# Mansoor M Amiji

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/560384/publications.pdf

Version: 2024-02-01

| 310 | 24,737 | 4658 | 8630 |
|---|---|---|---|
| papers | citations | 85 h-index | 146 g-index |

| 330 | 330 | 330 | 28268 |
|---|---|---|---|
| all docs | docs citations | times ranked | citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | A review of stimuli-responsive nanocarriers for drug and gene delivery. Journal of Controlled Release, 2008, 126, 187-204. | 9.9 | 1,981 |
| 2 | Chitosan-based gastrointestinal delivery systems. Journal of Controlled Release, 2003, 89, 151-165. | 9.9 | 761 |
| 3 | Poly(ethylene glycol)-modified Nanocarriers for Tumor-targeted and Intracellular Delivery. Pharmaceutical Research, 2007, 24, 1405-1414. | 3.5 | 584 |
| 4 | Exosome mediated communication within the tumor microenvironment. Journal of Controlled Release, 2015, 219, 278-294. | 9.9 | 576 |
| 5 | Biodegradable poly(Îµ-caprolactone) nanoparticles for tumor-targeted delivery of tamoxifen. International Journal of Pharmaceutics, 2002, 249, 127-138. | 5.2 | 457 |
| 6 | Coadministration of Paclitaxel and Curcumin in Nanoemulsion Formulations To Overcome Multidrug Resistance in Tumor Cells. Molecular Pharmaceutics, 2009, 6, 928-939. | 4.6 | 416 |
| 7 | Hyaluronic acid targeting of CD44 for cancer therapy: from receptor biology to nanomedicine. Journal of Drug Targeting, 2015, 23, 605-618. | 4.4 | 415 |
| 8 | Multi-functional nanocarriers to overcome tumor drug resistance. Cancer Treatment Reviews, 2008, 34, 592-602. | 7.7 | 381 |
| 9 | Preparation and characterization of freeze-dried chitosan-poly(ethylene oxide) hydrogels for site-specific antibiotic delivery in the stomach. Pharmaceutical Research, 1996, 13, 588-593. | 3.5 | 343 |
| 10 | Prevention of protein adsorption and platelet adhesion on surfaces by PEO/PPO/PEO triblock copolymers. Biomaterials, 1992, 13, 682-692. | 11.4 | 339 |
| 11 | Poly(ethylene oxide)-modified poly(É›-caprolactone) nanoparticles for targeted delivery of tamoxifen in breast cancer. International Journal of Pharmaceutics, 2005, 293, 261-270. | 5.2 | 322 |
| 12 | Multi-functional polymeric nanoparticles for tumour-targeted drug delivery. Expert Opinion on Drug Delivery, 2006, 3, 205-216. | 5.0 | 317 |
| 13 | Surface modification of polymeric biomaterials with poly(ethylene oxide), albumin, and heparin for reduced thrombogenicity. Journal of Biomaterials Science, Polymer Edition, 1993, 4, 217-234. | 3.5 | 315 |
| 14 | Hyaluronic acid based self-assembling nanosystems for CD44 target mediated siRNA delivery to solid tumors. Biomaterials, 2013, 34, 3489-3502. | 11.4 | 314 |
| 15 | Role of integrated cancer nanomedicine in overcoming drug resistance. Advanced Drug Delivery Reviews, 2013, 65, 1784-1802. | 13.7 | 288 |
| 16 | Nanoporous inorganic membranes or coatings for sustained drug delivery in implantable devices. Advanced Drug Delivery Reviews, 2010, 62, 305-315. | 13.7 | 283 |
| 17 | Enzyme immobilization in novel alginateâ€“chitosan core-shell microcapsules. Biomaterials, 2004, 25, 1937-1945. | 11.4 | 275 |
| 18 | Long-circulating poly(ethylene glycol)-modified gelatin nanoparticles for intracellular delivery. Pharmaceutical Research, 2002, 19, 1061-1067. | 3.5 | 250 |

| # | Article | IF | Citations |
|---|---|---|---|
| 19 | Technologies and Standardization in Research on Extracellular Vesicles. Trends in Biotechnology, 2020, 38, 1066-1098. | 9.3 | 250 |
| 20 | pH-Responsive Polymer Microspheres: Rapid Release of Encapsulated Material within the Range of Intracellular pH. Angewandte Chemie - International Edition, 2001, 40, 1707-1710. | 13.8 | 245 |
| 21 | Improved oral bioavailability and brain transport of Saquinavir upon administration in novel nanoemulsion formulations. International Journal of Pharmaceutics, 2008, 347, 93-101. | 5.2 | 242 |
| 22 | Poly(Ethylene Oxide)-Modified Poly(Î²-Amino Ester) Nanoparticles as a pH-Sensitive System for Tumor-Targeted Delivery of Hydrophobic Drugs: Part 2. In Vivo Distribution and Tumor Localization Studies. Pharmaceutical Research, 2005, 22, 2107-2114. | 3.5 | 238 |
| 23 | Modulation of Intracellular Ceramide Using Polymeric Nanoparticles to Overcome Multidrug Resistance in Cancer. Cancer Research, 2007, 67, 4843-4850. | 0.9 | 202 |
| 24 | Nanoparticle-based Endodontic Antimicrobial Photodynamic Therapy. Journal of Endodontics, 2010, 36, 322-328. | 3.1 | 198 |
| 25 | Poly(ethylene oxide)-modified poly(Î²-amino ester) nanoparticles as a pH-sensitive biodegradable system for paclitaxel delivery. Journal of Controlled Release, 2003, 86, 223-234. | 9.9 | 197 |
| 26 | Local Immunomodulation Using an Adhesive Hydrogel Loaded with miRNAâ€Ł aden Nanoparticles Promotes Wound Healing. Small, 2019, 15, e1902232. | 10.0 | 197 |
| 27 | Repolarization of Tumor-Associated Macrophages in a Genetically Engineered Nonsmall Cell Lung Cancer Model by Intraperitoneal Administration of Hyaluronic Acid-Based Nanoparticles Encapsulating MicroRNA-125b. Nano Letters, 2018, 18, 3571-3579. | 9.1 | 196 |
| 28 | Tumor-Targeted Gene Delivery Using Poly(Ethylene Glycol)-Modified Gelatin Nanoparticles: In Vitro and in Vivo Studies. Pharmaceutical Research, 2005, 22, 951-961. | 3.5 | 194 |
| 29 | Nanotechnology solutions for mucosal immunization. Advanced Drug Delivery Reviews, 2010, 62, 394-407. | 13.7 | 194 |
| 30 | Surface functionalization of gold nanoparticles using hetero-bifunctional poly(ethylene glycol) spacer for intracellular tracking and delivery. International Journal of Nanomedicine, 2006, 1, 51-58. | 6.7 | 190 |
| 31 | Preparation and Evaluation of Thiol-Modified Gelatin Nanoparticles for Intracellular DNA Delivery in Response to Glutathione. Bioconjugate Chemistry, 2005, 16, 1423-1432. | 3.6 | 187 |
| 32 | A Review of Nanocarrier-Based CNS Delivery Systems. Current Drug Delivery, 2006, 3, 219-232. | 1.6 | 187 |
| 33 | Macrophage repolarization with targeted alginate nanoparticles containing IL-10 plasmid DNA for the treatment of experimental arthritis. Biomaterials, 2015, 61, 162-177. | 11.4 | 187 |
| 34 | Role of Nanotechnology in Pharmaceutical Product Development. Journal of Pharmaceutical Sciences, 2007, 96, 2547-2565. | 3.3 | 181 |
| 35 | Targeting stents with local delivery of paclitaxel-loaded magnetic nanoparticles using uniform fields. Proceedings of the National Academy of Sciences of the United States of America, 2010, 107, 8346-8351. | 7.1 | 181 |
| 36 | Nanotechnology-based systems for the treatment and prevention of HIV/AIDS. Advanced Drug Delivery Reviews, 2010, 62, 458-477. | 13.7 | 179 |

