Hongli Mao

List of Publications by Year
in descending order

38 papers	1,005 citations	471477 17 h-index	434170 31 g-index
39 all docs	39 docs citations	39 times ranked	1232 citing authors

#	Article	IF	Citations
1	Bioinspired design of mannose-decorated globular lysine dendrimers promotes diabetic wound healing by orchestrating appropriate macrophage polarization. Biomaterials, 2022, 280, 121323.	11.4	30
2	Hydrogels for 3D embedded bioprinting: a focused review on bioinks and support baths. Journal of Materials Chemistry B, 2022, 10, 1897-1907.	5.8	28
3	Multifunctional polysaccharide hydrogels for skin wound healing prepared by photoinitiator-free crosslinking. Carbohydrate Polymers, 2022, 285, 119254.	10.2	26
4	Bioactive hydrogels based on polysaccharides and peptides for soft tissue wound management. Journal of Materials Chemistry B, 2022, 10, 7148-7160.	5.8	13
5	Gallium(III)-Mediated Dual-Cross-Linked Alginate Hydrogels with Antibacterial Properties for Promoting Infected Wound Healing. ACS Applied Materials & Interfaces, 2022, 14, 22426-22442.	8.0	36
6	Biodegradable gemcitabine-loaded microdevice with sustained local drug delivery and improved tumor recurrence inhibition abilities for postoperative pancreatic tumor treatment. Drug Delivery, 2022, 29, 1595-1607.	5.7	7
7	Photoclick polysaccharide-based bioinks with an extended biofabrication window for 3D embedded bioprinting. Biomaterials Science, 2022, 10, 4479-4491.	5.4	8
8	VE-cadherin-based matrix promoting the self-reconstruction of pro-vascularization microenvironments and endothelial differentiation of human mesenchymal stem cells. Journal of Materials Chemistry B, 2021, 9, 3357-3370.	5.8	6
9	A tumor-activatable peptide supramolecular nanoplatform for the delivery of dual-gene targeted siRNAs for drug-resistant cancer treatment. Nanoscale, 2021, 13, 4887-4898.	5.6	12
10	A Bacteria-Inspired Morphology Genetic Biomedical Material: Self-Propelled Artificial Microbots for Metastatic Triple Negative Breast Cancer Treatment. ACS Nano, 2021, 15, 4845-4860.	14.6	22
11	Facile fabrication of multi-pocket nanoparticles with stepwise size transition for promoting deep penetration and tumor targeting. Journal of Nanobiotechnology, 2021, 19, 111.	9.1	12
12	Bioadhesives: Current hotspots and emerging challenges. Current Opinion in Biomedical Engineering, 2021, 18, 100271.	3.4	9
13	Versatile Mitogenic and Differentiationâ€Inducible Layer Formation by Underwater Adhesive Polypeptides. Advanced Science, 2021, 8, 2100961.	11.2	3
14	Subâ€50 nm Supramolecular Nanohybrids with Active Targeting Corona for Imageâ€Guided Solid Tumor Treatment and Metastasis Inhibition. Advanced Functional Materials, 2021, 31, 2103272.	14.9	7
15	A double-network polysaccharide-based composite hydrogel for skin wound healing. Carbohydrate Polymers, 2021, 261, 117870.	10.2	115
16	Bacterium-mimicking sequentially targeted therapeutic nanocomplexes based on O-carboxymethyl chitosan and their cooperative therapy by dual-modality light manipulation. Carbohydrate Polymers, 2021, 264, 118030.	10.2	6
17	Injectable Hydrogel Based on Modified Gelatin and Sodium Alginate for Soft-Tissue Adhesive. Frontiers in Chemistry, 2021, 9, 744099.	3.6	15
18	Fast and High Strength Soft Tissue Bioadhesives Based on a Peptide Dendrimer with Antimicrobial Properties and Hemostatic Ability. ACS Applied Materials & Interfaces, 2020, 12, 4241-4253.	8.0	63

