

# Fabien Guillemot

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/11694078/publications.pdf>

Version: 2024-02-01

17  
papers

2,790  
citations

623734

14  
h-index

940533

16  
g-index

19  
all docs

19  
docs citations

19  
times ranked

2897  
citing authors

| #  | ARTICLE   | IF   | CITATIONS |
|----|---|------|-----------|
| 1  | Laser assisted bioprinting of engineered tissue with high cell density and microscale organization. <i>Biomaterials</i> , 2010, 31, 7250-7256.  | 11.4 | 686       |
| 2  | Cell patterning technologies for organotypic tissue fabrication. <i>Trends in Biotechnology</i> , 2011, 29, 183-190.  | 9.3  | 374       |
| 3  | In situ printing of mesenchymal stromal cells, by laser-assisted bioprinting, for in vivo bone regeneration applications. <i>Scientific Reports</i> , 2017, 7, 1778.                                  | 3.3  | 307       |
| 4  | <i>In vivo</i> bioprinting for computer- and robotic-assisted medical intervention: preliminary study in mice. <i>Biofabrication</i> , 2010, 2, 014101.   | 7.1  | 244       |
| 5  | Laser-assisted cell printing: principle, physical parameters versus cell fate and perspectives in tissue engineering. <i>Nanomedicine</i> , 2010, 5, 507-515.   | 3.3  | 211       |
| 6  | Laser-assisted bioprinting for creating on-demand patterns of human osteoprogenitor cells and nano-hydroxyapatite. <i>Biofabrication</i> , 2011, 3, 025001.   | 7.1  | 192       |
| 7  | Controlling laser-induced jet formation for bioprinting mesenchymal stem cells with high viability and high resolution. <i>Biofabrication</i> , 2014, 6, 045001.                                      | 7.1  | 113       |
| 8  | Effect of laser energy, substrate film thickness and bioink viscosity on viability of endothelial cells printed by Laser-Assisted Bioprinting. <i>Applied Surface Science</i> , 2011, 257, 5142-5147. | 6.1  | 111       |
| 9  | Layer-by-Layer Tissue Microfabrication Supports Cell Proliferation <i>In Vitro</i> and <i>In Vivo</i> . <i>Tissue Engineering - Part C: Methods</i> , 2012, 18, 62-70.                                | 2.1  | 98        |
| 10 | Recent advances in the design of titanium alloys for orthopedic applications. <i>Expert Review of Medical Devices</i> , 2005, 2, 741-748.   | 2.8  | 94        |
| 11 | Cell Patterning by Laser-Assisted Bioprinting. <i>Methods in Cell Biology</i> , 2014, 119, 159-174.   | 1.1  | 62        |
| 12 | Laser-assisted bioprinting to deal with tissue complexity in regenerative medicine. <i>MRS Bulletin</i> , 2011, 36, 1015-1019.  | 3.5  | 54        |
| 13 | Laser-Assisted Bioprinting for Tissue Engineering. , 2013, , 95-118.  |      | 21        |
| 14 | Creation of Highly Defined Mesenchymal Stem Cell Patterns in Three Dimensions by Laser-Assisted Bioprinting. <i>Journal of Nanotechnology in Engineering and Medicine</i> , 2015, 6, .                | 0.8  | 20        |
| 15 | From local to global matrix organization by fibroblasts: a 4D laser-assisted bioprinting approach. <i>Biofabrication</i> , 2022, 14, 025006.  | 7.1  | 14        |
| 16 | Laser Assisted Bio-printing (LAB) of Cells and Bio-materials Based on Laser Induced Forward Transfer (LIFT). <i>Biological and Medical Physics Series</i> , 2013, , 193-209.                          | 0.4  | 9         |
| 17 | In Vivo and In Situ Biofabrication by Laser-Assisted Bioprinting. , 2015, , 81-87.  |      | 6         |