| # | Article | IF | Citations |
|---|---|---|---|
| 37 | Poly(ethylene oxide)-Modified Poly(Î²-amino ester) Nanoparticles as a pH-Sensitive System for Tumor-Targeted Delivery of Hydrophobic Drugs. 1. In Vitro Evaluations. Molecular Pharmaceutics, 2005, 2, 357-366. | 4.6 | 173 |
| 38 | Nanoemulsions in Translational Researchâ€"Opportunities and Challenges in Targeted Cancer Therapy. AAPS PharmSciTech, 2014, 15, 694-708. | 3.3 | 169 |
| 39 | Multi-functional nanocarriers for targeted delivery of drugs and genes. Journal of Controlled Release, 2008, 130, 121-128. | 9.9 | 165 |
| 40 | Pyrene fluorescence study of chitosan self-association in aqueous solution. Carbohydrate Polymers, 1995, 26, 211-213. | 10.2 | 157 |
| 41 | Oral TNF-Î± gene silencing using a polymeric microsphere-based delivery system for the treatment of inflammatory bowel disease. Journal of Controlled Release, 2011, 150, 77-86. | 9.9 | 157 |
| 42 | Biodistribution and Targeting Potential of Poly(ethylene glycol)-modified Gelatin Nanoparticles in Subcutaneous Murine Tumor Model. Journal of Drug Targeting, 2004, 12, 585-591. | 4.4 | 149 |
| 43 | On the issue of transparency and reproducibility in nanomedicine. Nature Nanotechnology, 2019, 14, 629-635. | 31.5 | 149 |
| 44 | Exosomes as nanocarriers for immunotherapy of cancer and inflammatory diseases. Clinical Immunology, 2015, 160, 46-58. | 3.2 | 148 |
| 45 | Gastrointestinal distribution and in vivo gene transfection studies with nanoparticles-in-microsphere oral system (NiMOS). Journal of Controlled Release, 2007, 119, 339-348. | 9.9 | 147 |
| 46 | Permeability and blood compatibility properties of chitosan-poly(ethylene oxide) blend membranes for haemodialysis. Biomaterials, 1995, 16, 593-599. | 11.4 | 142 |
| 47 | Poly(ethylene oxide)-modified poly(beta-amino ester) nanoparticles as a pH-sensitive system for tumor-targeted delivery of hydrophobic drugs: part 3. Therapeutic efficacy and safety studies in ovarian cancer xenograft model. Cancer Chemotherapy and Pharmacology, 2007, 59, 477-484. | 2.3 | 141 |
| 48 | Doxorubicin loaded Polymeric Nanoparticulate Delivery System to overcome drug resistance in osteosarcoma. BMC Cancer, 2009, 9, 399. | 2.6 | 139 |
| 49 | Intracellular Delivery of Saquinavir in Biodegradable Polymeric Nanoparticles for HIV/AIDS. Pharmaceutical Research, 2006, 23, 2638-2645. | 3.5 | 137 |
| 50 | Pancreatic Cancer Cell Exosome-Mediated Macrophage Reprogramming and the Role of MicroRNAs 155 and 125b2 Transfection using Nanoparticle Delivery Systems. Scientific Reports, 2016, 6, 30110. | 3.3 | 136 |
| 51 | Evaluations of combination MDR-1 gene silencing and paclitaxel administration in biodegradable polymeric nanoparticle formulations to overcome multidrug resistance in cancer cells. Cancer Chemotherapy and Pharmacology, 2009, 63, 711-722. | 2.3 | 132 |
| 52 | Development of EGFR-Targeted Polymer Blend Nanocarriers for Combination Paclitaxel/Lonidamine Delivery To Treat Multi-Drug Resistance in Human Breast and Ovarian Tumor Cells. Molecular Pharmaceutics, 2011, 8, 185-203. | 4.6 | 132 |
| 53 | Mucoadhesive nanomedicines: characterization and modulation of mucoadhesion at the nanoscale. Expert Opinion on Drug Delivery, 2011, 8, 1085-1104. | 5.0 | 131 |
| 54 | Poly(ethylene glycol)â€"modified thiolated gelatin nanoparticles for glutathione-responsive intracellular DNA delivery. Nanomedicine: Nanotechnology, Biology, and Medicine, 2007, 3, 32-42. | 3.3 | 130 |

| # | Article | IF | Citations |
|---|---|---|---|
| 55 | Stomach-specific anti-H. pylori therapy. I: preparation and characterization of tetracyline-loaded chitosan microspheres. International Journal of Pharmaceutics, 2002, 235, 87-94. | 5.2 | 128 |
| 56 | In vivo biodistribution of siRNA and cisplatin administered using CD44-targeted hyaluronic acid nanoparticles. Journal of Controlled Release, 2013, 172, 699-706. | 9.9 | 128 |
| 57 | Inhibition of ABCB1 (MDR1) Expression by an siRNA Nanoparticulate Delivery System to Overcome Drug Resistance in Osteosarcoma. PLoS ONE, 2010, 5, e10764. | 2.5 | 128 |
| 58 | Biodistribution and Pharmacokinetic Analysis of Paclitaxel and Ceramide Administered in Multifunctional Polymer-Blend Nanoparticles in Drug Resistant Breast Cancer Model. Molecular Pharmaceutics, 2008, 5, 516-526. | 4.6 | 127 |
| 59 | Mitochondrial biology, targets, and drug delivery. Journal of Controlled Release, 2015, 207, 40-58. | 9.9 | 125 |
| 60 | Formulation optimization for the nanoparticles-in-microsphere hybrid oral delivery system using factorial design. Journal of Controlled Release, 2006, 110, 422-430. | 9.9 | 121 |
| 61 | Biodistribution and Pharmacokinetic Analysis of Long-Circulating Thiolated Gelatin Nanoparticles Following Systemic Administration in Breast Cancer-Bearing Mice. Journal of Pharmaceutical Sciences, 2007, 96, 397-407. | 3.3 | 121 |
| 62 | Label-Free Raman Spectral Imaging of Intracellular Delivery and Degradation of Polymeric Nanoparticle Systems. ACS Nano, 2009, 3, 3552-3559. | 14.6 | 119 |
| 63 | Long-Circulating Polymeric Nanovectors for Tumor-Selective Gene Delivery. Technology in Cancer Research and Treatment, 2005, 4, 615-625. | 1.9 | 116 |
| 64 | Improved Oral Delivery of Paclitaxel Following Administration in Nanoemulsion Formulations. Journal of Nanoscience and Nanotechnology, 2006, 6, 3215-3221. | 0.9 | 115 |
| 65 | Modulation of Drug Resistance in Ovarian Adenocarcinoma by Enhancing Intracellular Ceramide Using Tamoxifen-Loaded Biodegradable Polymeric Nanoparticles. Clinical Cancer Research, 2008, 14, 3193-3203. | 7.0 | 113 |
| 66 | Combination of siRNA-directed Gene Silencing With Cisplatin Reverses Drug Resistance in Human Non-small Cell Lung Cancer. Molecular Therapy - Nucleic Acids, 2013, 2, e110. | 5.1 | 113 |
| 67 | Challenges and opportunities in CNS delivery of therapeutics for neurodegenerative diseases. Expert Opinion on Drug Delivery, 2009, 6, 211-225. | 5.0 | 112 |
| 68 | Multi-modal strategies for overcoming tumor drug resistance: Hypoxia, the Warburg effect, stem cells, and multifunctional nanotechnology. Journal of Controlled Release, 2011, 155, 237-247. | 9.9 | 112 |
| 69 | Combinatorial-Designed Multifunctional Polymeric Nanosystems for Tumor-Targeted Therapeutic Delivery. Accounts of Chemical Research, 2011, 44, 1009-1017. | 15.6 | 110 |
| 70 | MDR1 siRNA loaded hyaluronic acid-based CD44 targeted nanoparticle systems circumvent paclitaxel resistance in ovarian cancer. Scientific Reports, 2015, 5, 8509. | 3.3 | 109 |
| 71 | Up-regulation of CD44 in the development of metastasis, recurrence and drug resistance of ovarian cancer. Oncotarget, 2015, 6, 9313-9326. | 1.8 | 107 |
| 72 | Curcumin Enhances Oral Bioavailability and Anti-Tumor Therapeutic Efficacy of Paclitaxel upon Administration in Nanoemulsion Formulation. Journal of Pharmaceutical Sciences, 2010, 99, 4630-4641. | 3.3 | 106 |

