Li-Min Zhu

List of Publications by Year
in descending order

75 papers	3,305 citations	101496 36 h-index	155592 55 g-index
76 all docs	76 docs citations	76 times ranked	4684 citing authors

#	Article	IF	Citations
1	Carboxymethyl chitosan-mediated synthesis of hyaluronic acid-targeted graphene oxide for cancer drug delivery. Carbohydrate Polymers, 2016, 135, 72-78.	5.1	144
2	Electrospun gelatin nanofibers loaded with vitamins A and E as antibacterial wound dressing materials. RSC Advances, 2016, 6, 50267-50277.	1.7	127
3	Platelet-membrane-biomimetic nanoparticles for targeted antitumor drug delivery. Journal of Nanobiotechnology, 2019, 17, 60.	4.2	122
4	Lactobionic acid and carboxymethyl chitosan functionalized graphene oxide nanocomposites as targeted anticancer drug delivery systems. Carbohydrate Polymers, 2016, 151, 812-820.	5.1	114
5	Thermosensitive nanofibers loaded with ciprofloxacin as antibacterial wound dressing materials. International Journal of Pharmaceutics, 2017, 517, 135-147.	2.6	96
6	Platelet membrane biomimetic bufalin-loaded hollow MnO2 nanoparticles for MRI-guided chemo-chemodynamic combined therapy of cancer. Chemical Engineering Journal, 2020, 382, 122848.	6.6	94
7	Electrospun Poly(N-isopropylacrylamide)/Ethyl Cellulose Nanofibers as Thermoresponsive Drug Delivery Systems. Journal of Pharmaceutical Sciences, 2016, 105, 1104-1112.	1.6	87
8	Functionalized MoS2 nanosheet-capped periodic mesoporous organosilicas as a multifunctional platform for synergistic targeted chemo-photothermal therapy. Chemical Engineering Journal, 2018, 342, 90-102.	6.6	82
9	Functionalized MoS2-nanosheets for targeted drug delivery and chemo-photothermal therapy. Colloids and Surfaces B: Biointerfaces, 2019, 173, 101-108.	2.5	82
10	Electrospinning for healthcare: recent advancements. Journal of Materials Chemistry B, 2021, 9, 939-951.	2.9	81
11	Solid dispersions in the form of electrospun core-sheath nanofibers. International Journal of Nanomedicine, 2011, 6, 3271.	3.3	80
12	Chemodrug-Gated Biodegradable Hollow Mesoporous Organosilica Nanotheranostics for Multimodal Imaging-Guided Low-Temperature Photothermal Therapy/Chemotherapy of Cancer. ACS Applied Materials & Interfaces, 2018, 10, 42115-42126.	4.0	80
13	Regenerated chitin fibers reinforced with bacterial cellulose nanocrystals as suture biomaterials. Carbohydrate Polymers, 2018, 180, 304-313.	5.1	79
14	Time-engineeringed biphasic drug release by electrospun nanofiber meshes. International Journal of Pharmaceutics, 2012, 436, 88-96.	2.6	78
15	Ultrafine ibuprofenâ€loaded polyvinylpyrrolidone fiber mats using electrospinning. Polymer International, 2009, 58, 1010-1013.	1.6	74
16	Targeted delivery and controlled release of doxorubicin into cancer cells using a multifunctional graphene oxide. Materials Science and Engineering C, 2016, 59, 652-660.	3.8	72
17	A Multifunctional Biodegradable Nanocomposite for Cancer Theranostics. Advanced Science, 2019, 6, 1802001.	5.6	72
18	Biodegradable, pH-Sensitive Hollow Mesoporous Organosilica Nanoparticle (HMON) with Controlled Release of Pirfenidone and Ultrasound-Target-Microbubble-Destruction (UTMD) for Pancreatic Cancer Treatment. Theranostics, 2019, 9, 6002-6018.	4.6	61

