

Jean-Christophe Leroux

List of Publications by Year in descending order

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Version: 2024-02-01

267
papers

20,853
citations

9784

73
h-index

11937

134
g-index

284
all docs

284
docs citations

284
times ranked

22538
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|---|------|-----------|
| 1 | Encapsulation of Hydrophilic Compounds in Small Extracellular Vesicles: Loading Capacity and Impact on Vesicle Functions. <i>Advanced Healthcare Materials</i> , 2022, 11, e2100047. | 7.6 | 35 |
| 2 | Rapid Characterization and Quantification of Extracellular Vesicles by Fluorescence-Based Microfluidic Diffusion Sizing. <i>Advanced Healthcare Materials</i> , 2022, 11, e2100021. | 7.6 | 13 |
| 3 | Challenges and Opportunities in 3D Printing of Biodegradable Medical Devices by Emerging Photopolymerization Techniques. <i>Advanced Functional Materials</i> , 2022, 32, . | 14.9 | 77 |
| 4 | The TFAMoplex Conversion of the Mitochondrial Transcription Factor A into a DNA Transfection Agent. <i>Advanced Science</i> , 2022, 9, e2104987. | 11.2 | 6 |
| 5 | 3D printed elastomers with Sylgard-184-like mechanical properties and tuneable degradability. <i>Polymer Chemistry</i> , 2022, 13, 2271-2276. | 3.9 | 10 |
| 6 | Activity-Based Approach for Selective Molecular CO ₂ Sensing. <i>Journal of the American Chemical Society</i> , 2022, 144, 8717-8724. | 13.7 | 13 |
| 7 | Light-Based Printing of Leachable Salt Molds for Facile Shaping of Complex Structures. <i>Advanced Materials</i> , 2022, 34, . | 21.0 | 10 |
| 8 | 3D printing of a controlled fluoride delivery device for the prevention and treatment of tooth decay. <i>Journal of Controlled Release</i> , 2022, 348, 870-880. | 9.9 | 9 |
| 9 | Digital light 3D printing of customized bioresorbable airway stents with elastomeric properties. <i>Science Advances</i> , 2021, 7, . | 10.3 | 69 |
| 10 | Continuous color tuning of single-fluorophore emission via polymerization-mediated through-space charge transfer. <i>Science Advances</i> , 2021, 7, . | 10.3 | 43 |
| 11 | Physical methods for enhancing drug absorption from the gastrointestinal tract. <i>Advanced Drug Delivery Reviews</i> , 2021, 175, 113814. | 13.7 | 24 |
| 12 | Solvent-Free Three-Dimensional Printing of Biodegradable Elastomers Using Liquid Macrophotoinitiators. <i>Macromolecules</i> , 2021, 54, 7830-7839. | 4.8 | 25 |
| 13 | Optimization of an ammonia assay based on transmembrane pH-gradient polymersomes. <i>Scientific Reports</i> , 2021, 11, 22032. | 3.3 | 2 |
| 14 | Preclinical evaluation of liposome-supported peritoneal dialysis for the treatment of hyperammonemic crises. <i>Journal of Controlled Release</i> , 2020, 328, 503-513. | 9.9 | 10 |
| 15 | Nanopharmaceuticals: A focus on their clinical translatability. <i>International Journal of Pharmaceutics</i> , 2020, 578, 119098. | 5.2 | 44 |
| 16 | Investigating the Mechanism of Cyclodextrins in the Treatment of Niemann-Pick Disease Type C Using Crosslinked 2-Hydroxypropyl- β -cyclodextrin. <i>Small</i> , 2020, 16, e2004735. | 10.0 | 16 |
| 17 | Exosomes for Wound Healing: Purification Optimization and Identification of Bioactive Components. <i>Advanced Science</i> , 2020, 7, 2002596. | 11.2 | 52 |
| 18 | DNA unchained: two assays to discover and study inhibitors of the DNA clustering function of barrier-to-autointegration factor. <i>Scientific Reports</i> , 2020, 10, 12301. | 3.3 | 8 |

