Research Communications</i> , 1998, 252, 78-83.   | 1.0 | 161       |
| 13 | Effect of DNA/liposome mixing ratio on the physicochemical characteristics, cellular uptake and intracellular trafficking of plasmid DNA/cationic liposome complexes and subsequent gene expression. <i>Journal of Controlled Release</i> , 2000, 66, 255-269. | 4.8 | 160       |
| 14 | In vivo gene delivery to the liver using novel galactosylated cationic liposomes. <i>Pharmaceutical Research</i> , 2000, 17, 306-313.  | 1.7 | 155       |
| 15 | Physicochemical and Pharmacokinetic Characteristics of Plasmid DNA/ Cationic Liposome Complexes. <i>Journal of Pharmaceutical Sciences</i> , 1995, 84, 1267-1271.  | 1.6 | 152       |
| 16 | Targeted delivery of plasmid DNA complexed with galactosylated poly(L-lysine). <i>Journal of Controlled Release</i> , 1998, 53, 301-310.   | 4.8 | 141       |
| 17 | Creation of Pure Nanodrugs and Their Anticancer Properties. <i>Angewandte Chemie - International Edition</i> , 2012, 51, 10315-10318.  | 7.2 | 140       |
| 18 | Efficient targeting to alveolar macrophages by intratracheal administration of mannosylated liposomes in rats. <i>Journal of Controlled Release</i> , 2008, 125, 121-130.  | 4.8 | 137       |

| #  | ARTICLE   | IF  | CITATIONS |
|----|---|-----|-----------|
| 19 | Efficient Gene Transfection by Histidine-Modified Chitosan through Enhancement of Endosomal Escape. <i>Bioconjugate Chemistry</i> , 2010, 21, 1087-1095.                                    | 1.8 | 133       |
| 20 | Long Circulating Emulsion Carrier Systems for Highly Lipophilic Drugs.. <i>Biological and Pharmaceutical Bulletin</i> , 1994, 17, 121-125.  | 0.6 | 132       |
| 21 | Small interfering RNA delivery to the liver by intravenous administration of galactosylated cationic liposomes in mice. <i>Biomaterials</i> , 2007, 28, 1434-1442.                          | 5.7 | 130       |
| 22 | Effect of particle size and charge on the disposition of lipid carriers after intratumoral injection into tissue-isolated tumors. <i>Pharmaceutical Research</i> , 1998, 15, 128-132.       | 1.7 | 125       |
| 23 | PEGylated lysine dendrimers for tumor-selective targeting after intravenous injection in tumor-bearing mice. <i>Journal of Controlled Release</i> , 2006, 116, 330-336.                     | 4.8 | 124       |
| 24 | Nonviral approaches for targeted delivery of plasmid DNA and oligonucleotide. <i>Journal of Pharmaceutical Sciences</i> , 2008, 97, 726-745.  | 1.6 | 124       |
| 25 | Extravasation of macromolecules. <i>Advanced Drug Delivery Reviews</i> , 1998, 34, 93-108.  | 6.6 | 122       |
| 26 | Hepatic uptake of polystyrene microspheres in rats: Effect of particle size on intrahepatic distribution. <i>Journal of Controlled Release</i> , 1999, 59, 15-22.                           | 4.8 | 119       |
| 27 | Structure-Activity Relationship of 1-Alkyl- or 1-Alkenylazacycloal kanone Derivatives as Percutaneous Penetration Enhancers. <i>Journal of Pharmaceutical Sciences</i> , 1988, 77, 418-424. | 1.6 | 113       |
| 28 | Macromolecular drug carrier systems in cancer chemotherapy: macromolecular prodrugs. <i>Critical Reviews in Oncology/Hematology</i> , 1995, 18, 207-231.                                    | 2.0 | 113       |
| 29 | Biodistribution characteristics of mannosylated, fucosylated, and galactosylated liposomes in mice. <i>Biochimica Et Biophysica Acta - General Subjects</i> , 2000, 1524, 258-265.          | 1.1 | 113       |
| 30 | Designing Dendrimers for Drug Delivery and Imaging: Pharmacokinetic Considerations. <i>Pharmaceutical Research</i> , 2011, 28, 1500-1519.   | 1.7 | 113       |
| 31 | Pharmacokinetic considerations for targeted drug delivery. <i>Advanced Drug Delivery Reviews</i> , 2013, 65, 139-147.   | 6.6 | 111       |
