Boris Hinz

List of Publications by Year in descending order

149 papers	25,978 citations	12322 69 h-index	10724 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. Biomaterials, 2022, 286, 121586.	5.7	6
2	miR-127-3p Is an Epigenetic Activator of Myofibroblast Senescence Situated within the MicroRNA-Enriched Dlk1-Dio3â€'Imprinted Domain on Mouse Chromosome 12. Journal of Investigative Dermatology, 2021, 141, 1076-1086.e3.	0.3	9
3	S77â€...The G proteins GÎ±q/11 and GÎ±12/13 drive unique myofibroblast functions to promote pulmonary fibrosis. , 2021, , .		0
4	Animal and Human Models of Tissue Repair and Fibrosis: An Introduction. Methods in Molecular Biology, 2021, 2299, 277-290.	0.4	11
5	Myofibroblast Markers and Microscopy Detection Methods in Cell Culture and Histology. Methods in Molecular Biology, 2021, 2299, 17-47.	0.4	21
6	Myocardial Infarction Induces Cardiac Fibroblast Transformation within Injured and Noninjured Regions of the Mouse Heart. Journal of Proteome Research, 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-Î². Nature Biomedical Engineering, 2021, 5, 1437-1456.	11.6	67
8	The inflammatory speech of fibroblasts. Immunological Reviews, 2021, 302, 126-146.	2.8	79
9	The myofibroblast and Giulio Gabbiani: An inseparable couple celebrates their 50â€‰years golden wedding anniversary. Wound Repair and Regeneration, 2021, 29, 511-514.	1.5	4
10	A story of fibers and stress: <scp>Matrixâ€embedded</scp> signals for fibroblast activation in the skin. Wound Repair and Regeneration, 2021, 29, 515-530.	1.5	17
11	Implant Fibrosis and the Underappreciated Role of Myofibroblasts in the Foreign Body Reaction. Cells, 2021, 10, 1794.	1.8	53
12	Compromised dental cells viability following teeth-whitening exposure. Scientific Reports, 2021, 11, 15547.	1.6	3
13	Proâ€inflammatory immunity supports fibrosis advancement in epidermolysis bullosa: intervention with Angâ€(1â€7). EMBO Molecular Medicine, 2021, 13, e14392.	3.3	13
14	A Rodent Model of Hypertrophic Scarring: Splinting of Rat Wounds. Methods in Molecular Biology, 2021, 2299, 405-417.	0.4	8
15	Multipotent stromal cells: One name, multiple identities. Cell Stem Cell, 2021, 28, 1690-1707.	5.2	73
16	Physics and Physiology of Cell Spreading in Two and Three Dimensions. Physiology, 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. Biomaterials, 2020, 229, 119577.	5.7	21
18	TGF-Î21 â€“ A truly transforming growth factor in fibrosis and immunity. Seminars in Cell and Developmental Biology, 2020, 101, 123-139.	2.3	264

