## Jean-Christophe Leroux

List of Publications by Year in descending order

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267 papers

20,853 citations

9784 73 h-index 134 g-index

284 all docs

284 docs citations

times ranked

284

22538 citing authors

#	Article	IF	CITATIONS
1	Block copolymer micelles: preparation, characterization and application in drug delivery. Journal of Controlled Release, 2005, 109, 169-188.	9.9	1,303
2	Polymeric micelles $\hat{a} \in \hat{a}$ a new generation of colloidal drug carriers. European Journal of Pharmaceutics and Biopharmaceutics, 1999, 48, 101-111.	4.3	1,132
3	In situ-forming hydrogels—review of temperature-sensitive systems. European Journal of Pharmaceutics and Biopharmaceutics, 2004, 58, 409-426.	4.3	1,106
4	Organogels and their use in drug delivery — A review. Journal of Controlled Release, 2008, 125, 179-192.	9.9	625
5	The journey of a drug-carrier in the body: An anatomo-physiological perspective. Journal of Controlled Release, 2012, 161, 152-163.	9.9	568
6	Current status of pH-sensitive liposomes in drug delivery. Progress in Lipid Research, 2000, 39, 409-460.	11.6	437
7	pH-sensitive vesicles, polymeric micelles, and nanospheres prepared with polycarboxylates. Advanced Drug Delivery Reviews, 2012, 64, 979-992.	13.7	414
8	A thermosensitive chitosan-based hydrogel for the local delivery of paclitaxel. European Journal of Pharmaceutics and Biopharmaceutics, 2004, 57, 53-63.	4.3	337
9	Polymeric micelles for oral drug delivery. European Journal of Pharmaceutics and Biopharmaceutics, 2010, 76, 147-158.	4.3	332
10	Stereocomplex Block Copolymer Micelles:Â Coreâ°'Shell Nanostructures with Enhanced Stability. Nano Letters, 2005, 5, 315-319.	9.1	323
11	Thermosensitive chitosan-based hydrogel containing liposomes for the delivery of hydrophilic molecules. Journal of Controlled Release, 2002, 82, 373-383.	9.9	291
12	Polyester-based micelles and nanoparticles for the parenteral delivery of taxanes. Journal of Controlled Release, 2010, 143, 2-12.	9.9	291
13	Biocompatibility of thermosensitive chitosan-based hydrogels: an in vivo experimental approach to injectable biomaterials. Biomaterials, 2002, 23, 2717-2722.	11.4	280
14	Oral delivery of macromolecular drugs: Where we are after almost 100 years of attempts. Advanced Drug Delivery Reviews, 2016, 101, 108-121.	13.7	244
15	Biodegradable nanoparticles — From sustained release formulations to improved site specific drug delivery. Journal of Controlled Release, 1996, 39, 339-350.	9.9	240
16	Poly(N-vinylpyrrolidone)-block-poly(d,l-lactide) as a new polymeric solubilizer for hydrophobic anticancer drugs: in vitro and in vivo evaluation. Journal of Controlled Release, 2004, 99, 83-101.	9.9	230
17	Co-encapsulation of magnetic nanoparticles and doxorubicin into biodegradable microcarriers for deep tissue targeting by vascular MRI navigation. Biomaterials, 2011, 32, 3481-3486.	11.4	223
18	pH-Sensitive Unimolecular Polymeric Micelles:Â Synthesis of a Novel Drug Carrier. Bioconjugate Chemistry, 2003, 14, 774-781.	3.6	211