| # | Article | IF | Citations |
|---|---|---|---|
| 73 | Pharmacokinetics and biodistribution of lonidamine/paclitaxel loaded, EGFR-targeted nanoparticles in an orthotopic animal model of multi-drug resistant breast cancer. Nanomedicine: Nanotechnology, Biology, and Medicine, 2011, 7, 435-444. | 3.3 | 106 |
| 74 | Cytotoxicity and Apoptosis Enhancement in Brain Tumor Cells Upon Coadministration of Paclitaxel and Ceramide in Nanoemulsion Formulations. Journal of Pharmaceutical Sciences, 2008, 97, 2745-2756. | 3.3 | 105 |
| 75 | Paclitaxel and ceramide co-administration in biodegradable polymeric nanoparticulate delivery system to overcome drug resistance in ovarian cancer. International Journal of Cancer, 2007, 121, 1830-1838. | 5.1 | 103 |
| 76 | Role of hypoxia and glycolysis in the development of multi-drug resistance in human tumor cells and the establishment of an orthotopic multi-drug resistant tumor model in nude mice using hypoxic pre-conditioning. Cancer Cell International, 2011, 11, 3. | 4.1 | 103 |
| 77 | Brain delivery of proteins by the intranasal route of administration: A comparison of cationic liposomes versus aqueous solution formulations. Journal of Pharmaceutical Sciences, 2010, 99, 1745-1761. | 3.3 | 100 |
| 78 | Modulation of Macrophage Functional Polarity towards Anti-Inflammatory Phenotype with Plasmid DNA Delivery in CD44 Targeting Hyaluronic Acid Nanoparticles. Scientific Reports, 2015, 5, 16632. | 3.3 | 96 |
| 79 | Polymeric nano- and microparticle technologies for oral gene delivery. Expert Opinion on Drug Delivery, 2007, 4, 197-213. | 5.0 | 94 |
| 80 | The impact of size on particulate vaccine adjuvants. Nanomedicine, 2014, 9, 2671-2681. | 3.3 | 94 |
| 81 | Overcoming cisplatin resistance in non-small cell lung cancer with Mad2 silencing siRNA delivered systemically using EGFR-targeted chitosan nanoparticles. Acta Biomaterialia, 2017, 47, 71-80. | 8.3 | 94 |
| 82 | Synthesis of anionic poly(ethylene glycol) derivative for chitosan surface modification in blood-contacting applications. Carbohydrate Polymers, 1997, 32, 193-199. | 10.2 | 93 |
| 83 | Localized delivery of paclitaxel in solid tumors from biodegradable chitin microparticle formulations. Biomaterials, 2002, 23, 2723-2731. | 11.4 | 93 |
| 84 | Development of Novel Biodegradable Polymeric Nanoparticles-in-Microsphere Formulation for Local Plasmid DNA Delivery in the Gastrointestinal Tract. AAPS PharmSciTech, 2008, 9, 288-294. | 3.3 | 92 |
| 85 | Photodynamic effects of methylene blue-loaded polymeric nanoparticles on dental plaque bacteria. Lasers in Surgery and Medicine, 2011, 43, 600-606. | 2.1 | 92 |
| 86 | Nanoparticulate drug carriers for delivery of HIV/AIDS therapy to viral reservoir sites. Expert Opinion on Drug Delivery, 2006, 3, 613-628. | 5.0 | 88 |
| 87 | The role of surface chemistry in serum protein corona-mediated cellular delivery and gene silencing with lipid nanoparticles. Nanoscale, 2019, 11, 8760-8775. | 5.6 | 84 |
| 88 | Intranasal brain delivery of cationic nanoemulsion-encapsulated TNFÎ± siRNA in prevention of experimental neuroinflammation. Nanomedicine: Nanotechnology, Biology, and Medicine, 2016, 12, 987-1002. | 3.3 | 83 |
| 89 | Evaluation of the Factors Influencing Stomach-specific Delivery of Antibacterial Agents for Helicobacter pylori Infection. Journal of Pharmacy and Pharmacology, 2010, 51, 667-672. | 2.4 | 82 |
| 90 | Therapeutic Efficacy and Safety of Paclitaxel/Lonidamine Loaded EGFR-Targeted Nanoparticles for the Treatment of Multi-Drug Resistant Cancer. PLoS ONE, 2011, 6, e24075. | 2.5 | 82 |

| # | Article | IF | Citations |
|---|---|---|---|
| 91 | Providing Oligonucleotides with Steric Selectivity by Brush-Polymer-Assisted Compaction. Journal of the American Chemical Society, 2015, 137, 12466-12469. | 13.7 | 81 |
| 92 | The role of apolipoprotein- and vitronectin-enriched protein corona on lipid nanoparticles forin vivotargeted delivery and transfection of oligonucleotides in murine tumor models. Nanoscale, 2019, 11, 18806-18824. | 5.6 | 80 |
| 93 | Hydrogel delivery systems for vaginal and oral applications. Advanced Drug Delivery Reviews, 1993, 11, 137-167. | 13.7 | 79 |
| 94 | Mucoadhesive nanosystems for vaginal microbicide development: friend or foe?. Wiley Interdisciplinary Reviews: Nanomedicine and Nanobiotechnology, 2011, 3, 389-399. | 6.1 | 77 |
| 95 | Multi-compartmental oral delivery systems for nucleic acid therapy in the gastrointestinal tract. Advanced Drug Delivery Reviews, 2013, 65, 891-901. | 13.7 | 77 |
| 96 | Polymeric Nanoparticle-Based Photodynamic Therapy for Chronic Periodontitis in Vivo. International Journal of Molecular Sciences, 2016, 17, 769. | 4.1 | 76 |
| 97 | Plasma protein adsorption and biological identity of systemically administered nanoparticles. Nanomedicine, 2017, 12, 2113-2135. | 3.3 | 76 |
| 98 | Cluster of Differentiation 44 Targeted Hyaluronic Acid Based Nanoparticles for MDR1 siRNA Delivery to Overcome Drug Resistance in Ovarian Cancer. Pharmaceutical Research, 2015, 32, 2097-2109. | 3.5 | 75 |
| 99 | Clinical approval of nanotechnology-based SARS-CoV-2 mRNA vaccines: impact on translational nanomedicine. Drug Delivery and Translational Research, 2021, 11, 1309-1315. | 5.8 | 75 |
| 100 | A review of multifunctional nanoemulsion systems to overcome oral and CNS drug delivery barriers. Molecular Membrane Biology, 2010, 27, 260-273. | 2.0 | 74 |
| 101 | Polymeric Nanoparticles Affect the Intracellular Delivery, Antiretroviral Activity and Cytotoxicity of the Microbicide Drug Candidate Dapivirine. Pharmaceutical Research, 2012, 29, 1468-1484. | 3.5 | 74 |
| 102 | In Vitro and Ex Vivo Evaluation of Polymeric Nanoparticles for Vaginal and Rectal Delivery of the Anti-HIV Drug Dapivirine. Molecular Pharmaceutics, 2013, 10, 2793-2807. | 4.6 | 74 |
| 103 | Enhanced anti-angiogenic effects of bevacizumab in glioblastoma treatment upon intranasal administration in polymeric nanoparticles. Journal of Controlled Release, 2019, 309, 37-47. | 9.9 | 74 |
| 104 | Surface modification of chitosan membranes by complexation-interpenetration of anionic polysaccharides for improved blood compatibility in hemodialysis. Journal of Biomaterials Science, Polymer Edition, 1997, 8, 281-298. | 3.5 | 73 |
| 105 | Cellular uptake and concentrations of tamoxifen upon administration in poly(Îµ-caprolactone) nanoparticles. AAPS PharmSci, 2003, 5, 28-34. | 1.3 | 73 |
| 106 | Platelet adhesion and activation on an amphoteric chitosan derivative bearing sulfonate groups. Colloids and Surfaces B: Biointerfaces, 1998, 10, 263-271. | 5.0 | 70 |
| 107 | Cellular Interactions and In Vitro DNA Transfection Studies with Poly(ethylene glycol)â€Modified Gelatin Nanoparticles. Journal of Pharmaceutical Sciences, 2005, 94, 184-198. | 3.3 | 70 |
| 108 | Biodistribution and Pharmacokinetics of EGFR-Targeted Thiolated Gelatin Nanoparticles Following Systemic Administration in Pancreatic Tumor-Bearing Mice. Molecular Pharmaceutics, 2013, 10, 2031-2044. | 4.6 | 70 |