| 32 | In Vivo Disposition Characteristics of Plasmid DNA Complexed with Cationic Liposomes. <i>Journal of Drug Targeting</i> , 1995, 3, 149-157.  | 2.1 | 108       |
| 33 | Biodistribution characteristics of amino acid dendrimers and their PEGylated derivatives after intravenous administration. <i>Journal of Controlled Release</i> , 2006, 114, 69-77.         | 4.8 | 105       |
| 34 | Strategies for In Vivo Delivery of siRNAs. <i>BioDrugs</i> , 2010, 24, 195-205.   | 2.2 | 105       |
| 35 | Photothermal ablation of tumor cells using a single-walled carbon nanotube-peptide composite. <i>Journal of Controlled Release</i> , 2014, 173, 59-66.                                      | 4.8 | 104       |
| 36 | Ultrasound induced cancer immunotherapy. <i>Advanced Drug Delivery Reviews</i> , 2014, 72, 144-153.   | 6.6 | 103       |

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|----|--|-----|-----------|
| 37 | Nonviral Approaches Satisfying Various Requirements for Effective in Vivo Gene Therapy.. Biological and Pharmaceutical Bulletin, 2002, 25, 275-283.  | 0.6 | 101       |
| 38 | Nonviral Vectors for In Vivo Gene Delivery: Physicochemical and Pharmacokinetic Considerations. Critical Reviews in Therapeutic Drug Carrier Systems, 1997, 14, 40.  | 1.2 | 101       |
| 39 | Enhancement of immune responses by DNA vaccination through targeted gene delivery using mannosylated cationic liposome formulations following intravenous administration in mice. Biochemical and Biophysical Research Communications, 2004, 317, 992-999. | 1.0 | 99        |
| 40 | Photothermic regulation of gene expression triggered by laser-induced carbon nanohorns. Proceedings of the National Academy of Sciences of the United States of America, 2012, 109, 7523-7528.   | 3.3 | 96        |
| 41 | Evaluation of Proinflammatory Cytokine Production Induced by Linear and Branched Polyethylenimine/Plasmid DNA Complexes in Mice. Journal of Pharmacology and Experimental Therapeutics, 2006, 317, 1382-1390.  | 1.3 | 95        |
| 42 | Targeted Delivery Systems of Small Interfering RNA by Systemic Administration. Drug Metabolism and Pharmacokinetics, 2007, 22, 142-151.  | 1.1 | 94        |
| 43 | Factors Affecting Drug and Gene Delivery: Effects of Interaction with Blood Components. Critical Reviews in Therapeutic Drug Carrier Systems, 2002, 19, 191-234.   | 1.2 | 93        |
| 44 | Therapeutic effects of superoxide dismutase derivatives modified with mono- or polysaccharides on hepatic injury induced by ischemia/reperfusion. Biochemical and Biophysical Research Communications, 1992, 189, 191-196.                                 | 1.0 | 91        |
| 45 | Physicochemical and disposition characteristics of antisense oligonucleotides complexed with glycosylated poly(L-lysine). Biochemical Pharmacology, 1997, 53, 887-895.   | 2.0 | 91        |
| 46 | The role of dioleoylphosphatidylethanolamine (DOPE) in targeted gene delivery with mannosylated cationic liposomes via intravenous route. Journal of Controlled Release, 2005, 108, 484-495.   | 4.8 | 90        |
| 47 | Lipid Carrier Systems for Targeted Drug and Gene Delivery. Chemical and Pharmaceutical Bulletin, 2005, 53, 871-880.  | 0.6 | 86        |
| 48 | Development of an antigen-presenting cell-targeted DNA vaccine against melanoma by mannosylated liposomes. Biomaterials, 2007, 28, 3255-3262.  | 5.7 | 86        |
| 49 | Development of an ultrasound-responsive and mannose-modified gene carrier for DNA vaccine therapy. Biomaterials, 2010, 31, 7813-7826.  | 5.7 | 85        |
| 50 | piggyBac Transposon-mediated Long-term Gene Expression in Mice. Molecular Therapy, 2010, 18, 707-714.  | 3.7 | 84        |
