

# Patricia Rico

## List of Publications by Year in descending order

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Version: 2024-02-01

38  
papers

1,100  
citations

394390

19  
h-index

414395

32  
g-index

44  
all docs

44  
docs citations

44  
times ranked

1562  
citing authors

#	ARTICLE	IF	CITATIONS
1	Role of material-driven fibronectin fibrillogenesis in cell differentiation. <i>Biomaterials</i> , 2011, 32, 2099-2105.	11.4	122
2	Effect of nanoscale topography on fibronectin adsorption, focal adhesion size and matrix organisation. <i>Colloids and Surfaces B: Biointerfaces</i> , 2010, 77, 181-190.	5.0	108
3	Substrate-Induced Assembly of Fibronectin into Networks: Influence of Surface Chemistry and Effect on Osteoblast Adhesion. <i>Tissue Engineering - Part A</i> , 2009, 15, 3271-3281.	3.1	91
4	Role of Surface Chemistry in Protein Remodeling at the Cell-Material Interface. <i>PLoS ONE</i> , 2011, 6, e19610.	2.5	78
5	Engineered 3D hydrogels with full-length fibronectin that sequester and present growth factors. <i>Biomaterials</i> , 2020, 252, 120104.	11.4	64
6	Role of superhydrophobicity in the biological activity of fibronectin at the cell-material interface. <i>Soft Matter</i> , 2011, 7, 10803.	2.7	58
7	Insights into the Selective Pressures Restricting Pelargonium Flower Break Virus Genome Variability: Evidence for Host Adaptation. <i>Journal of Virology</i> , 2006, 80, 8124-8132.	3.4	56
8	Subtle variations in polymer chemistry modulate substrate stiffness and fibronectin activity. <i>Soft Matter</i> , 2010, 6, 4748.	2.7	41
9	Effect of in situ formed hydroxyapatite on microstructure of freeze-gelled chitosan-based biocomposite scaffolds. <i>European Polymer Journal</i> , 2015, 68, 278-287.	5.4	34
10	Controlled wettability, same chemistry: biological activity of plasma-polymerized coatings. <i>Soft Matter</i> , 2012, 8, 5575.	2.7	30
11	Effect of topological cues on material-driven fibronectin fibrillogenesis and cell differentiation. <i>Journal of Materials Science: Materials in Medicine</i> , 2012, 23, 195-204.	3.6	30
12	Complete nucleotide sequence and genome organization of Pelargonium flower break virus. <i>Archives of Virology</i> , 2004, 149, 641-651.	2.1	25
13	Fibronectin Distribution on Demixed Nanoscale Topographies. <i>International Journal of Artificial Organs</i> , 2011, 34, 54-63.	1.4	25
14	Assessment of the parameters influencing the fiber characteristics of electrospun poly(ethyl Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 222 7	3.4	24
15	Material-Driven Fibronectin Assembly Promotes Maintenance of Mesenchymal Stem Cell Phenotypes. <i>Advanced Functional Materials</i> , 2016, 26, 6563-6573.	14.9	23
16	Zinc uptake promotes myoblast differentiation via Zip7 transporter and activation of Akt signalling transduction pathway. <i>Scientific Reports</i> , 2018, 8, 13642.	3.3	22
17	Fibrinogen Patterns and Activity on Substrates with Tailored Hydroxy Density. <i>Macromolecular Bioscience</i> , 2009, 9, 766-775.	4.1	21
18	Role of Material-Driven Fibronectin Fibrillogenesis in Protein Remodeling. <i>BioResearch Open Access</i> , 2013, 2, 364-373.	2.6	21