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|----|---|------|-----------|
| 19 | Investigational Therapies for Primary Hyperoxaluria. <i>Bioconjugate Chemistry</i> , 2020, 31, 1696-1707. | 3.6 | 16 |
| 20 | Engineered Polymersomes for the Treatment of Fish Odor Syndrome: A First Randomized Double Blind Olfactory Study. <i>Advanced Science</i> , 2020, 7, 1903697. | 11.2 | 9 |
| 21 | Microfluidic Shrinking Droplet Concentrator for Analyte Detection and Phase Separation of Protein Solutions. <i>Analytical Chemistry</i> , 2020, 92, 5803-5812. | 6.5 | 38 |
| 22 | Inhibitors of Calcium Oxalate Crystallization for the Treatment of Oxalate Nephropathies. <i>Advanced Science</i> , 2020, 7, 1903337. | 11.2 | 27 |
| 23 | Treatments of trimethylaminuria: where we are and where we might be heading. <i>Drug Discovery Today</i> , 2020, 25, 1710-1717. | 6.4 | 24 |
| 24 | A microparticulate based formulation to protect therapeutic enzymes from proteolytic digestion: phenylalanine ammonia lyase as case study. <i>Scientific Reports</i> , 2020, 10, 3651. | 3.3 | 11 |
| 25 | Ammonia uptake by transmembrane pH gradient poly(isoprene)-block-poly(ethylene glycol) polymersomes. <i>Soft Matter</i> , 2020, 16, 2725-2735. | 2.7 | 2 |
| 26 | Twenty-five years of polymersomes: lost in translation?. <i>Materials Horizons</i> , 2020, 7, 1297-1309. | 12.2 | 92 |
| 27 | Inhibition of vascular calcification by inositol phosphates derivatized with ethylene glycol oligomers. <i>Nature Communications</i> , 2020, 11, 721. | 12.8 | 38 |
| 28 | Development of a Kidney Calcification Inhibitor Employing Image-Based Profiling: A Proof-of-Concept Study. <i>ACS Pharmacology and Translational Science</i> , 2020, 3, 1339-1351. | 4.9 | 0 |
| 29 | Development of a Kidney Calcification Inhibitor Employing Image-Based Profiling: A Proof-of-Concept Study. <i>ACS Pharmacology and Translational Science</i> , 2020, 3, 1339-1351. | 4.9 | 0 |
| 30 | Opposing roles of endothelial and leukocyte-expressed IL-7R α in the regulation of psoriasis-like skin inflammation. <i>Scientific Reports</i> , 2019, 9, 11714. | 3.3 | 9 |
| 31 | Ultra-sub-stoichiometric α -Dynamic Bioconjugation Reduces Viscosity by Disrupting Immunoglobulin Oligomerization. <i>Biomacromolecules</i> , 2019, 20, 3557-3565. | 5.4 | 2 |
| 32 | Delivery of Rapamycin Using In Situ Forming Implants Promotes Immunoregulation and Vascularized Composite Allograft Survival. <i>Scientific Reports</i> , 2019, 9, 9269. | 3.3 | 15 |
| 33 | An Investigation of PS- <i>b</i> -PEO Polymersomes for the Oral Treatment and Diagnosis of Hyperammonemia. <i>Small</i> , 2019, 15, e1902347. | 10.0 | 22 |
| 34 | The Illusion and Disillusion of Peer Review. <i>ACS Nano</i> , 2019, 13, 9696-9697. | 14.6 | 2 |
| 35 | Dual delivery of nucleic acids and PEGylated-bisphosphonates via calcium phosphate nanoparticles. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2019, 142, 142-152. | 4.3 | 20 |
| 36 | Closed-loop cavitation control for focused ultrasound-mediated blood-brain barrier opening by long-circulating microbubbles. <i>Physics in Medicine and Biology</i> , 2019, 64, 045012. | 3.0 | 18 |