| 51 | Effect of Galactose Density on Asialoglycoprotein Receptor-Mediated Uptake of Galactosylated Liposomes. Journal of Pharmaceutical Sciences, 2005, 94, 2266-2275.   | 1.6 | 82        |
| 52 | Î³-Polyglutamic acid-coated vectors for effective and safe gene therapy. Journal of Controlled Release, 2010, 142, 404-410.  | 4.8 | 81        |
| 53 | Modeling of Rifampicin-Induced CYP3A4 Activation Dynamics for the Prediction of Clinical Drug-Drug Interactions from In Vitro Data. PLoS ONE, 2013, 8, e70330.   | 1.1 | 78        |
| 54 | Synthesis and pharmacokinetics of a new liver-specific carrier, glycosylated carboxymethyl-dextran, and its application to drug targeting. Pharmaceutical Research, 1993, 10, 1253-1261.   | 1.7 | 77        |

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|----|---|-----|-----------|
| 55 | Effect of mannose density on mannose receptor-mediated cellular uptake of mannosylated O/W emulsions by macrophages. <i>Journal of Controlled Release</i> , 2006, 114, 193-201.   | 4.8 | 77        |
| 56 | Novel histidine-conjugated galactosylated cationic liposomes for efficient hepatocyte-selective gene transfer in human hepatoma HepG2 cells. <i>Journal of Controlled Release</i> , 2007, 118, 262-270.   | 4.8 | 77        |
| 57 | Mechanistic and empirical modeling of skin permeation of drugs. <i>Advanced Drug Delivery Reviews</i> , 2003, 55, 1185-1199.  | 6.6 | 74        |
| 58 | Inhibition of Metastatic Tumor Growth in Mouse Lung by Repeated Administration of Polyethylene Glycol-Conjugated Catalase. <i>Clinical Cancer Research</i> , 2004, 10, 7685-7691.   | 3.2 | 72        |
| 59 | Pharmacokinetics of receptor-mediated hepatic uptake of glycosylated albumin in mice. <i>International Journal of Pharmaceutics</i> , 1992, 85, 75-85.  | 2.6 | 70        |
| 60 | Involvement of Specific Mechanism in Plasmid DNA Uptake by Mouse Peritoneal Macrophages. <i>Biochemical and Biophysical Research Communications</i> , 1998, 245, 729-733.   | 1.0 | 70        |
| 61 | Plasmid DNA activates murine macrophages to induce inflammatory cytokines in a CpG motif-independent manner by complex formation with cationic liposomes. <i>Biochemical and Biophysical Research Communications</i> , 2002, 293, 344-348.                                  | 1.0 | 70        |
| 62 | Hepatic disposition characteristics of electrically charged macromolecules in rat in vivo and in the perfused liver. <i>Pharmaceutical Research</i> , 1991, 08, 437-444.  | 1.7 | 69        |
| 63 | Inhibition of experimental pulmonary metastasis by controlling biodistribution of catalase in mice. <i>International Journal of Cancer</i> , 2002, 99, 474-479.   | 2.3 | 69        |
| 64 | Suppression of Melanoma Growth and Metastasis by DNA Vaccination Using an Ultrasound-Responsive and Mannose-Modified Gene Carrier. <i>Molecular Pharmaceutics</i> , 2011, 8, 543-554.   | 2.3 | 68        |
| 65 | Development of a novel polymeric prodrug of mitomycin C, mitomycin C-dextran conjugate with anionic charge. II. Disposition and pharmacokinetics following intravenous and intramuscular administration. <i>International Journal of Pharmaceutics</i> , 1987, 37, 145-154. | 2.6 | 67        |
| 66 | Enhanced Anti-Inflammation of Inhaled Dexamethasone Palmitate Using Mannosylated Liposomes in an Endotoxin-Induced Lung Inflammation Model. <i>Molecular Pharmacology</i> , 2008, 74, 1183-1192.  | 1.0 | 67        |
| 67 | Pharmacokinetic evaluation of polymeric carriers. <i>Advanced Drug Delivery Reviews</i> , 1996, 21, 135-155.  | 6.6 | 65        |
| 68 | Novel Galactosylated Liposomes for Hepatocyte-Selective Targeting of Lipophilic Drugs. <i>Journal of Pharmaceutical Sciences</i> , 2001, 90, 105-113.   | 1.6 | 65        |
