

Dongfei Liu

List of Publications by Year in descending order

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69
papers

3,984
citations

81900

39
h-index

118850

62
g-index

72
all docs

72
docs citations

72
times ranked

5631
citing authors

#	ARTICLE	IF	CITATIONS
1	A Versatile and Robust Microfluidic Platform Toward High Throughput Synthesis of Homogeneous Nanoparticles with Tunable Properties. <i>Advanced Materials</i> , 2015, 27, 2298-2304.	21.0	203
2	Microfluidic-assisted fabrication of carriers for controlled drug delivery. <i>Lab on A Chip</i> , 2017, 17, 1856-1883.	6.0	183
3	Electrospun Fibrous Architectures for Drug Delivery, Tissue Engineering and Cancer Therapy. <i>Advanced Functional Materials</i> , 2019, 29, 1802852.	14.9	179
4	Current developments and applications of microfluidic technology toward clinical translation of nanomedicines. <i>Advanced Drug Delivery Reviews</i> , 2018, 128, 54-83.	13.7	159
5	Multistaged Nanovaccines Based on Porous Silicon@Acetalated Dextran@Cancer Cell Membrane for Cancer Immunotherapy. <i>Advanced Materials</i> , 2017, 29, 1603239.	21.0	144
6	Co-delivery of a hydrophobic small molecule and a hydrophilic peptide by porous silicon nanoparticles. <i>Journal of Controlled Release</i> , 2013, 170, 268-278.	9.9	141
7	Fabrication of a Multifunctional Nano-in-micro Drug Delivery Platform by Microfluidic Templated Encapsulation of Porous Silicon in Polymer Matrix. <i>Advanced Materials</i> , 2014, 26, 4497-4503.	21.0	138
8	Microfluidic assisted one-step fabrication of porous silicon@acetalated dextran nanocomposites for precisely controlled combination chemotherapy. <i>Biomaterials</i> , 2015, 39, 249-259.	11.4	133
9	Tailoring Porous Silicon for Biomedical Applications: From Drug Delivery to Cancer Immunotherapy. <i>Advanced Materials</i> , 2018, 30, e1703740.	21.0	127
10	Core/Shell Nanocomposites Produced by Superfast Sequential Microfluidic Nanoprecipitation. <i>Nano Letters</i> , 2017, 17, 606-614.	9.1	123
11	Production of pure drug nanocrystals and nano co-crystals by confinement methods. <i>Advanced Drug Delivery Reviews</i> , 2018, 131, 3-21.	13.7	115
12	Microfluidic assembly of a nano-in-micro dual drug delivery platform composed of halloysite nanotubes and a pH-responsive polymer for colon cancer therapy. <i>Acta Biomaterialia</i> , 2017, 48, 238-246.	8.3	109
13	Microfluidic Assembly of Monodisperse Multistage pH-Responsive Polymer/Porous Silicon Composites for Precisely Controlled Multi-Drug Delivery. <i>Small</i> , 2014, 10, 2029-2038.	10.0	105
14	Photoluminescent Hybrids of Cellulose Nanocrystals and Carbon Quantum Dots as Cytocompatible Probes for <i>in Vitro</i> Bioimaging. <i>Biomacromolecules</i> , 2017, 18, 2045-2055.	5.4	100
15	Microfluidic Assembly of a Multifunctional Tailorable Composite System Designed for Site Specific Combined Oral Delivery of Peptide Drugs. <i>ACS Nano</i> , 2015, 9, 8291-8302.	14.6	96
16	Copper-free azide-alkyne cycloaddition of targeting peptides to porous silicon nanoparticles for intracellular drug uptake. <i>Biomaterials</i> , 2014, 35, 1257-1266.	11.4	94
17	Multifunctional Nanohybrid Based on Porous Silicon Nanoparticles, Gold Nanoparticles, and Acetalated Dextran for Liver Regeneration and Acute Liver Failure Theranostics. <i>Advanced Materials</i> , 2018, 30, e1703393.	21.0	80
18	Hierarchical structured and programmed vehicles deliver drugs locally to inflamed sites of intestine. <i>Biomaterials</i> , 2018, 185, 322-332.	11.4	73