| # | Article | IF | Citations |
|---|---|---|---|
| 109 | Intranasal Delivery and Transfection of mRNA Therapeutics in the Brain Using Cationic Liposomes. Molecular Pharmaceutics, 2020, 17, 1996-2005. | 4.6 | 70 |
| 110 | Epidermal Growth Factor Receptor-Targeted Gelatin-Based Engineered Nanocarriers for DNA Delivery and Transfection in Human Pancreatic Cancer Cells. AAPS Journal, 2008, 10, 565-76. | 4.4 | 69 |
| 111 | Study on the prevention of surface-induced platelet activation by albumin coating. Journal of Biomaterials Science, Polymer Edition, 1992, 3, 375-388. | 3.5 | 68 |
| 112 | Tuftsin-Modified Alginate Nanoparticles as a Noncondensing Macrophage-Targeted DNA Delivery System. Biomacromolecules, 2012, 13, 1074-1085. | 5.4 | 67 |
| 113 | Interactions of Microbicide Nanoparticles with a Simulated Vaginal Fluid. Molecular Pharmaceutics, 2012, 9, 3347-3356. | 4.6 | 65 |
| 114 | Fluorescence-guided optical coherence tomography imaging for colon cancer screening: a preliminary mouse study. Biomedical Optics Express, 2012, 3, 178. | 2.9 | 64 |
| 115 | Biodistribution and Pharmacokinetics of Dapivirine-Loaded Nanoparticles after Vaginal Delivery in Mice. Pharmaceutical Research, 2014, 31, 1834-1845. | 3.5 | 64 |
| 116 | Facial Layer-by-Layer Engineering of Upconversion Nanoparticles for Gene Delivery: Near-Infrared-Initiated Fluorescence Resonance Energy Transfer Tracking and Overcoming Drug Resistance in Ovarian Cancer. ACS Applied Materials & Interfaces, 2017, 9, 7941-7949. | 8.0 | 64 |
| 117 | Intratumoral Administration of Paclitaxel in an In Situ Gelling Poloxamer 407 Formulation. Pharmaceutical Development and Technology, 2002, 7, 195-202. | 2.4 | 62 |
| 118 | Comparative Biodistribution and Pharmacokinetic Analysis of Cyclosporine-A in the Brain upon Intranasal or Intravenous Administration in an Oil-in-Water Nanoemulsion Formulation. Molecular Pharmaceutics, 2015, 12, 1523-1533. | 4.6 | 62 |
| 119 | Dual TNF-Î±/Cyclin D1 Gene Silencing With an Oral Polymeric Microparticle System as a Novel Strategy for the Treatment of Inflammatory Bowel Disease. Clinical and Translational Gastroenterology, 2011, 2, e2. | 2.5 | 61 |
| 120 | Anti-Angiogenic Effects of Betulinic Acid Administered in Nanoemulsion Formulation Using Chorioallantoic Membrane Assay. Journal of Biomedical Nanotechnology, 2011, 7, 317-324. | 1.1 | 60 |
| 121 | Anti-Angiogenic and Anti-Cancer Evaluation of Betulin Nanoemulsion in Chicken Chorioallantoic Membrane and Skin Carcinoma in Balb/c Mice. Journal of Biomedical Nanotechnology, 2013, 9, 577-589. | 1.1 | 59 |
| 122 | Macrophage-targeted delivery systems for nucleic acid therapy of inflammatory diseases. Journal of Controlled Release, 2014, 190, 515-530. | 9.9 | 59 |
| 123 | Redox-responsive targeted gelatin nanoparticles for delivery of combination wt-p53 expressing plasmid DNA and gemcitabine in the treatment of pancreatic cancer. BMC Cancer, 2014, 14, 75. | 2.6 | 56 |
| 124 | Mad2 Checkpoint Gene Silencing Using Epidermal Growth Factor Receptor-Targeted Chitosan Nanoparticles in Non-Small Cell Lung Cancer Model. Molecular Pharmaceutics, 2014, 11, 3515-3527. | 4.6 | 55 |
| 125 | Stomach-specific anti-H. pylori therapy. International Journal of Pharmaceutics, 2004, 272, 99-108. | 5.2 | 54 |
| 126 | Nanocarriers for Systemic and Mucosal Vaccine Delivery. Recent Patents on Drug Delivery and Formulation, 2007, 1, 1-9. | 2.1 | 52 |

| # | Article | IF | Citations |
|---|---|---|---|
| 127 | Combinatorial approach in the design of multifunctional polymeric nano-delivery systems for cancer therapy. Journal of Materials Chemistry B, 2014, 2, 8069-8084. | 5.8 | 52 |
| 128 | Augmentation of Therapeutic Efficacy in Drug-Resistant Tumor Models Using Ceramide Coadministration in Temporal-Controlled Polymer-Blend Nanoparticle Delivery Systems. AAPS Journal, 2010, 12, 171-180. | 4.4 | 51 |
| 129 | EGFR-targeted gelatin nanoparticles for systemic administration of gemcitabine in an orthotopic pancreatic cancer model. Nanomedicine: Nanotechnology, Biology, and Medicine, 2016, 12, 589-600. | 3.3 | 51 |
| 130 | Biodistribution and pharmacokinetics of Mad2 siRNA-loaded EGFR-targeted chitosan nanoparticles in cisplatin sensitive and resistant lung cancer models. Nanomedicine, 2016, 11, 767-781. | 3.3 | 51 |
| 131 | Non-condensing polymeric nanoparticles for targeted gene and siRNA delivery. International Journal of Pharmaceutics, 2012, 427, 21-34. | 5.2 | 49 |
| 132 | Nanotechnology for CNS delivery of bio-therapeutic agents. Drug Delivery and Translational Research, 2013, 3, 336-351. | 5.8 | 49 |
| 133 | Formulation development of a novel targeted theranostic nanoemulsion of docetaxel to overcome multidrug resistance in ovarian cancer. Drug Delivery, 2016, 23, 958-970. | 5.7 | 49 |
| 134 | Preparation and In Vitro Characterization of Multifunctional Nanoemulsions for Simultaneous MR Imaging and Targeted Drug Delivery. Journal of Biomedical Nanotechnology, 2006, 2, 217-224. | 1.1 | 49 |
| 135 | pH-Responsive Polymer Microspheres: Rapid Release of Encapsulated Material within the Range of Intracellular pH Financial support was provided by the NSF (Cooperative Agreement No. ECC9843342 to) Tj ETQq1 1 0.784314 rgBT /Ov<br>Army (Cooperative Agreement DAMD 17-99-2-9-001 to the Center for Innovative Minimally Invasive) Tj ETQq1 1 0.784314 rgBT /Over | 13.8 | 49 |
| 136 | Sustained Drug Release from Nonâ€eroding Nanoporous Templates. Small, 2010, 6, 213-216. | 10.0 | 48 |
| 137 | Combination wt-p53 and MicroRNA-125b Transfection in a Genetically Engineered Lung Cancer Model Using Dual CD44/EGFR-targeting Nanoparticles. Molecular Therapy, 2016, 24, 759-769. | 8.2 | 48 |
| 138 | Stomach-Specific Anti-H. pyloriTherapy. II. Gastric Residence Studies of Tetracycline-Loaded Chitosan Microspheres in Gerbils. Pharmaceutical Development and Technology, 2003, 8, 253-262. | 2.4 | 46 |
| 139 | Nanodelivery Systems for Nucleic Acid Therapeutics in Drug Resistant Tumors. Molecular Pharmaceutics, 2014, 11, 2511-2526. | 4.6 | 44 |
| 140 | Improved anti-tumor efficacy of paclitaxel in combination with MicroRNA-125b-based tumor-associated macrophage repolarization in epithelial ovarian cancer. Cancer Letters, 2019, 461, 1-9. | 7.2 | 44 |
| 141 | Enhanced mucosal and systemic immune response with squalane oil-containing multiple emulsions upon intranasal and oral administration in mice. Journal of Drug Targeting, 2008, 16, 302-310. | 4.4 | 43 |
| 142 | Tumor aerobic glycolysis: new insights into therapeutic strategies with targeted delivery. Expert Opinion on Biological Therapy, 2014, 14, 1145-1159. | 3.1 | 43 |
| 143 | Delivery of enteric neural progenitors with 5-HT4 agonist-loaded nanoparticles and thermosensitive hydrogel enhances cell proliferation and differentiation following transplantation inÂvivo. Biomaterials, 2016, 88, 1-11. | 11.4 | 43 |
| 144 | Recent preclinical and clinical advances in oligonucleotide conjugates. Expert Opinion on Drug Delivery, 2018, 15, 629-640. | 5.0 | 43 |