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19	N-isopropylacrylamide copolymers for the preparation of pH-sensitive liposomes and polymeric micelles. Journal of Controlled Release, 2001, 72, 71-84.	9.9	208
20	Membrane-destabilizing polyanions: interaction with lipid bilayers and endosomal escape of biomacromolecules. Advanced Drug Delivery Reviews, 2004, 56, 999-1021.	13.7	205
21	Quantitative Imaging of Lymphatic Function with Liposomal Indocyanine Green. Cancer Research, 2010, 70, 7053-7062.	0.9	186
22	In vitro extended-release properties of drug-loaded poly(DL-lactic acid) nanoparticles produced by a salting-out procedure. Pharmaceutical Research, 1993, 10, 1732-1737.	3.5	185
23	Toxicity of Silver Nanoparticles in Macrophages. Small, 2013, 9, 2576-2584.	10.0	184
24	Novel pH-sensitive supramolecular assemblies for oral delivery of poorly water soluble drugs: preparation and characterization. Journal of Controlled Release, 2004, 97, 301-312.	9.9	157
25	Disulfide-containing parenteral delivery systems and their redox-biological fate. Journal of Controlled Release, 2014, 195, 147-154.	9.9	156
26	3D printing of a wearable personalized oral delivery device: A first-in-human study. Science Advances, 2018, 4, eaat2544.	10.3	149
27	Biomedical applications of bisphosphonates. Journal of Controlled Release, 2013, 167, 175-188.	9.9	147
28	Design of targeted lipid nanocapsules by conjugation of whole antibodies and antibody Fab' fragments. Biomaterials, 2007, 28, 4978-4990.	11.4	143
29	Novel polymeric micelles based on the amphiphilic diblock copolymer poly(N-vinyl-2-pyrrolidone)-block-poly(D,L-lactide). Pharmaceutical Research, 2001, 18, 323-328.	3.5	136
30	Characterization and biocompatibility of organogels based on l-alanine for parenteral drug delivery implants. Biomaterials, 2005, 26, 6242-6253.	11.4	135
31	Formulation and lyoprotection of poly(lactic acid-co-ethylene oxide) nanoparticles: influence on physical stability and in vitro cell uptake. Pharmaceutical Research, 1999, 16, 859-866.	3.5	134
32	Use of a PEG-conjugated bright near-infrared dye for functional imaging of rerouting of tumor lymphatic drainage after sentinel lymph node metastasis. Biomaterials, 2013, 34, 5128-5137.	11.4	134
33	Polymeric Binders Suppress Gliadin-Induced Toxicity in the Intestinal Epithelium. Gastroenterology, 2009, 136, 288-298.	1.3	127
34	Magnetic nanoparticles encapsulated into biodegradable microparticles steered with an upgraded magnetic resonance imaging system for tumor chemoembolization. Biomaterials, 2009, 30, 6327-6332.	11.4	124
35	Effect of Poly( <i>N</i> -vinyl-pyrrolidone)- <i>block</i> -poly( <scp>d</scp> , <scp>l</scp> -lactide) as Coating Agent on the Opsonization, Phagocytosis, and Pharmacokinetics of Biodegradable Nanoparticles. Biomacromolecules, 2009, 10, 408-416.	5.4	123
36	Gene delivery with bisphosphonate-stabilized calcium phosphate nanoparticles. Journal of Controlled Release, 2011, 150, 87-93.	9.9	120

