

Christine J Allen

List of Publications by Citations

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149
papers

9,296
citations

52
h-index

94
g-index

171
ext. papers

10,265
ext. citations

7.2
avg, IF

6.44
L-index

| # | Paper | IF | Citations |
|-----|---|------|-----------|
| 149 | Nano-engineering block copolymer aggregates for drug delivery. <i>Colloids and Surfaces B: Biointerfaces</i> , 1999 , 16, 3-27 | 6 | 1136 |
| 148 | Gold nanoparticles for applications in cancer radiotherapy: Mechanisms and recent advancements. <i>Advanced Drug Delivery Reviews</i> , 2017 , 109, 84-101 | 18.5 | 454 |
| 147 | Gold nanoparticles as radiation sensitizers in cancer therapy. <i>Radiation Research</i> , 2010 , 173, 719-28 | 3.1 | 436 |
| 146 | Polycaprolactone-b-poly(ethylene oxide) copolymer micelles as a delivery vehicle for dihydrotestosterone. <i>Journal of Controlled Release</i> , 2000 , 63, 275-86 | 11.7 | 311 |
| 145 | Polymer-drug compatibility: a guide to the development of delivery systems for the anticancer agent, ellipticine. <i>Journal of Pharmaceutical Sciences</i> , 2004 , 93, 132-43 | 3.9 | 277 |
| 144 | The effects of particle size and molecular targeting on the intratumoral and subcellular distribution of polymeric nanoparticles. <i>Molecular Pharmaceutics</i> , 2010 , 7, 1195-208 | 5.6 | 275 |
| 143 | Block copolymer micelles for delivery of cancer therapy: transport at the whole body, tissue and cellular levels. <i>Journal of Controlled Release</i> , 2009 , 138, 214-23 | 11.7 | 269 |
| 142 | Polycaprolactone-b-poly(ethylene oxide) block copolymer micelles as a novel drug delivery vehicle for neurotrophic agents FK506 and L-685,818. <i>Bioconjugate Chemistry</i> , 1998 , 9, 564-72 | 6.3 | 245 |
| 141 | Influence of poly(ethylene glycol) grafting density and polymer length on liposomes: relating plasma circulation lifetimes to protein binding. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2007 , 1768, 1367-77 | 3.8 | 241 |
| 140 | Monodisperse chitosan nanoparticles for mucosal drug delivery. <i>Biomacromolecules</i> , 2004 , 5, 2461-8 | 6.9 | 213 |
| 139 | The battle of "nano" paclitaxel. <i>Advanced Drug Delivery Reviews</i> , 2017 , 122, 20-30 | 18.5 | 183 |
| 138 | In vivo fate of unimers and micelles of a poly(ethylene glycol)-block-poly(caprolactone) copolymer in mice following intravenous administration. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2007 , 65, 309-19 | 5.7 | 159 |
| 137 | Poly(ethylene glycol)-b-poly(epsilon-caprolactone) micelles containing chemically conjugated and physically entrapped docetaxel: synthesis, characterization, and the influence of the drug on micelle morphology. <i>Biomacromolecules</i> , 2010 , 11, 1273-80 | 6.9 | 150 |
| 136 | Cellular uptake and transport of gold nanoparticles incorporated in a liposomal carrier. <i>Nanomedicine: Nanotechnology, Biology, and Medicine</i> , 2010 , 6, 161-9 | 6 | 129 |
| 135 | Polymeric drug delivery systems for localized cancer chemotherapy. <i>Drug Delivery</i> , 2010 , 17, 365-75 | 7 | 128 |
| 134 | Intracellular uptake, transport, and processing of nanostructures in cancer cells. <i>Nanomedicine: Nanotechnology, Biology, and Medicine</i> , 2009 , 5, 118-27 | 6 | 128 |
| 133 | The challenges facing block copolymer micelles for cancer therapy: In vivo barriers and clinical translation. <i>Advanced Drug Delivery Reviews</i> , 2015 , 91, 7-22 | 18.5 | 126 |