| # | Article | IF | Citations |
|---|---|---|---|
| 145 | Protein Corona-Enabled Systemic Delivery and Targeting of Nanoparticles. AAPS Journal, 2020, 22, 83. | 4.4 | 43 |
| 146 | Assessing the physicalâ€“chemical properties and stability of dapivirine-loaded polymeric nanoparticles. International Journal of Pharmaceutics, 2013, 456, 307-314. | 5.2 | 42 |
| 147 | Near-infrared light activated delivery platform for cancer therapy. Advances in Colloid and Interface Science, 2015, 226, 123-137. | 14.7 | 42 |
| 148 | Exosome swarms eliminate airway pathogens and provide passive epithelial immunoprotection through nitric oxide. Journal of Allergy and Clinical Immunology, 2019, 143, 1525-1535.e1. | 2.9 | 42 |
| 149 | MicroRNA-223 Induced Repolarization of Peritoneal Macrophages Using CD44 Targeting Hyaluronic Acid Nanoparticles for Anti-Inflammatory Effects. PLoS ONE, 2016, 11, e0152024. | 2.5 | 42 |
| 150 | Nanoemulsion formulation of a novel taxoid DHA-SBT-1214 inhibits prostate cancer stem cell-induced tumor growth. Cancer Letters, 2017, 406, 71-80. | 7.2 | 41 |
| 151 | Delivery strategies to enhance mucosal vaccination. Expert Opinion on Biological Therapy, 2009, 9, 427-440. | 3.1 | 40 |
| 152 | Cosilencing of PKM-2 and MDR-1 Sensitizes Multidrug-Resistant Ovarian Cancer Cells to Paclitaxel in a Murine Model of Ovarian Cancer. Molecular Cancer Therapeutics, 2015, 14, 1521-1531. | 4.1 | 39 |
| 153 | The Development of Self-Emulsifying Oil-in-Water Emulsion Adjuvant and an Evaluation of the Impact of Droplet Size on Performance. Journal of Pharmaceutical Sciences, 2015, 104, 1352-1361. | 3.3 | 39 |
| 154 | Quality-by-Design Concepts to Improve Nanotechnology-Based Drug Development. Pharmaceutical Research, 2019, 36, 153. | 3.5 | 39 |
| 155 | Analysis on the surface adsorption of PEO/PPO/PEO triblock copolymers by radiolabelling and fluorescence techniques. Journal of Applied Polymer Science, 1994, 52, 539-544. | 2.6 | 37 |
| 156 | Synthesis and Evaluation of Tripodal Peptide Analogues for Cellular Delivery of Phosphopeptides. Journal of Medicinal Chemistry, 2007, 50, 3604-3617. | 6.4 | 37 |
| 157 | Nanotechnology solutions for infectious diseases in developing nations. Advanced Drug Delivery Reviews, 2010, 62, 375-377. | 13.7 | 37 |
| 158 | Non-viral eNOS gene delivery and transfection with stents for the treatment of restenosis. BioMedical Engineering OnLine, 2010, 9, 56. | 2.7 | 37 |
| 159 | Phosphatidylinositol 3-kinase Inhibitor (PIK75) Containing Surface Functionalized Nanoemulsion for Enhanced Drug Delivery, Cytotoxicity and Pro-apoptotic Activity in Ovarian Cancer Cells. Pharmaceutical Research, 2012, 29, 2874-2886. | 3.5 | 37 |
| 160 | Lipid-functionalized Dextran Nanosystems to Overcome Multidrug Resistance in Cancer: A Pilot Study. Clinical Orthopaedics and Related Research, 2013, 471, 915-925. | 1.5 | 37 |
| 161 | Translational Nano-Medicines: Targeted Therapeutic Delivery for Cancer and Inflammatory Diseases. AAPS Journal, 2015, 17, 813-827. | 4.4 | 37 |
| 162 | Development of EGFR-Targeted Nanoemulsion for Imaging and Novel Platinum Therapy of Ovarian Cancer. Pharmaceutical Research, 2014, 31, 2490-2502. | 3.5 | 36 |

| # | Article | IF | Citations |
|---|---|---|---|
| 163 | â€˜Clickâ€™ synthesis of dextran macrostructures for combinatorial-designed self-assembled nanoparticles encapsulating diverse anticancer therapeutics. Bioorganic and Medicinal Chemistry, 2011, 19, 6167-6173. | 3.0 | 35 |
| 164 | Nano-Sized Calcium Phosphate Particles for Periodontal Gene Therapy. Journal of Periodontology, 2013, 84, 117-125. | 3.4 | 35 |
| 165 | BCMA peptide-engineered nanoparticles enhance induction and function of antigen-specific CD8+ cytotoxic T lymphocytes against multiple myeloma: clinical applications. Leukemia, 2020, 34, 210-223. | 7.2 | 35 |
| 166 | Surface Modification by Radiation-Induced Grafting of PEO/PPO/PEO Triblock Copolymers. Journal of Colloid and Interface Science, 1993, 155, 251-255. | 9.4 | 34 |
| 167 | Development and validation of a rapid reversed-phase HPLC method for the determination of the non-nucleoside reverse transcriptase inhibitor dapivirine from polymeric nanoparticles. Journal of Pharmaceutical and Biomedical Analysis, 2010, 52, 167-172. | 2.8 | 34 |
| 168 | Minimally Invasive Nasal Depot (MIND) technique for direct BDNF AntagoNAT delivery to the brain. Journal of Controlled Release, 2021, 331, 176-186. | 9.9 | 34 |
| 169 | Role of nanotechnology in HIV/AIDS treatment: potential to overcome the viral reservoir challenge. Discovery Medicine, 2006, 6, 157-62. | 0.5 | 34 |
| 170 | Long-term drug delivery using implantable electrospun woven polymeric nanotextiles. Nanomedicine: Nanotechnology, Biology, and Medicine, 2019, 15, 274-284. | 3.3 | 33 |
| 171 | Application of nanotechnology in medical diagnosis and imaging. Current Opinion in Biotechnology, 2022, 74, 241-246. | 6.6 | 33 |
| 172 | Poly(Î²-amino ester) and Cationic Phospholipid-Based Lipopolyplexes for Gene Delivery and Transfection in Human Aortic Endothelial and Smooth Muscle Cells. Biomacromolecules, 2008, 9, 1179-1187. | 5.4 | 32 |
| 173 | Cancer stem cell-targeted therapeutics and delivery strategies. Expert Opinion on Drug Delivery, 2017, 14, 997-1008. | 5.0 | 32 |
| 174 | Therapeutic targeting strategies using endogenous cells and proteins. Journal of Controlled Release, 2017, 258, 81-94. | 9.9 | 31 |
| 175 | Cosilencing Intestinal Transglutaminase-2 and Interleukin-15 Using Gelatin-Based Nanoparticles in an in Vitro Model of Celiac Disease. Molecular Pharmaceutics, 2017, 14, 3036-3044. | 4.6 | 31 |
| 176 | Use of CRISPR/Cas9 gene-editing tools for developing models in drug discovery. Drug Discovery Today, 2018, 23, 519-533. | 6.4 | 31 |
| 177 | Poly-N-Acetyl Glucosamineâ€“Mediated Red Blood Cell Interactions. Journal of Trauma, 2004, 57, S7-S12. | 2.3 | 30 |
| 178 | Optimization of the Conditions for Plasmid DNA Delivery and Transfection with Self-Assembled Hyaluronic Acid-Based Nanoparticles. Molecular Pharmaceutics, 2019, 16, 128-140. | 4.6 | 30 |
| 179 | Polymeric nanoparticle-based delivery of microRNA-199a-3p inhibits proliferation and growth of osteosarcoma cells. International Journal of Nanomedicine, 2015, 10, 2913. | 6.7 | 29 |
| 180 | Development of PIK-75 nanosuspension formulation with enhanced delivery efficiency and cytotoxicity for targeted anti-cancer therapy. International Journal of Pharmaceutics, 2013, 450, 278-289. | 5.2 | 28 |

