

Xin Jin

List of Publications by Year in descending order

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67
papers

1,854
citations

257101

24
h-index

276539

41
g-index

68
all docs

68
docs citations

68
times ranked

3139
citing authors

#	ARTICLE	IF	CITATIONS
1	Advanced functional polymer materials. <i>Materials Chemistry Frontiers</i> , 2020, 4, 1803-1915.	3.2	117
2	Synthesis, self-assembly and drug release behaviors of pH-responsive copolymers ethyl cellulose-graft-PDEAEMA through ATRP. <i>Carbohydrate Polymers</i> , 2011, 84, 195-202.	5.1	116
3	Self-Assembly and Dual-Stimuli Sensitivities of Hydroxypropylcellulose- <i>g</i> -poly(<i>N,N</i> -dimethyl aminoethyl methacrylate) Copolymers in Aqueous Solution. <i>Langmuir</i> , 2010, 26, 8697-8703.	1.6	89
4	Biological stimuli responsive drug carriers based on keratin for triggerable drug delivery. <i>Journal of Materials Chemistry</i> , 2012, 22, 19964.	6.7	88
5	Preparation and characterization of UV-curable ZnO/polymer nanocomposite films. <i>Polymer International</i> , 2007, 56, 138-143.	1.6	79
6	Construction of Robust Enzyme Nanocapsules for Effective Organophosphate Decontamination, Detoxification, and Protection. <i>Advanced Materials</i> , 2013, 25, 2212-2218.	11.1	79
7	Phosphorylcholine polymer nanocapsules prolong the circulation time and reduce the immunogenicity of therapeutic proteins. <i>Nano Research</i> , 2016, 9, 1022-1031.	5.8	77
8	Star polymer-based unimolecular micelles and their application in bio-imaging and diagnosis. <i>Biomaterials</i> , 2018, 178, 738-750.	5.7	70
9	Dual-stimuli sensitive nanogels fabricated by self-association of thiolated hydroxypropyl cellulose. <i>Polymer Chemistry</i> , 2011, 2, 672-678.	1.9	64
10	pH-Responsive Aerobic Nanoparticles for Effective Photodynamic Therapy. <i>Theranostics</i> , 2017, 7, 4537-4550.	4.6	60
11	Prodrug-embedded angiogenic vessel-targeting nanoparticle: A positive feedback amplifier in hypoxia-induced chemo-photo therapy. <i>Biomaterials</i> , 2017, 144, 188-198.	5.7	57
12	Iron Chelation Nanoparticles with Delayed Saturation as an Effective Therapy for Parkinson Disease. <i>Biomacromolecules</i> , 2017, 18, 461-474.	2.6	55
13	Supramolecular nanoscale drug-delivery system with ordered structure. <i>National Science Review</i> , 2019, 6, 1128-1137.	4.6	52
14	Celecoxib-Induced Self-Assembly of Smart Albumin-Doxorubicin Conjugate for Enhanced Cancer Therapy. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 8555-8565.	4.0	36
15	Zwitterionic gold nanorods: low toxicity and high photothermal efficacy for cancer therapy. <i>Biomaterials Science</i> , 2017, 5, 686-697.	2.6	32
16	Molecular insights for the biological interactions between polyethylene glycol and cells. <i>Biomaterials</i> , 2017, 147, 1-13.	5.7	32
17	Reaction-Based Color-Convertible Fluorescent Probe for Ferroptosis Identification. <i>Analytical Chemistry</i> , 2018, 90, 9218-9225.	3.2	31
18	Hydrogen Peroxide-Responsive Nanoprobe Assists Circulating Tumor Cell Identification and Colorectal Cancer Diagnosis. <i>Analytical Chemistry</i> , 2017, 89, 5966-5975.	3.2	30

