

# Boris Hinz

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/2646581/publications.pdf>

Version: 2024-02-01

149  
papers

25,978  
citations

12303

69  
h-index

10708

138  
g-index

183  
all docs

183  
docs citations

183  
times ranked

25641  
citing authors

#	ARTICLE	IF	CITATIONS
1	Controlled release of low-molecular weight, polymer-free corticosteroid coatings suppresses fibrotic encapsulation of implanted medical devices. <i>Biomaterials</i> , 2022, 286, 121586.	5.7	6
2	miR-127-3p Is an Epigenetic Activator of Myofibroblast Senescence Situated within the MicroRNA-Enriched Dlk1-Dio3 Imprinted Domain on Mouse Chromosome 12. <i>Journal of Investigative Dermatology</i> , 2021, 141, 1076-1086.e3.	0.3	9
3	S77 The G proteins G $\alpha$ 11 and G $\alpha$ 12/13 drive unique myofibroblast functions to promote pulmonary fibrosis. , 2021, , .		0
4	Animal and Human Models of Tissue Repair and Fibrosis: An Introduction. <i>Methods in Molecular Biology</i> , 2021, 2299, 277-290.	0.4	11
5	Myofibroblast Markers and Microscopy Detection Methods in Cell Culture and Histology. <i>Methods in Molecular Biology</i> , 2021, 2299, 17-47.	0.4	21
6	Myocardial Infarction Induces Cardiac Fibroblast Transformation within Injured and Noninjured Regions of the Mouse Heart. <i>Journal of Proteome Research</i> , 2021, 20, 2867-2881.	1.8	16
7	Suppression of the fibrotic encapsulation of silicone implants by inhibiting the mechanical activation of pro-fibrotic TGF- $\beta$ 2. <i>Nature Biomedical Engineering</i> , 2021, 5, 1437-1456.	11.6	67
8	The inflammatory speech of fibroblasts. <i>Immunological Reviews</i> , 2021, 302, 126-146.	2.8	79
9	The myofibroblast and Giulio Gabbiani: An inseparable couple celebrates their 50 years golden wedding anniversary. <i>Wound Repair and Regeneration</i> , 2021, 29, 511-514.	1.5	4
10	A story of fibers and stress: Matrix embedded signals for fibroblast activation in the skin. <i>Wound Repair and Regeneration</i> , 2021, 29, 515-530.	1.5	17
11	Implant Fibrosis and the Underappreciated Role of Myofibroblasts in the Foreign Body Reaction. <i>Cells</i> , 2021, 10, 1794.	1.8	53
12	Compromised dental cells viability following teeth-whitening exposure. <i>Scientific Reports</i> , 2021, 11, 15547.	1.6	3
13	Pro-inflammatory immunity supports fibrosis advancement in epidermolysis bullosa: intervention with Ang-1. <i>EMBO Molecular Medicine</i> , 2021, 13, e14392.	3.3	13
14	A Rodent Model of Hypertrophic Scarring: Splinting of Rat Wounds. <i>Methods in Molecular Biology</i> , 2021, 2299, 405-417.	0.4	8
15	Multipotent stromal cells: One name, multiple identities. <i>Cell Stem Cell</i> , 2021, 28, 1690-1707.	5.2	73
16	Physics and Physiology of Cell Spreading in Two and Three Dimensions. <i>Physiology</i> , 2021, 36, 382-391.	1.6	11
17	A novel method for engineering autologous non-thrombogenic in situ tissue-engineered blood vessels for arteriovenous grafting. <i>Biomaterials</i> , 2020, 229, 119577.	5.7	21
18	TGF- $\beta$ 1 " A truly transforming growth factor in fibrosis and immunity. <i>Seminars in Cell and Developmental Biology</i> , 2020, 101, 123-139.	2.3	264

