

Cheng Hu

List of Publications by Year in descending order

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34
papers

1,730
citations

304602

22
h-index

377752

34
g-index

35
all docs

35
docs citations

35
times ranked

1329
citing authors

#	ARTICLE	IF	CITATIONS
1	Inflammation-Responsive Drug-Loaded Hydrogels with Sequential Hemostasis, Antibacterial, and Anti-Inflammatory Behavior for Chronically Infected Diabetic Wound Treatment. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 33584-33599.	4.0	175
2	Dual-crosslinked mussel-inspired smart hydrogels with enhanced antibacterial and angiogenic properties for chronic infected diabetic wound treatment via pH-responsive quick cargo release. <i>Chemical Engineering Journal</i> , 2021, 411, 128564.	6.6	168
3	Dual-responsive injectable hydrogels encapsulating drug-loaded micelles for on-demand antimicrobial activity and accelerated wound healing. <i>Journal of Controlled Release</i> , 2020, 324, 204-217.	4.8	145
4	A spatiotemporal release platform based on pH/ROS stimuli-responsive hydrogel in wound repairing. <i>Journal of Controlled Release</i> , 2022, 341, 147-165.	4.8	111
5	Synergistic Chemical and Photodynamic Antimicrobial Therapy for Enhanced Wound Healing Mediated by Multifunctional Light-Responsive Nanoparticles. <i>Biomacromolecules</i> , 2019, 20, 4581-4592.	2.6	104
6	Virion-Like Membrane-Breaking Nanoparticles with Tumor-Activated Cell-and-Tissue Dual-Penetration Conquer Impermeable Cancer. <i>Advanced Materials</i> , 2018, 30, e1707240.	11.1	102
7	Peptide-/Drug-Directed Self-Assembly of Hybrid Polyurethane Hydrogels for Wound Healing. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 37147-37155.	4.0	81
8	Analysis of the Bacterial Community in Zaopei During Production of Chinese Luzhou-flavor Liquor. <i>Journal of the Institute of Brewing</i> , 2005, 111, 215-222.	0.8	79
9	Supramolecular PEGylated Dendritic Systems as pH/Redox Dual-Responsive Theranostic Nanoplatforms for Platinum Drug Delivery and NIR Imaging. <i>Theranostics</i> , 2016, 6, 1293-1305.	4.6	68
10	Epigallocatechin gallate mediated sandwich-like coating for mimicking endothelium with sustained therapeutic nitric oxide generation and heparin release. <i>Biomaterials</i> , 2021, 269, 120418.	5.7	61
11	Construction of multifunctional wound dressings with their application in chronic wound treatment. <i>Biomaterials Science</i> , 2022, 10, 4058-4076.	2.6	49
12	Intrinsic Antibacterial and Conductive Hydrogels Based on the Distinct Bactericidal Effect of Polyaniline for Infected Chronic Wound Healing. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 52308-52320.	4.0	41
13	Heart Valves Cross-Linked with Erythrocyte Membrane Drug-Loaded Nanoparticles as a Biomimetic Strategy for Anti-coagulation, Anti-inflammation, Anti-calcification, and Endothelialization. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 41113-41126.	4.0	40
14	Microneedle-mediated vascular endothelial growth factor delivery promotes angiogenesis and functional recovery after stroke. <i>Journal of Controlled Release</i> , 2021, 338, 610-622.	4.8	40
15	Injectable multifunctional hyaluronic acid/methylcellulose hydrogels for chronic wounds repairing. <i>Carbohydrate Polymers</i> , 2022, 289, 119456.	5.1	40
16	Capsid-like supramolecular dendritic systems as pH-responsive nanocarriers for drug penetration and site-specific delivery. <i>Nanomedicine: Nanotechnology, Biology, and Medicine</i> , 2016, 12, 355-364.	1.7	35
17	Multi-stimuli responsive polymeric prodrug micelles for combined chemotherapy and photodynamic therapy. <i>Journal of Materials Chemistry B</i> , 2020, 8, 5267-5279.	2.9	35
18	Developing New Sacchariferous Starters for Liquor Production Based on Functional Strains Isolated from the Pits of Several Famous Luzhou-flavor Liquor Brewers. <i>Journal of the Institute of Brewing</i> , 2009, 115, 111-115.	0.8	31