| 69 | Inhibition of metastatic tumor growth by targeted delivery of antioxidant enzymes. <i>Journal of Controlled Release</i> , 2005, 109, 101-107.   | 4.8 | 65        |
| 70 | Cationic charge-dependent hepatic delivery of amidated serum albumin. <i>Journal of Controlled Release</i> , 2005, 102, 583-594.  | 4.8 | 64        |
| 71 | Efficient Gene Transfer into Macrophages and Dendritic Cells by in Vivo Gene Delivery with Mannosylated Lipoplex via the Intraperitoneal Route. <i>Journal of Pharmacology and Experimental Therapeutics</i> , 2006, 318, 828-834.  | 1.3 | 64        |
| 72 | Inhibition of liver metastasis by targeting of immunomodulators using mannosylated liposome carriers. <i>Journal of Controlled Release</i> , 2002, 80, 283-294.   | 4.8 | 63        |

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|----|--|-----|-----------|
| 73 | Enhanced hepatocyte-selective in vivo gene expression by stabilized galactosylated liposome/plasmid DNA complex using sodium chloride for complex formation. <i>Molecular Therapy</i> , 2004, 10, 719-729.   | 3.7 | 63        |
| 74 | A new method for assessment of drug disposition in muscle: Application of statistical moment theory to local perfusion systems. <i>Journal of Pharmacokinetics and Pharmacodynamics</i> , 1985, 13, 609-631.   | 0.6 | 62        |
| 75 | Mannosylated semiconductor quantum dots for the labeling of macrophages. <i>Journal of Controlled Release</i> , 2008, 125, 131-136.  | 4.8 | 62        |
| 76 | Glycosylation-mediated targeting of carriers. <i>Journal of Controlled Release</i> , 2014, 190, 542-555.   | 4.8 | 62        |
| 77 | Regeneration characteristics of mitomycin C-dextran conjugate in relation to its activity.. <i>Chemical and Pharmaceutical Bulletin</i> , 1983, 31, 2055-2063.   | 0.6 | 61        |
| 78 | Fetuin mediates hepatic uptake of negatively charged nanoparticles via scavenger receptor. <i>International Journal of Pharmaceutics</i> , 2007, 329, 192-198.   | 2.6 | 61        |
| 79 | Disposition characteristics of plasmid DNA in the single-pass rat liver perfusion system. <i>Pharmaceutical Research</i> , 1996, 13, 599-603.  | 1.7 | 60        |
| 80 | Disposition characteristics of emulsions and incorporated drugs after systemic or local injection. <i>Advanced Drug Delivery Reviews</i> , 2000, 45, 77-88.  | 6.6 | 60        |
| 81 | Inhibition of experimental hepatic metastasis by targeted delivery of catalase in mice. <i>Clinical and Experimental Metastasis</i> , 2004, 21, 213-221.   | 1.7 | 59        |
| 82 | Enhanced Transfection Efficiency into Macrophages and Dendritic Cells by a Combination Method Using Mannosylated Lipoplexes and Bubble Liposomes with Ultrasound Exposure. <i>Human Gene Therapy</i> , 2010, 21, 65-74.  | 1.4 | 59        |
| 83 | Distribution of Silver Nanoparticles to Breast Milk and Their Biological Effects on Breast-Fed Offspring Mice. <i>ACS Nano</i> , 2016, 10, 8180-8191.  | 7.3 | 59        |
| 84 | Prediction of Caco-2 cell permeability using a combination of MO-calculation and neural network. <i>International Journal of Pharmaceutics</i> , 2002, 237, 95-105.  | 2.6 | 58        |
| 85 | Pharmacokinetic Analysis of in Vivo Disposition of Succinylated Proteins Targeted to Liver Nonparenchymal Cells via Scavenger Receptors: Importance of Molecular Size and Negative Charge Density for in Vivo Recognition by Receptors. <i>Journal of Pharmacology and Experimental Therapeutics</i> , 2002, 301, 467-477. | 1.3 | 57        |
| 86 | Targeting efficiency of galactosylated liposomes to hepatocytes in vivo: effect of lipid composition. <i>Pharmaceutical Research</i> , 2002, 19, 1808-1814.  | 1.7 | 56        |
| 87 | Enhanced DNA vaccine potency by mannosylated lipoplex after intraperitoneal administration. <i>Journal of Gene Medicine</i> , 2006, 8, 824-834.  | 1.4 | 56        |