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37	Long Circulating Poly(Ethylene Glycol)-Decorated Lipid Nanocapsules Deliver Docetaxel to Solid Tumors. Pharmaceutical Research, 2006, 23, 752-758.	3.5	118
38	Activatable Cell Penetrating Peptide–Peptide Nucleic Acid Conjugate via Reduction of Azobenzene PEG Chains. Journal of the American Chemical Society, 2014, 136, 12868-12871.	13.7	115
39	Enhancement of oral bioavailability of poorly water-soluble drugs by poly(ethylene) Tj ETQq1 1 0.784314 rgBT /0 2005, 104, 289-300.	Overlock 1 9.9	0 Tf 50 667 To 113
40	Chronic High-Fat Diet Impairs Collecting Lymphatic Vessel Function in Mice. PLoS ONE, 2014, 9, e94713.	2.5	113
41	An investigation on the role of plasma and serum opsonins on the evternalization of biodegradable poly(D,L-lactic acid) nanoparticles by human monocytes. Life Sciences, 1995, 57, 695-703.	4.3	112
42	Effects of steam sterilization on thermogelling chitosan-based gels. Journal of Biomedical Materials Research Part B, 2001, 58, 127-135.	3.1	109
43	Characterization of the membrane-destabilizing properties of different pH-sensitive methacrylic acid copolymers. Biochimica Et Biophysica Acta - Biomembranes, 2003, 1613, 28-38.	2.6	108
44	Agingâ€related anatomical and biochemical changes in lymphatic collectors impair lymph transport, fluid homeostasis, and pathogen clearance. Aging Cell, 2015, 14, 582-594.	6.7	106
45	Novel Amphiphilic Diblock Copolymer of Low Molecular Weight Poly(N-vinylpyrrolidone)-block-poly(d,l-lactide): Synthesis, Characterization, and Micellization. Macromolecules, 2004, 37, 4008-4013.	4.8	104
46	Ratiometric Fluorescent Probes for the Detection of Reactive Oxygen Species. Chemistry - A European Journal, 2017, 23, 13549-13573.	3.3	104
47	Lipids and polymers in pharmaceutical technology: Lifelong companions. International Journal of Pharmaceutics, 2019, 558, 128-142.	5.2	101
48	Predicting the Solubility of the Anti-Cancer Agent Docetaxel in Small Molecule Excipients using Computational Methods. Pharmaceutical Research, 2008, 25, 147-157.	<b>3.</b> 5	99
49	Photothermal Killing of Cancer Cells by the Controlled Plasmonic Coupling of Silicaâ€Coated Au/Fe <sub>2</sub> O <sub>3</sub> Nanoaggregates. Advanced Functional Materials, 2014, 24, 2818-2827.	14.9	99
50	Copolymers of N -isopropylacrylamide can trigger pH sensitivity to stable liposomes. FEBS Letters, 1998, 421, 61-64.	2.8	98
51	Enzyme-Mimetic Antioxidant Luminescent Nanoparticles for Highly Sensitive Hydrogen Peroxide Biosensing. ACS Nano, 2017, 11, 12210-12218.	14.6	96
52	Brain targeting using novel lipid nanovectors. Journal of Controlled Release, 2008, 126, 44-49.	9.9	95
53	A Novel One-Step Drug-Loading Procedure for Water-Soluble Amphiphilic Nanocarriers. Pharmaceutical Research, 2004, 21, 962-968.	3.5	94
54	PEG-coated Poly(lactic acid) Nanoparticles for the Delivery of Hexadecafluoro Zinc Phthalocyanine to EMT-6 Mouse Mammary Tumours. Journal of Pharmacy and Pharmacology, 2011, 47, 382-387.	2.4	94

