

Jinfeng Liao

List of Publications by Year in Descending Order

Source: <https://exaly.com/author-pdf/1485892/jinfeng-liao-publications-by-year.pdf>

Version: 2024-04-19

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

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	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
54	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
53	Research on Graphene and Its Derivatives in Oral Disease Treatment.. <i>International Journal of Molecular Sciences</i> , 2022 , 23,	6.3	4
52	Recent Research on Hybrid Hydrogels for Infection Treatment and Bone Repair. <i>Gels</i> , 2022 , 8, 306	4.2	0
51	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
50	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
49	Biomaterial-based strategies for maxillofacial tumour therapy and bone defect regeneration. <i>International Journal of Oral Science</i> , 2021 , 13, 9	27.9	24
48	Review of a new bone tumor therapy strategy based on bifunctional biomaterials. <i>Bone Research</i> , 2021 , 9, 18	13.3	39
47	Improvement of Gold Nanorods in Photothermal Therapy: Recent Progress and Perspective. <i>Frontiers in Pharmacology</i> , 2021 , 12, 664123	5.6	11
46	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
45	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
44	A Review on Hydrogels with Photothermal Effect in Wound Healing and Bone Tissue Engineering. <i>Polymers</i> , 2021 , 13,	4.5	20
43	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
42	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
41	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
40	Role of Hydrogels in Bone Tissue Engineering: How Properties Shape Regeneration. <i>Journal of Biomedical Nanotechnology</i> , 2020 , 16, 1667-1686	4	7
39	Physical-, chemical-, and biological-responsive nanomedicine for cancer therapy. <i>Wiley Interdisciplinary Reviews: Nanomedicine and Nanobiotechnology</i> , 2020 , 12, e1581	9.2	20

38	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
37	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
36	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
35	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
34	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
33	Physical Cues Drive Chondrogenic Differentiation. <i>Current Stem Cell Research and Therapy</i> , 2018 , 13, 576-582	3.6	4
32	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
31	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
30	Influences of Tumor Necrosis Factor-β 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
29	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
28	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
27	The design, mechanism and biomedical application of self-healing hydrogels. <i>Chinese Chemical Letters</i> , 2017 , 28, 1857-1874	8.1	85
26	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
25	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
24	Injectable and thermosensitive TGF-β1-loaded PCEC hydrogel system for in vivo cartilage repair. <i>Scientific Reports</i> , 2017 , 7, 10553	4.9	35
23	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
22	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
21	PCL-PEG-PCL film promotes cartilage regeneration in vivo. <i>Cell Proliferation</i> , 2016 , 49, 729-739	7.9	36

20	Characterization, Specific Demand and Application of Nanomaterials in Bone Regeneration. <i>Journal of Nanoscience and Nanotechnology</i> , 2016 , 16, 9381-9392	1.3	5
19	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
18	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
17	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
16	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
15	Nanomaterials and bone regeneration. <i>Bone Research</i> , 2015 , 3, 15029	13.3	321
14	Combined cancer photothermal-chemotherapy based on doxorubicin/gold nanorod-loaded polymersomes. <i>Theranostics</i> , 2015 , 5, 345-56	12.1	153
13	Biodegradable CSMA/PECA/Graphene Porous Hybrid Scaffold for Cartilage Tissue Engineering. <i>Scientific Reports</i> , 2015 , 5, 9879	4.9	108
12	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
11	Recent developments in scaffold-guided cartilage tissue regeneration. <i>Journal of Biomedical Nanotechnology</i> , 2014 , 10, 3085-104	4	55
10	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
9	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
8	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
7	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
6	Multifunctional nanostructured materials for multimodal cancer imaging and therapy. <i>Journal of Nanoscience and Nanotechnology</i> , 2014 , 14, 175-89	1.3	16
5	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
4	Controlled release of cisplatin from pH-thermal dual responsive nanogels. <i>Biomaterials</i> , 2013 , 34, 8726-40.6	5.6	96
3	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

2	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
1	Recent advances in formation, properties, and applications of polymersomes. <i>Current Pharmaceutical Design</i> , 2012 , 18, 3432-41	3-3	52