Penghui Wang

List of Publications by Year
in descending order

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Version: 2024-02-01

		471509	526287
28	1,359	17	27
papers	citations	h-index	g-index

28	28	28	1612
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Bio-inspired hydrogel-based bandage with robust adhesive and antibacterial abilities for skin closure. Science China Materials, 2022, 65, 246-254.	6.3	13
2	Dynamic regulable sodium alginate/poly(Î³-glutamic acid) hybrid hydrogels promoted chondrogenic differentiation of stem cells. Carbohydrate Polymers, 2022, 275, 118692.	10.2	16
3	Ascidian-inspired aciduric hydrogels with high stretchability and adhesiveness promote gastric hemostasis and wound healing. Biomaterials Science, 2022, 10, 2417-2427.	5.4	15
4	Adaptive injectable carboxymethyl cellulose/poly (Î³-glutamic acid) hydrogels promote wound healing. , 2022, 136, 212753.		6
5	Bio-fabricated nanocomposite hydrogel with ROS scavenging and local oxygenation accelerates diabetic wound healing. Journal of Materials Chemistry B, 2022, 10, 4083-4095.	5.8	23
6	Biomimetic poly(Î³-glutamic acid) hydrogels based on iron (III) ligand coordination for cartilage tissue engineering. International Journal of Biological Macromolecules, 2021, 167, 1508-1516.	7.5	24
7	Injectable Hyaluronic Acid/Poly(Î³-glutamic acid) Hydrogel with Step-by-step Tunable Properties for Soft Tissue Engineering. Chinese Journal of Polymer Science (English Edition), 2021, 39, 957-965.	3.8	10
8	Injectable adaptive self-healing hyaluronic acid/poly (Î³-glutamic acid) hydrogel for cutaneous wound healing. Acta Biomaterialia, 2021, 127, 102-115.	8.3	83
9	Bioinspired mineral-polymeric hybrid hyaluronic acid/poly (Î³-glutamic acid) hydrogels as tunable scaffolds for stem cells differentiation. Carbohydrate Polymers, 2021, 264, 118048.	10.2	14
10	3D-printed antioxidant antibacterial carboxymethyl cellulose/Îµ-polylysine hydrogel promoted skin wound repair. International Journal of Biological Macromolecules, 2021, 187, 91-104.	7.5	61
11	Gradient chondroitin sulfate/poly (Î³-glutamic acid) hydrogels inducing differentiation of stem cells for cartilage tissue engineering. Carbohydrate Polymers, 2021, 270, 118330.	10.2	22
12	Mechanoadaptive injectable hydrogel based on poly(Î³-glutamic acid) and hyaluronic acid regulates fibroblast migration for wound healing. Carbohydrate Polymers, 2021, 273, 118607.	10.2	38
13	Bioinspired poly (Î³-glutamic acid) hydrogels for enhanced chondrogenesis of bone marrow-derived mesenchymal stem cells. International Journal of Biological Macromolecules, 2020, 142, 332-344.	7.5	48
14	pH-responsive nanomicelles of poly(ethylene glycol)-poly(Îµ-caprolactone)-poly(L-histidine) for targeted drug delivery. Journal of Biomaterials Science, Polymer Edition, 2020, 31, 277-292.	3.5	14
15	Thermosensitive nanoparticle of mPEG-PTMC for oligopeptide delivery into osteoclast precursors. Journal of Bioactive and Compatible Polymers, 2020, 35, 426-434.	2.1	1
16	Mussel-Inspired Dual-Cross-linking Hyaluronic Acid/Îµ-Polylysine Hydrogel with Self-Healing and Antibacterial Properties for Wound Healing. ACS Applied Materials & Interfaces, 2020, 12, 27876-27888.	8.0	144
17	Covalently Adaptable Hydrogel Based on Hyaluronic Acid and Poly(Î³-glutamic acid) for Potential Load-Bearing Tissue Engineering. ACS Applied Bio Materials, 2020, 3, 4036-4043.	4.6	16
18	Boron-assisted dual-crosslinked poly (Î³-glutamic acid) hydrogels with high toughness for cartilage regeneration. International Journal of Biological Macromolecules, 2020, 153, 158-168.	7.5	17

#	Article	IF	Citations
19	Bionic Poly(Î³â€Glutamic Acid) Electrospun Fibrous Scaffolds for Preventing Hypertrophic Scars. Advanced Healthcare Materials, 2019, 8, e1900123.	7.6	51
20	Extraction, Partial Identification and Bioactivities of Total Flavonoids from Carex meyeriana Kunth. American Journal of Biochemistry and Biotechnology, 2019, 15, 125-137.	0.4	1
21	Microwave-assisted extraction releases the antioxidant polysaccharides from seabuckthorn (Hippophae rhamnoides L.) berries. International Journal of Biological Macromolecules, 2019, 123, 280-290.	7.5	83
22	Injectable hydrogels based on the hyaluronic acid and poly (Î³-glutamic acid) for controlled protein delivery. Carbohydrate Polymers, 2018, 179, 100-109.	10.2	91
23	Extraction, characterization and in vitro antioxidant activity of polysaccharides from Carex meyeriana Kunth using different methods. International Journal of Biological Macromolecules, 2018, 120, 2155-2164.	7.5	54
24	In situ photocrosslinked hyaluronic acid and poly (Î³-glutamic acid) hydrogels as injectable drug carriers for load-bearing tissue application. Journal of Biomaterials Science, Polymer Edition, 2018, 29, 2252-2266.	3.5	21
25	A Biomimetic Musselâ€Inspired Îµâ€Polyâ€<scp>l</scp>â€lysine Hydrogel with Robust Tissueâ€Anchor and Antiâ€Infection Capacity. Advanced Functional Materials, 2017, 27, 1604894.	14.9	342
26	A mussel-inspired poly(Î³-glutamic acid) tissue adhesive with high wet strength for wound closure. Journal of Materials Chemistry B, 2017, 5, 5668-5678.	5.8	92
27	Enzymatically crosslinked epsilon-poly-<scp>l</scp>-lysine hydrogels with inherent antibacterial properties for wound infection prevention. RSC Advances, 2016, 6, 8620-8627.	3.6	53
28	Supramolecular assemblies of histidinylated Î²-cyclodextrin for enhanced oligopeptide delivery into osteoclast precursors. Journal of Biomaterials Science, Polymer Edition, 2016, 27, 490-504.	3.5	6