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55	Polymer based pH-sensitive carriers as a means to improve the cytoplasmic delivery of drugs. International Journal of Pharmaceutics, 2002, 242, 25-36.	5.2	93
56	Novel Long-Circulating Lipid Nanocapsules. Pharmaceutical Research, 2004, 21, 1783-1789.	3.5	92
57	Sustained gastrointestinal activity of dendronized polymer–enzyme conjugates. Nature Chemistry, 2013, 5, 582-589.	13.6	92
58	Twenty-five years of polymersomes: lost in translation?. Materials Horizons, 2020, 7, 1297-1309.	12.2	92
59	Injectable nanocarriers for biodetoxification. Nature Nanotechnology, 2007, 2, 679-684.	31.5	91
60	Solubilization of cyclosporin A in dextran-g-polyethyleneglycolalkyl ether polymeric micelles. European Journal of Pharmaceutics and Biopharmaceutics, 2003, 56, 337-346.	4.3	90
61	In vitro characterization of a novel polymeric-based pH-sensitive liposome system. Biochimica Et Biophysica Acta - Biomembranes, 2000, 1463, 383-394.	2.6	89
62	Serum-stable and long-circulating, PEGylated, pH-sensitive liposomes. Journal of Controlled Release, 2004, 94, 447-451.	9.9	89
63	Editorial: Drug Delivery: Too Much Complexity, Not Enough Reproducibility?. Angewandte Chemie - International Edition, 2017, 56, 15170-15171.	13.8	88
64	Internalization of poly(D,L-1actic acid) nanoparticles by isolated human leukocytes and analysis of plasma proteins adsorbed onto the particles. Journal of Biomedical Materials Research Part B, 1994, 28, 471-481.	3.1	87
65	Recent advances in the treatment of hyperammonemia. Advanced Drug Delivery Reviews, 2015, 90, 55-68.	13.7	87
66	Kinetics of blood component adsorption on poly(D,L-lactic acid) nanoparticles: Evidence of complement C3 component involvement., 1997, 37, 229-234.		85
67	Preparation and Tumor Cell Uptake of Poly(N-isopropylacrylamide) Folate Conjugates. Bioconjugate Chemistry, 2002, 13, 685-692.	3.6	84
68	pH-Responsive Molecular Tweezers. Journal of the American Chemical Society, 2010, 132, 8544-8545.	13.7	82
69	Breakthrough discoveries in drug delivery technologies: The next 30 years. Journal of Controlled Release, 2014, 190, 9-14.	9.9	82
70	Study of the Micellization Behavior of Different Order Amino Block Copolymers with Heparin. Pharmaceutical Research, 2004, 21, 160-169.	<b>3.</b> 5	79
71	In situ-Forming Pharmaceutical Organogels Based on the Self-Assembly of L-Alanine Derivatives. Pharmaceutical Research, 2004, 21, 454-457.	3.5	79
72	From well-defined diblock copolymers prepared by a versatile atom transfer radical polymerization method to supramolecular assemblies. Journal of Polymer Science Part A, 2001, 39, 3861-3874.	2.3	78

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73	Well-Defined Multivalent Ligands for Hepatocytes Targeting via Asialoglycoprotein Receptor. Bioconjugate Chemistry, 2017, 28, 283-295.	3.6	77
74	Challenges and Opportunities in 3D Printing of Biodegradable Medical Devices by Emerging Photopolymerization Techniques. Advanced Functional Materials, 2022, 32, .	14.9	77
75	On the Characterization of pH-sensitive Liposome/Polymer Complexes. Biomacromolecules, 2003, 4, 240-248.	5.4	76
76	First report on the efficacy of l-alanine-based in situ-forming implants for the long-term parenteral delivery of drugs. Journal of Controlled Release, 2005, 108, 433-441.	9.9	76
77	Drug Delivery Research for the Future: Expanding the Nano Horizons and Beyond. Journal of Controlled Release, 2017, 246, 183-184.	9.9	75
78	Solubilization of Docetaxel in Poly(ethylene oxide)-block-poly(butylene/styrene oxide) Micelles. Biomacromolecules, 2007, 8, 2250-2257.	5.4	74
79	Reverse polymeric micelles for pharmaceutical applications. Journal of Controlled Release, 2008, 132, 208-215.	9.9	74
80	Tyrosine-based rivastigmine-loaded organogels in the treatment of Alzheimer's disease. Biomaterials, 2010, 31, 6031-6038.	11.4	74
81	pH-responsive polymeric micelles of poly(ethylene glycol)-b-poly(alkyl(meth)acrylate-co-methacrylic) Tj ETQq1 1 candesartan cilexetil. European Journal of Pharmaceutics and Biopharmaceutics, 2007, 65, 379-387.	0.784314 4.3	rgBT /Overloc 72
82	Chemotherapy sensitization of glioblastoma by focused ultrasound-mediated delivery of therapeutic liposomes. Journal of Controlled Release, 2019, 295, 130-139.	9.9	72
83	The Copolymer P(HEMA-co-SS) Binds Gluten and Reduces Immune Response in Gluten-Sensitized Mice and Human Tissues. Gastroenterology, 2012, 142, 316-325.e12.	1.3	71
84	Dynamics of lymphatic regeneration and flow patterns after lymph node dissection. Breast Cancer Research and Treatment, 2013, 139, 81-86.	2.5	71
85	Steric stabilization of liposomes by pHâ€responsive Nâ€isopropylacrylamide copolymer. Journal of Pharmaceutical Sciences, 2002, 91, 1795-1802.	3.3	70
86	Triblock and star-block copolymers of N-(2-hydroxypropyl)methacrylamide or N-vinyl-2-pyrrolidone and d,l-lactide: synthesis and self-assembling properties in water. Polymer, 2004, 45, 8967-8980.	3.8	69
87	Is there a future for cell-penetrating peptides in oligonucleotide delivery?. European Journal of Pharmaceutics and Biopharmaceutics, 2013, 85, 5-11.	4.3	69
88	Digital light 3D printing of customized bioresorbable airway stents with elastomeric properties. Science Advances, 2021, 7, .	10.3	69
89	Tracking the Bioreduction of Disulfideâ€Containing Cationic Dendrimers. Angewandte Chemie - International Edition, 2012, 51, 12454-12458.	13.8	67
90	Pharmacokinetics of a Novel HIV-1 Protease Inhibitor Incorporated into Biodegradable or Enteric Nanoparticles following Intravenous and Oral Administration to Mice. Journal of Pharmaceutical Sciences, 1995, 84, 1387-1391.	3.3	66

