

Jinfeng Liao

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

55
papers

2,320
citations

26
h-index

47
g-index

62
ext. papers

2,886
ext. citations

7
avg. IF

5.39
L-index

#	Paper	IF	Citations
55	Nanomaterials and bone regeneration. <i>Bone Research</i> , 2015 , 3, 15029	13.3	321
54	The Effect of shape on Cellular Uptake of Gold Nanoparticles in the forms of Stars, Rods, and Triangles. <i>Scientific Reports</i> , 2017 , 7, 3827	4.9	181
53	Combined cancer photothermal-chemotherapy based on doxorubicin/gold nanorod-loaded polymersomes. <i>Theranostics</i> , 2015 , 5, 345-56	12.1	153
52	Injectable thermosensitive PEG-PCL-PEG hydrogel/acellular bone matrix composite for bone regeneration in cranial defects. <i>Biomaterials</i> , 2014 , 35, 236-48	15.6	111
51	Biodegradable CSMA/PECA/Graphene Porous Hybrid Scaffold for Cartilage Tissue Engineering. <i>Scientific Reports</i> , 2015 , 5, 9879	4.9	108
50	Controlled release of cisplatin from pH-thermal dual responsive nanogels. <i>Biomaterials</i> , 2013 , 34, 8726-40	15.6	96
49	The fabrication of biomimetic biphasic CAN-PAC hydrogel with a seamless interfacial layer applied in osteochondral defect repair. <i>Bone Research</i> , 2017 , 5, 17018	13.3	96
48	Mesoporous magnetic gold "nanoclusters" as theranostic carrier for chemo-photothermal co-therapy of breast cancer. <i>Theranostics</i> , 2014 , 4, 678-92	12.1	95
47	A biodegradable thermo-responsive hybrid hydrogel: therapeutic applications in preventing the post-operative recurrence of breast cancer. <i>NPG Asia Materials</i> , 2015 , 7, e207-e207	10.3	92
46	The design, mechanism and biomedical application of self-healing hydrogels. <i>Chinese Chemical Letters</i> , 2017 , 28, 1857-1874	8.1	85
45	Polymer hybrid magnetic nanocapsules encapsulating IR820 and PTX for external magnetic field-guided tumor targeting and multifunctional theranostics. <i>Nanoscale</i> , 2017 , 9, 2479-2491	7.7	71
44	Recent developments in scaffold-guided cartilage tissue regeneration. <i>Journal of Biomedical Nanotechnology</i> , 2014 , 10, 3085-104	4	55
43	Label-free alpha fetoprotein immunosensor established by the facile synthesis of a palladium-graphene nanocomposite. <i>Biosensors and Bioelectronics</i> , 2014 , 61, 245-50	11.8	55
42	Injectable Alginate Hydrogel Cross-Linked by Calcium Gluconate-Loaded Porous Microspheres for Cartilage Tissue Engineering. <i>ACS Omega</i> , 2017 , 2, 443-454	3.9	54
41	Recent advances in formation, properties, and applications of polymersomes. <i>Current Pharmaceutical Design</i> , 2012 , 18, 3432-41	3.3	52
40	Synthesis and characterization of novel dual-responsive nanogels and their application as drug delivery systems. <i>Nanoscale</i> , 2012 , 4, 2694-704	7.7	51
39	Graphene-Nanoparticle-Based Self-Healing Hydrogel in Preventing Postoperative Recurrence of Breast Cancer. <i>ACS Biomaterials Science and Engineering</i> , 2019 , 5, 768-779	5.5	50