| 88 | Soluble macromolecular carriers for the delivery of antitumour drugs. <i>Advanced Drug Delivery Reviews</i> , 1989, 3, 247-266.  | 6.6 | 55        |
| 89 | Controlled biodistribution of galactosylated liposomes and incorporated probucol in hepatocyte-selective drug targeting. <i>Journal of Controlled Release</i> , 2000, 69, 369-377.   | 4.8 | 55        |
| 90 | Prediction of Human Skin Permeability Using a Combination of Molecular Orbital Calculations and Artificial Neural Network.. <i>Biological and Pharmaceutical Bulletin</i> , 2002, 25, 361-366.   | 0.6 | 55        |

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|-----|--|-----|-----------|
| 91  | Anionic Amino Acid Dendrimer-Trastuzumab Conjugates for Specific Internalization in HER2-Positive Cancer Cells. <i>Molecular Pharmaceutics</i> , 2010, 7, 1318-1327.   | 2.3 | 55        |
| 92  | Glycosylated Cationic Liposomes for Cell-Selective Gene Delivery. <i>Critical Reviews in Therapeutic Drug Carrier Systems</i> , 2002, 19, 171-190.   | 1.2 | 55        |
| 93  | Targeted and sustained drug delivery using PEGylated galactosylated liposomes. <i>International Journal of Pharmaceutics</i> , 2003, 266, 77-84.   | 2.6 | 54        |
| 94  | Intratracheally instilled mannosylated cationic liposome/NF- $\kappa$ B decoy complexes for effective prevention of LPS-induced lung inflammation. <i>Journal of Controlled Release</i> , 2011, 149, 42-50.  | 4.8 | 54        |
| 95  | Analysis of Skin Penetration Enhancement Based on a Two-Layer Skin Diffusion Model with Polar and Nonpolar Routes in the Stratum Corneum: Dose-Dependent Effect of 1-Geranylazacycloheptan-2-one on Drugs with Different Lipophilicities. <i>Biological and Pharmaceutical Bulletin</i> , 1993, 16, 690-697. | 0.6 | 53        |
| 96  | Development of Targeted Delivery Systems for Nucleic Acid Drugs. <i>Journal of Drug Targeting</i> , 1997, 4, 337-357.  | 2.1 | 53        |
| 97  | Polyamidoamine dendrimer-conjugated quantum dots for efficient labeling of primary cultured mesenchymal stem cells. <i>Biomaterials</i> , 2011, 32, 6676-6682.   | 5.7 | 53        |
| 98  | Development of a biochip with serially connected pneumatic balloons for cell-stretching culture. <i>Sensors and Actuators B: Chemical</i> , 2011, 156, 486-493.  | 4.0 | 53        |
| 99  | Characterization of plasmid DNA binding and uptake by peritoneal macrophages from class A scavenger receptor knockout mice. <i>Pharmaceutical Research</i> , 1999, 16, 503-508.  | 1.7 | 52        |
| 100 | Quantitative structure/property relationship analysis of Caco-2 permeability using a genetic algorithm-based partial least squares method. <i>Journal of Pharmaceutical Sciences</i> , 2002, 91, 2230-2239.  | 1.6 | 52        |
| 101 | PEGylated catalase prevents metastatic tumor growth aggravated by tumor removal. <i>Free Radical Biology and Medicine</i> , 2006, 41, 1449-1458.   | 1.3 | 52        |
| 102 | Pharmacokinetics and <i>In Vivo</i> Gene Transfer of Plasmid DNA Complexed with Mannosylated Poly(L-Lysine) in Mice. <i>Journal of Drug Targeting</i> , 2000, 8, 29-38.  | 2.1 | 51        |
| 103 | Development of Polyethylene Glycol-Conjugated Poly-S-Nitrosated Serum Albumin, a Novel S-Nitrosothiol for Prolonged Delivery of Nitric Oxide in the Blood Circulation <i>In Vivo</i> . <i>Journal of Pharmacology and Experimental Therapeutics</i> , 2005, 314, 1117-1124.                                  | 1.3 | 51        |
| 104 | Development and pharmacokinetics of galactosylated poly-L-glutamic acid as a biodegradable carrier for liver-specific drug delivery. <i>Pharmaceutical Research</i> , 1996, 13, 880-884.   | 1.7 | 50        |
