

Lesan Yan

List of Publications by Year in descending order

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Version: 2024-02-01

58
papers

2,398
citations

185998

28
h-index

214527

47
g-index

61
all docs

61
docs citations

61
times ranked

3828
citing authors

#	ARTICLE	IF	CITATIONS
1	A prodrug strategy to deliver cisplatin(IV) and paclitaxel in nanomicelles to improve efficacy and tolerance. <i>Biomaterials</i> , 2012, 33, 6507-6519.	5.7	182
2	Recent progress in polymer-based platinum drug delivery systems. <i>Progress in Polymer Science</i> , 2018, 87, 70-106.	11.8	144
3	Co-delivery of daunomycin and oxaliplatin by biodegradable polymers for safer and more efficacious combination therapy. <i>Journal of Controlled Release</i> , 2012, 163, 304-314.	4.8	110
4	A pH-Responsive Drug-Delivery Platform Based on Glycol Chitosan-Coated Liposomes. <i>Small</i> , 2015, 11, 4870-4874.	5.2	107
5	Polymer scaffolds facilitate spinal cord injury repair. <i>Acta Biomaterialia</i> , 2019, 88, 57-77.	4.1	105
6	Positively charged polypeptide nanogel enhances mucoadhesion and penetrability of 10-hydroxycamptothecin in orthotopic bladder carcinoma. <i>Journal of Controlled Release</i> , 2017, 259, 136-148.	4.8	91
7	Biodegradable copolymers with identical cationic segments and their performance in siRNA delivery. <i>Journal of Controlled Release</i> , 2012, 159, 251-260.	4.8	85
8	Protoporphyrin IX (PpIX)-Coated Superparamagnetic Iron Oxide Nanoparticle (SPION) Nanoclusters for Magnetic Resonance Imaging and Photodynamic Therapy. <i>Advanced Functional Materials</i> , 2018, 28, 1707030.	7.8	84
9	Targeting cartilage EGFR pathway for osteoarthritis treatment. <i>Science Translational Medicine</i> , 2021, 13, .	5.8	83
10	Chlorin e6-Coated Superparamagnetic Iron Oxide Nanoparticle (SPION) Nanoclusters as a Theranostic Agent for Dual-Mode Imaging and Photodynamic Therapy. <i>Scientific Reports</i> , 2019, 9, 2613.	1.6	74
11	Reduction-sensitive core-cross-linked mPEG-poly(ester-carbonate) micelles for glutathione-triggered intracellular drug release. <i>Polymer Chemistry</i> , 2012, 3, 2403.	1.9	71
12	A dual-targeting hybrid platinum(iv) prodrug for enhancing efficacy. <i>Chemical Communications</i> , 2012, 48, 10730.	2.2	70
13	3D Printed Personalized Nerve Guide Conduits for Precision Repair of Peripheral Nerve Defects. <i>Advanced Science</i> , 2022, 9, e2103875.	5.6	65
14	Porous heterogeneous organic photocatalyst prepared by HIPE polymerization for oxidation of sulfides under visible light. <i>Journal of Materials Chemistry</i> , 2012, 22, 17445.	6.7	64
15	Photo-cross-linked mPEG-poly(β -cinnamyl-L-glutamate) micelles as stable drug carriers. <i>Polymer Chemistry</i> , 2012, 3, 1300.	1.9	60
16	Use of Oppositely Polarized External Magnets To Improve the Accumulation and Penetration of Magnetic Nanocarriers into Solid Tumors. <i>ACS Nano</i> , 2020, 14, 142-152.	7.3	59
17	Photoacoustic-Guided Surgery with Indocyanine Green-Coated Superparamagnetic Iron Oxide Nanoparticle Clusters. <i>Small</i> , 2017, 13, 1701300.	5.2	55
18	Delivering a photosensitive transplatin prodrug to overcome cisplatin drug resistance. <i>Chemical Communications</i> , 2015, 51, 11493-11495.	2.2	53

