Cristina Gonzalez-Garcia

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/10930227/publications.pdf

Version: 2024-02-01

25	1,033	471477 17	526264 27
papers	citations	h-index	g-index

30	30	30	1765
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Effect of nanoscale topography on fibronectin adsorption, focal adhesion size and matrix organisation. Colloids and Surfaces B: Biointerfaces, 2010, 77, 181-190.	5.0	108
2	Material-driven fibronectin assembly for high-efficiency presentation of growth factors. Science Advances, 2016, 2, e1600188.	10.3	104
3	Simple coating with fibronectin fragment enhances stainless steel screw osseointegration in healthy and osteoporotic rats. Biomaterials, 2015, 63, 137-145.	11.4	91
4	Stimulation of 3D osteogenesis by mesenchymal stem cells using a nanovibrational bioreactor. Nature Biomedical Engineering, 2017, 1, 758-770.	22.5	77
5	Protease-degradable microgels for protein delivery for vascularization. Biomaterials, 2017, 113, 170-175.	11.4	72
6	Engineered 3D hydrogels with full-length fibronectin that sequester and present growth factors. Biomaterials, 2020, 252, 120104.	11.4	64
7	Engineered microenvironments for synergistic VEGF â€“ Integrin signalling during vascularization. Biomaterials, 2017, 126, 61-74.	11.4	61
8	Biological Activity of the Substrate-Induced Fibronectin Network: Insight into the Third Dimension through Electrospun Fibers. Langmuir, 2009, 25, 10893-10900.	3.5	51
9	Nanoscale Coatings for Ultralow Dose BMPâ€2â€Driven Regeneration of Criticalâ€Sized Bone Defects. Advanced Science, 2019, 6, 1800361.	11.2	50
10	Subtle variations in polymer chemistry modulate substrate stiffness and fibronectin activity. Soft Matter, 2010, 6, 4748.	2.7	41
11	Surface mobility regulates skeletal stem cell differentiation. Integrative Biology (United Kingdom), 2012, 4, 531.	1.3	39
12	The strength of the protein-material interaction determines cell fate. Acta Biomaterialia, 2018, 77, 74-84.	8.3	28
13	Different Organization of Type I Collagen Immobilized on Silanized and Nonsilanized Titanium Surfaces Affects Fibroblast Adhesion and Fibronectin Secretion. ACS Applied Materials & Interfaces, 2015, 7, 20667-20677.	8.0	27
14	Designing topographically textured microparticles for induction and modulation of osteogenesis in mesenchymal stem cell engineering. Biomaterials, 2021, 266, 120450.	11.4	27
15	Fibronectin Distribution on Demixed Nanoscale Topographies. International Journal of Artificial Organs, 2011, 34, 54-63.	1.4	25
16	What Caging Force Cells Feel in 3D Hydrogels: A Rheological Perspective. Advanced Healthcare Materials, 2020, 9, e2000517.	7.6	23
17	A Hydrogel Platform that Incorporates Laminin Isoforms for Efficient Presentation of Growth Factors â€“ Neural Growth and Osteogenesis. Advanced Functional Materials, 2021, 31, 2010225.	14.9	21
18	Vitronectin alters fibronectin organization at the cellâ€“material interface. Colloids and Surfaces B: Biointerfaces, 2013, 111, 618-625.	5.0	20

#	Article	IF	Citations
19	Maintenance of chondrocyte phenotype during expansion on PLLA microtopographies. Journal of Tissue Engineering, 2018, 9, 204173141878982.	5.5	18
20	Vitronectin activity on polymer substrates with controlled â€“OH density. Polymer, 2010, 51, 2329-2336.	3.8	17
21	Molecular assembly and biological activity of a recombinant fragment of fibronectin (FNIII7â€“10) on poly(ethyl acrylate). Colloids and Surfaces B: Biointerfaces, 2010, 78, 310-316.	5.0	16
22	Arrangement of Type IV Collagen and Laminin on Substrates with Controlled Density of â€“OH Groups. Tissue Engineering - Part A, 2011, 17, 2245-2257.	3.1	13
23	Vitronectin as a Micromanager of Cell Response in Materialâ€Driven Fibronectin Nanonetworks. Advanced Biology, 2017, 1, 1700047.	3.0	11
24	Comparative Study of Osteogenic Activity of Multilayers Made of Synthetic and Biogenic Polyelectrolytes. Macromolecular Bioscience, 2017, 17, 1700078.	4.1	7
25	Material-Driven Fibronectin Fibrillogenesis. ACS Symposium Series, 2012, , 471-496.	0.5	5