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| 132 | Influence of serum protein on polycarbonate-based copolymer micelles as a delivery system for a hydrophobic anti-cancer agent. <i>Journal of Controlled Release</i> , 2005 , 103, 481-97 | 11.7 | 117 |
| 131 | To heat or not to heat: Challenges with clinical translation of thermosensitive liposomes. <i>Journal of Controlled Release</i> , 2017 , 249, 63-73 | 11.7 | 108 |
| 130 | In vivo distribution of polymeric nanoparticles at the whole-body, tumor, and cellular levels. <i>Pharmaceutical Research</i> , 2010 , 27, 2343-55 | 4.5 | 106 |
| 129 | Epidermal growth factor-conjugated poly(ethylene glycol)-block- poly(delta-valerolactone) copolymer micelles for targeted delivery of chemotherapeutics. <i>Bioconjugate Chemistry</i> , 2006 , 17, 399-409 | 6.3 | 99 |
| 128 | Computational approaches to the rational design of nanoemulsions, polymeric micelles, and dendrimers for drug delivery. <i>Nanomedicine: Nanotechnology, Biology, and Medicine</i> , 2012 , 8, 20-36 | 6 | 98 |
| 127 | Formulation of drugs in block copolymer micelles: drug loading and release. <i>Current Pharmaceutical Design</i> , 2006 , 12, 4685-701 | 3.3 | 98 |
| 126 | Diblock copolymer micelles deliver hydrophobic protoporphyrin IX for photodynamic therapy. <i>Photochemistry and Photobiology</i> , 2007 , 83, 1505-12 | 3.6 | 97 |
| 125 | Synthesis and physicochemical and dynamic mechanical properties of a water-soluble chitosan derivative as a biomaterial. <i>Biomacromolecules</i> , 2006 , 7, 2845-55 | 6.9 | 95 |
| 124 | Cellular internalization of PCL(20)-b-PEO(44) block copolymer micelles. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 1999 , 1421, 32-8 | 3.8 | 95 |
| 123 | In vivo performance of a liposomal vascular contrast agent for CT and MR-based image guidance applications. <i>Pharmaceutical Research</i> , 2007 , 24, 1193-201 | 4.5 | 94 |
| 122 | Radiosensitization by gold nanoparticles: Will they ever make it to the clinic?. <i>Radiotherapy and Oncology</i> , 2017 , 124, 344-356 | 5.3 | 93 |
| 121 | Methoxy poly(ethylene glycol)-block-poly(delta-valerolactone) copolymer micelles for formulation of hydrophobic drugs. <i>Biomacromolecules</i> , 2005 , 6, 3119-28 | 6.9 | 91 |
| 120 | Multicellular tumor spheroids for evaluation of cytotoxicity and tumor growth inhibitory effects of nanomedicines in vitro: a comparison of docetaxel-loaded block copolymer micelles and Taxotere®. <i>PLoS ONE</i> , 2013 , 8, e62630 | 3.7 | 87 |
| 119 | Predicting the solubility of the anti-cancer agent docetaxel in small molecule excipients using computational methods. <i>Pharmaceutical Research</i> , 2008 , 25, 147-57 | 4.5 | 84 |
| 118 | pH gradient loading of anthracyclines into cholesterol-free liposomes: enhancing drug loading rates through use of ethanol. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2004 , 1661, 47-60 | 3.8 | 76 |
| 117 | Biocompatibility of injectable chitosan-phospholipid implant systems. <i>Biomaterials</i> , 2009 , 30, 3818-24 | 15.6 | 75 |
| 116 | Noninvasive monitoring of the fate of 111In-labeled block copolymer micelles by high resolution and high sensitivity microSPECT/CT imaging. <i>Molecular Pharmaceutics</i> , 2009 , 6, 581-92 | 5.6 | 69 |
| 115 | Lipids and polymers in pharmaceutical technology: Lifelong companions. <i>International Journal of Pharmaceutics</i> , 2019 , 558, 128-142 | 6.5 | 68 |