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19	Intracellularly Swollen Polypeptide Nanogel Assists Hepatoma Chemotherapy. <i>Theranostics</i> , 2017, 7, 703-716.	4.6	47
20	Oriented nanofibrous P(MMD-co-LA)/Deferoxamine nerve scaffold facilitates peripheral nerve regeneration by regulating macrophage phenotype and revascularization. <i>Biomaterials</i> , 2022, 280, 121288.	5.7	46
21	Improved Photodynamic Therapy Efficacy of Protoporphyrin IX-Loaded Polymeric Micelles Using Erlotinib Pretreatment. <i>Biomacromolecules</i> , 2017, 18, 1836-1844.	2.6	44
22	Superoxide Dismutase-Loaded Porous Polymersomes as Highly Efficient Antioxidants for Treating Neuropathic Pain. <i>Advanced Healthcare Materials</i> , 2017, 6, 1700500.	3.9	41
23	Advances in drug delivery system for platinum agents based combination therapy. <i>Cancer Biology and Medicine</i> , 2015, 12, 362-74.	1.4	36
24	Dextran-Benzoporphyrin Derivative (BPD) Coated Superparamagnetic Iron Oxide Nanoparticle (SPION) Micelles for T ₂ -Weighted Magnetic Resonance Imaging and Photodynamic Therapy. <i>Bioconjugate Chemistry</i> , 2019, 30, 2974-2981.	1.8	35
25	Biodegradable Stimuli-Responsive Polymeric Micelles for Treatment of Malignancy. <i>Current Pharmaceutical Biotechnology</i> , 2016, 17, 227-236.	0.9	34
26	pH and dual redox responsive nanogel based on poly(L-glutamic acid) as potential intracellular drug carrier. <i>Journal of Controlled Release</i> , 2011, 152, e11-e13.	4.8	33
27	Phospholipase A ₂ inhibitor-loaded micellar nanoparticles attenuate inflammation and mitigate osteoarthritis progression. <i>Science Advances</i> , 2021, 7, .	4.7	33
28	Turning Ineffective Transplatin into a Highly Potent Anticancer Drug via a Prodrug Strategy for Drug Delivery and Inhibiting Cisplatin Drug Resistance. <i>Bioconjugate Chemistry</i> , 2016, 27, 1802-1806.	1.8	29
29	Self-Targeted Polysaccharide Prodrug Suppresses Orthotopic Hepatoma. <i>Molecular Pharmaceutics</i> , 2016, 13, 4231-4235.	2.3	26
30	A reduction-sensitive carrier system using mesoporous silica nanospheres with biodegradable polyester as caps. <i>Physical Chemistry Chemical Physics</i> , 2013, 15, 14210.	1.3	24
31	Bright and stable near-infrared Pluronic-silica nanoparticles as contrast agents for in vivo optical imaging. <i>Journal of Materials Chemistry B</i> , 2016, 4, 5560-5566.	2.9	24
32	Synthesis of OH-Group-Containing, Biodegradable Polyurethane and Protein Fixation on Its Surface. <i>Biomacromolecules</i> , 2011, 12, 2032-2038.	2.6	23
33	Regulation of Conjugated Hemoglobin on Micelles through Copolymer Chain Sequences and the Protein's Isoelectric Aggregation. <i>Macromolecular Bioscience</i> , 2013, 13, 893-902.	2.1	23
34	Lactose targeting oxaliplatin prodrug loaded micelles for more effective chemotherapy of hepatocellular carcinoma. <i>Journal of Materials Chemistry B</i> , 2014, 2, 2097.	2.9	21
35	Application of microwave-assisted click chemistry in the preparation of functionalized copolymers for drug conjugation. <i>Journal of Applied Polymer Science</i> , 2013, 127, 3365-3373.	1.3	20
36	Guanidinated amphiphilic cationic copolymer with enhanced gene delivery efficiency. <i>Journal of Materials Chemistry</i> , 2012, 22, 18915.	6.7	19

