

# Ruoyu Chen

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/5869369/publications.pdf>

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	Quantitative Analysis of Porous Silicon Nanoparticles Functionalization by <sup>1</sup> H NMR. ACS Biomaterials Science and Engineering, 2022, 8, 4132-4139.	5.2	5
2	Multifunctional Biomimetic Nanovaccines Based on Photothermal and Weak Immunostimulatory Nanoparticulate Cores for the Immunotherapy of Solid Tumors. Advanced Materials, 2022, 34, e2108012.	21.0	25
3	Honeycomb-Like Hydrogel Microspheres for 3D Bulk Construction of Tumor Models. Research, 2022, 2022, 9809763.	5.7	11
4	Multifunctional Biomimetic Nanovaccines Based on Photothermal and Weak Immunostimulatory Nanoparticulate Cores for the Immunotherapy of Solid Tumors (Adv. Mater. 9/2022). Advanced Materials, 2022, 34, .	21.0	0
5	Regulation of the inflammatory cycle by a controllable release hydrogel for eliminating postoperative inflammation after discectomy. Bioactive Materials, 2021, 6, 146-157.	15.6	33
6	Development of vaccine formulations: past, present, and future. Drug Delivery and Translational Research, 2021, 11, 353-372.	5.8	41
7	Rapid Extracellular Matrix Remodeling via Gene-Electrospun Fibers as a Patch for Tissue Regeneration. Advanced Functional Materials, 2021, 31, 2009879.	14.9	25
8	Nanoparticle-mediated siRNA delivery systems for cancer therapy. View, 2021, 2, 20200111.	5.3	36
9	Advanced liposome-loaded scaffolds for therapeutic and tissue engineering applications. Biomaterials, 2020, 232, 119706.	11.4	127
10	Recombination Monophosphoryl Lipid A-Derived Vacosome for the Development of Preventive Cancer Vaccines. ACS Applied Materials & Interfaces, 2020, 12, 44554-44562.	8.0	17
11	Postoperative placement of an anti-fibrotic poly L-lactide electrospun fibrous membrane after sinus surgery. International Forum of Allergy and Rhinology, 2020, 10, 1285-1294.	2.8	1
12	ECM-inspired micro/nanofibers for modulating cell function and tissue generation. Science Advances, 2020, 6, .	10.3	78
13	Sustained Release of Melatonin from GelMA Liposomes Reduced Osteoblast Apoptosis and Improved Implant Osseointegration in Osteoporosis. Oxidative Medicine and Cellular Longevity, 2020, 2020, 1-20.	4.0	28
14	Vascularized silk electrospun fiber for promoting oral mucosa regeneration. NPG Asia Materials, 2020, 12, .	7.9	17
15	Biomimetic organic-inorganic hybrid hydrogel electrospinning periosteum for accelerating bone regeneration. Materials Science and Engineering C, 2020, 110, 110670.	7.3	67
16	Nanoparticle-Embedded Electrospun Fiber-Covered Stent to Assist Intraluminal Photodynamic Treatment of Oesophageal Cancer. Small, 2019, 15, e1904979.	10.0	33
17	An injectable self-healing coordinative hydrogel with antibacterial and angiogenic properties for diabetic skin wound repair. NPG Asia Materials, 2019, 11, .	7.9	260
18	Adhesive nanoparticles with inflammation regulation for promoting skin flap regeneration. Journal of Controlled Release, 2019, 297, 91-101.	9.9	37

#	ARTICLE	IF	CITATIONS
19	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
20	Self-Healing: Self-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
21	Self-Healing and Injectable Hydrogel for Matching Skin Flap Regeneration. <i>Advanced Science</i> , 2019, 6, 1801555.	11.2	140
22	Vascularized 3D printed scaffolds for promoting bone regeneration. <i>Biomaterials</i> , 2019, 190-191, 97-110.	11.4	345
23	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
24	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
25	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
26	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
27	Inorganic Strengthened Hydrogel Membrane as Regenerative Periosteum. <i>ACS Applied Materials &amp; Interfaces</i> , 2017, 9, 41168-41180.	8.0	126