#	ARTICLE	IF	CITATIONS
19	Dancing with the Cells: Acoustic Microflows Generated by Oscillating Cells. <i>Small</i> , 2020, 16, 1903788.	5.2	12
20	Evasion of apoptosis by myofibroblasts: a hallmark of fibrotic diseases. <i>Nature Reviews Rheumatology</i> , 2020, 16, 11-31.	3.5	320
21	The circadian clock protein REVERB1± inhibits pulmonary fibrosis development. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020, 117, 1139-1147.	3.3	57
22	CXCR3A promotes the secretion of the antifibrotic decoy receptor sIL-13R1±2 by pulmonary fibroblasts. <i>American Journal of Physiology - Cell Physiology</i> , 2020, 319, C1059-C1069.	2.1	6
23	New injectable self-assembled hydrogels that promote angiogenesis through a bioactive degradation product. <i>Acta Biomaterialia</i> , 2020, 115, 197-209.	4.1	13
24	Kindlin-2 Mediates Mechanical Activation of Cardiac Myofibroblasts. <i>Cells</i> , 2020, 9, 2702.	1.8	12
25	Acoustic Microflows: Dancing with the Cells: Acoustic Microflows Generated by Oscillating Cells (Small 9/2020). <i>Small</i> , 2020, 16, 2070045.	5.2	0
26	The myofibroblast at a glance. <i>Journal of Cell Science</i> , 2020, 133, .	1.2	167
27	Combinatorial extracellular matrix microarray identifies novel bioengineered substrates for xeno-free culture of human pluripotent stem cells. <i>Biomaterials</i> , 2020, 248, 120017.	5.7	23
28	CCN1 expression by fibroblasts is required for bleomycin-induced skin fibrosis. <i>Matrix Biology Plus</i> , 2019, 3, 100009.	1.9	15
29	Tracking adiponectin biodistribution via fluorescence molecular tomography indicates increased vascular permeability after streptozotocin-induced diabetes. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2019, 317, E760-E772.	1.8	5
30	Interaction of Pregnancy-Specific Glycoprotein 1 With Integrin 1±5±1 Is a Modulator of Extravillous Trophoblast Functions. <i>Cells</i> , 2019, 8, 1369.	1.8	30
31	Dynamic fibroblast contractions attract remote macrophages in fibrillar collagen matrix. <i>Nature Communications</i> , 2019, 10, 1850.	5.8	167
32	Mechanical regulation of myofibroblast phenoconversion and collagen contraction. <i>Experimental Cell Research</i> , 2019, 379, 119-128.	1.2	118
33	Fascia Is Able to Actively Contract and May Thereby Influence Musculoskeletal Dynamics: A Histochemical and Mechanographic Investigation. <i>Frontiers in Physiology</i> , 2019, 10, 336.	1.3	77
34	Cadherin-11±mediated adhesion of macrophages to myofibroblasts establishes a profibrotic niche of active TGF-1±2. <i>Science Signaling</i> , 2019, 12, .	1.6	113
35	Therapeutic approaches to control tissue repair and fibrosis: Extracellular matrix as a game changer. <i>Matrix Biology</i> , 2018, 71-72, 205-224.	1.5	147
36	The big five in fibrosis: Macrophages, myofibroblasts, matrix, mechanics, and miscommunication. <i>Matrix Biology</i> , 2018, 68-69, 81-93.	1.5	281

