

# 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	Injectable and self-healing biobased composite hydrogels as future anticancer therapeutic biomaterials. <i>Nano Select</i> , 2022, 3, 1213-1222.	1.9	4
2	Optical projection tomography as a quantitative tool for analysis of cell morphology and density in 3D hydrogels. <i>Scientific Reports</i> , 2021, 11, 6538.	1.6	11
3	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
4	Chemical modification strategies for viscosity-dependent processing of gellan gum. <i>Carbohydrate Polymers</i> , 2021, 269, 118335.	5.1	14
5	Green synthesis of controlled size gold and silver nanoparticles using antioxidant as capping and reducing agent. <i>Colloids and Interface Science Communications</i> , 2020, 39, 100322.	2.0	31
6	Polyethylene Terephthalate Textiles Enhance the Structural Maturation of Human Induced Pluripotent Stem Cell-Derived Cardiomyocytes. <i>Materials</i> , 2019, 12, 1805.	1.3	17
7	Carbon nanotube micropillars trigger guided growth of complex human neural stem cells networks. <i>Nano Research</i> , 2019, 12, 2894-2899.	5.8	27
8	Design of modular gellan gum hydrogel functionalized with avidin and biotinylated adhesive ligands for cell culture applications. <i>PLoS ONE</i> , 2019, 14, e0221931.	1.1	10
9	Screening of Hydrogels for Human Pluripotent Stem Cell-Derived Neural Cells: Hyaluronan-Polyvinyl Alcohol-Collagen-Based Interpenetrating Polymer Network Provides an Improved Hydrogel Scaffold. <i>Macromolecular Bioscience</i> , 2019, 19, e1900096.	2.1	16
10	Mechanically Biomimetic Gelatin-Gellan Gum Hydrogels for 3D Culture of Beating Human Cardiomyocytes. <i>ACS Applied Materials &amp; Interfaces</i> , 2019, 11, 20589-20602.	4.0	70
11	Bioactive glass ions induce efficient osteogenic differentiation of human adipose stem cells encapsulated in gellan gum and collagen type I hydrogels. <i>Materials Science and Engineering C</i> , 2019, 99, 905-918.	3.8	38
12	Carbon nanotube-based matrices for tissue engineering. , 2019, , 323-353.		4
13	Soft hydrazone crosslinked hyaluronan- and alginate-based hydrogels as 3D supportive matrices for human pluripotent stem cell-derived neuronal cells. <i>Reactive and Functional Polymers</i> , 2018, 124, 29-39.	2.0	25
14	Composite Hydrogels Using Bioinspired Approach with in Situ Fast Gelation and Self-Healing Ability as Future Injectable Biomaterial. <i>ACS Applied Materials &amp; Interfaces</i> , 2018, 10, 11950-11960.	4.0	43
15	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
16	Optical Projection Tomography Imaging of Single Cells in 3D Gellan Gum Hydrogel. <i>IFMBE Proceedings</i> , 2018, , 996-999.	0.2	6
17	Texture-property relations of bioamine crosslinked gellan gum hydrogels. <i>IFMBE Proceedings</i> , 2018, , 189-192.	0.2	0
18	Bioamine-crosslinked gellan gum hydrogel for neural tissue engineering. <i>Biomedical Materials (Bristol)</i> , 2017, 12, 025014.	1.7	61

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19	The production of injectable hydrazone crosslinked gellan gum-hyaluronan-hydrogels with tunable mechanical and physical properties. <i>Journal of the Mechanical Behavior of Biomedical Materials</i> , 2017, 71, 383-391.	1.5	26
20	Optical Projection Tomography Technique for Image Texture and Mass Transport Studies in Hydrogels Based on Gellan Gum. <i>Langmuir</i> , 2016, 32, 5173-5182.	1.6	24
21	Optical projection tomography as a tool for 3D imaging of hydrogels. <i>Biomedical Optics Express</i> , 2014, 5, 3443.	1.5	29