| # | Article | IF | Citations |
|---|---|---|---|
| 181 | Redox-sensitive nanoparticles from amphiphilic cholesterol-based block copolymers for enhanced tumor intracellular release of doxorubicin. Nanomedicine: Nanotechnology, Biology, and Medicine, 2015, 11, 2071-2082. | 3.3 | 28 |
| 182 | MicroRNA-34a Encapsulated in Hyaluronic Acid Nanoparticles Induces Epigenetic Changes with Altered Mitochondrial Bioenergetics and Apoptosis in Non-Small-Cell Lung Cancer Cells. Scientific Reports, 2017, 7, 3636. | 3.3 | 28 |
| 183 | Long-acting intraocular Delivery strategies for biological therapy of age-related macular degeneration. Journal of Controlled Release, 2019, 296, 140-149. | 9.9 | 28 |
| 184 | Gelatin-Poly(Ethylene Oxide) Semi-interpenetrating Polymer Network with pH-Sensitive Swelling and Enzyme-Degradable Properties for Oral Drug Delivery. Drug Development and Industrial Pharmacy, 1997, 23, 575-582. | 2.0 | 27 |
| 185 | Enhancement in Anti-proliferative Effects of Paclitaxel in Aortic Smooth Muscle Cells upon Co-administration with Ceramide using Biodegradable Polymeric Nanoparticles. Pharmaceutical Research, 2008, 25, 1936-1947. | 3.5 | 27 |
| 186 | Peritoneal Macrophage-Specific TNF-Î± Gene Silencing in LPS-Induced Acute Inflammation Model Using CD44 Targeting Hyaluronic Acid Nanoparticles. Molecular Pharmaceutics, 2016, 13, 3404-3416. | 4.6 | 27 |
| 187 | Formulation and Physiological Factors Influencing CNS Delivery upon Intranasal Administration. Critical Reviews in Therapeutic Drug Carrier Systems, 2006, 23, 319-347. | 2.2 | 27 |
| 188 | Targeted delivery systems for biological therapies of inflammatory diseases. Expert Opinion on Drug Delivery, 2015, 12, 393-414. | 5.0 | 25 |
| 189 | Enhanced Anti-Tumor Efficacy of Lipid-Modified Platinum Derivatives in Combination with Survivin Silencing siRNA in Resistant Non-Small Cell Lung Cancer. Pharmaceutical Research, 2016, 33, 2943-2953. | 3.5 | 25 |
| 190 | Systemic nano-delivery of low-dose STING agonist targeted to CD103+ dendritic cells for cancer immunotherapy. Journal of Controlled Release, 2022, 345, 721-733. | 9.9 | 25 |
| 191 | A model predicting delivery of saquinavir in nanoparticles to human monocyte/macrophage (Mo/Mac) cells. Biotechnology and Bioengineering, 2008, 101, 1072-1082. | 3.3 | 24 |
| 192 | Multifunctional nanoparticles for targeting cancer and inflammatory diseases. Journal of Drug Targeting, 2013, 21, 888-903. | 4.4 | 24 |
| 193 | Inhibition of hexokinase-2 with targeted liposomal 3-bromopyruvate in an ovarian tumor spheroid model of aerobic glycolysis. International Journal of Nanomedicine, 2015, 10, 4405. | 6.7 | 24 |
| 194 | EGFR Targeted Theranostic Nanoemulsion for Image-Guided Ovarian Cancer Therapy. Pharmaceutical Research, 2015, 32, 2753-63. | 3.5 | 24 |
| 195 | Intraperitoneal chemotherapy for ovarian cancer using sustained-release implantable devices. Expert Opinion on Drug Delivery, 2018, 15, 481-494. | 5.0 | 24 |
| 196 | Multi-Compartmental Nanoparticles-in-Emulsion Formulation for Macrophage-Specific Anti-Inflammatory Gene Delivery. Pharmaceutical Research, 2012, 29, 1637-1649. | 3.5 | 23 |
| 197 | The droplet size of emulsion adjuvants has significant impact on their potency, due to differences in immune cell-recruitment and -activation. Scientific Reports, 2019, 9, 11520. | 3.3 | 23 |
| 198 | Targeted Cancer Therapy; Nanotechnology Approaches for Overcoming Drug Resistance. Current Medicinal Chemistry, 2015, 22, 1335-1347. | 2.4 | 23 |

| # | Article | IF | Citations |
|---|---|---|---|
| 199 | Nanoparticulate carriers for the treatment of coronary restenosis. International Journal of Nanomedicine, 2007, 2, 143-61. | 6.7 | 23 |
| 200 | The antimicrobial activity of the appetite peptide hormone ghrelin. Peptides, 2012, 36, 151-156. | 2.4 | 22 |
| 201 | Therapeutic Efficacy of an Ï‰-3-Fatty Acid-Containing 17-Î² Estradiol Nano-Delivery System against Experimental Atherosclerosis. PLoS ONE, 2016, 11, e0147337. | 2.5 | 22 |
| 202 | Gene Delivery and Transfection in Human Pancreatic Cancer Cells using Epidermal Growth Factor Receptor-targeted Gelatin-Based Engineered Nanovectors. Journal of Visualized Experiments, 2012, , e3612. | 0.3 | 21 |
| 203 | Enhanced anti-tumor efficacy and safety with metronomic intraperitoneal chemotherapy for metastatic ovarian cancer using biodegradable nanotextile implants. Journal of Controlled Release, 2019, 305, 29-40. | 9.9 | 21 |
| 204 | Label-free Raman microspectral analysis for comparison of cellular uptake and distribution between nontargeted and EGFR-targeted biodegradable polymeric nanoparticles. Drug Delivery and Translational Research, 2013, 3, 575-586. | 5.8 | 20 |
| 205 | Nanopillared Chitosan/Gelatin Films: A Biomimetic Approach for Improved Osteogenesis. ACS Biomaterials Science and Engineering, 2019, 5, 4311-4322. | 5.2 | 20 |
| 206 | Critical quality attributes in the development of therapeutic nanomedicines toward clinical translation. Drug Delivery and Translational Research, 2020, 10, 766-790. | 5.8 | 20 |
| 207 | Nanotechnology-based delivery systems in HIV/AIDS therapy. Future HIV Therapy, 2007, 1, 49-59. | 0.4 | 19 |
| 208 | Cystatin SN is a potent upstream initiator of epithelial-derived type 2 inflammation in chronic rhinosinusitis. Journal of Allergy and Clinical Immunology, 2022, 150, 872-881. | 2.9 | 19 |
| 209 | Surface Modification of Polymeric Biomaterials with Poly(ethylene oxide). ACS Symposium Series, 1993, , 135-146. | 0.5 | 18 |
| 210 | Engineering of an Ï‰-3 polyunsaturated fatty acid-containing nanoemulsion system for combination C6-ceramide and 17Î²-estradiol delivery and bioactivity in human vascular endothelial and smooth muscle cells. Nanomedicine: Nanotechnology, Biology, and Medicine, 2013, 9, 885-894. | 3.3 | 18 |
| 211 | Safety assessment of oral photodynamic therapy in rats. Lasers in Medical Science, 2013, 28, 479-486. | 2.1 | 18 |
| 212 | Combinatorial-Designed Epidermal Growth Factor Receptor-Targeted Chitosan Nanoparticles for Encapsulation and Delivery of Lipid-Modified Platinum Derivatives in Wild-Type and Resistant Non-Small-Cell Lung Cancer Cells. Molecular Pharmaceutics, 2015, 12, 4466-4477. | 4.6 | 18 |
| 213 | Role of MicroRNA in Inflammatory Bowel Disease: Clinical Evidence and the Development of Preclinical Animal Models. Cells, 2021, 10, 2204. | 4.1 | 18 |
| 214 | Preliminary evaluation of a nanotechnology-based approach for the more effective diagnosis of colon cancers. Nanomedicine, 2010, 5, 1467-1479. | 3.3 | 17 |
| 215 | Multi-Compartmental Vaccine Delivery System for Enhanced Immune Response to gp100 Peptide Antigen in Melanoma Immunotherapy. Pharmaceutical Research, 2012, 29, 3393-3403. | 3.5 | 17 |
| 216 | A Novel Use of Gentamicin in the ROS-Mediated Sensitization of NCI-H460 Lung Cancer Cells to Various Anticancer Agents. ACS Chemical Biology, 2013, 8, 2771-2777. | 3.4 | 17 |

| # | Article | IF | Citations |
|---|---|---|---|
| 217 | Direct CNS delivery of proteins using thermosensitive liposome-in-gel carrier by heterotopic mucosal engrafting. PLoS ONE, 2018, 13, e0208122. | 2.5 | 17 |
| 218 | Extracellular vesicle-mediated nucleic acid transfer and reprogramming in the tumor microenvironment. Cancer Letters, 2020, 482, 33-43. | 7.2 | 17 |
| 219 | Evaluation of the permeability and blood-compatibility properties of membranes formed by physical interpenetration of chitosan with PEO/PPO/PEO triblock copolymers. Journal of Applied Polymer Science, 2001, 80, 1274-1284. | 2.6 | 16 |
| 220 | Discriminant analysis followed by unsupervised cluster analysis including exosomal cystatins predict presence of chronic rhinosinusitis, phenotype, and disease severity. International Forum of Allergy and Rhinology, 2019, 9, 1069-1076. | 2.8 | 16 |
| 221 | CNS Delivery and Anti-Inflammatory Effects of Intranasally Administered Cyclosporine-A in Cationic Nanoformulations. Journal of Pharmacology and Experimental Therapeutics, 2019, 370, 843-854. | 2.5 | 16 |
| 222 | Strategies for Targeting Cancer Immunotherapy Through Modulation of the Tumor Microenvironment. Regenerative Engineering and Translational Medicine, 2020, 6, 29-49. | 2.9 | 16 |
| 223 | Fluorescence Labeling of Circulating Tumor Cells with a Folate Receptor-Targeted Molecular Probe for Diffuse In Vivo Flow Cytometry. Molecular Imaging and Biology, 2020, 22, 1280-1289. | 2.6 | 16 |
| 224 | Tetracycline-containing Chitosan Microspheres for Local Treatment of Helicobacter pylori Infection. Cellulose, 2006, 14, 3-14. | 4.9 | 15 |
| 225 | Nanoparticles: A Promising Modality in the Treatment of Sarcomas. Pharmaceutical Research, 2011, 28, 260-272. | 3.5 | 15 |
| 226 | Oral nucleic acid therapy using multicompartmental delivery systems. Wiley Interdisciplinary Reviews: Nanomedicine and Nanobiotechnology, 2018, 10, e1478. | 6.1 | 15 |
| 227 | Osmotic core-shell polymeric implant for sustained BDNF AntagoNAT delivery in CNS using minimally invasive nasal depot (MIND) approach. Biomaterials, 2021, 276, 120989. | 11.4 | 15 |
| 228 | In vitro and In vivo studies of local arterial gene delivery and transfection using lipopolyplexesâ€embedded stents. Journal of Biomedical Materials Research - Part A, 2010, 93A, 325-336. | 4.0 | 14 |
| 229 | DHA-SBT-1214 Taxoid Nanoemulsion and Antiâ€“PD-L1 Antibody Combination Therapy Enhances Antitumor Efficacy in a Syngeneic Pancreatic Adenocarcinoma Model. Molecular Cancer Therapeutics, 2019, 18, 1961-1972. | 4.1 | 14 |
| 230 | Delivery of neurotrophic factors in the treatment of age-related chronic neurodegenerative diseases. Expert Opinion on Drug Delivery, 2020, 17, 323-340. | 5.0 | 14 |
| 231 | Hyaluronic acid nanoparticle-encapsulated microRNA-125b repolarizes tumor-associated macrophages in pancreatic cancer. Nanomedicine, 2021, 16, 2291-2303. | 3.3 | 14 |
| 232 | An approach to heterobifunctional poly(ethyleneglycol) bioconjugates. Bioorganic and Medicinal Chemistry Letters, 2005, 15, 5558-5561. | 2.2 | 13 |
| 233 | CNS Delivery and Pharmacokinetic Evaluations of DALDA Analgesic Peptide Analog Administered in Nano-Sized Oil-in-Water Emulsion Formulation. Pharmaceutical Research, 2014, 31, 1315-1324. | 3.5 | 13 |
| 234 | Comparative pharmacokinetics and tissue distribution analysis of systemically administered 17-Î²-estradiol and its metabolites in vivo delivered using a cationic nanoemulsion or a peptide-modified nanoemulsion system for targeting atherosclerosis. Journal of Controlled Release, 2014, 180, 117-124. | 9.9 | 13 |