#	ARTICLE	IF	CITATIONS
37	The ED-A domain enhances the capacity of fibronectin to store latent TGF- $\beta$ 2 binding protein-1 in the fibroblast matrix. <i>Journal of Cell Science</i> , 2018, 131, .	1.2	107
38	Experimental Right Ventricular Hypertension Induces Regional $\beta$ 1-Integrin-Mediated Transduction of Hypertrophic and Profibrotic Right and Left Ventricular Signaling. <i>Journal of the American Heart Association</i> , 2018, 7, .	1.6	22
39	Activation of latent transforming growth factor- $\beta$ 2, a conserved function for pregnancy-specific beta 1-glycoproteins. <i>Molecular Human Reproduction</i> , 2018, 24, 602-612.	1.3	25
40	Fibrotic microtissue array to predict anti-fibrosis drug efficacy. <i>Nature Communications</i> , 2018, 9, 2066.	5.8	102
41	Novel differences in gene expression and functional capabilities of myofibroblast populations in idiopathic pulmonary fibrosis. <i>American Journal of Physiology - Lung Cellular and Molecular Physiology</i> , 2018, 315, L697-L710.	1.3	22
42	Discoidin Domain Receptor 1 Mediates Myosin-Dependent Collagen Contraction. <i>Cell Reports</i> , 2017, 18, 1774-1790.	2.9	83
43	Plasma fibronectin stabilizes <i>Borrelia burgdorferi</i> endothelial interactions under vascular shear stress by a catch-bond mechanism. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017, 114, E3490-E3498.	3.3	35
44	Activin A in Inflammation, Tissue Repair, and Fibrosis: Possible Role as Inflammatory and Fibrotic Mediator of Uterine Fibroid Development and Growth. <i>Seminars in Reproductive Medicine</i> , 2017, 35, 499-509.	0.5	27
45	MicroRNA-21 preserves the fibrotic mechanical memory of mesenchymal stem cells. <i>Nature Materials</i> , 2017, 16, 379-389.	13.3	234
46	Collagen scaffold enhances the regenerative properties of mesenchymal stromal cells. <i>PLoS ONE</i> , 2017, 12, e0187348.	1.1	60
47	Lipocalin-2 induces NLRP3 inflammasome activation via HMGB1 induced TLR4 signaling in heart tissue of mice under pressure overload challenge. <i>American Journal of Translational Research (discontinued)</i> , 2017, 9, 2723-2735.	0.0	21
48	Targeting the myofibroblast to improve wound healing. , 2016, , 69-100.		5
49	The myofibroblast in wound healing and fibrosis: answered and unanswered questions. <i>F1000Research</i> , 2016, 5, 752.	0.8	209
50	Does Breathing Amplify Fibrosis?. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2016, 194, 9-11.	2.5	29
51	Crossing Into the Next Frontier of Cardiac Extracellular Matrix Research. <i>Circulation Research</i> , 2016, 119, 1040-1045.	2.0	50
52	Cellular, structural and functional cardiac remodelling following pressure overload and unloading. <i>International Journal of Cardiology</i> , 2016, 216, 32-42.	0.8	13
53	The role of myofibroblasts in wound healing. <i>Current Research in Translational Medicine</i> , 2016, 64, 171-177.	1.2	207
54	Strategies to overcome the hurdles to treat fibrosis, a major unmet clinical need. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016, 113, 7291-7293.	3.3	23

#	ARTICLE	IF	CITATIONS
55	Integrins Form an Expanding Diffusional Barrier that Coordinates Phagocytosis. <i>Cell</i> , 2016, 164, 128-140.	13.5	163
56	YAP/TAZ Are Mechanoregulators of TGF- $\beta$ 2-Smad Signaling and Renal Fibrogenesis. <i>Journal of the American Society of Nephrology: JASN</i> , 2016, 27, 3117-3128.	3.0	316
57	Hic-5 is required for myofibroblast differentiation by regulating mechanically dependent MRTF-A nuclear accumulation. <i>Journal of Cell Science</i> , 2016, 129, 774-87.	1.2	50
58	Possible involvement of inflammatory/reparative processes in the development of uterine fibroids. <i>Cell and Tissue Research</i> , 2016, 364, 415-427.	1.5	87
59	Mechanical control of cardiac myofibroblasts. <i>Journal of Molecular and Cellular Cardiology</i> , 2016, 93, 133-142.	0.9	192
60	Myofibroblasts. <i>Experimental Eye Research</i> , 2016, 142, 56-70.	1.2	323
61	Connecting (T)issues: How Research in Fascia Biology Can Impact Integrative Oncology. <i>Cancer Research</i> , 2016, 76, 6159-6162.	0.4	34
62	Hyperglycemia Interacts with Ischemia in a Synergistic Way on Wound Repair and Myofibroblast Differentiation. <i>Plastic and Reconstructive Surgery - Global Open</i> , 2015, 3, e471.	0.3	17
63	Expression of $\beta$ -Smooth Muscle Actin Determines the Fate of Mesenchymal Stromal Cells. <i>Stem Cell Reports</i> , 2015, 4, 1016-1030.	2.3	162
64	The Stressful Life of Cardiac Myofibroblasts. , 2015, , 71-92.		1
65	Filamin A Mediates Wound Closure by Promoting Elastic Deformation and Maintenance of Tension in the Collagen Matrix. <i>Journal of Investigative Dermatology</i> , 2015, 135, 2852-2861.	0.3	19
66	Novel micropatterns mechanically control fibrotic reactions at the surface of silicone implants. <i>Biomaterials</i> , 2015, 54, 136-147.	5.7	35
67	Signs of stress on soft surfaces. <i>Journal of Cell Communication and Signaling</i> , 2015, 9, 305-307.	1.8	9
68	YAP1 Is a Driver of Myofibroblast Differentiation in Normal and Diseased Fibroblasts. <i>American Journal of Pathology</i> , 2015, 185, 3326-3337.	1.9	106
69	The extracellular matrix and transforming growth factor- $\beta$ 1: Tale of a strained relationship. <i>Matrix Biology</i> , 2015, 47, 54-65.	1.5	453
70	Temporal and Molecular Analyses of Cardiac Extracellular Matrix Remodeling following Pressure Overload in Adiponectin Deficient Mice. <i>PLoS ONE</i> , 2015, 10, e0121049.	1.1	16
71	Pulmonary vein stenosis and the pathophysiology of "upstream" pulmonary veins. <i>Journal of Thoracic and Cardiovascular Surgery</i> , 2014, 148, 245-253.	0.4	77
72	Prestress in the extracellular matrix sensitizes latent TGF- $\beta$ 1 for activation. <i>Journal of Cell Biology</i> , 2014, 207, 283-297.	2.3	184

