

Jordi Alcaraz

List of Publications by Year in descending order

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Version: 2024-02-01

46
papers

2,964
citations

257101

24
h-index

344852

36
g-index

48
all docs

48
docs citations

48
times ranked

4328
citing authors

#	ARTICLE	IF	CITATIONS
1	Matrix Metalloproteinases and Their Inhibitors in Pulmonary Fibrosis: EMMPRIN/CD147 Comes into Play. <i>International Journal of Molecular Sciences</i> , 2022, 23, 6894.	1.8	36
2	Aberrant TIMP-1 overexpression in tumor-associated fibroblasts drives tumor progression through CD63 in lung adenocarcinoma. <i>Matrix Biology</i> , 2022, 111, 207-225.	1.5	9
3	MMP1 drives tumor progression in large cell carcinoma of the lung through fibroblast senescence. <i>Cancer Letters</i> , 2021, 507, 1-12.	3.2	33
4	Epigenetic Reprogramming of Tumor-Associated Fibroblasts in Lung Cancer: Therapeutic Opportunities. <i>Cancers</i> , 2021, 13, 3782.	1.7	4
5	Epigenetic <i>SMAD3</i> Repression in Tumor-Associated Fibroblasts Impairs Fibrosis and Response to the Antifibrotic Drug Nintedanib in Lung Squamous Cell Carcinoma. <i>Cancer Research</i> , 2020, 80, 276-290.	0.4	25
6	Characterization of the elastic properties of extracellular matrix models by atomic force microscopy. <i>Methods in Cell Biology</i> , 2020, 156, 59-83.	0.5	7
7	Interleukin-1 β Modulation of the Mechanobiology of Primary Human Pulmonary Fibroblasts: Potential Implications in Lung Repair. <i>International Journal of Molecular Sciences</i> , 2020, 21, 8417.	1.8	8
8	Stromal markers of activated tumor associated fibroblasts predict poor survival and are associated with necrosis in non-small cell lung cancer. <i>Lung Cancer</i> , 2019, 135, 151-160.	0.9	36
9	Effects of Sustained and Intermittent Hypoxia on Human Lung Cancer Cells. <i>American Journal of Respiratory Cell and Molecular Biology</i> , 2019, 61, 540-544.	1.4	43
10	Abrogation of myofibroblast activities in metastasis and fibrosis by methyltransferase inhibition. <i>International Journal of Cancer</i> , 2019, 145, 3064-3077.	2.3	16
11	Abstract 2021: Role of MMP1-PAR-1 crosstalk in the pro-tumorigenic senescent fibroblasts in large cell carcinoma of the lung. , 2019, , .		0
12	Effects of Sustained and Intermittent Hypoxia on Human Lung Cancer Cells. , 2019, , .		0
13	Bidirectional mechanobiology between cells and their local extracellular matrix probed by atomic force microscopy. <i>Seminars in Cell and Developmental Biology</i> , 2018, 73, 71-81.	2.3	63
14	A mechanically active heterotypic E-cadherin/N-cadherin adhesion enables fibroblasts to drive cancer cell invasion. <i>Nature Cell Biology</i> , 2017, 19, 224-237.	4.6	567
15	Epithelial contribution to the profibrotic stiff microenvironment and myofibroblast population in lung fibrosis. <i>Molecular Biology of the Cell</i> , 2017, 28, 3741-3755.	0.9	33
16	Elastic properties of hydrogels and decellularized tissue sections used in mechanobiology studies probed by atomic force microscopy. <i>Microscopy Research and Technique</i> , 2017, 80, 85-96.	1.2	26
17	Nintedanib selectively inhibits the activation and tumour-promoting effects of fibroblasts from lung adenocarcinoma patients. <i>British Journal of Cancer</i> , 2017, 117, 1128-1138.	2.9	45
18	Dysregulated Collagen Homeostasis by Matrix Stiffening and TGF- β 1 in Fibroblasts from Idiopathic Pulmonary Fibrosis Patients: Role of FAK/Akt. <i>International Journal of Molecular Sciences</i> , 2017, 18, 2431.	1.8	68