| # | ARTICLE | IF | CITATIONS |
|----|---|------|-----------|
| 37 | Lipids and polymers in pharmaceutical technology: Lifelong companions. International Journal of Pharmaceutics, 2019, 558, 128-142. | 5.2 | 101 |
| 38 | Small-Molecule Allosteric Triggers of Clostridium difficile Toxin B Auto-proteolysis as a Therapeutic Strategy. Cell Chemical Biology, 2019, 26, 17-26.e13. | 5.2 | 11 |
| 39 | Chemotherapy sensitization of glioblastoma by focused ultrasound-mediated delivery of therapeutic liposomes. Journal of Controlled Release, 2019, 295, 130-139. | 9.9 | 72 |
| 40 | Poly(ethylene glycol)-alendronate coated nanoparticles for magnetic resonance imaging of lymph nodes. Journal of Drug Targeting, 2019, 27, 659-669. | 4.4 | 7 |
| 41 | Is 3D Printing of Pharmaceuticals a Disruptor or Enabler?. Advanced Materials, 2019, 31, e1805680. | 21.0 | 42 |
| 42 | Investigational Pharmacological Treatments for Vascular Calcification. Advanced Therapeutics, 2019, 2, 1800094. | 3.2 | 28 |
| 43 | Minimally invasive method for the point-of-care quantification of lymphatic vessel function. JCI Insight, 2019, 4, . | 5.0 | 19 |
| 44 | Peritoneal dialysis beyond kidney failure?. Journal of Controlled Release, 2018, 282, 3-12. | 9.9 | 5 |
| 45 | Pharmacokinetics of lipid-drug conjugates loaded into liposomes. European Journal of Pharmaceutics and Biopharmaceutics, 2018, 128, 188-199. | 4.3 | 41 |
| 46 | Near-UV activated, photostable nanophosphors for in vitro dosimetry and dynamic bioimaging. AICHE Journal, 2018, 64, 2947-2957. | 3.6 | 12 |
| 47 | Structural properties and gene-silencing activity of chemically modified DNA-RNA hybrids with parallel orientation. Nucleic Acids Research, 2018, 46, 1614-1623. | 14.5 | 3 |
| 48 | Liposome-supported peritoneal dialysis in the treatment of severe hyperammonemia: An investigation on potential interactions. Journal of Controlled Release, 2018, 278, 57-65. | 9.9 | 16 |
| 49 | The novelty bubble. Journal of Controlled Release, 2018, 278, 140-141. | 9.9 | 13 |
| 50 | Preparation of PEGylated liposomes incorporating lipophilic lomeguatrib derivatives for the sensitization of chemo-resistant gliomas. International Journal of Pharmaceutics, 2018, 536, 388-396. | 5.2 | 12 |
| 51 | SuO015VS-01 - A PROMISING INTRAPERITONEAL TREATMENT TO MANAGE HEPATIC ENCEPHALOPATHY AND RENAL FAILURE IN CIRRHOTIC PATIENTS. Nephrology Dialysis Transplantation, 2018, 33, i622-i622. | 0.7 | 1 |
| 52 | 3D printing of a wearable personalized oral delivery device: A first-in-human study. Science Advances, 2018, 4, eaat2544. | 10.3 | 149 |
| 53 | Intracellular delivery of colloids: Past and future contributions from microinjection. Advanced Drug Delivery Reviews, 2018, 132, 3-15. | 13.7 | 29 |
| 54 | Drug Delivery Research for the Future: Expanding the Nano Horizons and Beyond. Journal of Controlled Release, 2017, 246, 183-184. | 9.9 | 75 |

