

# Huanli Sun

## List of Publications by Year in descending order

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Version: 2024-02-01

51  
papers

3,089  
citations

159358

30  
h-index

182168

51  
g-index

55  
all docs

55  
docs citations

55  
times ranked

4412  
citing authors

#	ARTICLE	IF	CITATIONS
1	Biodegradable micelles with sheddable poly(ethylene glycol) shells for triggered intracellular release of doxorubicin. <i>Biomaterials</i> , 2009, 30, 6358-6366.	5.7	414
2	Shell-Sheddable Micelles Based on Dextran-SS-Poly( $\hat{\mu}$ -caprolactone) Diblock Copolymer for Efficient Intracellular Release of Doxorubicin. <i>Biomacromolecules</i> , 2010, 11, 848-854.	2.6	303
3	pH-Responsive Capsules Engineered from Metal-Phenolic Networks for Anticancer Drug Delivery. <i>Small</i> , 2015, 11, 2032-2036.	5.2	216
4	$\hat{\pm}$ -Amino Acid Containing Degradable Polymers as Functional Biomaterials: Rational Design, Synthetic Pathway, and Biomedical Applications. <i>Biomacromolecules</i> , 2011, 12, 1937-1955.	2.6	182
5	Ligand-Directed Reduction-Sensitive Shell-Sheddable Biodegradable Micelles Actively Deliver Doxorubicin into the Nuclei of Target Cancer Cells. <i>Biomacromolecules</i> , 2013, 14, 3723-3730.	2.6	116
6	The role of capsule stiffness on cellular processing. <i>Chemical Science</i> , 2015, 6, 3505-3514.	3.7	109
7	Targeted glioma chemotherapy by cyclic RGD peptide-functionalized reversibly core-crosslinked multifunctional poly(ethylene glycol)-b-poly( $\hat{\mu}$ -caprolactone) micelles. <i>Acta Biomaterialia</i> , 2017, 50, 396-406.	4.1	97
8	Reduction-sensitive polymeric nanomedicines: An emerging multifunctional platform for targeted cancer therapy. <i>Advanced Drug Delivery Reviews</i> , 2018, 132, 16-32.	6.6	92
9	Engineered Metal-Phenolic Capsules Show Tunable Targeted Delivery to Cancer Cells. <i>Biomacromolecules</i> , 2016, 17, 2268-2276.	2.6	89
10	Hyaluronic acid coated PLGA nanoparticulate docetaxel effectively targets and suppresses orthotopic human lung cancer. <i>Journal of Controlled Release</i> , 2017, 259, 76-82.	4.8	84
11	Reduction and pH dual-bioresponsive crosslinked polymersomes for efficient intracellular delivery of proteins and potent induction of cancer cell apoptosis. <i>Acta Biomaterialia</i> , 2014, 10, 2159-2168.	4.1	75
12	cRGD-decorated biodegradable polytyrosine nanoparticles for robust encapsulation and targeted delivery of doxorubicin to colorectal cancer in vivo. <i>Journal of Controlled Release</i> , 2019, 301, 110-118.	4.8	75
13	Reduction-sensitive degradable micellar nanoparticles as smart and intuitive delivery systems for cancer chemotherapy. <i>Expert Opinion on Drug Delivery</i> , 2013, 10, 1109-1122.	2.4	68
14	Precise control of intracellular drug release and anti-tumor activity of biodegradable micellar drugs via reduction-sensitive shell-shedding. <i>Soft Matter</i> , 2012, 8, 3949.	1.2	67
15	Galactose-Decorated Reduction-Sensitive Degradable Chimaeric Polymersomes as a Multifunctional Nanocarrier To Efficiently Chaperone Apoptotic Proteins into Hepatoma Cells. <i>Biomacromolecules</i> , 2013, 14, 2873-2882.	2.6	65
16	Reduction-Responsive Polymeric Micelles and Vesicles for Triggered Intracellular Drug Release. <i>Antioxidants and Redox Signaling</i> , 2014, 21, 755-767.	2.5	64
17	Peptide-decorated polymeric nanomedicines for precision cancer therapy. <i>Journal of Controlled Release</i> , 2018, 290, 11-27.	4.8	63
18	Boronate-Phenolic Network Capsules with Dual Response to Acidic pH and $\hat{\mu}$ -Diols. <i>Advanced Healthcare Materials</i> , 2015, 4, 1796-1801.	3.9	60

