# Shichen Zhu

## List of Publications by Year in Descending Order



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