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37	Nanoparticle delivery of sterically hindered platinum(IV) prodrugs shows 100 times higher potency than that of cisplatin upon light activation. <i>Chemical Communications</i> , 2016, 52, 2281-2283.	2.2	19
38	A biodegradable polymer platform for co-delivery of clinically relevant oxaliplatin and gemcitabine. <i>Journal of Materials Chemistry B</i> , 2014, 2, 6560-6570.	2.9	18
39	A simple method for the synthesis of porous polymeric vesicles and their application as MR contrast agents. <i>Journal of Materials Chemistry B</i> , 2015, 3, 9277-9284.	2.9	17
40	Poly(lactic acid) Controlled Drug Delivery. <i>Advances in Polymer Science</i> , 2017, , 109-138.	0.4	17
41	On-Demand Prolongation of Peripheral Nerve Blockade through Bupivacaine-Loaded Hydrogels with Suitable Residence Periods. <i>ACS Biomaterials Science and Engineering</i> , 2019, 5, 696-709.	2.6	16
42	Phospholipase A ₂ Inhibitor-Loaded Phospholipid Micelles Abolish Neuropathic Pain. <i>ACS Nano</i> , 2020, 14, 8103-8115.	7.3	16
43	A Versatile Method to Prepare Protein Nanoclusters for Drug Delivery. <i>Macromolecular Bioscience</i> , 2018, 18, 1700282.	2.1	15
44	Enhanced proliferation and differentiation of neural stem cells by peptide-containing temperature-sensitive hydrogel scaffold. <i>Materials Science and Engineering C</i> , 2020, 116, 111258.	3.8	15
45	Site-Specific Labeling of Cyanine and Porphyrin Dye-Stabilized Nanoemulsions with Affibodies for Cellular Targeting. <i>Journal of the American Chemical Society</i> , 2018, 140, 13550-13553.	6.6	14
46	Synthesis of biodegradable cationic triblock copolymer mPEG-PCL-PLL for siRNA delivery. <i>Journal of Controlled Release</i> , 2011, 152, e167-e168.	4.8	13
47	Protein-Resistant Biodegradable Amphiphilic Graft Copolymer Vesicles as Protein Carriers. <i>Macromolecular Bioscience</i> , 2015, 15, 1304-1313.	2.1	13
48	PLA ₂ -responsive and SPIO-loaded phospholipid micelles. <i>Chemical Communications</i> , 2015, 51, 12313-12315.	2.2	13
49	Non-specific and specific interactions on functionalized polymer surface studied by FT-SPR. <i>Colloids and Surfaces B: Biointerfaces</i> , 2011, 83, 220-228.	2.5	12
50	Sensitizing nanoparticle based platinum(IV) drugs by curcumin for better chemotherapy. <i>Colloids and Surfaces B: Biointerfaces</i> , 2016, 145, 812-819.	2.5	12
51	Polymer nanoparticle delivery of dichloroacetate and DACH-Pt to enhance antitumor efficacy and lower systemic toxicity. <i>Biomaterials Science</i> , 2016, 4, 661-669.	2.6	12
52	Indocyanine Green-Coated Polycaprolactone Micelles for Fluorescence Imaging of Tumors. <i>ACS Applied Bio Materials</i> , 2020, 3, 2344-2349.	2.3	12
53	HIPE Polymerization Materials Functionalized with Iodine-BODIPY on the Surface as Porous Heterogeneous Visible-Light Photocatalysts. <i>Chemistry - an Asian Journal</i> , 2017, 12, 392-396.	1.7	10
54	Application of the biodegradable diblock copolymer poly(L-lactide)-block-poly(L-cysteine): Drug delivery and protein conjugation. <i>Journal of Applied Polymer Science</i> , 2010, 118, 1738-1742.	1.3	8

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55	The Development of a Nano-based Approach to Alleviate Cisplatin-Induced Ototoxicity. JARO - Journal of the Association for Research in Otolaryngology, 2018, 19, 123-132.	0.9	8
56	Recent progress of nanomedicine in secreted phospholipase A2 as a potential therapeutic target. Journal of Materials Chemistry B, 2022, 10, 7349-7360.	2.9	8
57	Versatile synthesis of functional biodegradable polymers by ring-opening polymerization and microwave-assisted click reaction. Journal of Controlled Release, 2011, 152, e249-e250.	4.8	4
58	Rapid, site-specific labeling of "off-the-shelf" and native serum autoantibodies with T cell "redirecting domains. Science Advances, 2022, 8, eabn4613.	4.7	2