#	ARTICLE	IF	CITATIONS
73	Integrins $\alpha 5 \beta 1$ and $\alpha 3 \beta 1$ promote latent TGF- $\beta 1$ activation by human cardiac fibroblast contraction. <i>Cardiovascular Research</i> , 2014, 102, 407-417.	1.8	184
74	The Nano-Scale Mechanical Properties of the Extracellular Matrix Regulate Dermal Fibroblast Function. <i>Journal of Investigative Dermatology</i> , 2014, 134, 1862-1872.	0.3	207
75	$\beta 2$ -Catenin-regulated myeloid cell adhesion and migration determine wound healing. <i>Journal of Clinical Investigation</i> , 2014, 124, 2599-2610.	3.9	108
76	The 22nd annual meeting of the European Tissue Repair Society (ETRS) in Athens, Greece. <i>Fibrogenesis and Tissue Repair</i> , 2013, 6, 3.	3.4	0
77	The myofibroblast matrix: implications for tissue repair and fibrosis. <i>Journal of Pathology</i> , 2013, 229, 298-309.	2.1	560
78	Preclinical Models of Wound Healing: Is Man the Model? Proceedings of the Wound Healing Society Symposium. <i>Advances in Wound Care</i> , 2013, 2, 1-4.	2.6	59
79	It has to be the $\alpha v$ : myofibroblast integrins activate latent TGF- $\beta 1$ . <i>Nature Medicine</i> , 2013, 19, 1567-1568.	15.2	57
80	Matrix mechanics and regulation of the fibroblast phenotype. <i>Periodontology 2000</i> , 2013, 63, 14-28.	6.3	67
81	Differential topical susceptibility to TGF- $\beta 2$ in intact and injured regions of the epithelium: key role in myofibroblast transition. <i>Molecular Biology of the Cell</i> , 2013, 24, 3326-3336.	0.9	45
82	The Mechanical Environment Modulates Intracellular Calcium Oscillation Activities of Myofibroblasts. <i>PLoS ONE</i> , 2013, 8, e64560.	1.1	64
83	Cells Lacking $\beta 2$ -Actin are Genetically Reprogrammed and Maintain Conditional Migratory Capacity*. <i>Molecular and Cellular Proteomics</i> , 2012, 11, 255-271.	2.5	93
84	Culture of Primary Bovine Chondrocytes on a Continuously Expanding Surface Inhibits Dedifferentiation. <i>Tissue Engineering - Part A</i> , 2012, 18, 2466-2476.	1.6	41
85	Nonactivated versus Thrombin-Activated Platelets on Wound Healing and Fibroblast-to-Myofibroblast Differentiation In Vivo and In Vitro. <i>Plastic and Reconstructive Surgery</i> , 2012, 129, 46e-54e.	0.7	84
86	Mechanical Aspects of Lung Fibrosis. <i>Proceedings of the American Thoracic Society</i> , 2012, 9, 137-147.	3.5	169
87	The mechanical memory of lung myofibroblasts. <i>Integrative Biology (United Kingdom)</i> , 2012, 4, 410.	0.6	273
88	The role of the myofibroblast in tumor stroma remodeling. <i>Cell Adhesion and Migration</i> , 2012, 6, 203-219.	1.1	202
89	Recent Developments in Myofibroblast Biology. <i>American Journal of Pathology</i> , 2012, 180, 1340-1355.	1.9	1,043
90	Heterogeneity of Smooth Muscle. , 2012, , 1183-1195.		6