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91	Liposome-supported peritoneal dialysis for detoxification of drugs and endogenous metabolites. Science Translational Medicine, 2014, 6, 258ra141.	12.4	66
92	Pharmaceutical organogels prepared from aromatic amino acid derivatives. Journal of Materials Chemistry, 2009, 19, 3867.	6.7	65
93	Self-Assembled Nanocages for Hydrophilic Guest Molecules. Journal of the American Chemical Society, 2006, 128, 14599-14605.	13.7	64
94	Nanonization of megestrol acetate by laser fragmentation in aqueous milieu. Journal of Controlled Release, 2011, 149, 273-280.	9.9	64
95	pH-sensitive immunoliposomes specific to the CD33 cell surface antigen of leukemic cells. International Journal of Pharmaceutics, 2009, 381, 86-96.	5.2	63
96	Pharmacokinetics and biodistribution of N-isopropylacrylamide copolymers for the design of pH-sensitive liposomes. Biomaterials, 2009, 30, 2598-2605.	11.4	63
97	Twin disulfides for orthogonal disulfide pairing and the directed folding of multicyclic peptides. Nature Chemistry, 2012, 4, 1044-1049.	13.6	63
98	Decline of lymphatic vessel density and function in murine skin during aging. Angiogenesis, 2015, 18, 489-498.	7.2	63
99	Aminated Linear and Star-Shape Poly(glycerol methacrylate)s: Synthesis and Self-Assembling Properties. Biomacromolecules, 2010, 11, 889-895.	5.4	62
100	Delivery of Nucleic Acids through the Controlled Disassembly of Multifunctional Nanocomplexes. Advanced Functional Materials, 2009, 19, 3862-3867.	14.9	61
101	Semi-permeable coatings fabricated from comb-polymers efficiently protect proteins in vivo. Nature Communications, 2014, 5, 5526.	12.8	61
102	Targeting of Injectable Drug Nanocrystals. Molecular Pharmaceutics, 2014, 11, 1762-1771.	4.6	60
103	Releasable Conjugation of Polymers to Proteins. Bioconjugate Chemistry, 2015, 26, 1172-1181.	3.6	60
104	siRNA nanocarriers based on methacrylic acid copolymers. Journal of Controlled Release, 2011, 152, 159-167.	9.9	58
105	Interplay of Chemical Microenvironment and Redox Environment on Thiol–Disulfide Exchange Kinetics. Chemistry - A European Journal, 2011, 17, 10064-10070.	3.3	58
106	siRNA Transfection with Calcium Phosphate Nanoparticles Stabilized with PEGylated Chelators. Advanced Healthcare Materials, 2013, 2, 134-144.	7.6	57
107	In Situ-Forming Oleogel Implant for Rivastigmine Delivery. Pharmaceutical Research, 2008, 25, 845-852.	3.5	56
108	Genetic Ablation of SOX18 Function Suppresses Tumor Lymphangiogenesis and Metastasis of Melanoma in Mice. Cancer Research, 2012, 72, 3105-3114.	0.9	56