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|----|--|------|-----------|
| 55 | The effect of settling on cytotoxicity evaluation of SiO ₂ nanoparticles. Journal of Aerosol Science, 2017, 108, 56-66. | 3.8 | 18 |
| 56 | Peptides for tumor-specific drug targeting: state of the art and beyond. Journal of Materials Chemistry B, 2017, 5, 4348-4364. | 5.8 | 39 |
| 57 | Development of a Modular Ratiometric Fluorescent Probe for the Detection of Extracellular Superoxide. Chemistry - A European Journal, 2017, 23, 4765-4769. | 3.3 | 10 |
| 58 | Prolonged circulation and increased tumor accumulation of liposomal vincristine in a mouse model of rhabdomyosarcoma. Nanomedicine, 2017, 12, 1135-1151. | 3.3 | 13 |
| 59 | Ratiometric Fluorescent Probes for the Detection of Reactive Oxygen Species. Chemistry - A European Journal, 2017, 23, 13549-13573. | 3.3 | 104 |
| 60 | Drugs Interactions and Metabolomic Profile During Liposome-Supported Peritoneal Dialysis (LSPD) in the Treatment of Severe Hyperammonemia. Journal of Clinical and Experimental Hepatology, 2017, 7, S15. | 0.9 | 0 |
| 61 | Characterization of Calcium Phosphate Nanoparticles Based on a PEGylated Chelator for Gene Delivery. ACS Applied Materials & Interfaces, 2017, 9, 10435-10445. | 8.0 | 43 |
| 62 | Well-Defined Multivalent Ligands for Hepatocytes Targeting via Asialoglycoprotein Receptor. Bioconjugate Chemistry, 2017, 28, 283-295. | 3.6 | 77 |
| 63 | Editorial: Drug Delivery: Too Much Complexity, Not Enough Reproducibility?. Angewandte Chemie - International Edition, 2017, 56, 15170-15171. | 13.8 | 88 |
| 64 | Editorial: Drug Delivery: zu kompliziert und nicht reproduzierbar genug?. Angewandte Chemie, 2017, 129, 15368-15369. | 2.0 | 7 |
| 65 | Frontispiece: Ratiometric Fluorescent Probes for the Detection of Reactive Oxygen Species. Chemistry - A European Journal, 2017, 23, . | 3.3 | 0 |
| 66 | Liposome-supported enzymatic peritoneal dialysis. Biomaterials, 2017, 145, 128-137. | 11.4 | 18 |
| 67 | Gastroresistant oral peptide for fluorescence imaging of colonic inflammation. Journal of Controlled Release, 2017, 262, 118-126. | 9.9 | 5 |
| 68 | Comment on "A Liposomal System Capable of Generating CO ₂ Bubbles to Induce Transient Cavitation, Lysosomal Rupturing and Cell Necrosis". Angewandte Chemie - International Edition, 2017, 56, 11686-11689. | 13.8 | 3 |
| 69 | Comment on "A Liposomal System Capable of Generating CO ₂ Bubbles to Induce Transient Cavitation, Lysosomal Rupturing and Cell Necrosis". Angewandte Chemie, 2017, 129, 11846-11849. | 2.0 | 0 |
| 70 | Microinjection for the <i>ex Vivo</i> Modification of Cells with Artificial Organelles. ACS Nano, 2017, 11, 7758-7769. | 14.6 | 15 |
| 71 | Enzyme-Mimetic Antioxidant Luminescent Nanoparticles for Highly Sensitive Hydrogen Peroxide Biosensing. ACS Nano, 2017, 11, 12210-12218. | 14.6 | 96 |
| 72 | In Vitro and In Vivo Evaluation of PEGylated Layer-by-Layer Polyelectrolyte-Coated Paclitaxel Nanocrystals. Small, 2017, 13, 1602066. | 10.0 | 34 |

