

Janne Tapio Koivisto

List of Publications by Year in descending order

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Version: 2024-02-01

21
papers

460
citations

687220

13
h-index

794469

19
g-index

21
all docs

21
docs citations

21
times ranked

747
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 1 | Mechanically Biomimetic Gelatin-Gellan Gum Hydrogels for 3D Culture of Beating Human Cardiomyocytes. ACS Applied Materials & Interfaces, 2019, 11, 20589-20602. | 4.0 | 70 |
| 2 | Bioamine-crosslinked gellan gum hydrogel for neural tissue engineering. Biomedical Materials (Bristol), 2017, 12, 025014. | 1.7 | 61 |
| 3 | Composite Hydrogels Using Bioinspired Approach with in Situ Fast Gelation and Self-Healing Ability as Future Injectable Biomaterial. ACS Applied Materials & Interfaces, 2018, 10, 11950-11960. | 4.0 | 43 |
| 4 | Bioactive glass ions induce efficient osteogenic differentiation of human adipose stem cells encapsulated in gellan gum and collagen type I hydrogels. Materials Science and Engineering C, 2019, 99, 905-918. | 3.8 | 38 |
| 5 | Green synthesis of controlled size gold and silver nanoparticles using antioxidant as capping and reducing agent. Colloids and Interface Science Communications, 2020, 39, 100322. | 2.0 | 31 |
| 6 | Optical projection tomography as a tool for 3D imaging of hydrogels. Biomedical Optics Express, 2014, 5, 3443. | 1.5 | 29 |
| 7 | Carbon nanotube micropillars trigger guided growth of complex human neural stem cells networks. Nano Research, 2019, 12, 2894-2899. | 5.8 | 27 |
| 8 | The production of injectable hydrazone crosslinked gellan gum-hyaluronan-hydrogels with tunable mechanical and physical properties. Journal of the Mechanical Behavior of Biomedical Materials, 2017, 71, 383-391. | 1.5 | 26 |
| 9 | Soft hydrazone crosslinked hyaluronan- and alginate-based hydrogels as 3D supportive matrices for human pluripotent stem cell-derived neuronal cells. Reactive and Functional Polymers, 2018, 124, 29-39. | 2.0 | 25 |
| 10 | Optical Projection Tomography Technique for Image Texture and Mass Transport Studies in Hydrogels Based on Gellan Gum. Langmuir, 2016, 32, 5173-5182. | 1.6 | 24 |
| 11 | Polyethylene Terephthalate Textiles Enhance the Structural Maturation of Human Induced Pluripotent Stem Cell-Derived Cardiomyocytes. Materials, 2019, 12, 1805. | 1.3 | 17 |
| 12 | Screening of Hydrogels for Human Pluripotent Stem Cell-Derived Neural Cells: Hyaluronan-Polyvinyl Alcohol-Collagen-Based Interpenetrating Polymer Network Provides an Improved Hydrogel Scaffold. Macromolecular Bioscience, 2019, 19, e1900096. | 2.1 | 16 |
| 13 | Chemical modification strategies for viscosity-dependent processing of gellan gum. Carbohydrate Polymers, 2021, 269, 118335. | 5.1 | 14 |
| 14 | Optical projection tomography as a quantitative tool for analysis of cell morphology and density in 3D hydrogels. Scientific Reports, 2021, 11, 6538. | 1.6 | 11 |
| 15 | Design of modular gellan gum hydrogel functionalized with avidin and biotinylated adhesive ligands for cell culture applications. PLoS ONE, 2019, 14, e0221931. | 1.1 | 10 |
| 16 | Optical Projection Tomography Imaging of Single Cells in 3D Gellan Gum Hydrogel. IFMBE Proceedings, 2018, , 996-999. | 0.2 | 6 |
| 17 | Carbon nanotube-based matrices for tissue engineering. , 2019, , 323-353. | | 4 |
| 18 | Injectable and self-healing biobased composite hydrogels as future anticancer therapeutic biomaterials. Nano Select, 2022, 3, 1213-1222. | 1.9 | 4 |

| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 19 | Comprehensive characterisation of the compressive behaviour of hydrogels using a new modelling procedure and redefining compression testing. <i>Materials Today Communications</i> , 2021, 28, 102518. | 0.9 | 2 |
| 20 | Reproducible preparation method of hydrogels for cell culture applications – case study with spermidine crosslinked gellan gum. <i>IFMBE Proceedings</i> , 2018, , 811-814. | 0.2 | 2 |
| 21 | Texture-property relations of bioamine crosslinked gellan gum hydrogels. <i>IFMBE Proceedings</i> , 2018, , 189-192. | 0.2 | 0 |