

Xiuling Lu

List of Publications by Year in descending order

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59
papers

1,509
citations

279798

23
h-index

330143

37
g-index

61
all docs

61
docs citations

61
times ranked

2620
citing authors

#	ARTICLE	IF	CITATIONS
1	PEGylation of Nanocarrier Drug Delivery Systems: State of the Art. <i>Journal of Biomedical Nanotechnology</i> , 2008, 4, 133-148.	1.1	169
2	Quercetin-Containing Self-Nanoemulsifying Drug Delivery System for Improving Oral Bioavailability. <i>Journal of Pharmaceutical Sciences</i> , 2014, 103, 840-852.	3.3	145
3	Overcoming Wnt β -catenin dependent anticancer therapy resistance in leukaemia stem cells. <i>Nature Cell Biology</i> , 2020, 22, 689-700.	10.3	89
4	Long Circulating Self-Assembled Nanoparticles from Cholesterol-Containing Brush-Like Block Copolymers for Improved Drug Delivery to Tumors. <i>Biomacromolecules</i> , 2014, 15, 4363-4375.	5.4	68
5	Neutron-Activatable Holmium-Containing Mesoporous Silica Nanoparticles as a Potential Radionuclide Therapeutic Agent for Ovarian Cancer. <i>Journal of Nuclear Medicine</i> , 2013, 54, 111-116.	5.0	66
6	Particle Margination and Its Implications on Intravenous Anticancer Drug Delivery. <i>AAPS PharmSciTech</i> , 2014, 15, 762-771.	3.3	64
7	Improving paclitaxel pharmacokinetics by using tumor-specific mesoporous silica nanoparticles with intraperitoneal delivery. <i>Nanomedicine: Nanotechnology, Biology, and Medicine</i> , 2016, 12, 1951-1959.	3.3	51
8	Self-healing of thermally-induced, biocompatible and biodegradable protein hydrogel. <i>RSC Advances</i> , 2016, 6, 56183-56192.	3.6	43
9	Optimization of the lyophilization process for long-term stability of solid ω lipid nanoparticles. <i>Drug Development and Industrial Pharmacy</i> , 2012, 38, 1270-1279.	2.0	40
10	Toward Long-Term Accurate and Continuous Monitoring of Nitrate in Wastewater Using Poly(tetrafluoroethylene) (PTFE) ω Solid-State Ion-Selective Electrodes (S-ISEs). <i>ACS Sensors</i> , 2020, 5, 3182-3193.	7.8	39
11	Nanoparticles Containing Anti-inflammatory Agents as Chemotherapy Adjuvants: Optimization and In Vitro Characterization. <i>AAPS Journal</i> , 2008, 10, 133-140.	4.4	37
12	Solid Lipid Nanoparticles for Topical Administration of <i>Kaempferia Parviflora</i> Extracts. <i>Journal of Biomedical Nanotechnology</i> , 2009, 5, 224-232.	1.1	37
13	Self-assembled nanoparticles from thiol functionalized liquid crystalline brush block copolymers for dual encapsulation of doxorubicin and gold nanoparticles. <i>Polymer Chemistry</i> , 2014, 5, 2774-2783.	3.9	34
14	Elucidating organ-specific metabolic toxicity chemistry from electrochemiluminescent enzyme/DNA arrays and bioreactor bead-LC-MS/MS. <i>Chemical Science</i> , 2015, 6, 2457-2468.	7.4	30
15	Redox Potential and ROS-Mediated Nanomedicines for Improving Cancer Therapy. <i>Antioxidants and Redox Signaling</i> , 2019, 30, 747-761.	5.4	30
16	Impact of formulation on the quality and stability of freeze-dried nanoparticles. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2021, 169, 256-267.	4.3	30
17	Redox-sensitive nanoparticles from amphiphilic cholesterol-based block copolymers for enhanced tumor intracellular release of doxorubicin. <i>Nanomedicine: Nanotechnology, Biology, and Medicine</i> , 2015, 11, 2071-2082.	3.3	28
18	Overcoming hypoxia-induced chemoresistance to cisplatin through tumor oxygenation monitored by optical imaging. <i>Nanotheranostics</i> , 2019, 3, 223-235.	5.2	28