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19	Nanostructured Porous Silicon-Solid Lipid Nanocomposite: Towards Enhanced Cytocompatibility and Stability, Reduced Cellular Association, and Prolonged Drug Release. <i>Advanced Functional Materials</i> , 2013, 23, 1893-1902.	14.9	72
20	Delivery of therapeutics with nanoparticles: what's new in cancer immunotherapy?. <i>Wiley Interdisciplinary Reviews: Nanomedicine and Nanobiotechnology</i> , 2017, 9, e1421.	6.1	72
21	A potential new therapeutic system for glaucoma: solid lipid nanoparticles containing methazolamide. <i>Journal of Microencapsulation</i> , 2011, 28, 134-141.	2.8	71
22	pH and Reactive Oxygen Species-Sequential Responsive Nano-Micro Composite for Targeted Therapy of Inflammatory Bowel Disease. <i>Advanced Functional Materials</i> , 2018, 28, 1806175.	14.9	68
23	Formulation and characterization of hydrophilic drug diclofenac sodium-loaded solid lipid nanoparticles based on phospholipid complexes technology. <i>Journal of Liposome Research</i> , 2014, 24, 17-26.	3.3	67
24	Simple Microfluidic Approach to Fabricate Monodisperse Hollow Microparticles for Multidrug Delivery. <i>ACS Applied Materials & Interfaces</i> , 2015, 7, 14822-14832.	8.0	66
25	Electrospun Polyhydroxybutyrate/Poly(μ -caprolactone)/Sol-Gel-Derived Silica Hybrid Scaffolds with Drug Releasing Function for Bone Tissue Engineering Applications. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 14540-14548.	8.0	65
26	Smart Porous Silicon Nanoparticles with Polymeric Coatings for Sequential Combination Therapy. <i>Molecular Pharmaceutics</i> , 2015, 12, 4038-4047.	4.6	63
27	Nutlin-3a and Cytokine Co-loaded Spermine-Modified Acetalated Dextran Nanoparticles for Cancer Chemo-Immunotherapy. <i>Advanced Functional Materials</i> , 2017, 27, 1703303.	14.9	61
28	Solid lipid nanoparticles for transdermal delivery of diclofenac sodium: preparation, characterization and <i>in vitro</i> studies. <i>Journal of Microencapsulation</i> , 2010, 27, 726-734.	2.8	60
29	On-Chip Self-Assembly of a Smart Hybrid Nanocomposite for Antitumoral Applications. <i>Advanced Functional Materials</i> , 2015, 25, 1488-1497.	14.9	60
30	Dual-Drug Delivery Using Dextran-Functionalized Nanoparticles Targeting Cardiac Fibroblasts for Cellular Reprogramming. <i>Advanced Functional Materials</i> , 2018, 28, 1705134.	14.9	60
31	In vivo dual-delivery of glucagon like peptide-1 (GLP-1) and dipeptidyl peptidase-4 (DPP4) inhibitor through composites prepared by microfluidics for diabetes therapy. <i>Nanoscale</i> , 2016, 8, 10706-10713.	5.6	56
32	Engineered Multifunctional Albumin-Decorated Porous Silicon Nanoparticles for FcRn Translocation of Insulin. <i>Small</i> , 2018, 14, e1800462.	10.0	53
33	Diclofenac sodium-loaded solid lipid nanoparticles prepared by emulsion/solvent evaporation method. <i>Journal of Nanoparticle Research</i> , 2011, 13, 2375-2386.	1.9	49
34	Methazolamide Calcium Phosphate Nanoparticles in an Ocular Delivery System. <i>Yakugaku Zasshi</i> , 2010, 130, 419-424.	0.2	47
35	Microfluidic Nanoassembly of Bioengineered Chitosan-Modified FcRn-Targeted Porous Silicon Nanoparticles @ Hypromellose Acetate Succinate for Oral Delivery of Antidiabetic Peptides. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 44354-44367.	8.0	47
36	Close-loop dynamic nanohybrids on collagen-ark with <i>in situ</i> gelling transformation capability for biomimetic stage-specific diabetic wound healing. <i>Materials Horizons</i> , 2019, 6, 385-393.	12.2	46

