

# Xiaoyang Xu

## List of Publications by Year in Descending Order

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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.

31  
papers

3,708  
citations

17  
h-index

33  
g-index

33  
ext. papers

4,420  
ext. citations

9.8  
avg, IF

5.64  
L-index

#	Paper	IF	Citations
31	Injectable Hydrogels for Vascular Tissue Engineering. <i>Methods in Molecular Biology</i> , <b>2022</b> , 2375, 165-176	1.4	
30	Targeted delivery of a STING agonist to brain tumors using bioengineered protein nanoparticles for enhanced immunotherapy.. <i>Bioactive Materials</i> , <b>2022</b> , 16, 232-248	16.7	3
29	Identification and Characterization of a Novel Long Noncoding RNA that Regulates Osteogenesis in Diet-Induced Obesity Mice.. <i>Frontiers in Cell and Developmental Biology</i> , <b>2022</b> , 10, 832460	5.7	0
28	Injectable hydrogel mediated delivery of gene-engineered adipose-derived stem cells for enhanced osteoarthritis treatment. <i>Biomaterials Science</i> , <b>2021</b> , 9, 7603-7616	7.4	2
27	Injectable PLGA-Coated Ropivacaine Produces A Long-Lasting Analgesic Effect on Incisional Pain and Neuropathic Pain. <i>Journal of Pain</i> , <b>2021</b> , 22, 180-195	5.2	5
26	Next-Generation Vaccines: Nanoparticle-Mediated DNA and mRNA Delivery. <i>Advanced Healthcare Materials</i> , <b>2021</b> , 10, e2001812	10.1	47
25	Roles and Mechanisms of Irisin in Attenuating Pathological Features of Osteoarthritis. <i>Frontiers in Cell and Developmental Biology</i> , <b>2021</b> , 9, 703670	5.7	4
24	An intrinsically bioactive hydrogel with on-demand drug release behaviors for diabetic wound healing. <i>Bioactive Materials</i> , <b>2021</b> , 6, 4592-4606	16.7	23
23	Nanoparticle depots for controlled and sustained gene delivery. <i>Journal of Controlled Release</i> , <b>2020</b> , 322, 622-631	11.7	9
22	Nanomedicine Approaches for Advanced Diagnosis and Treatment of Atherosclerosis and Related Ischemic Diseases. <i>Advanced Healthcare Materials</i> , <b>2020</b> , 9, e2000336	10.1	17
21	Biodegradable nanoparticles decorated with different carbohydrates for efficient macrophage-targeted gene therapy. <i>Journal of Controlled Release</i> , <b>2020</b> , 323, 179-190	11.7	14
20	Injectable Citrate-Based Hydrogel as an Angiogenic Biomaterial Improves Cardiac Repair after Myocardial Infarction. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2019</b> , 11, 38429-38439	9.5	36
19	Nanotechnology-Mediated Drug Delivery for the Treatment of Obesity and Its Related Comorbidities. <i>Advanced Healthcare Materials</i> , <b>2019</b> , 8, e1801184	10.1	14
18	Lysosome-targeting NIR ratiometric luminescent upconversion nanoprobe toward arginine. <i>Sensors and Actuators B: Chemical</i> , <b>2019</b> , 280, 94-101	8.5	22
17	Dopant-Free Hydrogels with Intrinsic Photoluminescence and Biodegradable Properties. <i>Advanced Functional Materials</i> , <b>2018</b> , 28, 1802607	15.6	21
16	Dual-Functional Dextran-PEG Hydrogel as an Antimicrobial Biomedical Material. <i>Macromolecular Bioscience</i> , <b>2018</b> , 18, 1700325	5.5	25
15	Exploring cutting-edge hydrogel technologies and their biomedical applications. <i>Bioactive Materials</i> , <b>2018</b> , 3, 446-447	16.7	1

14	Bioactive hydrogels for bone regeneration. <i>Bioactive Materials</i> , <b>2018</b> , 3, 401-417	16.7	213
13	Drug Delivery to the Brain across the Blood-Brain Barrier Using Nanomaterials. <i>Small</i> , <b>2017</b> , 13, 170192111		97
12	Synthesis of PLGA-Lipid Hybrid Nanoparticles for siRNA Delivery Using the Emulsion Method PLGA-PEG-Lipid Nanoparticles for siRNA Delivery. <i>Methods in Molecular Biology</i> , <b>2017</b> , 1632, 231-240	1.4	10
11	Highly specific colorimetric detection of DNA oxidation biomarker using gold nanoparticle/triplex DNA conjugates. <i>Nanomedicine: Nanotechnology, Biology, and Medicine</i> , <b>2016</b> , 12, 2101-2105	6	10
10	Hydrogel as a bioactive material to regulate stem cell fate. <i>Bioactive Materials</i> , <b>2016</b> , 1, 39-55	16.7	151
9	Preventing diet-induced obesity in mice by adipose tissue transformation and angiogenesis using targeted nanoparticles. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2016</b> , 113, 5552-7	11.5	98
8	Biomaterials in siRNA Delivery: A Comprehensive Review. <i>Advanced Healthcare Materials</i> , <b>2016</b> , 5, 2715-2731		50
7	Long-circulating siRNA nanoparticles for validating Prohibitin1-targeted non-small cell lung cancer treatment. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2015</b> , 112, 7779-84	11.5	137
6	Nanoparticles containing a liver X receptor agonist inhibit inflammation and atherosclerosis. <i>Advanced Healthcare Materials</i> , <b>2015</b> , 4, 228-36	10.1	56
5	Cancer nanomedicine: from targeted delivery to combination therapy. <i>Trends in Molecular Medicine</i> , <b>2015</b> , 21, 223-32	11.5	470
4	Cancer nanotechnology: the impact of passive and active targeting in the era of modern cancer biology. <i>Advanced Drug Delivery Reviews</i> , <b>2014</b> , 66, 2-25	18.5	1848
3	Development of Multinuclear Polymeric Nanoparticles as Robust Protein Nanocarriers. <i>Angewandte Chemie</i> , <b>2014</b> , 126, 9121-9125	3.6	8
2	Hybrid lipid-polymer nanoparticles for sustained siRNA delivery and gene silencing. <i>Nanomedicine: Nanotechnology, Biology, and Medicine</i> , <b>2014</b> , 10, 897-900	6	61
1	Enhancing tumor cell response to chemotherapy through nanoparticle-mediated codelivery of siRNA and cisplatin prodrug. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2013</b> , 110, 18638-43	11.5	255