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|----|---|------|-----------|
| 73 | Layer-by-Layer Coating of Solid Drug Cores: A Versatile Method to Improve Stability, Control Release and Tune Surface Properties. <i>Macromolecular Bioscience</i> , 2017, 17, 1600228. | 4.1 | 15 |
| 74 | Targeting Nanocarriers with Anisamide: Fact or Artifact?. <i>Advanced Materials</i> , 2017, 29, 1603451. | 21.0 | 31 |
| 75 | Serum-Stable, Long-Circulating, pH-Sensitive PEGylated Liposomes. <i>Methods in Molecular Biology</i> , 2017, 1522, 193-207. | 0.9 | 5 |
| 76 | Quantitative measurement of lymphatic function in mice by noninvasive near-infrared imaging of a peripheral vein. <i>JCI Insight</i> , 2017, 2, e90861. | 5.0 | 28 |
| 77 | Efficient protein targeting to the inner nuclear membrane requires Atlastin-dependent maintenance of ER topology. <i>ELife</i> , 2017, 6, . | 6.0 | 36 |
| 78 | Presumed LRP1-targeting transport peptide delivers β -secretase inhibitor to neurons in vitro with limited efficiency. <i>Scientific Reports</i> , 2016, 6, 34297. | 3.3 | 9 |
| 79 | In vivo visualization and quantification of collecting lymphatic vessel contractility using near-infrared imaging. <i>Scientific Reports</i> , 2016, 6, 22930. | 3.3 | 33 |
| 80 | Regulation of lymphangiogenesis in the diaphragm by macrophages and VEGFR-3 signaling. <i>Angiogenesis</i> , 2016, 19, 513-524. | 7.2 | 29 |
| 81 | Quantitative analysis of the deposited nanoparticle dose on cell cultures by optical absorption spectroscopy. <i>Nanomedicine</i> , 2016, 11, 2483-2496. | 3.3 | 26 |
| 82 | Carrier-free Gene Silencing by Amphiphilic Nucleic Acid Conjugates in Differentiated Intestinal Cells. <i>Molecular Therapy - Nucleic Acids</i> , 2016, 5, e364. | 5.1 | 8 |
| 83 | Liposome-Supported Peritoneal Dialysis for the Treatment of Hyperammonemia-Associated Encephalopathy. <i>Advanced Functional Materials</i> , 2016, 26, 8382-8389. | 14.9 | 24 |
| 84 | Site-Specific Polymer Conjugation Stabilizes Therapeutic Enzymes in the Gastrointestinal Tract. <i>Advanced Materials</i> , 2016, 28, 1455-1460. | 21.0 | 35 |
| 85 | A Chiral Phosphoramidite Reagent for the Synthesis of Inositol Phosphates. <i>Organic Letters</i> , 2016, 18, 3162-3165. | 4.6 | 7 |
| 86 | Microneedles for the Noninvasive Structural and Functional Assessment of Dermal Lymphatic Vessels. <i>Small</i> , 2016, 12, 1053-1061. | 10.0 | 30 |
| 87 | Oral delivery of macromolecular drugs: Where we are after almost 100 years of attempts. <i>Advanced Drug Delivery Reviews</i> , 2016, 101, 108-121. | 13.7 | 244 |
| 88 | Findings questioning the involvement of Sigma-1 receptor in the uptake of anisamide-decorated particles. <i>Journal of Controlled Release</i> , 2016, 224, 229-238. | 9.9 | 24 |
| 89 | Polymer-coated pH-responsive high-density lipoproteins. <i>Journal of Controlled Release</i> , 2016, 228, 132-140. | 9.9 | 10 |
| 90 | Permeation of steryl ferulates through an in vitro intestinal barrier model. <i>Molecular Nutrition and Food Research</i> , 2015, 59, 1182-1189. | 3.3 | 10 |

