

# Shichen Zhu

## List of Publications by Citations

**Source:** <https://exaly.com/author-pdf/907105/shichen-zhu-publications-by-citations.pdf>

**Version:** 2024-04-23

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.

10  
papers

239  
citations

8  
h-index

12  
g-index

12  
ext. papers

337  
ext. citations

6.4  
avg, IF

3.39  
L-index

#	Paper	IF	Citations
10	Self-assembly of collagen-based biomaterials: preparation, characterizations and biomedical applications. <i>Journal of Materials Chemistry B</i> , <b>2018</b> , 6, 2650-2676	7.3	101
9	Identification of changes in volatile compounds in dry-cured fish during storage using HS-GC-IMS. <i>Food Research International</i> , <b>2020</b> , 137, 109339	7	60
8	Fabrication of a novel bio-inspired collagen-polydopamine hydrogel and insights into the formation mechanism for biomedical applications. <i>RSC Advances</i> , <b>2016</b> , 6, 66180-66190	3.7	20
7	Insights into the rheological behaviors evolution of alginate dialdehyde crosslinked collagen solutions evaluated by numerical models. <i>Materials Science and Engineering C</i> , <b>2017</b> , 78, 727-737	8.3	16
6	Development of Biocompatible and Antibacterial Collagen Hydrogels via Dialdehyde Polysaccharide Modification and Tetracycline Hydrochloride Loading. <i>Macromolecular Materials and Engineering</i> , <b>2019</b> , 304, 1800755	3.9	11
5	Evaluation of alginate dialdehyde as a suitable crosslinker on modifying porcine acellular dermal matrix: The aggregation of collagenous fibers. <i>Journal of Applied Polymer Science</i> , <b>2016</b> , 133,	2.9	10
4	A quantitative comparable study on multi-hierarchy conformation of acid and pepsin-solubilized collagens from the skin of grass carp ( <i>Ctenopharyngodon idella</i> ). <i>Materials Science and Engineering C</i> , <b>2019</b> , 96, 446-457	8.3	10
3	Dual cryoprotective strategies for ice-binding and stabilizing of frozen seafood: A review. <i>Trends in Food Science and Technology</i> , <b>2021</b> , 111, 223-232	15.3	9
2	A bottom-up evaluation on cryoprotective potentials of gelatine from fish scale. <i>Food Hydrocolloids</i> , <b>2021</b> , 107243	10.6	1
1	Fabrication and insights into the mechanisms of collagen-based hydrogels with the high cell affinity and antimicrobial activity. <i>Journal of Applied Polymer Science</i> , <b>2022</b> , 139, 51623	2.9	