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19	Enzymatically and Reductively Degradable $\alpha$ -Amino Acid-Based Poly(ester amide)s: Synthesis, Cell Compatibility, and Intracellular Anticancer Drug Delivery. <i>Biomacromolecules</i> , 2015, 16, 597-605.	2.6	51
20	Polytyrosine nanoparticles enable ultra-high loading of doxorubicin and rapid enzyme-responsive drug release. <i>Biomaterials Science</i> , 2018, 6, 1526-1534.	2.6	51
21	Glutathione-Sensitive Hyaluronic Acid-Mercaptopurine Prodrug Linked via Carbonyl Vinyl Sulfide: A Robust and CD44-Targeted Nanomedicine for Leukemia. <i>Biomacromolecules</i> , 2017, 18, 3207-3214.	2.6	50
22	Hyaluronic Acid-Shelled Disulfide-Cross-Linked Nanopolymersomes for Ultrahigh-Efficiency Reactive Encapsulation and CD44-Targeted Delivery of Mertansine Toxin. <i>ACS Applied Materials &amp; Interfaces</i> , 2018, 10, 1597-1604.	4.0	45
23	Targeting Ability of Affibody-Functionalized Particles Is Enhanced by Albumin but Inhibited by Serum Coronas. <i>ACS Macro Letters</i> , 2015, 4, 1259-1263.	2.3	44
24	Lipopepsomes: A novel and robust family of nano-vesicles capable of highly efficient encapsulation and tumor-targeted delivery of doxorubicin hydrochloride in vivo. <i>Journal of Controlled Release</i> , 2018, 272, 107-113.	4.8	43
25	Construction of Small-Sized, Robust, and Reduction-Responsive Polypeptide Micelles for High Loading and Targeted Delivery of Chemotherapeutics. <i>Biomacromolecules</i> , 2018, 19, 3586-3593.	2.6	37
26	Smart Polymersomes Dually Functionalized with cRGD and Fusogenic GALA Peptides Enable Specific and High-Efficiency Cytosolic Delivery of Apoptotic Proteins. <i>Biomacromolecules</i> , 2019, 20, 184-191.	2.6	37
27	Small-Sized and Robust Chimaeric Lipopepsomes: A Simple and Functional Platform with High Protein Loading for Targeted Intracellular Delivery of Protein Toxin in Vivo. <i>Chemistry of Materials</i> , 2018, 30, 6831-6838.	3.2	35
28	Biodegradable Micelles Based on Poly(ethylene glycol)-b-polylipopeptide Copolymer: A Robust and Versatile Nanoplatform for Anticancer Drug Delivery. <i>ACS Applied Materials &amp; Interfaces</i> , 2017, 9, 27587-27595.	4.0	34
29	Analysing intracellular deformation of polymer capsules using structured illumination microscopy. <i>Nanoscale</i> , 2016, 8, 11924-11931.	2.8	33
30	100th Anniversary of Macromolecular Science Viewpoint: Biological Stimuli-Sensitive Polymer Prodrugs and Nanoparticles for Tumor-Specific Drug Delivery. <i>ACS Macro Letters</i> , 2020, 9, 1292-1302.	2.3	31
31	Structure Governs the Deformability of Polymer Particles in a Microfluidic Blood Capillary Model. <i>ACS Macro Letters</i> , 2015, 4, 1205-1209.	2.3	28
32	Cancer Nanomedicines Based on Synthetic Polypeptides. <i>Biomacromolecules</i> , 2019, 20, 4299-4311.	2.6	27
33	$\alpha$ 5 $\beta$ 1 Integrin-targeted reduction-sensitive micellar mertansine prodrug: Superb drug loading, enhanced stability, and effective inhibition of melanoma growth in vivo. <i>Journal of Controlled Release</i> , 2017, 259, 176-186.	4.8	26
34	Daratumumab Immunopolymersomes Enabled Safe and CD38-Targeted Chemotherapy and Depletion of Multiple Myeloma. <i>Advanced Materials</i> , 2021, 33, e2007787.	11.1	25
35	Dually Active Targeting Nanomedicines Based on a Direct Conjugate of Two Purely Natural Ligands for Potent Chemotherapy of Ovarian Tumors. <i>ACS Applied Materials &amp; Interfaces</i> , 2019, 11, 46548-46557.	4.0	24
36	cRGD-installed docetaxel-loaded mertansine prodrug micelles: redox-triggered ratiometric dual drug release and targeted synergistic treatment of B16F10 melanoma. <i>Nanotechnology</i> , 2017, 28, 295103.	1.3	24

