# Mariana T Cerqueira

## List of Publications by Citations



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|---|---|---|---|
| 35 papers | 1,028 citations | 20 h-index | 32 g-index |
| 40 ext. papers | 1,219 ext. citations | 6.6 avg, IF | 4.24 L-index |

| # | Paper | IF | Citations |
|---|---|---|---|
| 35 | An investigation of the potential application of chitosan/aloe-based membranes for regenerative medicine. *Acta Biomaterialia*, **2013**, 9, 6790-7 | 10.8 | 98 |
| 34 | Stem Cells in Skin Wound Healing: Are We There Yet?. *Advances in Wound Care*, **2016**, 5, 164-175 | 4.8 | 77 |
| 33 | The use of ionic liquids in the processing of chitosan/silk hydrogels for biomedical applications. *Green Chemistry*, **2012**, 14, 1463 | 10 | 74 |
| 32 | Human adipose stem cells cell sheet constructs impact epidermal morphogenesis in full-thickness excisional wounds. *Biomacromolecules*, **2013**, 14, 3997-4008 | 6.9 | 71 |
| 31 | Gellan gum-hyaluronic acid spongy-like hydrogels and cells from adipose tissue synergize promoting neoskin vascularization. *ACS Applied Materials & Interfaces*, **2014**, 6, 19668-79 | 9.5 | 69 |
| 30 | Engineering cell-adhesive gellan gum spongy-like hydrogels for regenerative medicine purposes. *Acta Biomaterialia*, **2014**, 10, 4787-4797 | 10.8 | 64 |
| 29 | Cell sheet technology-driven re-epithelialization and neovascularization of skin wounds. *Acta Biomaterialia*, **2014**, 10, 3145-55 | 10.8 | 56 |
| 28 | Cell selective chitosan microparticles as injectable cell carriers for tissue regeneration. *Biomaterials*, **2015**, 43, 23-31 | 15.6 | 55 |
| 27 | Semipermeable Capsules Wrapping a Multifunctional and Self-regulated Co-culture Microenvironment for Osteogenic Differentiation. *Scientific Reports*, **2016**, 6, 21883 | 4.9 | 48 |
| 26 | Neovascularization Induced by the Hyaluronic Acid-Based Spongy-Like Hydrogels Degradation Products. *ACS Applied Materials & Interfaces*, **2016**, 8, 33464-33474 | 9.5 | 47 |
| 25 | Stem Cell-Containing Hyaluronic Acid-Based Spongy Hydrogels for Integrated Diabetic Wound Healing. *Journal of Investigative Dermatology*, **2017**, 137, 1541-1551 | 4.3 | 40 |
| 24 | Gellan gum-hydroxyapatite composite spongy-like hydrogels for bone tissue engineering. *Journal of Biomedical Materials Research - Part A*, **2018**, 106, 479-490 | 5.4 | 39 |
| 23 | Mechanical Property of Hydrogels and the Presence of Adipose Stem Cells in Tumor Stroma Affect Spheroid Formation in the 3D Osteosarcoma Model. *ACS Applied Materials & Interfaces*, **2019**, 11, 14548-14559 | 9.5 | 34 |
| 22 | Human skin cell fractions fail to self-organize within a gellan gum/hyaluronic acid matrix but positively influence early wound healing. *Tissue Engineering - Part A*, **2014**, 20, 1369-78 | 3.9 | 33 |
| 21 | Expression, purification and osteogenic bioactivity of recombinant human BMP-4, -9, -10, -11 and -14. *Protein Expression and Purification*, **2009**, 63, 89-94 | 2 | 32 |
| 20 | Boosting and rescuing epidermal superior population from fresh keratinocyte cultures. *Stem Cells and Development*, **2014**, 23, 34-43 | 4.4 | 30 |
| 19 | Using stem cells in skin regeneration: possibilities and reality. *Stem Cells and Development*, **2012**, 21, 1201-14 | 4.4 | 30 |

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| 18 | Cell sheet engineering using the stromal vascular fraction of adipose tissue as a vascularization strategy. *Acta Biomaterialia*, **2017**, 55, 131-143 | 10.8 | 22 |
| 17 | In vivo osteogenic differentiation of stem cells inside compartmentalized capsules loaded with co-cultured endothelial cells. *Acta Biomaterialia*, **2017**, 53, 483-494 | 10.8 | 20 |
| 16 | Poly(hydroxybutyrate-co-hydroxyvalerate) bilayer skin tissue engineering constructs with improved epidermal rearrangement. *Macromolecular Bioscience*, **2014**, 14, 977-90 | 5.5 | 20 |
| 15 | Cork extracts reduce UV-mediated DNA fragmentation and cell death. *RSC Advances*, **2015**, 5, 96151-96157 | 3.7 | 11 |
| 14 | Strategies for the hypothermic preservation of cell sheets of human adipose stem cells. *PLoS ONE*, **2019**, 14, e0222597 | 3.7 | 11 |
| 13 | Fibroblasts regulate osteoblasts through gap junctional communication. *Cytotherapy*, **2012**, 14, 1276-87 | 4.8 | 11 |
| 12 | Growth Factor-Free Pre-vascularization of Cell Sheets for Tissue Engineering. *Methods in Molecular Biology*, **2016**, 1516, 219-226 | 1.4 | 6 |
| 11 | Epidermis recreation in spongy-like hydrogels. *Materials Today*, **2015**, 18, 468-469 | 21.8 | 5 |
| 10 | Interfollicular epidermal stem cells: boosting and rescuing from adult skin. *Methods in Molecular Biology*, **2013**, 989, 1-9 | 1.4 | 5 |
| 9 | Interfollicular Epidermal Stem Cells: Boosting and Rescuing from Adult Skin. *Methods in Molecular Biology*, **2019**, 1879, 101-110 | 1.4 | 4 |
| 8 | Engineered hydrogel-based matrices for skin wound healing **2016**, 227-250 | | 3 |
| 7 | Rescuing key native traits in cultured dermal papilla cells for human hair regeneration. *Journal of Advanced Research*, **2021**, 30, 103-112 | 13 | 3 |
| 6 | Interfollicular epidermal stem-like cells for the recreation of the hair follicle epithelial compartment. *Stem Cell Research and Therapy*, **2021**, 12, 62 | 8.3 | 3 |
| 5 | Depth (Z-axis) control of cell morphologies on micropatterned surfaces. *Journal of Bioactive and Compatible Polymers*, **2015**, 30, 555-567 | 2 | 2 |
| 4 | In vitro vascularization of tissue engineered constructs by non-viral delivery of pro-angiogenic genes. *Biomaterials Science*, **2021**, 9, 2067-2081 | 7.4 | 2 |
| 3 | Regeneration Using Tissue Engineered Skin Strategies **2020**, 255-289 | | 1 |
| 2 | Keratinocyte Growth Factor-Based Strategies for Wound Re-Epithelialization. *Tissue Engineering - Part B: Reviews*, **2021**, | 7.9 | 1 |
| 1 | Skin in vitro models to study dermal white adipose tissue role in skin healing **2018**, 327-352 | | |