

Weihao Yuan

List of Publications by Year in descending order

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Version: 2024-02-01

20
papers

1,153
citations

623734

14
h-index

752698

20
g-index

21
all docs

21
docs citations

21
times ranked

1333
citing authors

#	ARTICLE	IF	CITATIONS
1	Injectable stem cell-laden supramolecular hydrogels enhance in situ osteochondral regeneration via the sustained co-delivery of hydrophilic and hydrophobic chondrogenic molecules. <i>Biomaterials</i> , 2019, 210, 51-61.	11.4	179
2	Ultrafast Self-Gelling and Wet Adhesive Powder for Acute Hemostasis and Wound Healing. <i>Advanced Functional Materials</i> , 2021, 31, 2102583.	14.9	146
3	Adaptable Hydrogels Mediate Cofactor-Assisted Activation of Biomarker-Responsive Drug Delivery via Positive Feedback for Enhanced Tissue Regeneration. <i>Advanced Science</i> , 2018, 5, 1800875.	11.2	141
4	Ultrafast self-gelling powder mediates robust wet adhesion to promote healing of gastrointestinal perforations. <i>Science Advances</i> , 2021, 7, .	10.3	118
5	Immunoregulation of macrophages by dynamic ligand presentation via ligand-cation coordination. <i>Nature Communications</i> , 2019, 10, 1696.	12.8	84
6	3D printed gelatin/hydroxyapatite scaffolds for stem cell chondrogenic differentiation and articular cartilage repair. <i>Biomaterials Science</i> , 2021, 9, 2620-2630.	5.4	73
7	Microscopic local stiffening in a supramolecular hydrogel network expedites stem cell mechanosensing in 3D and bone regeneration. <i>Materials Horizons</i> , 2021, 8, 1722-1734.	12.2	62
8	Bisphosphonate-based nanocomposite hydrogels for biomedical applications. <i>Bioactive Materials</i> , 2020, 5, 819-831.	15.6	55
9	Cell-adaptable dynamic hydrogel reinforced with stem cells improves the functional repair of spinal cord injury by alleviating neuroinflammation. <i>Biomaterials</i> , 2021, 279, 121190.	11.4	53
10	Highly Dynamic Nanocomposite Hydrogels Self-Assembled by Metal Ion-Ligand Coordination. <i>Small</i> , 2019, 15, e1900242.	10.0	45
11	Magnesium-Encapsulated Injectable Hydrogel and 3D-Engineered Polycaprolactone Conduit Facilitate Peripheral Nerve Regeneration. <i>Advanced Science</i> , 2022, 9, .	11.2	45
12	Injectable supramolecular gelatin hydrogel loading of resveratrol and histatin-1 for burn wound therapy. <i>Biomaterials Science</i> , 2020, 8, 4810-4820.	5.4	40
13	Soft Polymeric Matrix as a Macroscopic Cage for Magnetically Modulating Reversible Nanoscale Ligand Presentation. <i>Nano Letters</i> , 2020, 20, 3207-3216.	9.1	34
14	Phage-Derived Depolymerase as an Antibiotic Adjuvant Against Multidrug-Resistant <i>Acinetobacter baumannii</i> . <i>Frontiers in Microbiology</i> , 2022, 13, 845500.	3.5	21
15	The Effect of the Nanoparticle Shape on T Cell Activation. <i>Small</i> , 2022, 18, e2107373.	10.0	15
16	Multiscale reconstruction of a synthetic biomimetic micro-niche for enhancing and monitoring the differentiation of stem cells. <i>Biomaterials</i> , 2018, 173, 87-99.	11.4	14
17	Design and evaluation of mPEG-PLA micelles functionalized with drug-interactive domains as improved drug carriers for docetaxel delivery. <i>Journal of Biomaterials Science, Polymer Edition</i> , 2017, 28, 1538-1555.	3.5	9
18	Dynamic cell-adaptable hydrogels with a moderate level of elasticity promote 3D development of encapsulated cells. <i>Applied Materials Today</i> , 2021, 22, 100892.	4.3	9

#	ARTICLE	IF	CITATIONS
19	Rejuvenated ageing mesenchymal stem cells by stepwise preconditioning ameliorates surgery-induced osteoarthritis in rabbits. <i>Bone and Joint Research</i> , 2021, 10, 10-21.	3.6	9
20	Polypeptide coatings on biominerals with superior antimicrobial and antifouling properties inspired by human salivary proteins. <i>Applied Materials Today</i> , 2022, 27, 101446.	4.3	1