| # | Article | IF | Citations |
|---|---|---|---|
| 235 | Formulation Design, Optimization and In Vivo Evaluations of an Î±-Tocopherol-Containing Self-Emulsified Adjuvant System using Inactivated Influenza Vaccine. Journal of Controlled Release, 2019, 316, 12-21. | 9.9 | 13 |
| 236 | Role of vitronectin-rich protein corona on tumor-specific siRNA delivery and transfection with lipid nanoparticles. Nanomedicine, 2021, 16, 535-551. | 3.3 | 13 |
| 237 | Biomedical Applications of Gold Nanoparticles Functionalized Using Hetero-Bifunctional Poly(ethylene glycol) Spacer. Materials Research Society Symposia Proceedings, 2004, 845, 199. | 0.1 | 12 |
| 238 | Therapeutic strategies for endothelial dysfunction. Expert Opinion on Biological Therapy, 2011, 11, 1637-1654. | 3.1 | 12 |
| 239 | Synthesis and preliminary in vivo evaluations of polyurethane microstructures for transdermal drug delivery. Chemistry Central Journal, 2012, 6, 87. | 2.6 | 12 |
| 240 | Analgesic Efficacy and Safety of DALDA Peptide Analog Delivery to the Brain Using Oil-in-Water Nanoemulsion Formulation. Pharmaceutical Research, 2014, 31, 2724-2734. | 3.5 | 12 |
| 241 | Development and validation of a HPLC method for the assay of dapivirine in cell-based and tissue permeability experiments. Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences, 2012, 911, 76-83. | 2.3 | 11 |
| 242 | Reversing epigenetic mechanisms of drug resistance in solid tumors using targeted microRNA delivery. Expert Opinion on Drug Delivery, 2016, 13, 987-998. | 5.0 | 11 |
| 243 | Biodistribution and Pharmacokinetic Evaluations of a Novel Taxoid DHA-SBT-1214 in an Oil-in-Water Nanoemulsion Formulation in NaÃ¯ve and Tumor-Bearing Mice. Pharmaceutical Research, 2018, 35, 91. | 3.5 | 11 |
| 244 | Mitochondrial nanomedicine: Subcellular organelle-specific delivery of molecular medicines. Nanomedicine: Nanotechnology, Biology, and Medicine, 2021, 37, 102422. | 3.3 | 11 |
| 245 | Combination microRNA-based cellular reprogramming with paclitaxel enhances therapeutic efficacy in a relapsed and multidrug-resistant model of epithelial ovarian cancer. Molecular Therapy - Oncolytics, 2022, 25, 57-68. | 4.4 | 11 |
| 246 | Mathematical Modeling and Simulation to Investigate the CNS Transport Characteristics of Nanoemulsion-Based Drug Delivery Following Intranasal Administration. Pharmaceutical Research, 2019, 36, 75. | 3.5 | 10 |
| 247 | Mathematical Modeling and Experimental Validation of Nanoemulsion-Based Drug Transport across Cellular Barriers. Pharmaceutical Research, 2017, 34, 1416-1427. | 3.5 | 9 |
| 248 | Traumatic brain injury and the development of parkinsonism: Understanding pathophysiology, animal models, and therapeutic targets. Biomedicine and Pharmacotherapy, 2022, 149, 112812. | 5.6 | 9 |
| 249 | pH-Sensitive Swelling and Drug-Release Properties of Chitosanâ€"Poly(ethylene oxide) Semi-interpenetrating Polymer Network. ACS Symposium Series, 1996, , 209-220. | 0.5 | 8 |
| 250 | Preparation and Loading of Gelatin Nanoparticles. Cold Spring Harbor Protocols, 2008, 2008, pdb.prot4885. | 0.3 | 8 |
| 251 | Multifunctional Magnetic Nanosystems for Tumor Imaging, Targeted Delivery, and Thermal Medicine. Fundamental Biomedical Technologies, 2008, , 381-408. | 0.2 | 7 |
| 252 | Systemically administered gp100 encoding DNA vaccine for melanoma using water-in-oil-in-water multiple emulsion delivery systems. International Journal of Pharmaceutics, 2013, 453, 400-407. | 5.2 | 7 |

| # | Article | IF | Citations |
|---|---|---|---|
| 253 | Challenging the CNS Targeting Potential of Systemically Administered Nanoemulsion Delivery Systems: a Case Study with Rapamycin-Containing Fish Oil Nanoemulsions in Mice. Pharmaceutical Research, 2019, 36, 134. | 3.5 | 7 |
| 254 | Site-specific intestinal DMT1 silencing to mitigate iron absorption using pH-sensitive multi-compartmental nanoparticulate oral delivery system. Nanomedicine: Nanotechnology, Biology, and Medicine, 2019, 22, 102091. | 3.3 | 7 |
| 255 | Co-Silencing of Tissue Transglutaminase-2 and Interleukin-15 Genes in a Celiac Disease Mimetic Mouse Model Using a Nanoparticle-in-Microsphere Oral System. Molecular Pharmaceutics, 2021, 18, 3099-3107. | 4.6 | 7 |
| 256 | Protein Nanospheres for Gene Delivery. Cold Spring Harbor Protocols, 2008, 2008, pdb.top30. | 0.3 | 6 |
| 257 | Macrophage-Targeted Nanoparticle Delivery Systems. Nanostructure Science and Technology, 2012, , 47-83. | 0.1 | 6 |
| 258 | Genetic and epigenetic strategies for advancing ovarian cancer immunotherapy. Expert Opinion on Biological Therapy, 2019, 19, 547-560. | 3.1 | 6 |
| 259 | Endonasal CNS Delivery System for Blood-Brain Barrier Impermeant Therapeutic Oligonucleotides Using Heterotopic Mucosal Engrafting. Frontiers in Pharmacology, 2021, 12, 660841. | 3.5 | 6 |
| 260 | Polymeric Nanoparticles for Delivery in the Gastro-Intestinal Tract. , 2006, , 609-648. | | 6 |
| 261 | Nucleic Acid Delivery for Endothelial Dysfunction in Cardiovascular Diseases. Methodist DeBakey Cardiovascular Journal, 2021, 12, 134. | 1.0 | 5 |
| 262 | Pharmacokinetics and Biodistribution Analysis of Small Interference RNA for Silencing Tissue Transglutaminase-2 in Celiac Disease After Oral Administration in Mice Using Gelatin-Based Multicompartmental Delivery Systems. Bioelectricity, 2020, 2, 167-174. | 1.1 | 5 |
| 263 | Systemic biodistribution and hepatocyte-specific gene editing with CRISPR/Cas9 using hyaluronic acid-based nanoparticles. Nanomedicine: Nanotechnology, Biology, and Medicine, 2022, 40, 102488. | 3.3 | 5 |
| 264 | Nasal delivery of nanotherapeutics for CNS diseases: challenges and opportunities. Nanomedicine, 2021, 16, 2651-2655. | 3.3 | 5 |
| 265 | Raman microscopic imaging of cells and applications monitoring the uptake of drug delivery systems. Proceedings of SPIE, 2008, , . | 0.8 | 4 |
| 266 | Multifunctional Stimuliâ€“Responsive Nanoparticles for Targeted Delivery of Small and Macromolecular Therapeutics. , 2010, , 555-585. | | 4 |
| 267 | Novel RNA interference-based therapies for sepsis. Expert Opinion on Biological Therapy, 2014, 14, 419-435. | 3.1 | 4 |
| 268 | Raman Micro-spectral Imaging of Cells and Intracellular Drug Delivery Using Nanocarrier Systems. Springer Series in Surface Sciences, 2018, , 273-305. | 0.3 | 4 |
| 269 | Improved mouse models and advanced genetic and genomic technologies for the study of neutrophils. Drug Discovery Today, 2020, 25, 1013-1025. | 6.4 | 4 |
| 270 | Preparation of Hyaluronic Acid-Based Nanoparticles for Macrophage-Targeted MicroRNA Delivery and Transfection. Methods in Molecular Biology, 2020, 2118, 99-110. | 0.9 | 4 |