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19	Evaluation of dermal tissue regeneration using resveratrol loaded fibrous matrix in a preclinical mouse model of full-thickness ischemic wound. <i>International Journal of Pharmaceutics</i> , 2019, 558, 177-186.	5.2	27
20	Nanoparticles Containing Anti-inflammatory Agents as Chemotherapy Adjuvants II: Role of Plasma Esterases in Drug Release. <i>AAPS Journal</i> , 2009, 11, 120-122.	4.4	26
21	Polyethylene glycol increases purification and recovery, alters retention behavior in flow-through chromatography of hemoglobin. <i>Journal of Chromatography A</i> , 2004, 1059, 233-237.	3.7	25
22	Reduced in vivo toxicity of doxorubicin by encapsulation in cholesterol-containing self-assembled nanoparticles. <i>Pharmacological Research</i> , 2016, 107, 93-101.	7.1	25
23	Uniformity of Drug Payload and Its Effect on Stability of Solid Lipid Nanoparticles Containing an Ester Prodrug. <i>ACS Nano</i> , 2011, 5, 209-216.	14.6	24
24	Applications of Nanoparticle-Antibody Conjugates in Immunoassays and Tumor Imaging. <i>AAPS Journal</i> , 2021, 23, 43.	4.4	24
25	Tumor accumulation of neutron-activatable holmium-containing mesoporous silica nanoparticles in an orthotopic non-small cell lung cancer mouse model. <i>Inorganica Chimica Acta</i> , 2012, 393, 334-336.	2.4	21
26	Purification of Hemoglobin by Ion Exchange Chromatography in Flow-Through Mode with PEG as an Escort. <i>Artificial Cells, Blood Substitutes, and Biotechnology</i> , 2004, 32, 209-227.	0.9	20
27	Nanotemplate-Engineered Nanoparticles Containing Gadolinium for Magnetic Resonance Imaging of Tumors. <i>Investigative Radiology</i> , 2008, 43, 129-140.	6.2	19
28	In-situ formation of holmium oxide in pores of Mesoporous Carbon Nanoparticles as substrates for neutron-activatable radiotherapeutics. <i>Carbon</i> , 2017, 117, 92-99.	10.3	19
29	Physicochemical Characterization of Nanotemplate Engineered Solid Lipid Nanoparticles. <i>Langmuir</i> , 2011, 27, 1964-1971.	3.5	17
30	Preparation of Neutron-Activatable Holmium Nanoparticles for the Treatment of Ovarian Cancer Metastases. <i>Small</i> , 2012, 8, 997-1000.	10.0	17
31	Fluorescent, Bioactive Protein Nanoparticles (Prodots) for Rapid, Improved Cellular Uptake. <i>Bioconjugate Chemistry</i> , 2015, 26, 396-404.	3.6	17
32	Influence of Manufacturing Process Variables on the Properties of Ophthalmic Ointments of Tobramycin. <i>Pharmaceutical Research</i> , 2018, 35, 179.	3.5	17
33	Genetically Engineered Bacterial Outer Membrane Vesicles with Expressed Nanoluciferase Reporter for <i>In Vivo</i> Bioluminescence Kinetic Modeling through Noninvasive Imaging. <i>ACS Applied Bio Materials</i> , 2019, 2, 5608-5615.	4.6	15
34	Preparation, characterization and application of a protein hydrogel with rapid self-healing and unique autofluorescent multi-functionalities. <i>Journal of Biomedical Materials Research - Part A</i> , 2019, 107, 81-91.	4.0	15
35	Tumor-mesoporous silica nanoparticle interactions following intraperitoneal delivery for targeting peritoneal metastasis. <i>Journal of Controlled Release</i> , 2020, 328, 846-858.	9.9	15
36	Solid Phase Pegylation of Hemoglobin. <i>Artificial Cells, Blood Substitutes, and Biotechnology</i> , 2009, 37, 147-155.	0.9	13