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109	PEG Nanocages as Non-sheddable Stabilizers for Drug Nanocrystals. ACS Nano, 2012, 6, 1667-1676.	14.6	55
110	Targeting Bacterial Toxins. Angewandte Chemie - International Edition, 2012, 51, 4024-4045.	13.8	55
111	pH-sensitive nanoparticles: an effective means to improve the oral delivery of HIV-1 protease inhibitors in dogs. Pharmaceutical Research, 1996, 13, 485-487.	3.5	54
112	In Vitro Evaluation of pH-Sensitive Polymer/Niosome Complexes. Biomacromolecules, 2001, 2, 741-749.	5.4	52
113	Micelles in Anticancer Drug Delivery. American Journal of Drug Delivery, 2004, 2, 15-42.	0.6	52
114	Expansion of the lymphatic vasculature in cancer and inflammation: New opportunities for in vivo imaging and drug delivery. Journal of Controlled Release, 2013, 172, 550-557.	9.9	52
115	Exosomes for Wound Healing: Purification Optimization and Identification of Bioactive Components. Advanced Science, 2020, 7, 2002596.	11.2	52
116	Irradiating or Autoclaving Chitosan/Polyol Solutions: Effect on Thermogelling ChitosanBETAglycerophosphate Systems Chemical and Pharmaceutical Bulletin, 2002, 50, 1335-1340.	1.3	51
117	Transmembrane pH-Gradient Liposomes To Treat Cardiovascular Drug Intoxication. ACS Nano, 2010, 4, 7552-7558.	14.6	51
118	Thiol-Functionalized Polymeric Micelles:  From Molecular Recognition to Improved Mucoadhesion. Bioconjugate Chemistry, 2005, 16, 1027-1033.	3.6	50
119	Plasmonic biocompatible silver–gold alloyed nanoparticles. Chemical Communications, 2014, 50, 13559-13562.	4.1	50
120	Conformation–function relationships for the comb-shaped polymer pOEGMA. Progress in Polymer Science, 2015, 48, 111-121.	24.7	50
121	Fabrication of Paclitaxel Nanocrystals by Femtosecond Laser Ablation and Fragmentation. Journal of Pharmaceutical Sciences, 2011, 100, 1022-1030.	3.3	46
122	Amphipathic Homopolymers for siRNA Delivery: Probing Impact of Bifunctional Polymer Composition on Transfection. Biomacromolecules, 2014, 15, 1707-1715.	5.4	45
123	Preparation and purification of polyisohexylcyanoacrylate nanocapsules. International Journal of Pharmaceutics, 1991, 72, 211-217.	5 <b>.</b> 2	44
124	On the role of methacrylic acid copolymers in the intracellular delivery of antisense oligonucleotides. European Journal of Pharmaceutics and Biopharmaceutics, 2006, 63, 1-10.	4.3	44
125	Nanopharmaceuticals: A focus on their clinical translatability. International Journal of Pharmaceutics, 2020, 578, 119098.	5.2	44
126	Thiol-Functionalized Poly(ethylene glycol)-b-polyesters:Â Synthesis and Characterization. Macromolecules, 2007, 40, 1874-1880.	4.8	43