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19	A novel chitosan-based nanomedicine for multi-drug resistant breast cancer therapy. Chemical Engineering Journal, 2019, 369, 134-149.	6.6	61
20	A chitosan-based cascade-responsive drug delivery system for triple-negative breast cancer therapy. Journal of Nanobiotechnology, 2019, 17, 95.	4.2	58
21	Hollow Mesoporous Silica Nanoparticles Gated by Chitosan-Copper Sulfide Composites as Theranostic Agents for the Treatment of BreastÂCancer. Acta Biomaterialia, 2021, 126, 408-420.	4.1	57
22	Elaboration, characterization and study of a novel affinity membrane made from electrospun hybrid chitosan/nylon-6 nanofibers for papain purification. Journal of Materials Science, 2010, 45, 2296-2304.	1.7	55
23	Tunable drug release from blend poly(vinyl pyrrolidone)-ethyl cellulose nanofibers. International Journal of Pharmaceutics, 2019, 562, 172-179.	2.6	54
24	Poly(N-isopropylacrylamide)/poly(l-lactic acid-co-É›-caprolactone) fibers loaded with ciprofloxacin as wound dressing materials. Materials Science and Engineering C, 2017, 79, 245-254.	3.8	53
25	Pluronic F127-based micelles for tumor-targeted bufalin delivery. International Journal of Pharmaceutics, 2019, 559, 289-298.	2.6	51
26	Biomineralized Bimetallic Oxide Nanotheranostics for Multimodal Imaging-Guided Combination Therapy. Theranostics, 2020, 10, 841-855.	4.6	50
27	Insulin-loaded PLGA microspheres for glucose-responsive release. Drug Delivery, 2017, 24, 1513-1525.	2.5	49
28	The effect of collection substrate on electrospun ciprofloxacin-loaded poly(vinylpyrrolidone) and ethyl cellulose nanofibers as potential wound dressing materials. Materials Science and Engineering C, 2019, 104, 109917.	3.8	49
29	Functionalized boron nanosheets as an intelligent nanoplatform for synergistic low-temperature photothermal therapy and chemotherapy. Nanoscale, 2020, 12, 14739-14750.	2.8	49
30	Controlled release from thermo-sensitive PNVCL- co -MAA electrospun nanofibers: The effects of hydrophilicity/hydrophobicity of a drug. Materials Science and Engineering C, 2016, 67, 581-589.	3.8	48
31	Molecularly imprinted polymer based on MWCNT-QDs as fluorescent biomimetic sensor for specific recognition of target protein. Materials Science and Engineering C, 2015, 48, 469-479.	3.8	46
32	Dual-responsive nanoparticles based on chitosan for enhanced breast cancer therapy. Carbohydrate Polymers, 2019, 221, 84-93.	5.1	45
33	Dual temperature and pH responsive nanofiber formulations prepared by electrospinning. Colloids and Surfaces B: Biointerfaces, 2018, 171, 142-149.	2.5	44
34	Peptide functionalized dual-responsive chitosan nanoparticles for controlled drug delivery to breast cancer cells. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2019, 564, 122-130.	2.3	44
35	Preparation and characterization of a novel sodium alginate incorporated self-assembled Fmoc-FF composite hydrogel. Materials Science and Engineering C, 2016, 58, 478-486.	3.8	43
36	A thermosensitive drug delivery system prepared by blend electrospinning. Colloids and Surfaces B: Biointerfaces, 2017, 159, 277-283.	2.5	37

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37	A multifunctional nanoplatform based on MoS2-nanosheets for targeted drug delivery and chemo-photothermal therapy. Colloids and Surfaces B: Biointerfaces, 2020, 185, 110585.	2.5	37
38	Study of sustained release drug-loaded nanofibers of cellulose acetate and ethyl cellulose polymer blends prepared by electrospinning and their in-vitro drug release profiles. Journal of Polymer Research, 2014, 21, 1.	1.2	35
39	Dual-responsive molybdenum disulfide/copper sulfide-based delivery systems for enhanced chemo-photothermal therapy. Journal of Colloid and Interface Science, 2019, 539, 433-441.	5.0	35
40	Dual-responsive drug delivery systems prepared by blend electrospinning. International Journal of Pharmaceutics, 2018, 543, 1-7.	2.6	34
41	Erythrocyte Membrane Cloaked Curcumin-Loaded Nanoparticles for Enhanced Chemotherapy. Pharmaceutics, 2019, 11, 429.	2.0	34
42	Electrospun gelatin/sodium bicarbonate and poly(lactide-co-Îµ-caprolactone)/sodium bicarbonate nanofibers as drug delivery systems. Materials Science and Engineering C, 2017, 81, 359-365.	3.8	33
43	A Tumor Microenvironmentâ€Responsive Biodegradable Mesoporous Nanosystem for Antiâ€Inflammation and Cancer Theranostics. Advanced Healthcare Materials, 2020, 9, e1901307.	3.9	33
44	Polyacrylonitrile fibers efficiently loaded with tamoxifen citrate using wet-spinning from co-dissolving solution. International Journal of Pharmaceutics, 2009, 373, 4-9.	2.6	30
45	Synthesis and evaluation of temperature- and glucose-sensitive nanoparticles based on phenylboronic acid and N-vinylcaprolactam for insulin delivery. Materials Science and Engineering C, 2016, 69, 1026-1035.	3.8	29
46	A novel multifunctional biomedical material based on polyacrylonitrile: Preparation and characterization. Materials Science and Engineering C, 2016, 62, 702-709.	3.8	27
47	Core-shell poly(lactide-co-Îµ-caprolactone)-gelatin fiber scaffolds as pH-sensitive drug delivery systems. Journal of Biomaterials Applications, 2018, 32, 1105-1118.	1.2	27
48	<scp>I</scp>-Peptide functionalized dual-responsive nanoparticles for controlled paclitaxel release and enhanced apoptosis in breast cancer cells. Drug Delivery, 2018, 25, 1275-1288.	2.5	26
49	Stealth Polydopamine-Based Nanoparticles with Red Blood Cell Membrane for the Chemo-Photothermal Therapy of Cancer. ACS Applied Bio Materials, 2020, 3, 2350-2359.	2.3	26
50	Glucose- and temperature-sensitive nanoparticles for insulin delivery. International Journal of Nanomedicine, 2017, Volume 12, 4037-4057.	3.3	25
51	Liraglutide-loaded poly(lactic-co-glycolic acid) microspheres: Preparation and in vivo evaluation. European Journal of Pharmaceutical Sciences, 2016, 92, 28-38.	1.9	23
52	Co-delivery of doxorubicin and oleanolic acid by triple-sensitive nanocomposite based on chitosan for effective promoting tumor apoptosis. Carbohydrate Polymers, 2020, 247, 116672.	5.1	23
53	A simple route to form magnetic chitosan nanoparticles from coaxial-electrospun composite nanofibers. Journal of Materials Science, 2013, 48, 3991-3998.	1.7	22
54	Lectin recognizing thermoresponsive double hydrophilic glycopolymer micelles by RAFT polymerization. RSC Advances, 2014, 4, 34912-34921.	1.7	22