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19	Dancing with the Cells: Acoustic Microflows Generated by Oscillating Cells. Small, 2020, 16, 1903788.	5.2	12
20	Evasion of apoptosis by myofibroblasts: a hallmark of fibrotic diseases. Nature Reviews Rheumatology, 2020, 16, 11-31.	3.5	320
21	The circadian clock protein REVERBÎ± inhibits pulmonary fibrosis development. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 1139-1147.	3.3	57
22	CXCR3A promotes the secretion of the antifibrotic decoy receptor sIL-13RÎ±2 by pulmonary fibroblasts. American Journal of Physiology - Cell Physiology, 2020, 319, C1059-C1069.	2.1	6
23	New injectable self-assembled hydrogels that promote angiogenesis through a bioactive degradation product. Acta Biomaterialia, 2020, 115, 197-209.	4.1	13
24	Kindlin-2 Mediates Mechanical Activation of Cardiac Myofibroblasts. Cells, 2020, 9, 2702.	1.8	12
25	Acoustic Microflows: Dancing with the Cells: Acoustic Microflows Generated by Oscillating Cells (Small 9/2020). Small, 2020, 16, 2070045.	5.2	0
26	The myofibroblast at a glance. Journal of Cell Science, 2020, 133, .	1.2	167
27	Combinatorial extracellular matrix microarray identifies novel bioengineered substrates for xeno-free culture of human pluripotent stem cells. Biomaterials, 2020, 248, 120017.	5.7	23
28	CCN1 expression by fibroblasts is required for bleomycin-induced skin fibrosis. Matrix Biology Plus, 2019, 3, 100009.	1.9	15
29	Tracking adiponectin biodistribution via fluorescence molecular tomography indicates increased vascular permeability after streptozotocin-induced diabetes. American Journal of Physiology - Endocrinology and Metabolism, 2019, 317, E760-E772.	1.8	5
30	Interaction of Pregnancy-Specific Glycoprotein 1 With Integrin Î‘5Î²1 Is a Modulator of Extravillous Trophoblast Functions. Cells, 2019, 8, 1369.	1.8	30
31	Dynamic fibroblast contractions attract remote macrophages in fibrillar collagen matrix. Nature Communications, 2019, 10, 1850.	5.8	167
32	Mechanical regulation of myofibroblast phenoconversion and collagen contraction. Experimental Cell Research, 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. Frontiers in Physiology, 2019, 10, 336.	1.3	77
34	Cadherin-11â€“mediated adhesion of macrophages to myofibroblasts establishes a profibrotic niche of active TGF-Î². Science Signaling, 2019, 12, .	1.6	113
35	Therapeutic approaches to control tissue repair and fibrosis: Extracellular matrix as a game changer. Matrix Biology, 2018, 71-72, 205-224.	1.5	147
36	The big five in fibrosis: Macrophages, myofibroblasts, matrix, mechanics, and miscommunication. Matrix Biology, 2018, 68-69, 81-93.	1.5	281

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37	The ED-A domain enhances the capacity of fibronectin to store latent TGF-Î² binding protein-1 in the fibroblast matrix. Journal of Cell Science, 2018, 131, .	1.2	107
38	Experimental Right Ventricular Hypertension Induces Regional Î²1â€Integrinâ€“Mediated Transduction of Hypertrophic and Profibrotic Right and Left Ventricular Signaling. Journal of the American Heart Association, 2018, 7, .	1.6	22
39	Activation of latent transforming growth factor-Î²1, a conserved function for pregnancy-specific beta 1-glycoproteins. Molecular Human Reproduction, 2018, 24, 602-612.	1.3	25
40	Fibrotic microtissue array to predict anti-fibrosis drug efficacy. Nature Communications, 2018, 9, 2066.	5.8	102
41	Novel differences in gene expression and functional capabilities of myofibroblast populations in idiopathic pulmonary fibrosis. American Journal of Physiology - Lung Cellular and Molecular Physiology, 2018, 315, L697-L710.	1.3	22
42	Discoidin Domain Receptor 1 Mediates Myosin-Dependent Collagen Contraction. Cell Reports, 2017, 18, 1774-1790.	2.9	83
43	Plasma fibronectin stabilizes Borrelia burgdorferi â€“endothelial interactions under vascular shear stress by a catch-bond mechanism. Proceedings of the National Academy of Sciences of the United States of America, 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. Seminars in Reproductive Medicine, 2017, 35, 499-509.	0.5	27
45	MicroRNA-21 preserves the fibrotic mechanical memory of mesenchymal stem cells. Nature Materials, 2017, 16, 379-389.	13.3	234
46	Collagen scaffold enhances the regenerative properties of mesenchymal stromal cells. PLoS ONE, 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. American Journal of Translational Research (discontinued), 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. F1000Research, 2016, 5, 752.	0.8	209
50	Does Breathing Amplify Fibrosis?. American Journal of Respiratory and Critical Care Medicine, 2016, 194, 9-11.	2.5	29
51	Crossing Into the Next Frontier of Cardiac Extracellular Matrix Research. Circulation Research, 2016, 119, 1040-1045.	2.0	50
52	Cellular, structural and functional cardiac remodelling following pressure overload and unloading. International Journal of Cardiology, 2016, 216, 32-42.	0.8	13
53	The role of myofibroblasts in wound healing. Current Research in Translational Medicine, 2016, 64, 171-177.	1.2	207
54	Strategies to overcome the hurdles to treat fibrosis, a major unmet clinical need. Proceedings of the National Academy of Sciences of the United States of America, 2016, 113, 7291-7293.	3.3	23

