

Zhengwei Cai

List of Publications by Year in descending order

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Version: 2024-02-01

29
papers

1,313
citations

430874

18
h-index

477307

29
g-index

29
all docs

29
docs citations

29
times ranked

1046
citing authors

#	ARTICLE	IF	CITATIONS
1	Injectable Polypeptide-Protein Hydrogels for Promoting Infected Wound Healing. <i>Advanced Functional Materials</i> , 2020, 30, 2001196.	14.9	186
2	Capturing Magnesium Ions <i>via</i> Microfluidic Hydrogel Microspheres for Promoting Cancellous Bone Regeneration. <i>ACS Nano</i> , 2021, 15, 13041-13054.	14.6	133
3	Injectable Microfluidic Hydrogel Microspheres for Cell and Drug Delivery. <i>Advanced Functional Materials</i> , 2021, 31, 2103339.	14.9	117
4	Colon-Targeted Adhesive Hydrogel Microsphere for Regulation of Gut Immunity and Flora. <i>Advanced Science</i> , 2021, 8, e2101619.	11.2	91
5	Injectable hydrogel microspheres with self-renewable hydration layers alleviate osteoarthritis. <i>Science Advances</i> , 2022, 8, eabl6449.	10.3	90
6	Advanced Biomaterials for Regulating Polarization of Macrophages in Wound Healing. <i>Advanced Functional Materials</i> , 2022, 32, .	14.9	68
7	Black phosphorus-based 2D materials for bone therapy. <i>Bioactive Materials</i> , 2020, 5, 1026-1043.	15.6	60
8	Bioinspired Functional Black Phosphorus Electrospun Fibers Achieving Recruitment and Biom mineralization for Staged Bone Regeneration. <i>Small</i> , 2020, 16, e2005433.	10.0	57
9	Photosensitive Hydrogel Creates Favorable Biologic Niches to Promote Spinal Cord Injury Repair. <i>Advanced Healthcare Materials</i> , 2019, 8, e1900013.	7.6	52
10	Stem Cell-Recruiting Injectable Microgels for Repairing Osteoarthritis. <i>Advanced Functional Materials</i> , 2021, 31, 2105084.	14.9	48
11	Precise Construction of Cell-Instructive 3D Microenvironments by Photopatterning a Biodegradable Hydrogel. <i>Chemistry of Materials</i> , 2019, 31, 4710-4719.	6.7	43
12	Flexible Osteogenic Glue as an All-in-One Solution to Assist Fracture Fixation and Healing. <i>Advanced Functional Materials</i> , 2021, 31, 2102465.	14.9	40
13	Exhausted local lactate accumulation via injectable nanozyme-functionalized hydrogel microsphere for inflammation relief and tissue regeneration. <i>Bioactive Materials</i> , 2022, 12, 153-168.	15.6	40
14	Inhaled ACE2-engineered microfluidic microsphere for intratracheal neutralization of COVID-19 and calming of the cytokine storm. <i>Matter</i> , 2022, 5, 336-362.	10.0	39
15	Capturing dynamic biological signals via bio-mimicking hydrogel for precise remodeling of soft tissue. <i>Bioactive Materials</i> , 2021, 6, 4506-4516.	15.6	36
16	Shear-responsive boundary-lubricated hydrogels attenuate osteoarthritis. <i>Bioactive Materials</i> , 2022, 16, 472-484.	15.6	31
17	Balancing Microthrombosis and Inflammation via Injectable Protein Hydrogel for Inflammatory Bowel Disease. <i>Advanced Science</i> , 2022, 9, e2200281.	11.2	26
18	Microfluidic Hydrogel Microspheres: Injectable Microfluidic Hydrogel Microspheres for Cell and Drug Delivery (<i>Adv. Funct. Mater.</i> 31/2021). <i>Advanced Functional Materials</i> , 2021, 31, 2170227.	14.9	25

#	ARTICLE	IF	CITATIONS
19	Adhesive and Injectable Hydrogel Microspheres for Inner Ear Treatment. <i>Small</i> , 2022, 18, e2106591.	10.0	24
20	Biological signal integrated microfluidic hydrogel microspheres for promoting bone regeneration. <i>Chemical Engineering Journal</i> , 2022, 436, 135176.	12.7	20
21	Injectable and Self-Healing Hydrogel with Anti-Bacterial and Anti-Inflammatory Properties for Acute Bacterial Rhinosinusitis with Micro Invasive Treatment. <i>Advanced Healthcare Materials</i> , 2020, 9, e2001032.	7.6	17
22	Heat-Shrinkable Electrospun Fibrous Tape for Restoring Structure and Function of Loose Soft Tissue. <i>Advanced Functional Materials</i> , 2021, 31, 2007440.	14.9	17
23	Improving drug utilization platform with injectable mucoadhesive hydrogel for treating ulcerative colitis. <i>Chemical Engineering Journal</i> , 2021, 424, 130464.	12.7	13
24	Modulated integrin signaling receptors of stem cells via ultra-soft hydrogel for promoting angiogenesis. <i>Composites Part B: Engineering</i> , 2022, 234, 109747.	12.0	12
25	Charge and receptor functional injectable hydrogels as cytokine-releasing reservoirs for wound healing. <i>Chemical Engineering Journal</i> , 2022, 450, 137880.	12.7	9
26	Stem Cell-Recruiting Injectable Microgels for Repairing Osteoarthritis (<i>Adv. Funct. Mater.</i> 48/2021). <i>Advanced Functional Materials</i> , 2021, 31, 2170357.	14.9	8
27	Photo and Reduction Dual-Responsive Hydrogel for Regulating Cell Adhesion and Cell Sheet Harvest. <i>ACS Applied Bio Materials</i> , 2020, 3, 2410-2418.	4.6	7
28	Nutrient capsules maintain tear film homeostasis for human corneal lenticule transplantation. <i>Chemical Engineering Journal</i> , 2022, 450, 138078.	12.7	3
29	Electrospun Fibrous Tapes: Heat-Shrinkable Electrospun Fibrous Tape for Restoring Structure and Function of Loose Soft Tissue (<i>Adv. Funct. Mater.</i> 8/2021). <i>Advanced Functional Materials</i> , 2021, 31, 2170054.	14.9	1