| 105 | Control of pharmacokinetic profiles of drug-macromolecule conjugates. <i>Advanced Drug Delivery Reviews</i> , 1996, 19, 377-399.   | 6.6 | 49        |
| 106 | Therapeutic effect of intravenous delivery of lipoplexes containing the interferon- $\beta$ gene and poly I: poly C in a murine lung metastasis model. <i>Cancer Gene Therapy</i> , 2003, 10, 661-668.   | 2.2 | 49        |
| 107 | Pharmacokinetic characteristics and therapeutic effects of mitomycin C-dextran conjugates after intratumoural injection. <i>Journal of Controlled Release</i> , 1998, 52, 239-252.   | 4.8 | 48        |
| 108 | Induction of apoptosis in A549 human lung cancer cells by all-trans retinoic acid incorporated in DOTAP/cholesterol liposomes. <i>Journal of Controlled Release</i> , 2006, 110, 514-521.  | 4.8 | 48        |



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|-----|--|-----|-----------|
| 109 | Microfluidic devices for construction of contractile skeletal muscle microtissues. <i>Journal of Bioscience and Bioengineering</i> , 2015, 119, 212-216.   | 1.1 | 48        |
| 110 | Tumor growth suppression by the combination of nanobubbles and ultrasound. <i>Cancer Science</i> , 2016, 107, 217-223.   | 1.7 | 48        |
| 111 | Targeted delivery of superoxide dismutase to macrophages via mannose receptor-mediated mechanism. <i>Biochemical Pharmacology</i> , 1994, 47, 853-858.   | 2.0 | 47        |
| 112 | Controlled Biodistribution of Highly Lipophilic Drugs with Various Parenteral Formulations. <i>Journal of Drug Targeting</i> , 1993, 1, 117-124.   | 2.1 | 46        |
| 113 | Control of <i>In Vivo</i> Fate of Albumin Derivatives Utilizing Combined Chemical Modification. <i>Journal of Drug Targeting</i> , 1994, 2, 157-165.   | 2.1 | 45        |
| 114 | Targeted delivery of drugs and proteins to the liver via receptor-mediated endocytosis. <i>Journal of Controlled Release</i> , 1997, 46, 129-137.  | 4.8 | 45        |
| 115 | Design of polymeric prodrugs of prostaglandin E1 having galactose residue for hepatocyte targeting. <i>Journal of Controlled Release</i> , 1999, 62, 253-262.  | 4.8 | 45        |
| 116 | Preparation and properties of the immunoconjugate composed of anti-human colon cancer monoclonal antibody and mitomycin C-dextran conjugate. <i>Bioconjugate Chemistry</i> , 1992, 3, 132-137.                           | 1.8 | 44        |
| 117 | Inhibition of peritoneal dissemination of tumor cells by single dosing of phosphodiester CpG oligonucleotide/cationic liposome complex. <i>Journal of Controlled Release</i> , 2006, 115, 226-233.                       | 4.8 | 44        |
| 118 | Stability and Pharmacokinetic Characteristics of Oligonucleotides Modified at Terminal Linkages in Mice. <i>Antisense Research and Development</i> , 1995, 5, 115-121.   | 3.3 | 43        |
| 119 | Uptake characteristics of mannosylated and fucosylated bovine serum albumin in primary cultured rat sinusoidal endothelial cells and Kupffer cells. <i>International Journal of Pharmaceutics</i> , 2004, 287, 147-154.  | 2.6 | 43        |
| 120 | The potential role of fucosylated cationic liposome/NF $\kappa$ B decoy complexes in the treatment of cytokine-related liver disease. <i>Biomaterials</i> , 2007, 28, 532-539.   | 5.7 | 43        |
| 121 | Optimization of tumor-selective targeting by basic fibroblast growth factor-binding peptide grafted PEGylated liposomes. <i>Journal of Controlled Release</i> , 2007, 119, 262-270.                                      | 4.8 | 43        |
| 122 | Enhanced Gene Transfection in Macrophages Using Mannosylated Cationic Liposome-Polyethylenimine-Plasmid DNA Complexes. <i>Journal of Drug Targeting</i> , 2001, 9, 201-207.  | 2.1 | 42        |