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| 114 | Multimodal contrast agent for combined computed tomography and magnetic resonance imaging applications. <i>Investigative Radiology</i> , 2006 , 41, 339-48 | 10.1 | 66 |
| 113 | Spatial and temporal mapping of heterogeneity in liposome uptake and microvascular distribution in an orthotopic tumor xenograft model. <i>Journal of Controlled Release</i> , 2015 , 207, 101-11 | 11.7 | 65 |
| 112 | APN/CD13-targeting as a strategy to alter the tumor accumulation of liposomes. <i>Journal of Controlled Release</i> , 2011 , 154, 298-305 | 11.7 | 65 |
| 111 | Morphological control of poly(ethylene glycol)-block-poly(epsilon-caprolactone) copolymer aggregates in aqueous solution. <i>Biomacromolecules</i> , 2008 , 9, 2283-91 | 6.9 | 63 |
| 110 | Chemotherapy dosing schedule influences drug resistance development in ovarian cancer. <i>Molecular Cancer Therapeutics</i> , 2011 , 10, 1289-99 | 6.1 | 60 |
| 109 | Drug release mechanism of paclitaxel from a chitosan-lipid implant system: effect of swelling, degradation and morphology. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2008 , 69, 149-57 | 5.7 | 60 |
| 108 | A mathematical model of the enhanced permeability and retention effect for liposome transport in solid tumors. <i>PLoS ONE</i> , 2013 , 8, e81157 | 3.7 | 58 |
| 107 | Quantitative CT imaging of the spatial and temporal distribution of liposomes in a rabbit tumor model. <i>Molecular Pharmaceutics</i> , 2009 , 6, 571-80 | 5.6 | 57 |
| 106 | Overcoming the Road Blocks: Advancement of Block Copolymer Micelles for Cancer Therapy in the Clinic. <i>Molecular Pharmaceutics</i> , 2017 , 14, 2503-2517 | 5.6 | 56 |
| 105 | Heat-activated thermosensitive liposomal cisplatin (HTLC) results in effective growth delay of cervical carcinoma in mice. <i>Journal of Controlled Release</i> , 2014 , 178, 69-78 | 11.7 | 56 |
| 104 | Novel biocompatible intraperitoneal drug delivery system increases tolerability and therapeutic efficacy of paclitaxel in a human ovarian cancer xenograft model. <i>Cancer Chemotherapy and Pharmacology</i> , 2007 , 60, 907-14 | 3.5 | 56 |
| 103 | Nano-sized assemblies of a PEG-docetaxel conjugate as a formulation strategy for docetaxel. <i>Journal of Pharmaceutical Sciences</i> , 2008 , 97, 3274-90 | 3.9 | 56 |
| 102 | In vitro and in vivo characterization of a novel biocompatible polymer-lipid implant system for the sustained delivery of paclitaxel. <i>Journal of Controlled Release</i> , 2005 , 104, 181-91 | 11.7 | 56 |
| 101 | Apoptotic epidermal growth factor (EGF)-conjugated block copolymer micelles as a nanotechnology platform for targeted combination therapy. <i>Molecular Pharmaceutics</i> , 2007 , 4, 769-81 | 5.6 | 55 |
| 100 | Effects of sustained and intermittent paclitaxel therapy on tumor repopulation in ovarian cancer. <i>Molecular Cancer Therapeutics</i> , 2008 , 7, 630-7 | 6.1 | 54 |
| 99 | The intra-tumoral relationship between microcirculation, interstitial fluid pressure and liposome accumulation. <i>Journal of Controlled Release</i> , 2015 , 211, 163-70 | 11.7 | 52 |
| 98 | Impact of intraperitoneal, sustained delivery of paclitaxel on the expression of P-glycoprotein in ovarian tumors. <i>Journal of Controlled Release</i> , 2007 , 117, 20-7 | 11.7 | 52 |
| 97 | Block copolymer micelles target Auger electron radiotherapy to the nucleus of HER2-positive breast cancer cells. <i>Biomacromolecules</i> , 2012 , 13, 455-65 | 6.9 | 49 |