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19	“Bottom-up” Construction of Multi-Polyprodrug-Arm Hyperbranched Amphiphiles for Cancer Therapy. <i>Bioconjugate Chemistry</i> , 2017, 28, 1470-1480.	1.8	30
20	Hydrogen peroxide-response nanoprobe for CD44-targeted circulating tumor cell detection and H ₂ O ₂ analysis. <i>Biomaterials</i> , 2020, 255, 120071.	5.7	29
21	Multicolor Fluorescent Polymers Inspired from Green Fluorescent Protein. <i>Macromolecules</i> , 2015, 48, 5969-5979.	2.2	28
22	Mustard-inspired delivery shuttle for enhanced blood-brain barrier penetration and effective drug delivery in glioma therapy. <i>Biomaterials Science</i> , 2017, 5, 1041-1050.	2.6	28
23	“Bottom-Up” Construction of Hyperbranched Poly(prodrug-co-photosensitizer) Amphiphiles Unimolecular Micelles for Chemo-Photodynamic Dual Therapy. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 36675-36687.	4.0	28
24	Endoplasmic Reticulum-Targeted Fluorescent Nanodot with Large Stokes Shift for Vesicular Transport Monitoring and Long-Term Bioimaging. <i>Small</i> , 2018, 14, e1800223.	5.2	28
25	A Redox-Responsive, In-Situ Polymerized Polyplatinum(IV)-Coated Gold Nanorod as An Amplifier of Tumor Accumulation for Enhanced Thermo-Chemotherapy. <i>Biomaterials</i> , 2021, 266, 120400.	5.7	26
26	Self-Assembled Polyprodrug Amphiphile for Subcutaneous Xenograft Tumor Inhibition with Prolonged Acting Time In Vivo. <i>Macromolecular Bioscience</i> , 2017, 17, 1700174.	2.1	25
27	Regulation of the thermal sensitivity of hydroxypropyl cellulose by poly(N-isopropylacryamide) side chains. <i>Carbohydrate Polymers</i> , 2013, 95, 155-160.	5.1	24
28	Spatial Confined Synergistic Enzymes with Enhanced Uricolytic Performance and Reduced Toxicity for Effective Gout Treatment. <i>Small</i> , 2018, 14, e1801865.	5.2	24
29	Recent progress on DNA block copolymer. <i>Chinese Chemical Letters</i> , 2017, 28, 1822-1828.	4.8	23
30	Nanocapsules of therapeutic proteins with enhanced stability and long blood circulation for hyperuricemia management. <i>Journal of Controlled Release</i> , 2017, 255, 54-61.	4.8	22
31	Enzymatic biofuel cells based on protein engineering: recent advances and future prospects. <i>Biomaterials Science</i> , 2020, 8, 5230-5240.	2.6	22
32	Biodegradable Scaffolds for Urethra Tissue Engineering Based on 3D Printing. <i>ACS Applied Bio Materials</i> , 2020, 3, 2007-2016.	2.3	22
33	Folic acid-conjugated BSA nanocapsule (n-BSA-FA) for cancer targeted radiotherapy and imaging. <i>RSC Advances</i> , 2015, 5, 88560-88566.	1.7	21
34	Designing hyperbranched polymers for gene delivery. <i>Molecular Systems Design and Engineering</i> , 2016, 1, 25-39.	1.7	21
35	Robust enzyme-silica composites made from enzyme nanocapsules. <i>Chemical Communications</i> , 2015, 51, 9628-9631.	2.2	20
36	Host-guest binding motifs based on hyperbranched polymers. <i>Chemical Communications</i> , 2016, 52, 11728-11743.	2.2	17