38	The immune reaction and degradation fate of scaffold in cartilage/bone tissue engineering. <i>Materials Science and Engineering C</i> , 2019 , 104, 109927	8.3	43
37	Fabrication of Calcium Phosphate Microflowers and Their Extended Application in Bone Regeneration. <i>ACS Applied Materials & Interfaces</i> , 2017 , 9, 30437-30447	9.5	43
36	Review of a new bone tumor therapy strategy based on bifunctional biomaterials. <i>Bone Research</i> , 2021 , 9, 18	13.3	39
35	Hybrid cellulose nanocrystal/alginate/gelatin scaffold with improved mechanical properties and guided wound healing.. <i>RSC Advances</i> , 2019 , 9, 22966-22979	3.7	38
34	PCL-PEG-PCL film promotes cartilage regeneration in vivo. <i>Cell Proliferation</i> , 2016 , 49, 729-739	7.9	36
33	Injectable and thermosensitive TGF- β -loaded PCEC hydrogel system for in vivo cartilage repair. <i>Scientific Reports</i> , 2017 , 7, 10553	4.9	35
32	Gold nanorods and nanohydroxyapatite hybrid hydrogel for preventing bone tumor recurrence via postoperative photothermal therapy and bone regeneration promotion. <i>Bioactive Materials</i> , 2021 , 6, 2221-2230	16.7	35
31	Injectable Hybrid Poly(ϵ -caprolactone)-poly(ethylene glycol)-poly(ϵ -caprolactone) Porous Microspheres/Alginate Hydrogel Cross-linked by Calcium Gluconate Crystals Deposited in the Pores of Microspheres Improved Skin Wound Healing. <i>ACS Biomaterials Science and Engineering</i> , 2018 , 4, 1029-1036	5.5	31
30	Green synthesis of carrier-free curcumin nanodrugs for light-activated breast cancer photodynamic therapy. <i>Colloids and Surfaces B: Biointerfaces</i> , 2019 , 180, 313-318	6	27
29	Biomaterial-based strategies for maxillofacial tumour therapy and bone defect regeneration. <i>International Journal of Oral Science</i> , 2021 , 13, 9	27.9	24
28	Tea Polyphenol-Functionalized Graphene/Chitosan as an Experimental Platform with Improved Mechanical Behavior and Bioactivity. <i>ACS Applied Materials & Interfaces</i> , 2015 , 7, 20893-901	9.5	23
27	A Review on Hydrogels with Photothermal Effect in Wound Healing and Bone Tissue Engineering. <i>Polymers</i> , 2021 , 13,	4.5	20
26	Physical-, chemical-, and biological-responsive nanomedicine for cancer therapy. <i>Wiley Interdisciplinary Reviews: Nanomedicine and Nanobiotechnology</i> , 2020 , 12, e1581	9.2	20
25	Multifunctional nanostructured materials for multimodal cancer imaging and therapy. <i>Journal of Nanoscience and Nanotechnology</i> , 2014 , 14, 175-89	1.3	16
24	Advances and trends of hydrogel therapy platform in localized tumor treatment: A review. <i>Journal of Biomedical Materials Research - Part A</i> , 2021 , 109, 404-425	5.4	16
23	Different Sources of Stem Cells and their Application in Cartilage Tissue Engineering. <i>Current Stem Cell Research and Therapy</i> , 2018 , 13, 568-575	3.6	15
22	Anti-tumor activity and safety evaluation of fisetin-loaded methoxy poly(ethylene glycol)-poly(epsilon-caprolactone) nanoparticles. <i>Journal of Biomedical Nanotechnology</i> , 2014 , 10, 580-94		14
21	Dexamethasone-loaded poly(D, L-lactic acid) microspheres/poly(ethylene glycol)-poly(epsilon-caprolactone)-poly(ethylene glycol) micelles composite for skin augmentation. <i>Journal of Biomedical Nanotechnology</i> , 2014 , 10, 592-602	4	11