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|-----|--|------|-----------|
| 91 | Nano-antidotes for drug overdose and poisoning. <i>Science Translational Medicine</i> , 2015, 7, 290ps14. | 12.4 | 37 |
| 92 | New Paradigms for the Chiral Synthesis of Inositol Phosphates. <i>ChemBioChem</i> , 2015, 16, 1030-1032. | 2.6 | 3 |
| 93 | Preparation of PEGylated chelator-stabilized calcium phosphate nanoparticles for liver-targeted delivery of nucleic acid. <i>Journal of Controlled Release</i> , 2015, 213, e116. | 9.9 | 2 |
| 94 | Releasable Conjugation of Polymers to Proteins. <i>Bioconjugate Chemistry</i> , 2015, 26, 1172-1181. | 3.6 | 60 |
| 95 | Twin disulfides as opportunity for improving stability and transfection efficiency of oligoaminoethane polyplexes. <i>Journal of Controlled Release</i> , 2015, 205, 109-119. | 9.9 | 32 |
| 96 | N-methyl pyrrolidone/bone morphogenetic protein-2 double delivery with in situ forming implants. <i>Journal of Controlled Release</i> , 2015, 203, 181-188. | 9.9 | 19 |
| 97 | Investigational new treatments for <i>Clostridium difficile</i> infection. <i>Drug Discovery Today</i> , 2015, 20, 602-608. | 6.4 | 15 |
| 98 | Conformationâ€function relationships for the comb-shaped polymer pOEGMA. <i>Progress in Polymer Science</i> , 2015, 48, 111-121. | 24.7 | 50 |
| 99 | An oral redox-sensitive self-immolating prodrug strategy. <i>Chemical Communications</i> , 2015, 51, 5721-5724. | 4.1 | 31 |
| 100 | Recent advances in the treatment of hyperammonemia. <i>Advanced Drug Delivery Reviews</i> , 2015, 90, 55-68. | 13.7 | 87 |
| 101 | Agingâ€related anatomical and biochemical changes in lymphatic collectors impair lymph transport, fluid homeostasis, and pathogen clearance. <i>Aging Cell</i> , 2015, 14, 582-594. | 6.7 | 106 |
| 102 | Oral prodrug strategy for poorly soluble drugs. <i>Journal of Controlled Release</i> , 2015, 213, e102. | 9.9 | 4 |
| 103 | Decline of lymphatic vessel density and function in murine skin during aging. <i>Angiogenesis</i> , 2015, 18, 489-498. | 7.2 | 63 |
| 104 | Current and forthcoming approaches for systemic detoxification. <i>Advanced Drug Delivery Reviews</i> , 2015, 90, 1-2. | 13.7 | 13 |
| 105 | Improving oral drug bioavailability with polycations?. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2015, 97, 427-437. | 4.3 | 41 |
| 106 | Chronic High-Fat Diet Impairs Collecting Lymphatic Vessel Function in Mice. <i>PLoS ONE</i> , 2014, 9, e94713. | 2.5 | 113 |
| 107 | Liposome-supported peritoneal dialysis for detoxification of drugs and endogenous metabolites. <i>Science Translational Medicine</i> , 2014, 6, 258ra141. | 12.4 | 66 |
| 108 | MR Imaging of Therapeutic Magnetic Microcarriers Guided by Magnetic Resonance Navigation for Targeted Liver Chemoembolization. <i>CardioVascular and Interventional Radiology</i> , 2014, 37, 784-790. | 2.0 | 20 |