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37	Microfluidic Templated Mesoporous Silicon@Solid Lipid Microcomposites for Sustained Drug Delivery. <i>ACS Applied Materials & Interfaces</i> , 2013, 5, 12127-12134.	8.0	45
38	A Virus-Mimicking pH-Responsive Acetalated Dextran-Based Membrane-Active Polymeric Nanoparticle for Intracellular Delivery of Antitumor Therapeutics. <i>Advanced Functional Materials</i> , 2019, 29, 1905352.	14.9	43
39	A Nano-in-Nano Vector: Merging the Best of Polymeric Nanoparticles and Drug Nanocrystals. <i>Advanced Functional Materials</i> , 2017, 27, 1604508.	14.9	42
40	Acetalated Dextran Nanoparticles Loaded into an Injectable Alginate Cryogel for Combined Chemotherapy and Cancer Vaccination. <i>Advanced Functional Materials</i> , 2019, 29, 1903686.	14.9	41
41	Biodegradable Photothermal and pH Responsive Calcium Carbonate@Phospholipid@Acetalated Dextran Hybrid Platform for Advancing Biomedical Applications. <i>Advanced Functional Materials</i> , 2016, 26, 6158-6169.	14.9	40
42	High drug-loaded microspheres enabled by controlled in-droplet precipitation promote functional recovery after spinal cord injury. <i>Nature Communications</i> , 2022, 13, 1262.	12.8	39
43	Microfluidic Encapsulation of Prickly Zinc-Doped Copper Oxide Nanoparticles with VD1142 Modified Spermine Acetalated Dextran for Efficient Cancer Therapy. <i>Advanced Healthcare Materials</i> , 2017, 6, 1601406.	7.6	38
44	Biodegradable Spheres Protect Traumatically Injured Spinal Cord by Alleviating the Glutamate-Induced Excitotoxicity. <i>Advanced Materials</i> , 2018, 30, e1706032.	21.0	38
45	Platelet Lysate-Modified Porous Silicon Microparticles for Enhanced Cell Proliferation in Wound Healing Applications. <i>ACS Applied Materials & Interfaces</i> , 2016, 8, 988-996.	8.0	33
46	An In Situ Gelling Drug Delivery System for Improved Recovery after Spinal Cord Injury. <i>Advanced Healthcare Materials</i> , 2016, 5, 1513-1521.	7.6	31
47	The Influence of Cosolvent on the Complexation of HP- β -cyclodextrins with Oleanolic Acid and Ursolic Acid. <i>AAPS PharmSciTech</i> , 2009, 10, 1137-44.	3.3	27
48	<i>In Vivo</i> Evaluation of Porous Silicon and Porous Silicon Solid Lipid Nanocomposites for Passive Targeting and Imaging. <i>Molecular Pharmaceutics</i> , 2014, 11, 2876-2886.	4.6	27
49	Impact of Pore Size and Surface Chemistry of Porous Silicon Particles and Structure of Phospholipids on Their Interactions. <i>ACS Biomaterials Science and Engineering</i> , 2018, 4, 2308-2313.	5.2	21
50	Polydopamine-Decorated Microcomposites Promote Functional Recovery of an Injured Spinal Cord by Inhibiting Neuroinflammation. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 47341-47353.	8.0	18
51	Manipulating Superparamagnetic Microparticles with an Electromagnetic Needle. <i>Advanced Materials Technologies</i> , 2018, 3, 1700177.	5.8	16
52	Superfast and controllable microfluidic inking of anti-inflammatory melanin-like nanoparticles inspired by cephalopods. <i>Materials Horizons</i> , 2020, 7, 1573-1580.	12.2	16
53	Intracellular Delivery of Budesonide and Polydopamine Co-Loaded in Endosomolytic Poly(butyl) Tj ETQq1 1 0.784314 rgBT /Overlock from M1 to M2. <i>Advanced Therapeutics</i> , 2021, 4, 2000058.	3.2	13
54	Neutrophil Cyto-Pharmaceuticals Suppressing Tumor Metastasis via Inhibiting Hypoxia-Inducible Factor-1 in Circulating Breast Cancer Cells. <i>Advanced Healthcare Materials</i> , 2022, 11, e2101761.	7.6	13