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| 96 | Hypoxia and cellular localization influence the radiosensitizing effect of gold nanoparticles (AuNPs) in breast cancer cells. <i>Radiation Research</i> , 2014 , 182, 475-88 | 3.1 | 45 |
| 95 | Synthesis and characterization of biodegradable poly(ethylene glycol)-block-poly(5-benzyloxy-trimethylene carbonate) copolymers for drug delivery. <i>Biomacromolecules</i> , 2004 , 5, 1810-7 | 6.9 | 44 |
| 94 | Tumor perfusion imaging predicts the intra-tumoral accumulation of liposomes. <i>Journal of Controlled Release</i> , 2013 , 172, 351-357 | 11.7 | 43 |
| 93 | Differential role of organic anion-transporting polypeptides in estrone-3-sulphate uptake by breast epithelial cells and breast cancer cells. <i>Journal of Pharmacology and Experimental Therapeutics</i> , 2012 , 342, 510-9 | 4.7 | 43 |
| 92 | Liposome formulation of a novel hydrophobic aryl-imidazole compound for anti-cancer therapy. <i>Cancer Chemotherapy and Pharmacology</i> , 2006 , 58, 306-18 | 3.5 | 43 |
| 91 | Synthesis and characterization of six-arm star poly(delta-valerolactone)-block-methoxy poly(ethylene glycol) copolymers. <i>Biomacromolecules</i> , 2005 , 6, 2140-9 | 6.9 | 43 |
| 90 | Radiation and Heat Improve the Delivery and Efficacy of Nanotherapeutics by Modulating Intratumoral Fluid Dynamics. <i>ACS Nano</i> , 2018 , 12, 7583-7600 | 16.7 | 42 |
| 89 | Active targeting of block copolymer micelles with trastuzumab Fab fragments and nuclear localization signal leads to increased tumor uptake and nuclear localization in HER2-overexpressing xenografts. <i>Molecular Pharmaceutics</i> , 2013 , 10, 4229-41 | 5.6 | 41 |
| 88 | Image-based analysis of the size- and time-dependent penetration of polymeric micelles in multicellular tumor spheroids and tumor xenografts. <i>International Journal of Pharmaceutics</i> , 2014 , 464, 168-77 | 6.5 | 41 |
| 87 | A multimodal nano agent for image-guided cancer surgery. <i>Biomaterials</i> , 2015 , 67, 160-8 | 15.6 | 40 |
| 86 | Partitioning of Pyrene between α -Crew Cut Block Copolymer Micelles and H ₂ O/DMF Solvent Mixtures. <i>Macromolecules</i> , 1997 , 30, 7143-7150 | 5.5 | 40 |
| 85 | Combination drug delivery strategy for the treatment of multidrug resistant ovarian cancer. <i>Molecular Pharmaceutics</i> , 2011 , 8, 260-9 | 5.6 | 38 |
| 84 | Nanomedicine and tumor heterogeneity: Concept and complex reality. <i>Nano Today</i> , 2016 , 11, 402-414 | 17.9 | 37 |
| 83 | Hydrogel containing silica shell cross-linked micelles for ocular drug delivery. <i>Journal of Pharmaceutical Sciences</i> , 2013 , 102, 627-37 | 3.9 | 37 |
| 82 | Towards extracellular matrix normalization for improved treatment of solid tumors. <i>Theranostics</i> , 2020 , 10, 1960-1980 | 12.1 | 35 |
| 81 | Significant Radiation Enhancement Effects by Gold Nanoparticles in Combination with Cisplatin in Triple Negative Breast Cancer Cells and Tumor Xenografts. <i>Radiation Research</i> , 2017 , 187, 147-160 | 3.1 | 33 |
| 80 | A novel minimally invasive technique to create a rabbit VX2 lung tumor model for nano-sized image contrast and interventional studies. <i>PLoS ONE</i> , 2013 , 8, e67355 | 3.7 | 33 |
| 79 | Continuous docetaxel chemotherapy improves therapeutic efficacy in murine models of ovarian cancer. <i>Molecular Cancer Therapeutics</i> , 2010 , 9, 1820-30 | 6.1 | 32 |

