

# Marco Cantini

## List of Publications by Year in descending order

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36  
papers

1,180  
citations

361413  
20  
h-index

395702  
33  
g-index

39  
all docs

39  
docs citations

39  
times ranked

2130  
citing authors

#	ARTICLE	IF	CITATIONS
1	Three-Dimensional Tunable Fibronectin-Collagen Platforms for Control of Cell Adhesion and Matrix Deposition. <i>Frontiers in Physics</i> , 2022, 10, .	2.1	3
2	Controlling the formation and alignment of low molecular weight gel “noodles”™. <i>Chemical Communications</i> , 2021, 57, 8782-8785.	4.1	9
3	Chapter 12. Bioinspired and Biostructive Surfaces to Control Mesenchymal Stem Cells. <i>RSC Soft Matter</i> , 2021, , 301-325.	0.4	0
4	You Talking to Me? Cadherin and Integrin Crosstalk in Biomaterial Design. <i>Advanced Healthcare Materials</i> , 2021, 10, e2002048.	7.6	28
5	ChondroGELesis: Hydrogels to harness the chondrogenic potential of stem cells. <i>Materials Science and Engineering C</i> , 2021, 121, 111822.	7.3	14
6	The Plot Thickens: The Emerging Role of Matrix Viscosity in Cell Mechanotransduction. <i>Advanced Healthcare Materials</i> , 2020, 9, e1901259.	7.6	75
7	Material-driven fibronectin assembly rescues matrix defects due to mutations in collagen IV in fibroblasts. <i>Biomaterials</i> , 2020, 252, 120090.	11.4	9
8	T-Cell–Derived miRNA-214 Mediates Perivascular Fibrosis in Hypertension. <i>Circulation Research</i> , 2020, 126, 988-1003.	4.5	59
9	The creatine–phosphagen system is mechanoresponsive in pancreatic adenocarcinoma and fuels invasion and metastasis. <i>Nature Metabolism</i> , 2020, 2, 62-80.	11.9	96
10	High Efficiency BMP-2 Coatings: Nanoscale Coatings for Ultralow Dose BMP-2-Driven Regeneration of Critical-Sized Bone Defects ( <i>Adv. Sci.</i> 2/2019). <i>Advanced Science</i> , 2019, 6, 1970009.	11.2	2
11	3D gelatin-chitosan hybrid hydrogels combined with human platelet lysate highly support human mesenchymal stem cell proliferation and osteogenic differentiation. <i>Journal of Tissue Engineering</i> , 2019, 10, 204173141984585.	5.5	59
12	Tissue Engineering: Functionalization of PLLA with Polymer Brushes to Trigger the Assembly of Fibronectin into Nanonetworks ( <i>Adv. Healthcare Mater.</i> 3/2019). <i>Advanced Healthcare Materials</i> , 2019, 8, 1970010.	7.6	5
13	Nanoscale Coatings for Ultralow Dose BMP–Driven Regeneration of Critical–Sized Bone Defects. <i>Advanced Science</i> , 2019, 6, 1800361.	11.2	50
14	Functionalization of PLLA with Polymer Brushes to Trigger the Assembly of Fibronectin into Nanonetworks. <i>Advanced Healthcare Materials</i> , 2019, 8, e1801469.	7.6	15
15	Molecular clutch drives cell response to surface viscosity. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018, 115, 1192-1197.	7.1	115
16	The strength of the protein-material interaction determines cell fate. <i>Acta Biomaterialia</i> , 2018, 77, 74-84.	8.3	28
17	Electrospun fibrinogen-PLA nanofibres for vascular tissue engineering. <i>Journal of Tissue Engineering and Regenerative Medicine</i> , 2017, 11, 2774-2784.	2.7	35
18	Engineered microenvironments for synergistic VEGF – Integrin signalling during vascularization. <i>Biomaterials</i> , 2017, 126, 61-74.	11.4	61

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19	Cell migration on material-driven fibronectin microenvironments. Biomaterials Science, 2017, 5, 1326-1333.	5.4	23
20	Vitronectin as a Micromanager of Cell Response in Material-Driven Fibronectin Nanonetworks. Advanced Biology, 2017, 1, 1700047.	3.0	11
21	Protein Adsorption as a Key Mediator in the Nanotopographical Control of Cell Behavior. ACS Nano, 2016, 10, 6638-6647.	14.6	105
22	Material-driven fibronectin assembly for high-efficiency presentation of growth factors. Science Advances, 2016, 2, e1600188.	10.3	104
23	Lateral Chain Length in Polyalkyl Acrylates Determines the Mobility of Fibronectin at the Cell/Material Interface. Langmuir, 2016, 32, 800-809.	3.5	29
24	Material-based strategies to engineer fibronectin matrices for regenerative medicine. International Materials Reviews, 2015, 60, 245-264.	19.3	20
25	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
26	A Fractal Nature for Polymerized Laminin. PLoS ONE, 2014, 9, e109388.	2.5	16
27	A Material-Based Platform to Modulate Fibronectin Activity and Focal Adhesion Assembly. BioResearch Open Access, 2014, 3, 286-296.	2.6	35
28	Vitronectin alters fibronectin organization at the cell-material interface. Colloids and Surfaces B: Biointerfaces, 2013, 111, 618-625.	5.0	20
29	Non-monotonic cell differentiation pattern on extreme wettability gradients. Biomaterials Science, 2013, 1, 202-212.	5.4	25
30	Design and Functional Testing of a Multichamber Perfusion Platform for Three-Dimensional Scaffolds. Scientific World Journal, The, 2013, 2013, 1-9.	2.1	18
31	Material-Driven Fibronectin Fibrillogenesis. ACS Symposium Series, 2012, , 471-496.	0.5	5
32	Controlled wettability, same chemistry: biological activity of plasma-polymerized coatings. Soft Matter, 2012, 8, 5575.	2.7	30
33	Effect of topological cues on material-driven fibronectin fibrillogenesis and cell differentiation. Journal of Materials Science: Materials in Medicine, 2012, 23, 195-204.	3.6	30
34	Numerical Fluid-Dynamic Optimization of Microchannel-Provided Porous Scaffolds for the Co-Culture of Adherent and Non-Adherent Cells. Tissue Engineering - Part A, 2009, 15, 615-623.	3.1	13
35	CFD-Aided Design of a Dynamic Culture System for the Co-Culture of Adherent and Non-Adherent Cells. , 2009, , .		0
36	Metabolite Transport Inside Channeled Porous Scaffolds for Haematopoietic Stem Cell Culture: A Computational Study. , 2008, , .		0