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55	Fabrication of glycopolymer/MWCNTs composite nanofibers and its enzyme immobilization applications. Colloids and Surfaces B: Biointerfaces, 2014, 121, 417-424.	2.5	20
56	Fabrication and investigation of a biocompatible microfilament with high mechanical performance based on regenerated bacterial cellulose and bacterial cellulose. Materials Science and Engineering C, 2017, 79, 516-524.	3.8	20
57	Dimeric Her2-specific affibody mediated cisplatin-loaded nanoparticles for tumor enhanced chemo-radiotherapy. Journal of Nanobiotechnology, 2021, 19, 138.	4.2	20
58	Phenylboronic acid-diol crosslinked 6-O-vinylazeloyl-d-galactose nanocarriers for insulin delivery. Materials Science and Engineering C, 2017, 76, 845-855.	3.8	17
59	Electrospun oral formulations for combined photo-chemotherapy of colon cancer. Colloids and Surfaces B: Biointerfaces, 2019, 183, 110411.	2.5	17
60	Electrospun glycopolymer fibers for lectin recognition. Polymer Chemistry, 2014, 5, 3009-3017.	1.9	16
61	Synergistic Chemo-Photothermal Suppression of Cancer by Melanin Decorated MoO_x Nanosheets. ACS Applied Bio Materials, 2019, 2, 4356-4366.	2.3	16
62	Fabrication and aggregation of thermoresponsive glucose-functionalized double hydrophilic copolymers. Colloids and Surfaces B: Biointerfaces, 2013, 105, 180-186.	2.5	15
63	A Novel Heptapeptide with Tyrosinase Inhibitory Activity Identified from a Phage Display Library. Applied Biochemistry and Biotechnology, 2017, 181, 219-232.	1.4	15
64	Ionic Liquidsâ€"Promoted S-Methylation of Thiols Utilizing Dimethyl Carbonate. Phosphorus, Sulfur and Silicon and the Related Elements, 2010, 186, 31-37.	0.8	13
65	Functionalized layered double hydroxide nanoparticles as an intelligent nanoplatform for synergistic photothermal therapy and chemotherapy of tumors. Colloids and Surfaces B: Biointerfaces, 2022, 210, 112261.	2.5	13
66	Mesoporous Doxorubicin-Loaded Polydopamine Nanoparticles Coated with a Platelet Membrane Suppress Tumor Growth in a Murine Model of Human Breast Cancer. ACS Applied Bio Materials, 2022, 5, 123-133.	2.3	13
67	Preparation and controlled release of degradable polymeric ketoprofenâ€"saccharide conjugates. Polymer Bulletin, 2011, 67, 593-608.	1.7	12
68	Galactose functionalized injectable thermoresponsive microgels for sustained protein release. Colloids and Surfaces B: Biointerfaces, 2014, 113, 368-374.	2.5	12
69	Thermoresponsive diblock glycopolymer by RAFT polymerization for lectin recognition. Materials Science and Engineering C, 2016, 68, 172-176.	3.8	12
70	In vitro controlled release of polymeric drugâ€saccharide conjugates with ketoprofen, ibuprofen, and naproxen pendants. Journal of Applied Polymer Science, 2011, 121, 1654-1660.	1.3	11
71	Preparation and Characterization of TAM-Loaded HPMC/PAN Composite Fibers for Improving Drug-Release Profiles. Journal of Biomaterials Science, Polymer Edition, 2011, 22, 2227-2240.	1.9	9
72	A dual-prodrug nanoparticle based on chitosan oligosaccharide for enhanced tumor-targeted drug delivery. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2021, 619, 126512.	2.3	9

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73	Novel electrospun nanofibers incorporating polymeric prodrugs of ketoprofen: Preparation, characterization, and in vitro sustained release. Journal of Applied Polymer Science, 2013, 130, 1570-1577.	1.3	3
74	Functionalized organicâ€“inorganic hybrid composites used as colorimetric chemosensors for hydrogen sulfide detection. Journal of Applied Polymer Science, 2022, 139, .	1.3	3
75	Construction of Nano-Carriers Coated with Platelet Membrane and Its Application in Targeted Therapy of Inflammation. Nano, 2021, 16, .	0.5	0