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|----|--|------|----|
| 78 | Intermolecular interactions and morphology of aqueous polymer/surfactant mixtures containing cationic chitosan and nonionic sorbitan esters. <i>Biomacromolecules</i> , 2008 , 9, 2146-52 | 6.9 | 32 |
| 77 | Hyperthermia can alter tumor physiology and improve chemo- and radio-therapy efficacy. <i>Advanced Drug Delivery Reviews</i> , 2020 , 163-164, 98-124 | 18.5 | 32 |
| 76 | Long-circulating poly(ethylene glycol)-coated emulsions to target solid tumors. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2007 , 67, 329-38 | 5.7 | 31 |
| 75 | Influence of formulation variables on the biodistribution of multifunctional block copolymer micelles. <i>Journal of Controlled Release</i> , 2012 , 157, 366-74 | 11.7 | 29 |
| 74 | Recent advances in drug delivery strategies for treatment of ovarian cancer. <i>Expert Opinion on Drug Delivery</i> , 2012 , 9, 567-83 | 8 | 29 |
| 73 | Chitosan-phospholipid blend for sustained and localized delivery of docetaxel to the peritoneal cavity. <i>International Journal of Pharmaceutics</i> , 2009 , 377, 76-84 | 6.5 | 29 |
| 72 | The impact of sustained and intermittent docetaxel chemotherapy regimens on cognition and neural morphology in healthy mice. <i>Psychopharmacology</i> , 2014 , 231, 841-52 | 4.7 | 27 |
| 71 | Systematic design of unimolecular star copolymer micelles using molecular dynamics simulations. <i>Soft Matter</i> , 2010 , 6, 5491 | 3.6 | 27 |
| 70 | Liposome contrast agent for CT-based detection and localization of neoplastic and inflammatory lesions in rabbits: validation with FDG-PET and histology. <i>Contrast Media and Molecular Imaging</i> , 2010 , 5, 147-54 | 3.2 | 26 |
| 69 | Synthesis of Carboxy-Functionalized Heterobifunctional Poly(ethylene glycol) by a Thiol-Anionic Polymerization Method. <i>Macromolecules</i> , 2006 , 39, 6391-6398 | 5.5 | 26 |
| 68 | An injectable depot system for sustained intraperitoneal chemotherapy of ovarian cancer results in favorable drug distribution at the whole body, peritoneal and intratumoral levels. <i>Journal of Controlled Release</i> , 2012 , 158, 379-85 | 11.7 | 25 |
| 67 | Engineering lipobeads: properties of the hydrogel core and the lipid bilayer shell. <i>Biomacromolecules</i> , 2004 , 5, 2230-7 | 6.9 | 25 |
| 66 | Investigating the influence of block copolymer micelle length on cellular uptake and penetration in a multicellular tumor spheroid model. <i>Nanoscale</i> , 2021 , 13, 280-291 | 7.7 | 25 |
| 65 | Multifunctional block copolymer micelles for the delivery of ¹¹¹ In to EGFR-positive breast cancer cells for targeted Auger electron radiotherapy. <i>Molecular Pharmaceutics</i> , 2010 , 7, 177-86 | 5.6 | 24 |
| 64 | Heat-activated drug delivery increases tumor accumulation of synergistic chemotherapies. <i>Journal of Controlled Release</i> , 2019 , 308, 197-208 | 11.7 | 23 |
| 63 | Rodlike Block Copolymer Micelles of Controlled Length in Water Designed for Biomedical Applications. <i>Macromolecules</i> , 2019 , 52, 5231-5244 | 5.5 | 23 |
| 62 | Hyperthermia-mediated drug delivery induces biological effects at the tumor and molecular levels that improve cisplatin efficacy in triple negative breast cancer. <i>Journal of Controlled Release</i> , 2018 , 282, 35-45 | 11.7 | 22 |
| 61 | Functionalization of Cellulose Nanocrystals with PEG-Metal-Chelating Block Copolymers via Controlled Conjugation in Aqueous Media. <i>ACS Omega</i> , 2016 , 1, 93-107 | 3.9 | 22 |