20	Improvement of Gold Nanorods in Photothermal Therapy: Recent Progress and Perspective. <i>Frontiers in Pharmacology</i> , 2021 , 12, 664123	5.6	11
19	Curcumin-Microsphere/IR820 Hybrid Bifunctional Hydrogels for In Situ Osteosarcoma Chemo--Thermal Therapy and Bone Reconstruction. <i>ACS Applied Materials & Interfaces</i> , 2021 , 13, 31542-31553	9.5	11
18	Colorimetric detection of cancer biomarker based on pH induced color change. <i>Sensors and Actuators B: Chemical</i> , 2012 , 166-167, 56-60	8.5	10
17	The Review of Nanomaterials Inducing the Differentiation of Stem Cells into Chondrocyte Phenotypes in Cartilage Tissue Engineering. <i>Current Stem Cell Research and Therapy</i> , 2018 , 13, 600-607	3.6	10
16	A potential flower-like coating consisting of calcium-phosphate nanosheets on titanium surface. <i>Chinese Chemical Letters</i> , 2017 , 28, 1893-1896	8.1	8
15	Preparation and Properties of Nano-Hydroxyapatite/Gelatin/Poly(vinyl alcohol) Composite Membrane. <i>Journal of Nanoscience and Nanotechnology</i> , 2015 , 15, 4188-92	1.3	7
14	Role of Hydrogels in Bone Tissue Engineering: How Properties Shape Regeneration. <i>Journal of Biomedical Nanotechnology</i> , 2020 , 16, 1667-1686	4	7
13	Influences of Tumor Necrosis Factor- α on Lysyl Oxidases and Matrix Metalloproteinases of Injured Anterior Cruciate Ligament and Medial Collateral Ligament Fibroblasts. <i>Journal of Knee Surgery</i> , 2017 , 30, 78-87	2.4	5
12	Characterization, Specific Demand and Application of Nanomaterials in Bone Regeneration. <i>Journal of Nanoscience and Nanotechnology</i> , 2016 , 16, 9381-9392	1.3	5
11	A Nonenzymatic Electrochemical Immunosensor for Ultrasensitive Detection of Tumor Biomarkers Based on Palladium Nanoparticles Conjugated Reduced Graphene Nanosheets. <i>Journal of Biomedical Nanotechnology</i> , 2015 , 11, 2050-6	4	4
10	Physical Cues Drive Chondrogenic Differentiation. <i>Current Stem Cell Research and Therapy</i> , 2018 , 13, 576-582	3.6	4
9	Near-infrared light-responsive hybrid hydrogels for the synergistic chemo-photothermal therapy of oral cancer. <i>Nanoscale</i> , 2021 , 13, 17168-17182	7.7	4
8	Research on Graphene and Its Derivatives in Oral Disease Treatment.. <i>International Journal of Molecular Sciences</i> , 2022 , 23,	6.3	4
7	Near-infrared light control of GelMA/PMMA/PDA hydrogel with mild photothermal therapy for skull regeneration.. <i>Materials Science and Engineering C</i> , 2022 , 112641	8.3	3
6	Restorative biodegradable two-layered hybrid microneedles for melanoma photothermal/chemo co-therapy and wound healing.. <i>Journal of Nanobiotechnology</i> , 2022 , 20, 238	9.4	3
5	A Review on the Design of Hydrogels With Different Stiffness and Their Effects on Tissue Repair.. <i>Frontiers in Bioengineering and Biotechnology</i> , 2022 , 10, 817391	5.8	2
4	Preparation and Characterization of Epoxidized Methyl Oleate-Graphite Oxide/Poly(L-lactide) Electrospun Hybrid Fibrous Scaffolds for Tissue Engineering Applications. <i>Science of Advanced Materials</i> , 2014 , 6, 1769-1777	2.3	2
3	Photothermal hydrogel platform for prevention of post-surgical tumor recurrence and improving breast reconstruction. <i>Journal of Nanobiotechnology</i> , 2021 , 19, 307	9.4	2

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| 2 | Broadening the biocompatibility of gold nanorods from rat to <i>Macaca fascicularis</i> : advancing clinical potential. <i>Journal of Nanobiotechnology</i> , 2021 , 19, 195 | 9.4 | 1 |
| 1 | Recent Research on Hybrid Hydrogels for Infection Treatment and Bone Repair. <i>Gels</i> , 2022 , 8, 306 | 4.2 | 0 |