Stephanie J Florczyk

List of Publications by Citations

27 papers	1,206 citations	17 h-index	32 g-index
32 ext. papers	1,372 ext. citations	7.3 avg, IF	4.26 L-index

#	Paper	IF	Citations
27	Chitosan-alginate 3D scaffolds as a mimic of the glioma tumor microenvironment. *Biomaterials*, **2010**, 31, 5903-10	15.6	159
26	Porous chitosan-hyaluronic acid scaffolds as a mimic of glioblastoma microenvironment ECM. *Biomaterials*, **2013**, 34, 10143-50	15.6	152
25	High-strength pristine porous chitosan scaffolds for tissue engineering. *Journal of Materials Chemistry*, **2012**, 22, 6291		89
24	Proliferation and enrichment of CD133(+) glioblastoma cancer stem cells on 3D chitosan-alginate scaffolds. *Biomaterials*, **2014**, 35, 9137-43	15.6	88
23	Chitosan-alginate scaffold culture system for hepatocellular carcinoma increases malignancy and drug resistance. *Pharmaceutical Research*, **2010**, 27, 1939-48	4.5	72
22	Influence of processing parameters on pore structure of 3D porous chitosan-alginate polyelectrolyte complex scaffolds. *Journal of Biomedical Materials Research - Part A*, **2011**, 98, 614-20	5.4	69
21	Integrated bi-layered scaffold for osteochondral tissue engineering. *Advanced Healthcare Materials*, **2013**, 2, 872-83	10.1	68
20	3D porous chitosan-alginate scaffolds: a new matrix for studying prostate cancer cell-lymphocyte interactions in vitro. *Advanced Healthcare Materials*, **2012**, 1, 590-9	10.1	67
19	Periodically Patterned Au-TiO Heterostructures for Photoelectrochemical Sensor. *ACS Sensors*, **2017**, 2, 621-625	9.2	66
18	Evaluation of three-dimensional porous chitosan-alginate scaffolds in rat calvarial defects for bone regeneration applications. *Journal of Biomedical Materials Research - Part A*, **2013**, 101, 2974-83	5.4	57
17	3D Porous Chitosan-Alginate Scaffolds as an In Vitro Model for Evaluating Nanoparticle-Mediated Tumor Targeting and Gene Delivery to Prostate Cancer. *Biomacromolecules*, **2015**, 16, 3362-72	6.9	54
16	Three-dimensional scaffolds to evaluate tumor associated fibroblast-mediated suppression of breast tumor specific T cells. *Biomacromolecules*, **2013**, 14, 1330-7	6.9	47
15	3D Porous Chitosan-Alginate Scaffolds Promote Proliferation and Enrichment of Cancer Stem-Like Cells. *Journal of Materials Chemistry B*, **2016**, 4, 6326-6334	7.3	47
14	3D porous chitosan-alginate scaffold stiffness promotes differential responses in prostate cancer cell lines. *Biomaterials*, **2019**, 217, 119311	15.6	43
13	Enhanced bone tissue formation by alginate gel-assisted cell seeding in porous ceramic scaffolds and sustained release of growth factor. *Journal of Biomedical Materials Research - Part A*, **2012**, 100, 3408-15	5.4	26
12	Machine learning based methodology to identify cell shape phenotypes associated with microenvironmental cues. *Biomaterials*, **2016**, 104, 104-18	15.6	22
11	CCL21 and IFN recruit and activate tumor specific T cells in 3D scaffold model of breast cancer. *Anti-Cancer Agents in Medicinal Chemistry*, **2014**, 14, 204-10	2.2	20

List of Publications

10	Freeze-FRESH: A 3D Printing Technique to Produce Biomaterial Scaffolds with Hierarchical Porosity. *Materials*, **2020**, 13,	3.5	13
9	3D porous chitosan-chondroitin sulfate scaffolds promote epithelial to mesenchymal transition in prostate cancer cells. *Biomaterials*, **2020**, 254, 120126	15.6	13
8	Ethical issues in nanotechnology. *Journal of Long-Term Effects of Medical Implants*, **2007**, 17, 271-80	0.2	11
7	Effect of Mold Geometry on Pore Size in Freeze-Cast Chitosan-Alginate Scaffolds for Tissue Engineering. *Annals of Biomedical Engineering*, **2020**, 48, 1090-1102	4.7	8
6	Direct-Contact Cytotoxicity Evaluation of CoCrFeNi-Based Multi-Principal Element Alloys. *Journal of Functional Biomaterials*, **2018**, 9,	4.8	4
5	Effect of the scaffold microenvironment on cell polarizability and capacitance determined by probabilistic computations. *Biomedical Materials (Bristol)*, **2018**, 13, 025012	3.5	3
4	Modeling, validation and verification of three-dimensional cell-scaffold contacts from terabyte-sized images. *BMC Bioinformatics*, **2017**, 18, 526	3.6	2
3	A Bioinformatics 3D Cellular Morphotyping Strategy for Assessing Biomaterial Scaffold Niches. *ACS Biomaterials Science and Engineering*, **2017**, 3, 2302-2313	5.5	2
2	Evaluation of the effect of 3D porous Chitosan-alginate scaffold stiffness on breast cancer proliferation and migration. *Journal of Biomedical Materials Research - Part A*, **2021**, 109, 1990-2000	5.4	2
1	Manufacture of nanoparticles from bone: a preliminary study. *Journal of Long-Term Effects of Medical Implants*, **2009**, 19, 323-9	0.2	