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|----|--|------|----|
| 60 | Enhancement of docetaxel solubility via conjugation of formulation-compatible moieties. <i>Organic and Biomolecular Chemistry</i> , 2009 , 7, 3437-46 | 3.9 | 22 |
| 59 | Dual Action Enhancement of Gold Nanoparticle Radiosensitization by Pentamidine in Triple Negative Breast Cancer. <i>Radiation Research</i> , 2016 , 185, 549-62 | 3.1 | 21 |
| 58 | Multi-arm PEG/silica hydrogel for sustained ocular drug delivery. <i>Journal of Pharmaceutical Sciences</i> , 2014 , 103, 216-26 | 3.9 | 21 |
| 57 | Effects of Doxorubicin Delivery Systems and Mild Hyperthermia on Tissue Penetration in 3D Cell Culture Models of Ovarian Cancer Residual Disease. <i>Molecular Pharmaceutics</i> , 2015 , 12, 3973-85 | 5.6 | 20 |
| 56 | Codelivery of Paclitaxel and Everolimus at the Optimal Synergistic Ratio: A Promising Solution for the Treatment of Breast Cancer. <i>Molecular Pharmaceutics</i> , 2018 , 15, 3672-3681 | 5.6 | 18 |
| 55 | Dual-Targeted Delivery of Nanoparticles Encapsulating Paclitaxel and Everolimus: a Novel Strategy to Overcome Breast Cancer Receptor Heterogeneity. <i>Pharmaceutical Research</i> , 2020 , 37, 39 | 4.5 | 17 |
| 54 | Expression of membrane transporters and metabolic enzymes involved in estrone-3-sulphate disposition in human breast tumour tissues. <i>Breast Cancer Research and Treatment</i> , 2014 , 145, 647-61 | 4.4 | 17 |
| 53 | Machine learning directed drug formulation development. <i>Advanced Drug Delivery Reviews</i> , 2021 , 175, 113806 | 18.5 | 17 |
| 52 | Why I'm Holding onto Hope for Nano in Oncology. <i>Molecular Pharmaceutics</i> , 2016 , 13, 2603-4 | 5.6 | 16 |
| 51 | Influence of molecular organization and interactions on drug release for an injectable polymer-lipid blend. <i>International Journal of Pharmaceutics</i> , 2008 , 360, 83-90 | 6.5 | 16 |
| 50 | Thermosensitive nanomedicines could revolutionize thermal therapy in oncology. <i>Nano Today</i> , 2017 , 16, 9-13 | 17.9 | 15 |
| 49 | Development of a liposome formulation for improved biodistribution and tumor accumulation of pentamidine for oncology applications. <i>International Journal of Pharmaceutics</i> , 2015 , 488, 154-64 | 6.5 | 14 |
| 48 | Thermosensitive liposomal cisplatin in combination with local hyperthermia results in tumor growth delay and changes in tumor microenvironment in xenograft models of lung carcinoma. <i>Journal of Drug Targeting</i> , 2016 , 24, 865-877 | 5.4 | 13 |
| 47 | Neoplastic cell response to tiopronin-coated gold nanoparticles. <i>Nanomedicine: Nanotechnology, Biology, and Medicine</i> , 2013 , 9, 264-73 | 6 | 13 |
| 46 | Ratio-Dependent Synergism of a Doxorubicin and Olaparib Combination in 2D and Spheroid Models of Ovarian Cancer. <i>Molecular Pharmaceutics</i> , 2018 , 15, 472-485 | 5.6 | 12 |
| 45 | Postalkylation of a Common mPEG-b-PAGE Precursor to Produce Tunable Morphologies of Spheres, Filomicelles, Disks, and Polymersomes. <i>ACS Macro Letters</i> , 2016 , 5, 128-133 | 6.6 | 12 |
| 44 | Estrone-3-sulphate, a potential novel ligand for targeting breast cancers. <i>PLoS ONE</i> , 2013 , 8, e64069 | 3.7 | 12 |
| 43 | Factors Controlling Drug Release in Cross-linked Poly(valerolactone) Based Matrices. <i>Molecular Pharmaceutics</i> , 2018 , 15, 1565-1577 | 5.6 | 11 |