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37	CD44-Targeted Multifunctional Nanomedicines Based on a Single-Component Hyaluronic Acid Conjugate with All-Natural Precursors: Construction and Treatment of Metastatic Breast Tumors <i>in Vivo</i> . <i>Biomacromolecules</i> , 2020, 21, 104-113.	2.6	23
38	Reductively degradable $\alpha$ -amino acid-based poly(ester amide)-graft-galactose copolymers: facile synthesis, self-assembly, and hepatoma-targeting doxorubicin delivery. <i>Biomaterials Science</i> , 2015, 3, 1134-1146.	2.6	22
39	Tuning the Properties of Polymer Capsules for Cellular Interactions. <i>Bioconjugate Chemistry</i> , 2017, 28, 1859-1866.	1.8	20
40	An intelligent cell-selective polymersome-DM1 nanotoxin toward triple negative breast cancer. <i>Journal of Controlled Release</i> , 2021, 340, 331-341.	4.8	19
41	Templated Polymer Replica Nanoparticles to Facilitate Assessment of Material-Dependent Pharmacokinetics and Biodistribution. <i>ACS Applied Materials &amp; Interfaces</i> , 2017, 9, 33683-33694.	4.0	18
42	Cellular Targeting of Bispecific Antibody-Functionalized Poly(ethylene glycol) Capsules: Do Shape and Size Matter?. <i>ACS Applied Materials &amp; Interfaces</i> , 2019, 11, 28720-28731.	4.0	18
43	Cyclic RGD-Peptide-Functionalized Polylipopeptide Micelles for Enhanced Loading and Targeted Delivery of Monomethyl Auristatin E. <i>Molecular Pharmaceutics</i> , 2018, 15, 4854-4861.	2.3	16
44	Integrated Multifunctional Micelles Co-Assembled from Polypeptides Conjugated with Natural Ferulic Acid and Lipoic Acid for Doxorubicin Delivery. <i>ChemPhysChem</i> , 2018, 19, 2070-2077.	1.0	14
45	Self-assembly of paramagnetic amphiphilic copolymers for synergistic therapy. <i>Journal of Materials Chemistry B</i> , 2020, 8, 6866-6876.	2.9	14
46	HER2-Specific Reduction-Sensitive Immunopolymersomes with High Loading of Epirubicin for Targeted Treatment of Ovarian Tumor. <i>Biomacromolecules</i> , 2019, 20, 3855-3863.	2.6	13
47	Cetuximab-“Polymersome”-Mertansine Nanodrug for Potent and Targeted Therapy of EGFR-Positive Cancers. <i>Biomacromolecules</i> , 2022, 23, 100-111.	2.6	12
48	Polymers from Nature and for Nature. <i>Biomacromolecules</i> , 2018, 19, 1697-1700.	2.6	11
49	Biomacromolecules for Emerging Biological and Medical Science and Technology. <i>Biomacromolecules</i> , 2019, 20, 4241-4242.	2.6	2
50	CD38-Directed Vincristine Nanotherapy for Acute Lymphoblastic Leukemia. <i>Biomacromolecules</i> , 2022, 23, 377-387.	2.6	2
51	Reduction-responsive shell-sheddable biodegradable micelles for intracellular doxorubicin delivery. <i>Journal of Controlled Release</i> , 2011, 152, e84-e85.	4.8	1