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127	Molecular Sieving on the Surface of a Protein Provides Protection Without Loss of Activity. Advanced Functional Materials, 2013, 23, 2007-2015.	14.9	43
128	Characterization of Calcium Phosphate Nanoparticles Based on a PEGylated Chelator for Gene Delivery. ACS Applied Materials & Samp; Interfaces, 2017, 9, 10435-10445.	8.0	43
129	Continuous color tuning of single-fluorophore emission via polymerization-mediated through-space charge transfer. Science Advances, 2021, 7, .	10.3	43
130	Biodegradable nanospheres containing phthalocyanines and naphthalocyanines for targeted photodynamic tumor therapy. Pharmaceutical Research, 1991, 08, 1027-1031.	3.5	42
131	Autonomous gel/enzyme oscillator fueled by glucose: Preliminary evidence for oscillations. Chaos, 1999, 9, 267-275.	2.5	42
132	Star-shaped alkylated poly(glycerol methacrylate) reverse micelles: Synthesis and evaluation of their solubilizing properties in dichloromethane. Journal of Polymer Science Part A, 2007, 45, 2425-2435.	2.3	42
133	Is 3D Printing of Pharmaceuticals a Disruptor or Enabler?. Advanced Materials, 2019, 31, e1805680.	21.0	42
134	Improving the Stability and Activity of Oral Therapeutic Enzymesâ€"Recent Advances and Perspectives. Pharmaceutical Research, 2014, 31, 1099-1105.	3.5	41
135	Improving oral drug bioavailability with polycations?. European Journal of Pharmaceutics and Biopharmaceutics, 2015, 97, 427-437.	4.3	41
136	Pharmacokinetics of lipid-drug conjugates loaded into liposomes. European Journal of Pharmaceutics and Biopharmaceutics, 2018, 128, 188-199.	4.3	41
137	BL-7010 Demonstrates Specific Binding to Gliadin and Reduces Gluten-Associated Pathology in a Chronic Mouse Model of Gliadin Sensitivity. PLoS ONE, 2014, 9, e109972.	2.5	41
138	Reverse micelles from amphiphilic branched polymers. Soft Matter, 2010, 6, 5850.	2.7	40
139	Modular Design of Redox-Responsive Stabilizers for Nanocrystals. ACS Nano, 2013, 7, 8243-8250.	14.6	40
140	<i>In Vivo</i> Evaluation of pH-Sensitive Polymer-Based Immunoliposomes Targeting the CD33 Antigen. Molecular Pharmaceutics, 2010, 7, 1098-1107.	4.6	39
141	Peptides for tumor-specific drug targeting: state of the art and beyond. Journal of Materials Chemistry B, 2017, 5, 4348-4364.	5.8	39
142	Microfluidic Shrinking Droplet Concentrator for Analyte Detection and Phase Separation of Protein Solutions. Analytical Chemistry, 2020, 92, 5803-5812.	6.5	38
143	Inhibition of vascular calcification by inositol phosphates derivatized with ethylene glycol oligomers. Nature Communications, 2020, 11, 721.	12.8	38
144	Nano-antidotes for drug overdose and poisoning. Science Translational Medicine, 2015, 7, 290ps14.	12.4	37