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|----|---|------|----|
| 42 | Hydrogels Containing Core Cross-Linked Block Co-Polymer Micelles. <i>Journal of Biomaterials Science, Polymer Edition</i> , 2012 , 23, 1069-90 | 3.5 | 11 |
| 41 | Novel fractionated ultrashort thermal exposures with MRI-guided focused ultrasound for treating tumors with thermosensitive drugs. <i>Science Advances</i> , 2020 , 6, | 14.3 | 11 |
| 40 | Tumor microenvironment determines response to a heat-activated thermosensitive liposome formulation of cisplatin in cervical carcinoma. <i>Journal of Controlled Release</i> , 2017 , 262, 182-191 | 11.7 | 10 |
| 39 | Docetaxel distribution following intraperitoneal administration in mice. <i>Journal of Pharmacy and Pharmaceutical Sciences</i> , 2011 , 14, 90-9 | 3.4 | 10 |
| 38 | Manganese-porphyrin-enhanced MRI for the detection of cancer cells: A quantitative in vitro investigation with multiple clinical subtypes of breast cancer. <i>PLoS ONE</i> , 2018 , 13, e0196998 | 3.7 | 9 |
| 37 | Synthesis and physicochemical and dynamic mechanical properties of a water-soluble chitosan derivative as a biomaterial. <i>Biomacromolecules</i> , 2006 , 7, 3548 | 6.9 | 9 |
| 36 | Drug governs the morphology of polyalkylated block copolymer aggregates. <i>Nanoscale</i> , 2017 , 9, 2417-2423 | 4.23 | 8 |
| 35 | Preclinical imaging and translational animal models of cancer for accelerated clinical implementation of nanotechnologies and macromolecular agents. <i>Journal of Controlled Release</i> , 2015 , 219, 313-330 | 11.7 | 8 |
| 34 | Integration of imaging into clinical practice to assess the delivery and performance of macromolecular and nanotechnology-based oncology therapies. <i>Journal of Controlled Release</i> , 2015 , 219, 295-312 | 11.7 | 8 |
| 33 | Continuous intraperitoneal carboplatin delivery for the treatment of late-stage ovarian cancer. <i>Molecular Pharmaceutics</i> , 2013 , 10, 3315-22 | 5.6 | 8 |
| 32 | Comparison of Computed Tomography and Optical Image Based Assessment of Liposome Distribution. <i>Molecular Imaging</i> , 2013 , 12, 7290.2012.00028 | 3.7 | 8 |
| 31 | Relationship between composition and properties for stable chitosan films containing lipid microdomains. <i>Journal of Applied Polymer Science</i> , 2007 , 103, 3453-3460 | 2.9 | 8 |
| 30 | Functionalization of Cellulose Nanocrystals with POEGMA Copolymers via Copper-Catalyzed Azide-Alkyne Cycloaddition for Potential Drug-Delivery Applications. <i>Biomacromolecules</i> , 2020 , 21, 2014-2023 | 6.9 | 7 |
| 29 | In Vivo Evaluation of Dual-Targeted Nanoparticles Encapsulating Paclitaxel and Everolimus. <i>Cancers</i> , 2019 , 11, | 6.6 | 6 |
| 28 | Spatial Measurements of Perfusion, Interstitial Fluid Pressure and Liposomes Accumulation in Solid Tumors. <i>Journal of Visualized Experiments</i> , 2016 , | 1.6 | 6 |
| 27 | (125)I-Labelled 2-Iodoestrone-3-sulfate: synthesis, characterization and OATP mediated transport studies in hormone dependent and independent breast cancer cells. <i>Nuclear Medicine and Biology</i> , 2015 , 42, 274-82 | 2.1 | 6 |
| 26 | Nano-sized Advanced Delivery Systems as Parenteral Formulation Strategies for Hydrophobic Anti-cancer Drugs 2009 , 349-383 | | 6 |
| 25 | Turning down the heat: The case for mild hyperthermia and thermosensitive liposomes. <i>Nanomedicine: Nanotechnology, Biology, and Medicine</i> , 2021 , 40, 102484 | 6 | 6 |