#	ARTICLE	IF	CITATIONS
91	5.2 Integrin function in heart fibrosis: mechanical strain, transforming growth factor-beta 1 activation, and collagen glycation. , 2012, , 406-431.		0
92	Triplet Imaging of Oxygen Consumption During the Contraction of a Single Smooth Muscle Cell (A7r5). <i>Advances in Experimental Medicine and Biology</i> , 2012, 737, 263-268.	0.8	1
93	The Role of the Myofibroblast in Dupuytren's Disease: Fundamental Aspects of Contraction and Therapeutic Perspectives. , 2012, , 53-60.		2
94	The Role of the Myofibroblast in Fibrosis and Cancer Progression. , 2011, , 37-74.		5
95	A Key Role for NOX4 in Epithelial Cell Death During Development of Lung Fibrosis. <i>Antioxidants and Redox Signaling</i> , 2011, 15, 607-619.	2.5	249
96	Induction of p38, tumour necrosis factor- $\alpha$ and RANTES by mechanical stretching of keratinocytes expressing mutant keratin 10R156H. <i>British Journal of Dermatology</i> , 2011, 164, 125-134.	1.4	8
97	The Single-Molecule Mechanics of the Latent TGF- $\beta$ 1 Complex. <i>Current Biology</i> , 2011, 21, 2046-2054.	1.8	214
98	Tumor Cell Invasion Is Promoted by Interstitial Flow-Induced Matrix Priming by Stromal Fibroblasts. <i>Cancer Research</i> , 2011, 71, 790-800.	0.4	151
99	Dynamic Expansion Culture for Mesenchymal Stem Cells. <i>Methods in Molecular Biology</i> , 2011, 698, 175-188.	0.4	24
100	Regulation of myofibroblast activities: Calcium pulls some strings behind the scene. <i>Experimental Cell Research</i> , 2010, 316, 2390-2401.	1.2	105
101	The myofibroblast: Paradigm for a mechanically active cell. <i>Journal of Biomechanics</i> , 2010, 43, 146-155.	0.9	544
102	The myofibroblast in connective tissue repair and regeneration. , 2010, , 39-80.		10
103	A new lock-step mechanism of matrix remodelling based on subcellular contractile events. <i>Journal of Cell Science</i> , 2010, 123, 1751-1760.	1.2	105
104	Hypoxia Impairs Skin Myofibroblast Differentiation and Function. <i>Journal of Investigative Dermatology</i> , 2010, 130, 2818-2827.	0.3	74
105	Immunofluorescence Detection of the Cytoskeleton and Extracellular Matrix in Tissue and Cultured Cells. <i>Methods in Molecular Biology</i> , 2010, 611, 43-57.	0.4	21
106	Triplet Imaging of Oxygen Consumption during the Contraction of a Single Smooth Muscle Cell (A7r5). <i>Biophysical Journal</i> , 2010, 98, 339-349.	0.2	37
107	Mechanical Induction of Gene Expression in Connective Tissue Cells. <i>Methods in Cell Biology</i> , 2010, 98, 178-205.	0.5	46
108	Fibrosis: recent advances in myofibroblast biology and new therapeutic perspectives. <i>F1000 Biology Reports</i> , 2010, 2, 78.	4.0	134