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55	The impact of porous silicon nanoparticles on human cytochrome P450 metabolism in human liver microsomes in vitro. <i>European Journal of Pharmaceutical Sciences</i> , 2017, 104, 124-132.	4.0	11
56	Microfluidic mixing and devices for preparing nanoparticulate drug delivery systems. , 2019, , 155-177.		7
57	Inhibiting Phase Transfer of Protein Nanoparticles by Surface Camouflage—A Versatile and Efficient Protein Encapsulation Strategy. <i>Nano Letters</i> , 2021, 21, 9458-9467.	9.1	7
58	The effects of water-soluble polymers on hydroxypropyl- β -cyclodextrin solubilization of oleanolic acid and ursolic acid. <i>Journal of Inclusion Phenomena and Macrocyclic Chemistry</i> , 2009, 63, 181-188.	1.6	6
59	Prediction of drug capturing by lipid emulsions in vivo for the treatment of a drug overdose. <i>Journal of Controlled Release</i> , 2022, 346, 148-157.	9.9	6
60	Sequential Antifouling Surface for Efficient Modulation of the Nanoparticle–Cell Interactions in Protein-Rich Environments. <i>Advanced Therapeutics</i> , 2018, 1, 1800013.	3.2	5
61	Nanohybrids: Multifunctional Nanohybrid Based on Porous Silicon Nanoparticles, Gold Nanoparticles, and Acetalated Dextran for Liver Regeneration and Acute Liver Failure Theranostics (<i>Adv. Mater.</i> 24/2018). <i>Advanced Materials</i> , 2018, 30, 1870168.	21.0	4
62	Biocompatibility of porous silicon for biomedical applications. , 2014, , 129-181.		3
63	Drug Delivery: On-Chip Self-Assembly of a Smart Hybrid Nanocomposite for Antitumoral Applications (<i>Adv. Funct. Mater.</i> 10/2015). <i>Advanced Functional Materials</i> , 2015, 25, 1612-1612.	14.9	2
64	Drug Delivery: A Nano-in-Nano Vector: Merging the Best of Polymeric Nanoparticles and Drug Nanocrystals (<i>Adv. Funct. Mater.</i> 9/2017). <i>Advanced Functional Materials</i> , 2017, 27, .	14.9	1
65	Antitumor Therapeutics: A Virus-Mimicking pH-Responsive Acetalated Dextran-Based Membrane-Active Polymeric Nanoparticle for Intracellular Delivery of Antitumor Therapeutics (<i>Adv. Funct. Mater.</i>) Tj ETQq1 1 0.784314.gbt /Overlock 10	14.9	0
66	Drug Co-Delivery: Biodegradable Photothermal and pH Responsive Calcium Carbonate@Phospholipid@Acetalated Dextran Hybrid Platform for Advancing Biomedical Applications (<i>Adv. Funct. Mater.</i> 34/2016). <i>Advanced Functional Materials</i> , 2016, 26, 6138-6138.	14.9	0
67	Nanovaccines: Multistaged Nanovaccines Based on Porous Silicon@Acetalated Dextran@Cancer Cell Membrane for Cancer Immunotherapy (<i>Adv. Mater.</i> 7/2017). <i>Advanced Materials</i> , 2017, 29, .	21.0	0
68	Inside Cover Image, Volume 9, Issue 1. <i>Wiley Interdisciplinary Reviews: Nanomedicine and Nanobiotechnology</i> , 2017, 9, e1459.	6.1	0
69	Neuroprotection: Biodegradable Spheres Protect Traumatically Injured Spinal Cord by Alleviating the Glutamate-Induced Excitotoxicity (<i>Adv. Mater.</i> 14/2018). <i>Advanced Materials</i> , 2018, 30, 1870095.	21.0	0