#	ARTICLE	IF	CITATIONS
19	Effects of tumor stroma and inflammation on survival of stage I-IIp lung cancer. , 2017, , .		0
20	Heterotypic paracrine signaling drives fibroblast senescence and tumor progression of large cell carcinoma of the lung. Oncotarget, 2016, 7, 82324-82337.	0.8	17
21	Abstract 2763: DNA methylation profiling unveils TGF- β 2 hyperresponse in tumor associated fibroblasts from lung cancer patients. , 2016, , .		0
22	Abstract 4103: Cancer cell-stromal cell crosstalk drives fibroblast senescence and tumor progression in large cell carcinoma of the lung in culture and in vivo. , 2016, , .		0
23	Fibroblast viability and phenotypic changes within glycated stiffened three-dimensional collagen matrices. Respiratory Research, 2015, 16, 82.	1.4	51
24	Análisis de marcadores biológicos en el Proyecto Estratégico de Cáncer de Pulmón CIBERES-RTIC Cáncer-SEPAR. Archivos De Bronconeumología, 2015, 51, 462-467.	0.4	9
25	Aberrant DNA methylation in non-small cell lung cancer-associated fibroblasts. Carcinogenesis, 2015, 36, bgv146.	1.3	84
26	Matrix Stiffening and β 1 Integrin Drive Subtype-Specific Fibroblast Accumulation in Lung Cancer. Molecular Cancer Research, 2015, 13, 161-173.	1.5	44
27	Abstract 3366: The mechanical microenvironment and β 1/FAK signaling control fibroblast accumulation in lung cancer. , 2015, , .		0
28	Oxygen diffusion and consumption in extracellular matrix gels: Implications for designing three-dimensional cultures. Journal of Biomedical Materials Research - Part A, 2014, 102, 2776-2784.	2.1	63
29	A spectrophotometer-based diffusivity assay reveals that diffusion hindrance of small molecules in extracellular matrix gels used in 3D cultures is dominated by viscous effects. Colloids and Surfaces B: Biointerfaces, 2014, 120, 200-207.	2.5	35
30	Abstract 1089: Matrix stiffening and β 1 integrin promote fibroblast accumulation in lung squamous cell carcinomas but not in adenocarcinomas. , 2014, , .		0
31	Transmembrane/cytoplasmic, rather than catalytic, domains of Mmp14 signal to MAPK activation and mammary branching morphogenesis via binding to integrin β 1. Development (Cambridge), 2013, 140, 343-352.	1.2	91
32	Transmembrane/cytoplasmic, rather than catalytic, domains of Mmp14 signal to MAPK activation and mammary branching morphogenesis via binding to integrin β 1. Journal of Cell Science, 2013, 126, e1-e1.	1.2	0
33	Abstract 1103: An abnormally stiff microenvironment supports the overabundance of fibroblasts in non-small cell lung cancer.. , 2013, , .		0
34	Integrin-Specific Mechanoresponses to Compression and Extension Probed by Cylindrical Flat-Ended AFM Tips in Lung Cells. PLoS ONE, 2012, 7, e32261.	1.1	31
35	Abstract 1482: Abnormal abundance of senescent fibroblasts in the tumor stroma of non-small cell lung cancer patients. , 2012, , .		0
36	Collective epithelial cell invasion overcomes mechanical barriers of collagenous extracellular matrix by a narrow tube-like geometry and MMP14-dependent local softening. Integrative Biology (United Kingdom), 2011, 3, 1153.	0.6	50

#	ARTICLE	IF	CITATIONS
37	Fibroblast Cell Growth And Viability Inside A Stiffened Three Dimensional Collagen Matrix. , 2011, , .		0
38	Laminin and biomimetic extracellular elasticity enhance functional differentiation in mammary epithelia. EMBO Journal, 2008, 27, 2829-2838.	3.5	161
39	Micropatterning of Single Endothelial Cell Shape Reveals a Tight Coupling between Nuclear Volume in G1 and Proliferation. Biophysical Journal, 2008, 94, 4984-4995.	0.2	168
40	Cell shape regulates global histone acetylation in human mammary epithelial cells. Experimental Cell Research, 2007, 313, 3066-3075.	1.2	150
41	Nanomechanics of lung epithelial cells. International Journal of Nanotechnology, 2005, 2, 180.	0.1	7
42	Biomechanical Approaches for Studying Integration of Tissue Structure and Function in Mammary Epithelia. Journal of Mammary Gland Biology and Neoplasia, 2004, 9, 361-374.	1.0	21
43	Microrheology of Human Lung Epithelial Cells Measured by Atomic Force Microscopy. Biophysical Journal, 2003, 84, 2071-2079.	0.2	630
44	Correction of Microrheological Measurements of Soft Samples with Atomic Force Microscopy for the Hydrodynamic Drag on the Cantilever. Langmuir, 2002, 18, 716-721.	1.6	161
45	Measurement of cell microrheology by magnetic twisting cytometry with frequency domain demodulation. Journal of Applied Physiology, 2001, 91, 1152-1159.	1.2	136
46	Evaluation of a method for assessing respiratory mechanics during noninvasive ventilation. European Respiratory Journal, 2000, 16, 704.	3.1	18