

# Yun Xiao

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/8033212/publications.pdf>

Version: 2024-02-01

22  
papers

1,813  
citations

471371

17  
h-index

752573

20  
g-index

22  
all docs

22  
docs citations

22  
times ranked

3243  
citing authors

| #  | ARTICLE   | IF  | CITATIONS |
|----|---|-----|-----------|
| 1  | A sonication-induced silk-collagen hydrogel for functional cartilage regeneration. <i>Journal of Materials Chemistry B</i> , 2022, 10, 5045-5057.   | 2.9 | 9         |
| 2  | Biofabrication of nerve fibers with mimetic myelin sheath-like structure and aligned fibrous niche. <i>Biofabrication</i> , 2020, 12, 035013.   | 3.7 | 22        |
| 3  | Cellulose Nanocrystal Reinforced Collagen-Based Nanocomposite Hydrogel with Self-Healing and Stress-Relaxation Properties for Cell Delivery. <i>Biomacromolecules</i> , 2020, 21, 2400-2408.                  | 2.6 | 73        |
| 4  | Bioactive scaffolds based on collagen filaments with tunable physico-chemical and biological features. <i>Soft Matter</i> , 2020, 16, 4540-4548.  | 1.2 | 10        |
| 5  | Role of N-Cadherin in a Niche-Mimicking Microenvironment for Chondrogenesis of Mesenchymal Stem Cells <i>In Vitro</i> . <i>ACS Biomaterials Science and Engineering</i> , 2020, 6, 3491-3501.                 | 2.6 | 18        |
| 6  | Progress in Preparation of Silk Fibroin Microspheres for Biomedical Applications. <i>Pharmaceutical Nanotechnology</i> , 2020, 8, 358-371.  | 0.6 | 8         |
| 7  | Viscoelasticity in natural tissues and engineered scaffolds for tissue reconstruction. <i>Acta Biomaterialia</i> , 2019, 97, 74-92.   | 4.1 | 88        |
| 8  | Antibacterial and biodegradable tissue nano-adhesives for rapid wound closure. <i>International Journal of Nanomedicine</i> , 2018, Volume 13, 5849-5863.   | 3.3 | 43        |
| 9  | Structural and electrochemical studies of tungsten carbide/carbon composites for hydrogen evolution. <i>International Journal of Hydrogen Energy</i> , 2017, 42, 29781-29790.                                 | 3.8 | 31        |
| 10 | Biochemical and Biophysical Cues in Matrix Design for Chronic and Diabetic Wound Treatment. <i>Tissue Engineering - Part B: Reviews</i> , 2017, 23, 9-26.   | 2.5 | 30        |
| 11 | Diabetic wound regeneration using peptide-modified hydrogels to target re-epithelialization. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016, 113, E5792-E5801. | 3.3 | 108       |
| 12 | Modifications of collagen-based biomaterials with immobilized growth factors or peptides. <i>Methods</i> , 2015, 84, 44-52.   | 1.9 | 26        |
| 13 | Biomaterial based cardiac tissue engineering and its applications. <i>Biomedical Materials (Bristol)</i> , 2015, 10, 034004.  | 1.7 | 79        |
| 14 | Cardiac tissue regeneration in bioreactors. , 2014, , 640-668.  |     | 1         |
| 15 | Microfabricated perfusable cardiac biowire: a platform that mimics native cardiac bundle. <i>Lab on A Chip</i> , 2014, 14, 869-882.   | 3.1 | 121       |
| 16 | <i>In Situ</i> Mechanical Characterization of the Cell Nucleus by Atomic Force Microscopy. <i>ACS Nano</i> , 2014, 8, 3821-3828.  | 7.3 | 176       |
| 17 | Bioreactor for modulation of cardiac microtissue phenotype by combined static stretch and electrical stimulation. <i>Biofabrication</i> , 2014, 6, 024113.  | 3.7 | 53        |
| 18 | Topological and electrical control of cardiac differentiation and assembly. <i>Stem Cell Research and Therapy</i> , 2013, 4, 14.  | 2.4 | 36        |

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|----|--|-----|-----------|
| 19 | Biowire: a platform for maturation of human pluripotent stem cell-derived cardiomyocytes. Nature Methods, 2013, 10, 781-787.   | 9.0 | 784       |
| 20 | Microfluidic Cell Culture Techniques. , 2013, , 303-321.   |     | 1         |
| 21 | Aged Human Cells Rejuvenated by Cytokine Enhancement of Biomaterials for Surgical Ventricular Restoration. Journal of the American College of Cardiology, 2012, 60, 2237-2249. | 1.2 | 41        |
| 22 | Micro- and nanotechnology in cardiovascular tissue engineering. Nanotechnology, 2011, 22, 494003.  | 1.3 | 55        |