# Tao Xu

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/5164090/publications.pdf

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|---|---|---|---|
| 29 papers | 5,674 citations | 331670 21 h-index | 501196 28 g-index |
| 29 all docs | 29 docs citations | 29 times ranked | 5421 citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | A scalable coaxial bioprinting technology for mesenchymal stem cell microfiber fabrication and high extracellular vesicle yield. Biofabrication, 2022, 14, 015012. | 7.1 | 10 |
| 2 | Adaptive multiâ€degreeâ€ofâ€freedom in situ bioprinting robot for hairâ€follicleâ€inclusive skin repair: A preliminary study conducted in mice. Bioengineering and Translational Medicine, 2022, 7, . | 7.1 | 21 |
| 3 | Bioprinting of Human Cord Blood-Derived CD34+ Cells and Exploration of the Multilineage Differentiation Ability in Vitro. ACS Biomaterials Science and Engineering, 2021, 7, 2592-2604. | 5.2 | 1 |
| 4 | A coaxially extruded heterogeneous coreâ€“shell fiber with Schwann cells and neural stem cells. International Journal of Energy Production and Management, 2020, 7, 131-139. | 3.7 | 12 |
| 5 | Inkjet Bioprinting of Biomaterials. Chemical Reviews, 2020, 120, 10793-10833. | 47.7 | 332 |
| 6 | Preliminary engineering for in situ in vivo bioprinting: a novel micro bioprinting platform for in situ in vivo bioprinting at a gastric wound site. Biofabrication, 2020, 12, 045020. | 7.1 | 47 |
| 7 | In Situ Bioprinting of Autologous Skin Cells Accelerates Wound Healing of Extensive Excisional Full-Thickness Wounds. Scientific Reports, 2019, 9, 1856. | 3.3 | 297 |
| 8 | 3D bioprinted glioma cellâ€laden scaffolds enriching glioma stem cells via epithelialâ€“mesenchymal transition. Journal of Biomedical Materials Research - Part A, 2019, 107, 383-391. | 4.0 | 46 |
| 9 | Biofabrication: A Guide to Technology and Terminology. Trends in Biotechnology, 2018, 36, 384-402. | 9.3 | 465 |
| 10 | Coaxial extrusion bioprinted shell-core hydrogel microfibers mimic glioma microenvironment and enhance the drug resistance of cancer cells. Colloids and Surfaces B: Biointerfaces, 2018, 171, 291-299. | 5.0 | 83 |
| 11 | 3D bioprinted rat Schwann cell-laden structures with shape flexibility and enhanced nerve growth factor expression. 3 Biotech, 2018, 8, 342. | 2.2 | 29 |
| 12 | Coaxial 3D bioprinting of self-assembled multicellular heterogeneous tumor fibers. Scientific Reports, 2017, 7, 1457. | 3.3 | 100 |
| 13 | Biofabrication: reappraising the definition of an evolving field. Biofabrication, 2016, 8, 013001. | 7.1 | 523 |
| 14 | Complex heterogeneous tissue constructs containing multiple cell types prepared by inkjet printing technology. Biomaterials, 2013, 34, 130-139. | 11.4 | 518 |
| 15 | Hybrid printing of mechanically and biologically improved constructs for cartilage tissue engineering applications. Biofabrication, 2013, 5, 015001. | 7.1 | 475 |
| 16 | High throughput miniature drug-screening platform using bioprinting technology. Biofabrication, 2012, 4, 035001. | 7.1 | 73 |
| 17 | Electrophysiological characterization of embryonic hippocampal neurons cultured in a 3D collagen hydrogel. Biomaterials, 2009, 30, 4377-4383. | 11.4 | 96 |
| 18 | Fabrication and characterization of bio-engineered cardiac pseudo tissues. Biofabrication, 2009, 1, 035001. | 7.1 | 153 |

| # | Article | IF | Citations |
|---|---|---|---|
| 19 | Inkjet-Mediated Gene Transfection into Living Cells Combined with Targeted Delivery. Tissue Engineering - Part A, 2009, 15, 95-101. | 3.1 | 96 |
| 20 | High-Throughput Production of Single-Cell Microparticles Using an Inkjet Printing Technology. Journal of Manufacturing Science and Engineering, Transactions of the ASME, 2008, 130, . | 2.2 | 102 |
| 21 | Characterization of Cell Constructs Generated With Inkjet Printing Technology Using In Vivo Magnetic Resonance Imaging. Journal of Manufacturing Science and Engineering, Transactions of the ASME, 2008, 130, . | 2.2 | 36 |
| 22 | Bioâ€printing of living organized tissues using an inkjet technology. FASEB Journal, 2007, 21, A636. | 0.5 | 1 |
| 23 | Three-Dimensional Tissue Printing Technology. Manuals in Biomedical Research, 2007, , 183-191. | 0.0 | 0 |
| 24 | Viability and electrophysiology of neural cell structures generated by the inkjet printing method. Biomaterials, 2006, 27, 3580-8. | 11.4 | 410 |
| 25 | Application of inkjet printing to tissue engineering. Biotechnology Journal, 2006, 1, 910-917. | 3.5 | 695 |
| 26 | Inkjet printing of viable mammalian cells. Biomaterials, 2005, 26, 93-99. | 11.4 | 914 |
| 27 | Fabricating Neural and Cardiomyogenic Stem Cell Structures by a Novel Rapid Prototypingâ€"the Inkjet Printing Method. Materials Research Society Symposia Proceedings, 2004, 845, 30. | 0.1 | 1 |
| 28 | Layer-by-layer printing of cells and its application to tissue engineering. Materials Research Society Symposia Proceedings, 2004, 845, 5. | 0.1 | 14 |
| 29 | Construction of high-density bacterial colony arrays and patterns by the ink-jet method. Biotechnology and Bioengineering, 2004, 85, 29-33. | 3.3 | 124 |