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145	In vivo fluorescence imaging of exogenous enzyme activity in the gastrointestinal tract. Proceedings of the National Academy of Sciences of the United States of America, 2011, 108, 9032-9037.	7.1	36
146	Efficient protein targeting to the inner nuclear membrane requires Atlastin-dependent maintenance of ER topology. ELife, 2017, 6, .	6.0	36
147	Report on the Use of Poly(organophosphazenes) for the Design of Stimuli-Responsive Vesicles. Biomacromolecules, 2004, 5, 2082-2087.	5.4	35
148	Broad Control of Disulfide Stability through Microenvironmental Effects and Analysis in Complex Redox Environments. Biomacromolecules, 2013, 14, 2383-2388.	5.4	35
149	Siteâ€Specific Polymer Conjugation Stabilizes Therapeutic Enzymes in the Gastrointestinal Tract. Advanced Materials, 2016, 28, 1455-1460.	21.0	35
150	Encapsulation of Hydrophilic Compounds in Small Extracellular Vesicles: Loading Capacity and Impact on Vesicle Functions. Advanced Healthcare Materials, 2022, 11, e2100047.	7.6	35
151	Long-circulating poly(ethylene glycol)-coated emulsions to target solid tumors. European Journal of Pharmaceutics and Biopharmaceutics, 2007, 67, 329-338.	4.3	34
152	Interaction of αâ€gliadin with poly(HEMAâ€ <i>co</i> àâ€SS): Structural characterization and biological implication. Biopolymers, 2009, 91, 169-178.	2.4	34
153	In Vitro and In Vivo Evaluation of PEGylated Layerâ€byâ€Layer Polyelectrolyteâ€Coated Paclitaxel Nanocrystals. Small, 2017, 13, 1602066.	10.0	34
154	Synthesis and enzymatic stability of PEGylated oligonucleotide duplexes and their self-assemblies with polyamidoamine dendrimers. Soft Matter, 2008, 4, 294-302.	2.7	33
155	Treatment of calcium channel blocker-induced cardiovascular toxicity with drug scavenging liposomes. Biomaterials, 2012, 33, 3578-3585.	11.4	33
156	In vivo visualization and quantification of collecting lymphatic vessel contractility using near-infrared imaging. Scientific Reports, 2016, 6, 22930.	3.3	33
157	Poly(Nâ€vinylâ€pyrrolidone)â€blockâ€poly(D,Lâ€lactide) as polymeric emulsifier for the preparation of biodegradable nanoparticles. Journal of Pharmaceutical Sciences, 2007, 96, 1763-1775.	3.3	32
158	Long circulating lipid nanocapsules for drug detoxification. Biomaterials, 2007, 28, 1248-1257.	11.4	32
159	New pharmaceutical applications for macromolecular binders. Journal of Controlled Release, 2011, 155, 200-210.	9.9	32
160	Non-invasive dynamic near-infrared imaging and quantification of vascular leakage in vivo. Angiogenesis, 2013, 16, 525-540.	7.2	32
161	Twin disulfides as opportunity for improving stability and transfection efficiency of oligoaminoethane polyplexes. Journal of Controlled Release, 2015, 205, 109-119.	9.9	32
162	An oral redox-sensitive self-immolating prodrug strategy. Chemical Communications, 2015, 51, 5721-5724.	4.1	31

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163	Targeting Nanocarriers with Anisamide: Fact or Artifact?. Advanced Materials, 2017, 29, 1603451.	21.0	31
164	Characterization of Polyion Complex Micelles Designed to Address the Challenges of Oligonucleotide Delivery. Pharmaceutical Research, 2008, 25, 2083-2093.	3.5	30
165	Core Cross-Linked Reverse Micelles from Star-Shaped Polymers. Chemistry of Materials, 2008, 20, 3063-3067.	6.7	30
166	Preparation of polyion complex micelles from poly(ethylene glycol)-block-polyions. Journal of Controlled Release, 2011, 156, 118-127.	9.9	30
167	Microneedles for the Noninvasive Structural and Functional Assessment of Dermal Lymphatic Vessels. Small, 2016, 12, 1053-1061.	10.0	30
168	Rescue of amitriptyline-intoxicated hearts with nanosized vesicles. Cardiovascular Research, 2007, 74, 480-486.	3.8	29
169	Enhancement of docetaxel solubility via conjugation of formulation-compatible moieties. Organic and Biomolecular Chemistry, 2009, 7, 3437.	2.8	29
170	Regulation of lymphangiogenesis in the diaphragm by macrophages and VEGFR-3 signaling. Angiogenesis, 2016, 19, 513-524.	7.2	29
171	Intracellular delivery of colloids: Past and future contributions from microinjection. Advanced Drug Delivery Reviews, 2018, 132, 3-15.	13.7	29
172	Investigational Pharmacological Treatments for Vascular Calcification. Advanced Therapeutics, 2019, 2, 1800094.	3.2	28
173	Quantitative measurement of lymphatic function in mice by noninvasive near-infrared imaging of a peripheral vein. JCI Insight, 2017, 2, e90861.	5.0	28
174	Proton-Actuated Membrane-Destabilizing Polyion Complex Micelles. Bioconjugate Chemistry, 2007, 18, 1010-1014.	3.6	27
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