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19	A conformally adapted all-in-one hydrogel coating: towards robust hemocompatibility and bactericidal activity. <i>Journal of Materials Chemistry B</i> , 2021, 9, 2697-2708.	2.9	30
20	Dissolving microneedle-encapsulated drug-loaded nanoparticles and recombinant humanized collagen type III for the treatment of chronic wound <i>via</i> anti-inflammation and enhanced cell proliferation and angiogenesis. <i>Nanoscale</i> , 2022, 14, 1285-1295.	2.8	29
21	Multiplexed nanomaterial-assisted laser desorption/ionization for pan-cancer diagnosis and classification. <i>Nature Communications</i> , 2022, 13, 617.	5.8	27
22	Sustained gene delivery from inflammation-responsive anti-inflammatory hydrogels promotes extracellular matrix metabolism balance in degenerative nucleus pulposus. <i>Composites Part B: Engineering</i> , 2022, 236, 109806.	5.9	27
23	Microenvironment-responsive multifunctional hydrogels with spatiotemporal sequential release of tailored recombinant human collagen type III for the rapid repair of infected chronic diabetic wounds. <i>Journal of Materials Chemistry B</i> , 2021, 9, 9684-9699.	2.9	26
24	Bioinspired Design of Stereospecific α -Protein Nanomimics for High-Efficiency Autophagy Induction. <i>Chemistry of Materials</i> , 2017, 29, 7658-7662.	3.2	23
25	Platelet Membrane-Coated Nanocarriers Targeting Plaques to Deliver Anti-CD47 Antibody for Atherosclerotic Therapy. <i>Research</i> , 2022, 2022, 9845459.	2.8	23
26	Engineering Anticancer Amphipathic Peptide-Dendronized Compounds for Highly-Efficient Plasma/Organelle Membrane Perturbation and Multidrug Resistance Reversal. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 30952-30962.	4.0	22
27	Phosphorylcholine- and cation-bearing copolymer coating with superior antibiofilm and antithrombotic properties for blood-contacting devices. <i>Journal of Materials Chemistry B</i> , 2020, 8, 8433-8443.	2.9	22
28	Dual-function hydrogels with sequential release of GSK3 β inhibitor and VEGF inhibit inflammation and promote angiogenesis after stroke. <i>Chemical Engineering Journal</i> , 2022, 433, 133671.	6.6	20
29	Nonglutaraldehyde treated porcine pericardium with good biocompatibility, reduced calcification and improved Anti-coagulation for bioprosthetic heart valve applications. <i>Chemical Engineering Journal</i> , 2021, 414, 128900.	6.6	18
30	A two-photon AIE fluorophore as a photosensitizer for highly efficient mitochondria-targeted photodynamic therapy. <i>New Journal of Chemistry</i> , 2020, 44, 9355-9364.	1.4	16
31	pH and singlet oxygen dual-responsive GEM prodrug micelles for efficient combination therapy of chemotherapy and photodynamic therapy. <i>Journal of Materials Chemistry B</i> , 2020, 8, 5645-5654.	2.9	16
32	Dressing blood-contacting devices with platelet membrane enables large-scale multifunctional biointerfacing. <i>Matter</i> , 2022, 5, 2334-2351.	5.0	13
33	Microfibrillated cellulose-enhanced carboxymethyl chitosan/oxidized starch sponge for chronic diabetic wound repair. <i>Materials Science and Engineering C</i> , 2022, 135, 112669.	3.8	11
34	Cancer Therapy: Virion-Like Membrane-Breaking Nanoparticles with Tumor-Activated Cell-and-Tissue Dual-Penetration Conquer Impermeable Cancer (Adv. Mater. 27/2018). <i>Advanced Materials</i> , 2018, 30, 1870199.	11.1	2