| 123 | QSAR analysis of the inhibition of recombinant CYP 3A4 activity by structurally diverse compounds using a genetic algorithm-combined partial least squares method. <i>Pharmaceutical Research</i> , 2003, 20, 1401-1408. | 1.7 | 42        |
| 124 | Relationship between Drug Release of DE-310, Macromolecular Prodrug of DX-8951f, and Cathepsins Activity in Several Tumors. <i>Biological and Pharmaceutical Bulletin</i> , 2007, 30, 2365-2370.                         | 0.6 | 42        |
| 125 | Development of Nitric Oxide Donors for the Treatment of Cardiovascular Diseases. <i>Cardiovascular and Hematological Agents in Medicinal Chemistry</i> , 2007, 5, 204-208.   | 0.4 | 42        |
| 126 | Development of lysine-histidine dendron modified chitosan for improving transfection efficiency in HEK293 cells. <i>Journal of Controlled Release</i> , 2011, 156, 195-202.  | 4.8 | 42        |



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| 127 | Analysis of drug penetration through the skin by the two-layer skin model. <i>Pharmaceutical Research</i> , 1989, 06, 931-937.   | 1.7 | 41        |
| 128 | Intracellular drug delivery by genetically engineered high-density lipoprotein nanoparticles. <i>Nanomedicine</i> , 2010, 5, 867-879.  | 1.7 | 41        |
| 129 | Self-assemble gene delivery system for molecular targeting using nucleic acid aptamer. <i>Gene</i> , 2012, 491, 205-209.   | 1.0 | 41        |
| 130 | Efficient suppression of murine intracellular adhesion molecule-1 using ultrasound-responsive and mannose-modified lipoplexes inhibits acute hepatic inflammation. <i>Hepatology</i> , 2012, 56, 259-269.                          | 3.6 | 41        |
| 131 | Biodistribution characteristics of all-trans retinoic acid incorporated in liposomes and polymeric micelles following intravenous administration. <i>Journal of Pharmaceutical Sciences</i> , 2005, 94, 2606-2615.                 | 1.6 | 40        |
| 132 | Inhibition of tumour metastasis by targeted delivery of antioxidant enzymes. <i>Expert Opinion on Drug Delivery</i> , 2006, 3, 355-369.  | 2.4 | 40        |
| 133 | Design for cell-specific targeting of proteins utilizing sugar-recognition mechanism: effect of molecular weight of proteins on targeting efficiency. <i>Pharmaceutical Research</i> , 1995, 12, 209-214.                          | 1.7 | 39        |
| 134 | Encapsulation of the synthetic retinoids Am80 and LE540 into polymeric micelles and the retinoids' release control. <i>Journal of Controlled Release</i> , 2009, 136, 187-195.   | 4.8 | 39        |
| 135 | <i>In Vitro</i> Evaluation of Inhibitory Effect of Nuclear Factor-KappaB Activity by Small Interfering RNA on Pro-tumor Characteristics of M2-Like Macrophages. <i>Biological and Pharmaceutical Bulletin</i> , 2014, 37, 137-144. | 0.6 | 39        |
| 136 | Analysis of hepatic disposition of galactosylated cationic liposome/plasmid DNA complexes in perfused rat liver. <i>Pharmaceutical Research</i> , 2003, 20, 1452-1459.   | 1.7 | 38        |
| 137 | Tissue-Specific Characteristics of <i>in Vivo</i> Electric Gene: Transfer by Tissue and Intravenous Injection of Plasmid DNA. <i>Pharmaceutical Research</i> , 2005, 22, 883-891.  | 1.7 | 38        |
| 138 | Liver targeting of catalase by cationization for prevention of acute liver failure in mice. <i>Journal of Controlled Release</i> , 2006, 110, 273-282.   | 4.8 | 38        |
| 139 | Renal press-mediated transfection method for plasmid DNA and siRNA to the kidney. <i>Biochemical and Biophysical Research Communications</i> , 2008, 372, 383-387.   | 1.0 | 38        |
| 140 | Renal Disposition Characteristics of Oligonucleotides Modified at Terminal Linkages in the Perfused Rat Kidney. <i>Antisense Research and Development</i> , 1995, 5, 279-287.  | 3.3 | 37        |
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