

Ruoyu Chen

List of Publications by Year in descending order

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Version: 2024-02-01

27
papers

1,665
citations

361413
20
h-index

610901
24
g-index

27
all docs

27
docs citations

27
times ranked

2339
citing authors

#	ARTICLE	IF	CITATIONS
1	Vascularized 3D printed scaffolds for promoting bone regeneration. <i>Biomaterials</i> , 2019, 190-191, 97-110.	11.4	345
2	An injectable self-healing coordinative hydrogel with antibacterial and angiogenic properties for diabetic skin wound repair. <i>NPG Asia Materials</i> , 2019, 11, .	7.9	260
3	Self-Healing and Injectable Hydrogel for Matching Skin Flap Regeneration. <i>Advanced Science</i> , 2019, 6, 1801555.	11.2	140
4	Advanced liposome-loaded scaffolds for therapeutic and tissue engineering applications. <i>Biomaterials</i> , 2020, 232, 119706.	11.4	127
5	Inorganic Strengthened Hydrogel Membrane as Regenerative Periosteum. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 41168-41180.	8.0	126
6	ECM-inspired micro/nanofibers for modulating cell function and tissue generation. <i>Science Advances</i> , 2020, 6, .	10.3	78
7	Mechanically enhanced lipo-hydrogel with controlled release of multi-type drugs for bone regeneration. <i>Applied Materials Today</i> , 2018, 12, 294-308.	4.3	77
8	Biomimetic organic-inorganic hybrid hydrogel electrospinning periosteum for accelerating bone regeneration. <i>Materials Science and Engineering C</i> , 2020, 110, 110670.	7.3	67
9	Adjustable hardness of hydrogel for promoting vascularization and maintaining stemness of stem cells in skin flap regeneration. <i>Applied Materials Today</i> , 2018, 13, 54-63.	4.3	42
10	Development of vaccine formulations: past, present, and future. <i>Drug Delivery and Translational Research</i> , 2021, 11, 353-372.	5.8	41
11	Local release of gemcitabine via <i>in situ</i> UV-crosslinked lipid-strengthened hydrogel for inhibiting osteosarcoma. <i>Drug Delivery</i> , 2018, 25, 1642-1651.	5.7	37
12	Adhesive nanoparticles with inflammation regulation for promoting skin flap regeneration. <i>Journal of Controlled Release</i> , 2019, 297, 91-101.	9.9	37
13	Nanoparticle-mediated siRNA delivery systems for cancer therapy. <i>View</i> , 2021, 2, 20200111.	5.3	36
14	Localized Controlled Delivery of Gemcitabine via Microsol Electrospun Fibers to Prevent Pancreatic Cancer Recurrence. <i>Advanced Healthcare Materials</i> , 2018, 7, e1800593.	7.6	35
15	Nanoparticle-Embedded Electrospun Fiber-Covered Stent to Assist Intraluminal Photodynamic Treatment of Oesophageal Cancer. <i>Small</i> , 2019, 15, e1904979.	10.0	33
16	Regulation of the inflammatory cycle by a controllable release hydrogel for eliminating postoperative inflammation after discectomy. <i>Bioactive Materials</i> , 2021, 6, 146-157.	15.6	33
17	Sustained Release of Melatonin from GelMA Liposomes Reduced Osteoblast Apoptosis and Improved Implant Osseointegration in Osteoporosis. <i>Oxidative Medicine and Cellular Longevity</i> , 2020, 2020, 1-20.	4.0	28
18	Rapid Extracellular Matrix Remodeling via Gene-Electrospun Fibers as a Patch for Tissue Regeneration. <i>Advanced Functional Materials</i> , 2021, 31, 2009879.	14.9	25

#	ARTICLE	IF	CITATIONS
19	Multifunctional Biomimetic Nanovaccines Based on Photothermal and Weak κ Immunostimulatory Nanoparticulate Cores for the Immunotherapy of Solid Tumors. <i>Advanced Materials</i> , 2022, 34, e2108012.	21.0	25
20	Osteogenic and antiseptic nanocoating by in situ chitosan regulated electrochemical deposition for promoting osseointegration. <i>Materials Science and Engineering C</i> , 2019, 102, 415-426.	7.3	22
21	Recombination Monophosphoryl Lipid A-Derived Vacosome for the Development of Preventive Cancer Vaccines. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 44554-44562.	8.0	17
22	Vascularized silk electrospun fiber for promoting oral mucosa regeneration. <i>NPG Asia Materials</i> , 2020, 12, .	7.9	17
23	Honeycomb-Like Hydrogel Microspheres for 3D Bulk Construction of Tumor Models. <i>Research</i> , 2022, 2022, 9809763.	5.7	11
24	Quantitative Analysis of Porous Silicon Nanoparticles Functionalization by ^{1}H NMR. <i>ACS Biomaterials Science and Engineering</i> , 2022, 8, 4132-4139.	5.2	5
25	Postoperative placement of an anti κ fibrotic poly L κ lactide electrospun fibrous membrane after sinus surgery. <i>International Forum of Allergy and Rhinology</i> , 2020, 10, 1285-1294.	2.8	1
26	Self κ Healing: Self κ Healing and Injectable Hydrogel for Matching Skin Flap Regeneration (<i>Adv. Sci.</i> 3/2019). <i>Advanced Science</i> , 2019, 6, 1970019.	11.2	0
27	Multifunctional Biomimetic Nanovaccines Based on Photothermal and Weak κ Immunostimulatory Nanoparticulate Cores for the Immunotherapy of Solid Tumors (<i>Adv. Mater.</i> 9/2022). <i>Advanced Materials</i> , 2022, 34, .	21.0	0