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19	Recent advances and challenges in materials for 3D bioprinting. Progress in Natural Science: Materials International, 2020, 30, 618-634.	4.4	77
20	Injectable Adhesive Self-Healing Multicross-Linked Double-Network Hydrogel Facilitates Full-Thickness Skin Wound Healing. ACS Applied Materials & Interfaces, 2020, 12, 57782-57797.	8.0	154
21	VE-cadherin functionalized injectable PAMAM/HA hydrogel promotes endothelial differentiation of hMSCs and vascularization. Applied Materials Today, 2020, 20, 100690.	4.3	13
22	Cell migration and growth induced by photo-immobilised vascular endothelial growth factor (VEGF) isoforms. Journal of Materials Chemistry B, 2019, 7, 4272-4279.	5.8	23
23	Engineering Niches for Embryonic and Induced Pluripotent Stem Cells. , 2017, , 445-457.		3
24	Insight into the interactions between nanoparticles and cells. Biomaterials Science, 2017, 5, 173-189.	5.4	78
25	Serum-free culturing of human mesenchymal stem cells with immobilized growth factors. Journal of Materials Chemistry B, 2017, 5, 928-934.	5.8	18
26	Enhanced Biological Functions of Human Mesenchymal Stemâ€Cell Aggregates Incorporating Eâ€Cadherinâ€Modified PLGA Microparticles. Advanced Healthcare Materials, 2016, 5, 1949-1959.	7.6	20
27	Surface modification with E-cadherin fusion protein for mesenchymal stem cell culture. Journal of Materials Chemistry B, 2016, 4, 4267-4277.	5.8	14
28	Designed Stem Cell Aggregates: Enhanced Biological Functions of Human Mesenchymal Stemâ€Cell Aggregates Incorporating Eâ€Cadherinâ€Modified PLGA Microparticles (Adv. Healthcare Mater. 15/2016). Advanced Healthcare Materials, 2016, 5, 1992-1992.	7.6	0
29	The significance of membrane fluidity of feeder cell-derived substrates for maintenance of iPS cell stemness. Scientific Reports, 2015, 5, 11386.	3.3	25
30	Nanolayer formation on titanium by phosphonated gelatin for cell adhesion and growth enhancement. International Journal of Nanomedicine, 2015, 10, 5597.	6.7	4
31	Cell response to single-walled carbon nanotubes in hybrid porous collagen sponges. Colloids and Surfaces B: Biointerfaces, 2015, 126, 63-69.	5.0	18
32	Cellular effects of magnetic nanoparticles explored by atomic force microscopy. Biomaterials Science, 2015, 3, 1284-1290.	5.4	12
33	Variation of Mechanical Property of Single-Walled Carbon Nanotubes-Treated Cells Explored by Atomic Force Microscopy. Journal of Biomedical Nanotechnology, 2014, 10, 651-659.	1.1	13
34	Effect of Single-Wall Carbon Nanotubes on Mechanical Property of Chondrocytes. Journal of Nanoscience and Nanotechnology, 2014, 14, 2459-2465.	0.9	13
35	Long-term stem cell labeling by collagen-functionalized single-walled carbon nanotubes. Nanoscale, 2014, 6, 1552-1559.	5.6	16
36	Cellular Uptake of Single-Walled Carbon Nanotubes in 3D Extracellular Matrix-Mimetic Composite Collagen Hydrogels. Journal of Nanoscience and Nanotechnology, 2014, 14, 2487-2492.	0.9	11

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37	Uptake and intracellular distribution of collagen-functionalized single-walled carbon nanotubes. Biomaterials, 2013, 34, 2472-2479.	11.4	55
38	The Synergistic Effect of Aligned Nanofibers and Hyaluronic Acid Modification on Endothelial Cell Behavior for Vascular Tissue Engineering. Journal of Nanoscience and Nanotechnology, 2011, 11, 6718-6725.	0.9	19