#	ARTICLE	IF	CITATIONS
109	NOX4 Expression in Human Microglia Leads to Constitutive Generation of Reactive Oxygen Species and to Constitutive IL-6 Expression. <i>Journal of Innate Immunity</i> , 2009, 1, 570-581.	1.8	60
110	The covalent attachment of adhesion molecules to silicone membranes for cell stretching applications. <i>Biomaterials</i> , 2009, 30, 1781-1789.	5.7	114
111	Tissue stiffness, latent TGF- $\beta$ 1 Activation, and mechanical signal transduction: Implications for the pathogenesis and treatment of fibrosis. <i>Current Rheumatology Reports</i> , 2009, 11, 120-126.	2.1	321
112	A Novel Method of Dynamic Culture Surface Expansion Improves Mesenchymal Stem Cell Proliferation and Phenotype. <i>Stem Cells</i> , 2009, 27, 200-209.	1.4	62
113	Myofibroblasts work best under stress. <i>Journal of Bodywork and Movement Therapies</i> , 2009, 13, 121-127.	0.5	60
114	The effect of lactose-conjugated silk biomaterials on the development of fibrogenic fibroblasts. <i>Biomaterials</i> , 2008, 29, 4665-4675.	5.7	51
115	Molecular regulation of myofibroblast formation. <i>Experimental Dermatology</i> , 2008, 17, 884-886.	1.4	0
116	Integrins and the activation of latent transforming growth factor $\beta$ 1 – An intimate relationship. <i>European Journal of Cell Biology</i> , 2008, 87, 601-615.	1.6	465
117	Lkb1 is required for TGF $\beta$ 2-mediated myofibroblast differentiation. <i>Journal of Cell Science</i> , 2008, 121, 3531-3540.	1.2	36
118	Fibrogenic fibroblasts increase intercellular adhesion strength by reinforcing individual OB-cadherin bonds. <i>Journal of Cell Science</i> , 2008, 121, 877-886.	1.2	69
119	Myofibroblast communication is controlled by intercellular mechanical coupling. <i>Journal of Cell Science</i> , 2008, 121, 3305-3316.	1.2	100
120	Critical substrate stiffness initiates smooth muscle $\alpha$ -actin promoter activity in myofibroblasts. <i>FASEB Journal</i> , 2008, 22, 22-22.	0.2	2
121	The Myofibroblast. <i>American Journal of Pathology</i> , 2007, 170, 1807-1816.	1.9	1,782
122	Myofibroblast contraction activates latent TGF- $\beta$ 1 from the extracellular matrix. <i>Journal of Cell Biology</i> , 2007, 179, 1311-1323.	2.3	1,118
123	Fibroblastic reticular cells in lymph nodes regulate the homeostasis of naive T cells. <i>Nature Immunology</i> , 2007, 8, 1255-1265.	7.0	809
124	Formation and Function of the Myofibroblast during Tissue Repair. <i>Journal of Investigative Dermatology</i> , 2007, 127, 526-537.	0.3	1,277
125	Contraction of myofibroblasts in granulation tissue is dependent on Rho/Rho kinase/myosin light chain phosphatase activity. <i>Wound Repair and Regeneration</i> , 2006, 14, 313-320.	1.5	86
126	Isoform-Specific Regulation of the Actin-Organizing Protein Palladin during TGF- $\beta$ 1-Induced Myofibroblast Differentiation. <i>Journal of Investigative Dermatology</i> , 2006, 126, 2387-2396.	0.3	83