#	ARTICLE	IF	CITATIONS
19	Development of a Ta/TaN/TaNx(Ag)y/TaN nanocomposite coating system and bio-response study for biomedical applications. <i>Vacuum</i> , 2017, 145, 55-67.	3.5	20
20	In Situ Hydroxyapatite Content Affects the Cell Differentiation on Porous Chitosan/Hydroxyapatite Scaffolds. <i>Annals of Biomedical Engineering</i> , 2016, 44, 1107-1119.	2.5	19
21	Borax-Loaded PLLA for Promotion of Myogenic Differentiation. <i>Tissue Engineering - Part A</i> , 2015, 21, 2662-2672.	3.1	17
22	Molecular assembly and biological activity of a recombinant fragment of fibronectin (FNIII7â€“10) on poly(ethyl acrylate). <i>Colloids and Surfaces B: Biointerfaces</i> , 2010, 78, 310-316.	5.0	16
23	Controlled Assembly of Fibronectin Nanofibrils Triggered by Random Copolymer Chemistry. <i>ACS Applied Materials &amp; Interfaces</i> , 2015, 7, 18125-18135.	8.0	16
24	Living biointerfaces based on non-pathogenic bacteria to direct cell differentiation. <i>Scientific Reports</i> , 2014, 4, 5849.	3.3	15
25	Development of multilayer Hydroxyapatite - Ag/TiN-Ti coatings deposited by radio frequency magnetron sputtering with potential application in the biomedical field. <i>Surface and Coatings Technology</i> , 2019, 377, 124856.	4.8	14
26	Dorsal and Ventral Stimuli in Cellâ€“Material Interactions: Effect on Cell Morphology. <i>Biointerphases</i> , 2012, 7, 39.	1.6	13
27	Functional Living Biointerphases. <i>Advanced Healthcare Materials</i> , 2013, 2, 1213-1218.	7.6	12
28	Simultaneous Boron Ionâ€“Channel/Growth Factor Receptor Activation for Enhanced Vascularization. <i>Advanced Biology</i> , 2019, 3, e1800220.	3.0	12
29	MC3T3-E1 Cell Response to Ti<sub>1â€“x</sub>Ag<sub>x</sub> and Ag-TiN<sub>x</sub> Electrodes Deposited on Piezoelectric Poly(vinylidene fluoride) Substrates for Sensor Applications. <i>ACS Applied Materials &amp; Interfaces</i> , 2016, 8, 4199-4207.	8.0	10
30	Borax-loaded injectable alginate hydrogels promote muscle regeneration in vivo after an injury. <i>Materials Science and Engineering C</i> , 2021, 123, 112003.	7.3	10
31	MC3T3-E1 cell response to microporous tantalum oxide surfaces enriched with Ca, P and Mg. <i>Materials Science and Engineering C</i> , 2021, 124, 112008.	7.3	10
32	Characterization of the subgenomic RNAs produced by Pelargonium flower break virus: Identification of two novel RNAs species. <i>Virus Research</i> , 2009, 142, 100-107.	2.2	9
33	Cell migration within confined sandwich-like nanoenvironments. <i>Nanomedicine</i> , 2015, 10, 815-828.	3.3	9
34	Borax induces osteogenesis by stimulating NaBC1 transporter via activation of BMP pathway. <i>Communications Biology</i> , 2020, 3, 717.	4.4	8
35	Zinc Maintains Embryonic Stem Cell Pluripotency and Multilineage Differentiation Potential via AKT Activation. <i>Frontiers in Cell and Developmental Biology</i> , 2019, 7, 180.	3.7	7
36	Lithium Directs Embryonic Stem Cell Differentiation Into Hemangioblastâ€“Like Cells. <i>Advanced Biology</i> , 2021, 5, 2000569.	2.5	1

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37	Bioinspired Microenvironments: Material-Driven Fibronectin Assembly Promotes Maintenance of Mesenchymal Stem Cell Phenotypes (Adv. Funct. Mater. 36/2016). Advanced Functional Materials, 2016, 26, 6671-6671.	14.9	0
38	Boron Ions: Simultaneous Boron Ion-Channel/Growth Factor Receptor Activation for Enhanced Vascularization (Adv. Biosys. 1/2019). Advanced Biology, 2019, 3, 1970014.	3.0	0