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| 24 | BRCA Status Does Not Predict Synergism of a Carboplatin and Olaparib Combination in High-Grade Serous Ovarian Cancer Cell Lines. <i>Molecular Pharmaceutics</i> , 2018 , 15, 2742-2753 | 5.6 | 6 |
| 23 | Determining critical parameters that influence in vitro performance characteristics of a thermosensitive liposome formulation of vinorelbine. <i>Journal of Controlled Release</i> , 2020 , 328, 551-561 | 11.7 | 5 |
| 22 | Custom-designed Laser-based Heating Apparatus for Triggered Release of Cisplatin from Thermosensitive Liposomes with Magnetic Resonance Image Guidance. <i>Journal of Visualized Experiments</i> , 2015 , e53055 | 1.6 | 4 |
| 21 | Polymeric Micelles for Formulation of Anti-Cancer Drugs 2006 , 317-355 | | 4 |
| 20 | Comparison of computed tomography- and optical image-based assessment of liposome distribution. <i>Molecular Imaging</i> , 2013 , 12, 148-60 | 3.7 | 4 |
| 19 | Polymeric Micelles for Formulation of Anti-Cancer Drugs 2006 , 317-355 | | 3 |
| 18 | Development and pharmacokinetic evaluation of a self-nanoemulsifying drug delivery system for the oral delivery of cannabidiol. <i>European Journal of Pharmaceutical Sciences</i> , 2021 , 168, 106058 | 5.1 | 3 |
| 17 | Shifting the Paradigm on Cannabis Safety. <i>Cannabis and Cannabinoid Research</i> , 2020 , | 4.6 | 2 |
| 16 | Longitudinal vascular imaging using a novel nano-encapsulated CT and MR contrast agent 2007 , | | 2 |
| 15 | Survivin silencing improved the cytotoxicity of carboplatin and melphalan in Y79 and primary retinoblastoma cells. <i>International Journal of Pharmaceutics</i> , 2020 , 589, 119824 | 6.5 | 2 |
| 14 | Heat-activated nanomedicine formulation improves the anticancer potential of the HSP90 inhibitor luminespib in vitro. <i>Scientific Reports</i> , 2021 , 11, 11103 | 4.9 | 2 |
| 13 | Cross-linked valerolactone copolymer implants with tailorable biodegradation, loading and in vitro release of paclitaxel. <i>European Journal of Pharmaceutical Sciences</i> , 2021 , 162, 105808 | 5.1 | 2 |
| 12 | Assessment of a liposomal CT/optical contrast agent for image-guided head and neck surgery. <i>Nanomedicine: Nanotechnology, Biology, and Medicine</i> , 2021 , 32, 102327 | 6 | 2 |
| 11 | Long Circulation and Tumor Accumulation 2013 , 543-571 | | 2 |
| 10 | Potential Limitations of Bioluminescent Xenograft Mouse Models: A Systematic Review. <i>Journal of Pharmacy and Pharmaceutical Sciences</i> , 2020 , 23, 177-199 | 3.4 | 1 |
| 9 | Anionic Polymerization of an Amphiphilic Copolymer for Preparation of Block Copolymer Micelles Stabilized by π -Stacking Interactions. <i>Journal of Visualized Experiments</i> , 2016 , | 1.6 | 1 |
| 8 | Thermosensitive depot-forming injectable phosphatidylcholine blends tailored for localized drug delivery. <i>Journal of Pharmaceutical Sciences</i> , 2013 , 102, 3623-31 | 3.9 | 1 |
| 7 | Delivery of smaller gold nanoparticles by liposomal incorporation 2010 , | | 1 |

- 6 Nanoengineered multimodal contrast agent for medical image guidance **2005**, 1
- 5 Poly(ϵ -valerolactone-co-allyl- ϵ -valerolactone) cross-linked microparticles: Formulation, characterization and biocompatibility. *Journal of Pharmaceutical Sciences*, **2021**, 110, 2771-2777 3.9 0
- 4 Nanosystems for Multimodality In vivo Imaging. *Fundamental Biomedical Technologies*, **2008**, 409-430 0
- 3 Nanotechnology for Multimodality Imaging: Applications in Disease Detection and Treatment Guidance. *Frontiers in Nanobiomedical Research*, **2014**, 145-193
- 2 Novel drug-delivery strategies for the treatment of ovarian cancer. *Expert Review of Obstetrics and Gynecology*, **2007**, 2, 587-593
- 1 Pituitary Cancer **2007**, 1-5