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37	Polygemcitabine nanogels with accelerated drug activation for cancer therapy. <i>Chemical Communications</i> , 2019, 55, 6603-6606.	2.2	17
38	Adventitial gene transfer of catalase attenuates angiotensin II-induced vascular remodeling. <i>Molecular Medicine Reports</i> , 2015, 11, 2608-2614.	1.1	16
39	Tailoring morphologies of mesoporous polydopamine nanoparticles to deliver high-loading radioiodine for anaplastic thyroid carcinoma imaging and therapy. <i>Nanoscale</i> , 2021, 13, 15021-15030.	2.8	16
40	Construction of biomimetic long-circulation delivery platform encapsulated by zwitterionic polymers for enhanced penetration of blood-brain barrier. <i>RSC Advances</i> , 2017, 7, 20766-20778.	1.7	15
41	Self-encapsulated enzyme through in-situ growth of polypyrrole for high-performance enzymatic biofuel cell. <i>Chemical Engineering Journal</i> , 2022, 429, 132148.	6.6	15
42	Rational design of electroactive redox enzyme nanocapsules for high-performance biosensors and enzymatic biofuel cell. <i>Biosensors and Bioelectronics</i> , 2021, 174, 112805.	5.3	14
43	A fluorescent light-up aggregation-induced emission probe for screening gefitinib-sensitive non-small cell lung carcinoma. <i>Biomaterials Science</i> , 2017, 5, 792-799.	2.6	13
44	Synthesis and properties of ZnS/ polyimide nanocomposite films. <i>Polymer International</i> , 2007, 56, 601-605.	1.6	11
45	Fabrication of Activity-Reporting Glucose Oxidase Nanocapsules with Oxygen-Independent Fluorescence Variation. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 26005-26015.	4.0	11
46	A new insight into the reversal of multidrug resistance in cancer by nanodrugs. <i>Biomaterials Science</i> , 2019, 7, 3489-3496.	2.6	11
47	Synthesis, Characterization, and In Vivo Biodistribution of ¹²⁵ I-Labeled Dex-PMAGGCONHTyr. <i>Biomacromolecules</i> , 2011, 12, 1851-1859.	2.6	10
48	Synthesis of Multiarm Star Polymer Based on Hyperbranched Polyester Core and Poly(μ -caprolactone) Arms and Its Application in UV-Curable Coating. <i>ACS Omega</i> , 2018, 3, 13928-13934.	1.6	10
49	Laser-Responsive Polymeric Nanomicelles to Subdue Tumor Multidrug Resistance Based on Mild Photodynamic Therapy and Chemotherapy. <i>ACS Applied Nano Materials</i> , 2020, 3, 6702-6710.	2.4	10
50	Morphology design and control of polymer particles by regulating the droplet flowing mode in microfluidic chips. <i>Polymer Chemistry</i> , 2017, 8, 2953-2958.	1.9	9
51	Co-Delivery of ¹³¹ I and Primaquine by Self-Assembled CD44-Targeted Nanoparticles for Anaplastic Thyroid Carcinoma Theranostics. <i>Advanced Healthcare Materials</i> , 2021, 10, 2001029.	3.9	7
52	Material Perspective on the Structural Design of Artificial Meat. <i>Advanced Sustainable Systems</i> , 2021, 5, 2100017.	2.7	7
53	Investigation of the Formation Process of PNIPAM-Based Ionic Microgels. <i>ACS Omega</i> , 2017, 2, 8788-8793.	1.6	6
54	Light-Triggered Cellular Epigenetic Molecule Release To Reverse Tumor Multidrug Resistance. <i>Bioconjugate Chemistry</i> , 2018, 29, 1344-1351.	1.8	6

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55	Stabilization capacity of PNIPAM microgels as particulate stabilizer in dispersion polymerization. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2018, 538, 789-794.	2.3	6
56	Role Transformation of Poly(<i>N</i> -isopropylacrylamide) Microgels from Stabilizer to Seed in Dispersion Polymerization by Controlling the Water Content in Methanol-Water Mixture. <i>Langmuir</i> , 2018, 34, 3420-3425.	1.6	6
57	Bottom-Up Fabrication of BODIPY-Functionalized Fluorescent Hyperbranched Glycopolymers for Hepatoma-Targeted Imaging. <i>Macromolecular Bioscience</i> , 2018, 18, e1700381.	2.1	6
58	Supramolecular dendritic polymers for diagnostic and theranostic applications. <i>Science China Materials</i> , 2018, 61, 1444-1453.	3.5	5
59	An efficient method for CTCs screening with excellent operability by integrating Parsortix-like cell separation chip and selective size amplification. <i>Biomedical Microdevices</i> , 2018, 20, 51.	1.4	5
60	Novel target NIR-fluorescent polymer for living tumor cell imaging. <i>Polymer Chemistry</i> , 2019, 10, 77-85.	1.9	5
61	Anti-biofouling therapeutic nanoparticles with removable shell and highly efficient internalization by cancer cells. <i>Biomaterials Science</i> , 2019, 7, 336-346.	2.6	4
62	Statistics and Dynamics of Polymer Melt in Neutral Diblock Copolymer Single-Crystal Platelets. <i>Journal of Physical Chemistry Letters</i> , 2020, 11, 1081-1086.	2.1	4
63	Preparation, characterization and mechanism study of small size core-shell polymer nanoparticles dissociated from poly(<i>N</i> -isopropylacrylamide) ionic microgels. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2018, 559, 184-191.	2.3	2
64	Short-term urea cycle inhibition in rat liver cells induced by polyethylene glycol. <i>Biomaterials Science</i> , 2018, 6, 2896-2904.	2.6	2
65	Rational Optimization of Tether Binding Length between the Redox Groups and the Polymer Backbone in Electroactive Redox Enzyme Nanocapsules for High-Performance Enzymatic Biofuel Cell. <i>ACS Applied Energy Materials</i> , 2021, 4, 5034-5042.	2.5	2
66	Controlled radical emulsion polymerization of polystyrene. <i>Colloid and Polymer Science</i> , 2013, 291, 2481-2485.	1.0	1
67	Role transition of PNIPAM ionic microgels in dispersion polymerization by changing the monomer type. <i>Polymer</i> , 2019, 175, 171-176.	1.8	0