#	ARTICLE	IF	CITATIONS
127	Masters and servants of the force: The role of matrix adhesions in myofibroblast force perception and transmission. <i>European Journal of Cell Biology</i> , 2006, 85, 175-181.	1.6	243
128	Focal adhesion size controls tension-dependent recruitment of $\beta$ -smooth muscle actin to stress fibers. <i>Journal of Cell Biology</i> , 2006, 172, 259-268.	2.3	625
129	Contribution of Interstitial Fluid Flow to Fibroblast Alignment and Differentiation. <i>Wound Repair and Regeneration</i> , 2005, 13, A23-A23.	1.5	0
130	Interstitial fluid flow induces myofibroblast differentiation and collagen alignment in vitro. <i>Journal of Cell Science</i> , 2005, 118, 4731-4739.	1.2	322
131	The N-terminal Ac-EEED sequence plays a role in $\beta$ -smooth-muscle actin incorporation into stress fibers. <i>Journal of Cell Science</i> , 2005, 118, 1395-1404.	1.2	51
132	Wound-healing defect of CD18 $\beta$ <sup>-/-</sup> mice due to a decrease in TGF- $\beta$ 1 and myofibroblast differentiation. <i>EMBO Journal</i> , 2005, 24, 3400-3410.	3.5	142
133	Biocompatibility of Bioresorbable Poly(L-lactic acid) Composite Scaffolds Obtained by Supercritical Gas Foaming with Human Fetal Bone Cells. <i>Tissue Engineering</i> , 2005, 11, 1640-1649.	4.9	114
134	THE MICRO-REQUIREMENTS FOR CONNECTIVE TISSUE REMODELING : Adhesion Size Controls Myofibroblast Differentiation. <i>Proceedings of the JSME Bioengineering Conference and Seminar</i> , 2005, 2004.17, 251.	0.0	0
135	Dissecting the roles of endothelin, TGF- $\beta$ 2 and GM-CSF on myofibroblast differentiation by keratinocytes. <i>Thrombosis and Haemostasis</i> , 2004, 92, 262-274.	1.8	84
136	Myofibroblast Development Is Characterized by Specific Cell-Cell Adherens Junctions. <i>Molecular Biology of the Cell</i> , 2004, 15, 4310-4320.	0.9	198
137	Transgenic Mice Reveal Novel Activities of Growth Hormone in Wound Repair, Angiogenesis, and Myofibroblast Differentiation. <i>Journal of Biological Chemistry</i> , 2004, 279, 26674-26684.	1.6	41
138	The Contractile Properties and Responses to Tensional Loading of Dupuytren's Disease-Derived Fibroblasts Are Altered: A Cause of the Contracture?. <i>Plastic and Reconstructive Surgery</i> , 2004, 113, 622-624.	0.7	4
139	Mechanisms of force generation and transmission by myofibroblasts. <i>Current Opinion in Biotechnology</i> , 2003, 14, 538-546.	3.3	354
140	$\beta$ -Smooth Muscle Actin Is Crucial for Focal Adhesion Maturation in Myofibroblasts. <i>Molecular Biology of the Cell</i> , 2003, 14, 2508-2519.	0.9	262
141	Cell-matrix and cell-cell contacts of myofibroblasts: role in connective tissue remodeling. <i>Thrombosis and Haemostasis</i> , 2003, 90, 993-1002.	1.8	220
142	The NH2-terminal peptide of $\beta$ -smooth muscle actin inhibits force generation by the myofibroblast in vitro and in vivo. <i>Journal of Cell Biology</i> , 2002, 157, 657-663.	2.3	215
143	Myofibroblasts and mechano-regulation of connective tissue remodelling. <i>Nature Reviews Molecular Cell Biology</i> , 2002, 3, 349-363.	16.1	3,539
144	Mechanical Tension Controls Granulation Tissue Contractile Activity and Myofibroblast Differentiation. <i>American Journal of Pathology</i> , 2001, 159, 1009-1020.	1.9	542

#	ARTICLE	IF	CITATIONS
145	Marching at the front and dragging behind. <i>Journal of Cell Biology</i> , 2001, 155, 1319-1332.	2.3	332
146	Alpha-Smooth Muscle Actin Expression Upregulates Fibroblast Contractile Activity. <i>Molecular Biology of the Cell</i> , 2001, 12, 2730-2741.	0.9	1,076
147	Actin-dependent Lamellipodia Formation and Microtubule-dependent Tail Retraction Control-directed Cell Migration. <i>Molecular Biology of the Cell</i> , 2000, 11, 2999-3012.	0.9	212
148	Quantifying Lamella Dynamics of Cultured Cells by SACED, a New Computer-Assisted Motion Analysis. <i>Experimental Cell Research</i> , 1999, 251, 234-243.	1.2	119
149	Patterns of spontaneous motility in videomicrographs of human epidermal keratinocytes (HEK). <i>Biochemistry and Cell Biology</i> , 1995, 73, 441-459.	0.9	22