| # | Article | IF | Citations |
|---|---|---|---|
| 271 | Targeted Drug Delivery to Tumor Cells Using Colloidal Carriers. , 2004, , 181-215. | | 4 |
| 272 | Multifunctional Polymeric Nanosystems for Tumor-Targeted Delivery. Fundamental Biomedical Technologies, 2008, , 33-66. | 0.2 | 3 |
| 273 | Cell Transfection and Analysis Using DNA-Loaded Gelatin Nanoparticles. Cold Spring Harbor Protocols, 2008, 2008, pdb.prot4887-pdb.prot4887. | 0.3 | 3 |
| 274 | Nanomedicine for Cancer Therapy. Pharmaceutical Research, 2011, 28, 181-186. | 3.5 | 3 |
| 275 | Exosome-Mediated Communication in the Tumor Microenvironment. , 2018, , 187-218. | | 3 |
| 276 | Long-Circulating Polymeric Nanoparticles for Drug and Gene Delivery to Tumors. , 2006, , 231-242. | | 2 |
| 277 | Intracellular Trafficking Studies Using Gold-Encapsulated Gelatin Nanoparticles. Cold Spring Harbor Protocols, 2008, 2008, pdb.prot4886-pdb.prot4886. | 0.3 | 2 |
| 278 | NON-CONDENSING POLYMERIC GENE DELIVERY SYSTEMS: PRINCIPLES AND APPLICATIONS. Nano LIFE, 2010, 01, 219-237. | 0.9 | 2 |
| 279 | Theranostic Applications of Plasmonic Nanosystems. ACS Symposium Series, 2012, , 383-413. | 0.5 | 2 |
| 280 | Photophysical Characterization of Insulin Denaturation and Aggregation at Hydrophobic Interfaces. Drug Development and Industrial Pharmacy, 1995, 21, 1661-1669. | 2.0 | 1 |
| 281 | Chitosanâ€"Pluronic Physical Interpenetrating Network: Membrane Fabrication and Protein Permeability Studies. ACS Symposium Series, 1999, , 178-186. | 0.5 | 1 |
| 282 | Biodegradable Polymeric Nanoparticles for Tumor-Selective Tamoxifen Delivery: In Vitro and in Vivo Studies. Materials Research Society Symposia Proceedings, 2004, 845, 228. | 0.1 | 1 |
| 283 | Biodistribution and Tumor-Targeting Potential of Poly(Ethylene Glycol)-Modified Gelatin Nanoparticles. Materials Research Society Symposia Proceedings, 2004, 845, 233. | 0.1 | 1 |
| 284 | Role of Eco-Friendly Strategies in the Development of Biomedical Nanotechnology. International Journal of Green Nanotechnology Biomedicine, 2009, 1, 9-23. | 0.4 | 1 |
| 285 | Polymeric Nanosystems for Integrated Image-Guided Cancer Therapy. Frontiers in Nanobiomedical Research, 2014, , 199-233. | 0.1 | 1 |
| 286 | Image-Guided Delivery of Therapeutics to the Brain. Advances in Delivery Science and Technology, 2015, , 151-177. | 0.4 | 1 |
| 287 | Combinatorial Approach in Rationale Design of Polymeric Nanomedicines for Cancer. , 2018, , 371-398. | | 1 |
| 288 | The future of drug delivery in cancer treatment. , 2020, , 569-597. | | 1 |

| # | Article | IF | Citations |
|---|---|---|---|
| 289 | Overview of vaccine adjuvants. , 2022, , 9-25. | | 1 |
| 290 | An Overview of Condensing and Noncondensing Polymeric Systems for Gene Delivery. Cold Spring Harbor Protocols, 2007, 2007, pdb.top9-pdb.top9. | 0.3 | 1 |
| 291 | Abstract 352: Up-regulation of CD44 in the development of metastasis, recurrence and drug resistance of ovarian cancer. , 2015, , . | | 1 |
| 292 | Bcma Heteroclitic Peptide Encapsulated Nanoparticle Enhances Antigen Stimulatory Capacity and Tumor-Specific CD8+ cytotoxic T Lymphocytes Against Multiple Myeloma. Blood, 2018, 132, 3195-3195. | 1.4 | 1 |
| 293 | Polymeric Gene Delivery Systems. , 2003, , . | | 1 |
| 294 | Nanoparticles-in-Microsphere Oral Delivery Systems (NiMOS) for Nucleic Acid Therapy in the Gastrointestinal Tract. , 2014, , 283-312. | | 1 |
| 295 | Abstract LB-13: Hyaluronic acid-based CD44 targeted nanoparticle delivery of combination MDR1 siRNA/paclitaxel to overcome drug resistance in ovarian cancer. Cancer Research, 2014, 74, LB-13-LB-13. | 0.9 | 1 |
| 296 | Abstract LB-102: Layer-by-layer engineering of upconversion nanoparticle based siRNA and miRNA delivery system for cancer therapy. , 2015, , . | | 1 |
| 297 | Molecular Imaging of Subclinical Diabetic Retinopathy. Journal of Ophthalmic and Vision Research, 2017, 12, 129-131. | 1.0 | 1 |
| 298 | Therapeutic nanomedicine: Polymeric nanosystems for drug and gene delivery. European Journal of Nanomedicine, 2008, 1, . | 0.6 | 0 |
| 299 | Raman Micro-spectral Imaging of Cells and Intracellular Drug Delivery Using Nanocarrier Systems. Springer Series in Optical Sciences, 2010, , 137-163. | 0.7 | 0 |
| 300 | Multimodal Nano-Systems for Cancer Diagnosis, Imaging, and Therapy. Advances in Delivery Science and Technology, 2014, , 351-388. | 0.4 | 0 |
| 301 | Biodegradable Polyester-Based Multi-Compartmental Delivery Systems for Oral Nucleic Acid Therapy. , 2016, , 417-443. | | 0 |
| 302 | Multifunctional combinatorial-designed nanoparticles for nucleic acid therapy. Proceedings of SPIE, 2016, , . | 0.8 | 0 |
| 303 | Electrically Charged Biomaterials for Drug Delivery and Tissue Repair. Bioelectricity, 2020, 2, 67-67. | 1.1 | 0 |
| 304 | Polymeric Nanoparticles as Target-Specific Delivery Systems. , 2011, , 81-130. | | 0 |
| 305 | Nanotechnology Applications in Local Arterial Drug Delivery. Advances in Delivery Science and Technology, 2014, , 359-385. | 0.4 | 0 |
| 306 | Nano-Platforms for Tumor-Targeted Delivery of Nucleic Acid Therapies. Advances in Delivery Science and Technology, 2014, , 269-291. | 0.4 | 0 |

| # | Article | IF | Citations |
|---|---|---|---|
| 307 | Abstract 202: Four dimensional quantitative label-free holographic imaging of the cell cycle in tumor cell lines. , 2015, , . | | 0 |
| 308 | Abstract 2341: Characterization of macrophage behavior by 4-dimensional label free, quantitative holographic imaging. , 2015, , . | | 0 |
| 309 | Redox-Responsive Nano-Delivery Systems for Cancer Therapy. Fundamental Biomedical Technologies, 2016, , 255-269. | 0.2 | 0 |
| 310 | In Vivo Labeling and Enumeration of Circulating Tumor Cells with a Folate-Receptor Targeted Molecular Probe. , 2021, , . | | 0 |