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|-----|---|------|-----------|
| 109 | Improving the Stability and Activity of Oral Therapeutic Enzymes—Recent Advances and Perspectives. <i>Pharmaceutical Research</i> , 2014, 31, 1099-1105. | 3.5 | 41 |
| 110 | Photothermal Killing of Cancer Cells by the Controlled Plasmonic Coupling of Silica-Coated Au/Fe ₂ O ₃ Nanoaggregates. <i>Advanced Functional Materials</i> , 2014, 24, 2818-2827. | 14.9 | 99 |
| 111 | Semi-permeable coatings fabricated from comb-polymers efficiently protect proteins in vivo. <i>Nature Communications</i> , 2014, 5, 5526. | 12.8 | 61 |
| 112 | Cancer Treatment: Photothermal Killing of Cancer Cells by the Controlled Plasmonic Coupling of Silica-Coated Au/Fe ₂ O ₃ Nanoaggregates (<i>Adv. Funct. Mater.</i> 19/2014). <i>Advanced Functional Materials</i> , 2014, 24, 2817-2817. | 14.9 | 0 |
| 113 | Targeting of Injectable Drug Nanocrystals. <i>Molecular Pharmaceutics</i> , 2014, 11, 1762-1771. | 4.6 | 60 |
| 114 | Plasmonic biocompatible silver-gold alloyed nanoparticles. <i>Chemical Communications</i> , 2014, 50, 13559-13562. | 4.1 | 50 |
| 115 | Breakthrough discoveries in drug delivery technologies: The next 30 years. <i>Journal of Controlled Release</i> , 2014, 190, 9-14. | 9.9 | 82 |
| 116 | Disulfide-containing parenteral delivery systems and their redox-biological fate. <i>Journal of Controlled Release</i> , 2014, 195, 147-154. | 9.9 | 156 |
| 117 | Amphipathic Homopolymers for siRNA Delivery: Probing Impact of Bifunctional Polymer Composition on Transfection. <i>Biomacromolecules</i> , 2014, 15, 1707-1715. | 5.4 | 45 |
| 118 | Activatable Cell Penetrating Peptide—Peptide Nucleic Acid Conjugate via Reduction of Azobenzene PEG Chains. <i>Journal of the American Chemical Society</i> , 2014, 136, 12868-12871. | 13.7 | 115 |
| 119 | Bio-reduction of Redox-Sensitive Albumin Conjugates in FcRn-Expressing Cells. <i>Angewandte Chemie - International Edition</i> , 2014, 53, 8392-8396. | 13.8 | 15 |
| 120 | BL-7010 Demonstrates Specific Binding to Gliadin and Reduces Gluten-Associated Pathology in a Chronic Mouse Model of Gliadin Sensitivity. <i>PLoS ONE</i> , 2014, 9, e109972. | 2.5 | 41 |
| 121 | Celiac Disease: A Challenging Disease for Pharmaceutical Scientists. <i>Pharmaceutical Research</i> , 2013, 30, 619-626. | 3.5 | 19 |
| 122 | Non-invasive dynamic near-infrared imaging and quantification of vascular leakage in vivo. <i>Angiogenesis</i> , 2013, 16, 525-540. | 7.2 | 32 |
| 123 | Use of a PEG-conjugated bright near-infrared dye for functional imaging of rerouting of tumor lymphatic drainage after sentinel lymph node metastasis. <i>Biomaterials</i> , 2013, 34, 5128-5137. | 11.4 | 134 |
| 124 | Modular Design of Redox-Responsive Stabilizers for Nanocrystals. <i>ACS Nano</i> , 2013, 7, 8243-8250. | 14.6 | 40 |
| 125 | Expansion of the lymphatic vasculature in cancer and inflammation: New opportunities for in vivo imaging and drug delivery. <i>Journal of Controlled Release</i> , 2013, 172, 550-557. | 9.9 | 52 |
| 126 | Is there a future for cell-penetrating peptides in oligonucleotide delivery?. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2013, 85, 5-11. | 4.3 | 69 |