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37	High Payload Dual Therapeutic Imaging Nanocarriers for Triggered Tumor Delivery. <i>Small</i> , 2012, 8, 2895-2903.	10.0	13
38	Novel green and red autofluorescent protein nanoparticles for cell imaging and in vivo biodegradation imaging and modeling. <i>RSC Advances</i> , 2016, 6, 50091-50099.	3.6	12
39	Codelivery of Paclitaxel and Parthenolide in Discoidal Bicelles for a Synergistic Anticancer Effect: Structure Matters. <i>Advanced NanoBiomed Research</i> , 2022, 2, 2100080.	3.6	12
40	ESC-derived thymic epithelial cells expressing MOG prevents EAE by central and peripheral tolerance mechanisms. <i>Cellular Immunology</i> , 2017, 322, 84-91.	3.0	11
41	Impact of Porous Excipients on the Manufacturability and Product Performance of Solid Self-Emulsifying Drug Delivery Systems. <i>AAPS PharmSciTech</i> , 2018, 19, 3298-3310.	3.3	10
42	Carboxylesterase-Triggered Hydrolysis of Nanoparticle PEGylating Agents. <i>Langmuir</i> , 2012, 28, 12030-12037.	3.5	9
43	Protein Microspheres with Unique Green and Red Autofluorescence for Noninvasively Tracking and Modeling Their in Vivo Biodegradation. <i>ACS Biomaterials Science and Engineering</i> , 2016, 2, 954-962.	5.2	9
44	Engineering Multifunctional Gold Decorated Dendritic Mesoporous Silica/Tantalum Oxide Nanoparticles for Intraperitoneal Tumor Specific Delivery. <i>Particle and Particle Systems Characterization</i> , 2019, 36, 1900058.	2.3	6
45	Sublingual indocyanine green films for non-invasive swallowing assessment and inflammation detection through NIR/SWIR optical imaging. <i>Scientific Reports</i> , 2020, 10, 14003.	3.3	6
46	Influence of the method of preparation on the characteristics and performance of cholesterol-based polymeric nanoparticles for redox-triggered release of doxorubicin in tumor cells. <i>International Journal of Pharmaceutics</i> , 2019, 571, 118701.	5.2	5
47	Recombinant IL-7/HGF^2 hybrid cytokine separates acute graft-versus-host disease from graft-versus-tumour activity by altering donor T cell trafficking. <i>British Journal of Haematology</i> , 2016, 175, 505-516.	2.5	4
48	Influence of in vitro release methods on assessment of tobramycin ophthalmic ointments. <i>International Journal of Pharmaceutics</i> , 2020, 590, 119938.	5.2	4
49	Impact of Membranes on In Vitro Release Assessment: a Case Study Using Dexamethasone. <i>AAPS PharmSciTech</i> , 2021, 22, 42.	3.3	4
50	Stabilization and X-ray Attenuation of PEGylated Cholesterol/Polycaprolactone-Based Perfluorooctyl Bromide Nanocapsules for CT Imaging. <i>AAPS PharmSciTech</i> , 2021, 22, 90.	3.3	4
51	Neutron-Activatable Nanoparticles for Intraperitoneal Radiation Therapy. <i>Methods in Molecular Biology</i> , 2017, 1530, 379-389.	0.9	3
52	LC-MS/MS method for simultaneous quantification of dexamethasone and tobramycin in rabbit ocular biofluids. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2021, 1170, 122610.	2.3	3
53	Stealth oxime ether lipid vesicles promote delivery of functional DsiRNA in human lung cancer A549 tumor bearing mouse xenografts. <i>Nanomedicine: Nanotechnology, Biology, and Medicine</i> , 2022, 44, 102572.	3.3	3
54	Chemoresistant Leukemia-Initiating Cell Expansion Is Inhibited By Targeting Oncogenic Self-Renewal. <i>Blood</i> , 2015, 126, 1860-1860.	1.4	2

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55	Advances and clinical challenges in biomaterials for in vivo tumor imaging. , 2020, , 291-329.		1
56	National Institute for Pharmaceutical Technology & Education (NIPTE) Research and Perspective: Advances in Nanotechnology-Based Drug Delivery. AAPS PharmSciTech, 2021, 22, 152.	3.3	1
57	Imaging Tumor Heterogeneity and the Variations in Nanoparticle Accumulation using Perfluorooctyl Bromide Nanocapsule X-ray Computed Tomography Contrast. Advanced Therapeutics, 0, , 2200047.	3.2	1
58	Neutron-activatable needles for radionuclide therapy of solid tumors. Journal of Biomedical Materials Research - Part A, 2017, 105, 3273-3280.	4.0	0
59	Nanoparticle-Mediated Inhibition of Acute Leukemic Stem Cells. FASEB Journal, 2019, 33, 674.13.	0.5	0