

# Zhiwei Xie

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/2287483/publications.pdf>

Version: 2024-02-01

30  
papers

2,023  
citations

331259

21  
h-index

500791

28  
g-index

31  
all docs

31  
docs citations

31  
times ranked

3479  
citing authors

#	ARTICLE	IF	CITATIONS
1	Three-dimensional manipulation of single cells using surface acoustic waves. Proceedings of the National Academy of Sciences of the United States of America, 2016, 113, 1522-1527.	3.3	448
2	Dual growth factor releasing multi-functional nanofibers for wound healing. Acta Biomaterialia, 2013, 9, 9351-9359.	4.1	370
3	Design Strategies and Applications of Circulating Cell-Mediated Drug Delivery Systems. ACS Biomaterials Science and Engineering, 2015, 1, 201-217.	2.6	146
4	Release of antibiotics from electrospun bicomponent fibers. Cellulose, 2007, 14, 553-562.	2.4	122
5	Citrate-based fluorescent materials for low-cost chloride sensing in the diagnosis of cystic fibrosis. Chemical Science, 2017, 8, 550-558.	3.7	79
6	Preparation and antimicrobial activity of $\beta$ -cyclodextrin derivative copolymers/cellulose acetate nanofibers. Chemical Engineering Journal, 2014, 248, 264-272.	6.6	76
7	Electrospun poly(D,L-lactide) fibers for drug delivery: The influence of cosolvent and the mechanism of drug release. Journal of Applied Polymer Science, 2010, 115, 1-8.	1.3	75
8	Click Chemistry Plays a Dual Role in Biodegradable Polymer Design. Advanced Materials, 2014, 26, 1906-1911.	11.1	66
9	Immune Cell-Mediated Biodegradable Theranostic Nanoparticles for Melanoma Targeting and Drug Delivery. Small, 2017, 13, 1603121.	5.2	63
10	Synthesis and characterization of biomimetic citrate-based biodegradable composites. Journal of Biomedical Materials Research - Part A, 2014, 102, 2521-2532.	2.1	60
11	Study on the Antimicrobial Properties of Citrate-Based Biodegradable Polymers. Frontiers in Bioengineering and Biotechnology, 2014, 2, 23.	2.0	59
12	Development of Intrinsically Photoluminescent and Photostable Polylactones. Advanced Materials, 2014, 26, 4491-4496.	11.1	55
13	Design of antimicrobial peptides conjugated biodegradable citric acid derived hydrogels for wound healing. Journal of Biomedical Materials Research - Part A, 2015, 103, 3907-3918.	2.1	49
14	Synthesis of Novel N-Halamine Epoxide Based on Cyanuric Acid and Its Application for Antimicrobial Finishing. Industrial & Engineering Chemistry Research, 2013, 52, 7413-7418.	1.8	45
15	Synthesis and characterization of citrate-based fluorescent small molecules and biodegradable polymers. Acta Biomaterialia, 2017, 50, 361-369.	4.1	45
16	Fluorescence imaging enabled poly(lactide-co-glycolide). Acta Biomaterialia, 2016, 29, 307-319.	4.1	40
17	High resolution imaging beyond the acoustic diffraction limit in deep tissue via ultrasound-switchable NIR fluorescence. Scientific Reports, 2014, 4, 4690.	1.6	30
18	Electrospun poly(D,L-lactide) nonwoven mats for biomedical application: Surface area shrinkage and surface entrapment. Journal of Applied Polymer Science, 2011, 122, 1219-1225.	1.3	26

#	ARTICLE	IF	CITATIONS
19	Development of cytocompatible antibacterial electro-spun nanofibrous composites. Journal of Materials Science, 2014, 49, 6734-6741.	1.7	22
20	Electrospun non-leaching biocompatible antimicrobial cellulose acetate nanofibrous mats. Journal of Industrial and Engineering Chemistry, 2015, 27, 315-321.	2.9	22
21	Synthesis and characterization of biocompatible antimicrobial N-halamine-functionalized titanium dioxide core-shell nanoparticles. Colloids and Surfaces B: Biointerfaces, 2016, 148, 511-517.	2.5	22
22	Antibacterial cellulose acetate films incorporated with N-halamine-modified nano-crystalline cellulose particles. Polymers for Advanced Technologies, 2017, 28, 463-469.	1.6	22
23	Cytocompatible and regenerable antimicrobial cellulose modified by N-halamine triazine ring. Journal of Applied Polymer Science, 2014, 131, .	1.3	21
24	Development of Ultrasound-Switchable Fluorescence Imaging Contrast Agents Based on Thermosensitive Polymers and Nanoparticles. IEEE Journal of Selected Topics in Quantum Electronics, 2014, 20, 67-80.	1.9	20
25	Development and characterisation of antibacterial suture functionalised with N-halamines. Journal of Industrial Textiles, 2016, 46, 59-74.	1.1	13
26	Biocompatible antimicrobial cotton modified with tricarbitimide-based N-halamine. Polymers for Advanced Technologies, 2014, 25, 963-968.	1.6	12
27	N-halamine-modified polyglycolide (PGA) multifilament as a potential bactericidal surgical suture: In vitro study. Journal of Applied Polymer Science, 2015, 132, .	1.3	12
28	Functionalized Poly(L-lactide) Nanoparticles from Electrospun Nanofibers. Journal of Biomaterials Science, Polymer Edition, 2011, 22, 1331-1341.	1.9	2
29	Biodegradable Polymers: Click Chemistry Plays a Dual Role in Biodegradable Polymer Design (Adv.) Tj ETQq1 1 0.784314 rgBT_0/Overlo	11.1	0
30	Drug Delivery: Immune Cell-Mediated Biodegradable Theranostic Nanoparticles for Melanoma Targeting and Drug Delivery (Small 10/2017). Small, 2017, 13, .	5.2	0