VÃ-tor E Santo

List of Publications by Year
in descending order

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35 papers	1,902 citations	257450 24 h-index	361022 35 g-index
36 all docs	36 docs citations	36 times ranked	3218 citing authors

#	Article	IF	Citations
1	Capturing tumor complexity in vitro: Comparative analysis of 2D and 3D tumor models for drug discovery. Scientific Reports, 2016, 6, 28951.	3.3	192
2	Carrageenan-Based Hydrogels for the Controlled Delivery of PDGF-BB in Bone Tissue Engineering Applications. Biomacromolecules, 2009, 10, 1392-1401.	5.4	165
3	Development of new chitosan/carrageenan nanoparticles for drug delivery applications. Journal of Biomedical Materials Research - Part A, 2010, 92A, 1265-1272.	4.0	150
4	Controlled Release Strategies for Bone, Cartilage, and Osteochondral Engineeringâ€"Part I: Recapitulation of Native Tissue Healing and Variables for the Design of Delivery Systems. Tissue Engineering - Part B: Reviews, 2013, 19, 308-326.	4.8	131
5	Controlled Release Strategies for Bone, Cartilage, and Osteochondral Engineeringâ€"Part II: Challenges on the Evolution from Single to Multiple Bioactive Factor Delivery. Tissue Engineering - Part B: Reviews, 2013, 19, 327-352.	4.8	108
6	Modelling the tumour microenvironment in long-term microencapsulated 3D co-cultures recapitulates phenotypic features of disease progression. Biomaterials, 2016, 78, 50-61.	11.4	99
7	Adaptable stirred-tank culture strategies for large scale production of multicellular spheroid-based tumor cell models. Journal of Biotechnology, 2016, 221, 118-129.	3.8	92
8	Chitosan-chondroitin sulphate nanoparticles for controlled delivery of platelet lysates in bone regenerative medicine. Journal of Tissue Engineering and Regenerative Medicine, 2012, 6, s47-s59.	2.7	88
9	Enhancement of osteogenic differentiation of human adipose derived stem cells by the controlled release of platelet lysates from hybrid scaffolds produced by supercritical fluid foaming. Journal of Controlled Release, 2012, 162, 19-27.	9.9	78
10	Drug screening in 3D in vitro tumor models: overcoming current pitfalls of efficacy readâ€outs. Biotechnology Journal, 2017, 12, 1600505.	3.5	77
11	Hybrid 3D structure of poly(d,l-lactic acid) loaded with chitosan/chondroitin sulfate nanoparticles to be used as carriers for biomacromolecules in tissue engineering. Journal of Supercritical Fluids, 2010, 54, 320-327.	3.2	64
12	From nano- to macro-scale: nanotechnology approaches for spatially controlled delivery of bioactive factors for bone and cartilage engineering. Nanomedicine, 2012, 7, 1045-1066.	3.3	57
13	Evaluation of thein vitroandin vivobiocompatibility of carrageenan-based hydrogels. Journal of Biomedical Materials Research - Part A, 2014, 102, 4087-4097.	4.0	56
14	Unleashing the potential of supercritical fluids for polymer processing in tissue engineering and regenerative medicine. Journal of Supercritical Fluids, 2013, 79, 177-185.	3.2	48
15	Layer-by-layer assembled cell instructive nanocoatings containing platelet lysate. Biomaterials, 2015, 48, 56-65.	11.4	48
16	Natural assembly of platelet lysate-loaded nanocarriers into enriched 3D hydrogels for cartilage regeneration. Acta Biomaterialia, 2015, 19, 56-65.	8.3	42
17	Functionalized Microparticles Producing Scaffolds in Combination with Cells. Advanced Functional Materials, 2014, 24, 1391-1400.	14.9	39
18	Magnetically-Responsive Hydrogels for Modulation of Chondrogenic Commitment of Human Adipose-Derived Stem Cells. Polymers, 2016, 8, 28.	4.5	33

#	Article	IF	Citations
19	Contributions and future perspectives on the use of magnetic nanoparticles as diagnostic and therapeutic tools in the field of regenerative medicine. Expert Review of Molecular Diagnostics, 2013, 13, 553-566.	3.1	30
20	Platelet lysate membranes as new autologous templates for tissue engineering applications. Inflammation and Regeneration, 2014, 34, 033-044.	3.7	28
21	Platelet lysate-based pro-angiogenic nanocoatings. Acta Biomaterialia, 2016, 32, 129-137.	8.3	27
22	Protocols and characterization data for 2D, 3D, and slice-based tumor models from the PREDECT project. Scientific Data, 2017, 4, 170170.	5.3	27
23	Development of an Injectable Calcium Phosphate/Hyaluronic Acid Microparticles System for Platelet Lysate Sustained Delivery Aiming Bone Regeneration. Macromolecular Bioscience, 2016, 16, 1662-1677.	4.1	24
24	The Volume of Three-Dimensional Cultures of Cancer Cells In Vitro Influences Transcriptional Profile Differences and Similarities with Monolayer Cultures and Xenografted Tumors. Neoplasia, 2017, 19, 695-706.	5.3	23
25	Patient-derived ovarian cancer explants: preserved viability and histopathological features in long-term agitation-based cultures. Scientific Reports, 2020, 10, 19462.	3.3	19
26	Engineering Enriched Microenvironments with Gradients of Platelet Lysate in Hydrogel Fibers. Biomacromolecules, 2016, 17, 1985-1997.	5.4	18
27	Cell engineering by the internalization of bioinstructive micelles for enhanced bone regeneration. Nanomedicine, 2015, 10, 1707-1721.	3.3	17
28	Assessment of bone healing ability of calcium phosphate cements loaded with platelet lysate in rat calvarial defects. Journal of Biomaterials Applications, 2016, 31, 637-649.	2.4	12
29	Patient-Derived Explants of Colorectal Cancer: Histopathological and Molecular Analysis of Long-Term Cultures. Cancers, 2021, 13, 4695.	3.7	6
30	Supercritical Fluid Technology as a Tool to Prepare Gradient Multifunctional Architectures Towards Regeneration of Osteochondral Injuries. Advances in Experimental Medicine and Biology, 2018, 1058, 265-278.	1.6	4
31	Application of pulsed electric fields for the valorization of platelets with no therapeutic value for transfusion medicine. Technology, 2019, 07, 40-45.	1.4	3
32	PREDECT Protocols for Complex 2D/3D Cultures. Methods in Molecular Biology, 2019, 1888, 1-20.	0.9	3
33	Establishment and characterization of a novel ovarian high-grade serous carcinoma cell lineâ€”IPO43. Cancer Cell International, 2022, 22, 175.	4.1	3
34	Temperature-responsive bioactive hydrogels based on a multifunctional recombinant elastin-like polymer. Biomaterials and Biomechanics in Bioengineering, 2015, 2, 47-59.	0.1	1
35	Abstract 321: In vitro recapitulation of 3D tumor microenvironment with defined oxygen and pH levels through a novel scalable bioreactor-based strategy. , 2015, , .		0