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|-----|---|------|-----------|
| 127 | Toxicity of Silver Nanoparticles in Macrophages. <i>Small</i> , 2013, 9, 2576-2584. | 10.0 | 184 |
| 128 | Biomedical applications of bisphosphonates. <i>Journal of Controlled Release</i> , 2013, 167, 175-188. | 9.9 | 147 |
| 129 | Dynamics of lymphatic regeneration and flow patterns after lymph node dissection. <i>Breast Cancer Research and Treatment</i> , 2013, 139, 81-86. | 2.5 | 71 |
| 130 | Sustained gastrointestinal activity of dendronized polymer-enzyme conjugates. <i>Nature Chemistry</i> , 2013, 5, 582-589. | 13.6 | 92 |
| 131 | Broad Control of Disulfide Stability through Microenvironmental Effects and Analysis in Complex Redox Environments. <i>Biomacromolecules</i> , 2013, 14, 2383-2388. | 5.4 | 35 |
| 132 | siRNA Transfection with Calcium Phosphate Nanoparticles Stabilized with PEGylated Chelators. <i>Advanced Healthcare Materials</i> , 2013, 2, 134-144. | 7.6 | 57 |
| 133 | Molecular Sieving on the Surface of a Protein Provides Protection Without Loss of Activity. <i>Advanced Functional Materials</i> , 2013, 23, 2007-2015. | 14.9 | 43 |
| 134 | Polymer-Enzyme Conjugates for Oral Drug Delivery Applications. <i>Chimia</i> , 2013, 67, 685. | 0.6 | 1 |
| 135 | Tracking the Bioreduction of Disulfide-Containing Cationic Dendrimers. <i>Angewandte Chemie - International Edition</i> , 2012, 51, 12454-12458. | 13.8 | 67 |
| 136 | Annealing of magnetic nanoparticles for their encapsulation into microcarriers guided by vascular magnetic resonance navigation. <i>Journal of Nanoparticle Research</i> , 2012, 14, 1. | 1.9 | 6 |
| 137 | The Copolymer P(HEMA-co-SS) Binds Gluten and Reduces Immune Response in Gluten-Sensitized Mice and Human Tissues. <i>Gastroenterology</i> , 2012, 142, 316-325.e12. | 1.3 | 71 |
| 138 | Twin disulfides for orthogonal disulfide pairing and the directed folding of multicyclic peptides. <i>Nature Chemistry</i> , 2012, 4, 1044-1049. | 13.6 | 63 |
| 139 | Lipase Is Essential for the Study of <i>in Vitro</i> Release Kinetics from Organogels. <i>Molecular Pharmaceutics</i> , 2012, 9, 1803-1811. | 4.6 | 13 |
| 140 | PEG Nanocages as Non-sheddable Stabilizers for Drug Nanocrystals. <i>ACS Nano</i> , 2012, 6, 1667-1676. | 14.6 | 55 |
| 141 | pH-sensitive vesicles, polymeric micelles, and nanospheres prepared with polycarboxylates. <i>Advanced Drug Delivery Reviews</i> , 2012, 64, 979-992. | 13.7 | 414 |
| 142 | Genetic Ablation of SOX18 Function Suppresses Tumor Lymphangiogenesis and Metastasis of Melanoma in Mice. <i>Cancer Research</i> , 2012, 72, 3105-3114. | 0.9 | 56 |
| 143 | Targeting Bacterial Toxins. <i>Angewandte Chemie - International Edition</i> , 2012, 51, 4024-4045. | 13.8 | 55 |
| 144 | Treatment of calcium channel blocker-induced cardiovascular toxicity with drug scavenging liposomes. <i>Biomaterials</i> , 2012, 33, 3578-3585. | 11.4 | 33 |

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|-----|---|------|-----------|
| 145 | The interactions of amphiphilic antisense oligonucleotides with serum proteins and their effects on in vitro silencing activity. <i>Biomaterials</i> , 2012, 33, 5955-5965. | 11.4 | 19 |
| 146 | The journey of a drug-carrier in the body: An anatomico-physiological perspective. <i>Journal of Controlled Release</i> , 2012, 161, 152-163. | 9.9 | 568 |
| 147 | Development and physico-chemical characterization of a liposomal formulation of istaroxime. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2011, 79, 285-293. | 4.3 | 9 |
| 148 | Nanonization of megestrol acetate by laser fragmentation in aqueous milieu. <i>Journal of Controlled Release</i> , 2011, 149, 273-280. | 9.9 | 64 |
| 149 | Gene delivery with bisphosphonate-stabilized calcium phosphate nanoparticles. <i>Journal of Controlled Release</i> , 2011, 150, 87-93. | 9.9 | 120 |
| 150 | siRNA nanocarriers based on methacrylic acid copolymers. <i>Journal of Controlled Release</i> , 2011, 152, 159-167. | 9.9 | 58 |
| 151 | New pharmaceutical applications for macromolecular binders. <i>Journal of Controlled Release</i> , 2011, 155, 200-210. | 9.9 | 32 |
| 152 | Preparation of polyion complex micelles from poly(ethylene glycol)-block-polyions. <i>Journal of Controlled Release</i> , 2011, 156, 118-127. | 9.9 | 30 |
| 153 | Self assembling properties of aminated poly(glycerol methacrylate)s. <i>Journal of Controlled Release</i> , 2011, 152, e142-e143. | 9.9 | 3 |
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