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55	Integrins Form an Expanding Diffusional Barrier that Coordinates Phagocytosis. Cell, 2016, 164, 128-140.	13.5	163
56	YAP/TAZ Are Mechanoregulators of TGF-Î²-Smad Signaling and Renal Fibrogenesis. Journal of the American Society of Nephrology: JASN, 2016, 27, 3117-3128.	3.0	316
57	Hic-5 is required for myofibroblast differentiation by regulating mechanically dependent MRTF-A nuclear accumulation. Journal of Cell Science, 2016, 129, 774-87.	1.2	50
58	Possible involvement of inflammatory/reparative processes in the development of uterine fibroids. Cell and Tissue Research, 2016, 364, 415-427.	1.5	87
59	Mechanical control of cardiac myofibroblasts. Journal of Molecular and Cellular Cardiology, 2016, 93, 133-142.	0.9	192
60	Myofibroblasts. Experimental Eye Research, 2016, 142, 56-70.	1.2	323
61	Connecting (T)issues: How Research in Fascia Biology Can Impact Integrative Oncology. Cancer Research, 2016, 76, 6159-6162.	0.4	34
62	Hyperglycemia Interacts with Ischemia in a Synergistic Way on Wound Repair and Myofibroblast Differentiation. Plastic and Reconstructive Surgery - Global Open, 2015, 3, e471.	0.3	17
63	Expression of Î±-Smooth Muscle Actin Determines the Fate of Mesenchymal Stromal Cells. Stem Cell Reports, 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. Journal of Investigative Dermatology, 2015, 135, 2852-2861.	0.3	19
66	Novel micropatterns mechanically control fibrotic reactions at the surface of silicone implants. Biomaterials, 2015, 54, 136-147.	5.7	35
67	Signs of stress on soft surfaces. Journal of Cell Communication and Signaling, 2015, 9, 305-307.	1.8	9
68	YAP1 Is a Driver of Myofibroblast Differentiation in Normal and Diseased Fibroblasts. American Journal of Pathology, 2015, 185, 3326-3337.	1.9	106
69	The extracellular matrix and transforming growth factor-Î²1: Tale of a strained relationship. Matrix Biology, 2015, 47, 54-65.	1.5	453
70	Temporal and Molecular Analyses of Cardiac Extracellular Matrix Remodeling following Pressure Overload in Adiponectin Deficient Mice. PLoS ONE, 2015, 10, e0121049.	1.1	16
71	Pulmonary vein stenosis and the pathophysiology of â€œupstreamâ€•pulmonary veins. Journal of Thoracic and Cardiovascular Surgery, 2014, 148, 245-253.	0.4	77
72	Prestress in the extracellular matrix sensitizes latent TGF-Î²1 for activation. Journal of Cell Biology, 2014, 207, 283-297.	2.3	184

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73	Integrins Î±vÎ²5 and Î±vÎ²3 promote latent TGF-Î²1 activation by human cardiac fibroblast contraction. Cardiovascular Research, 2014, 102, 407-417.	1.8	184
74	The Nano-Scale Mechanical Properties of the Extracellular Matrix Regulate Dermal Fibroblast Function. Journal of Investigative Dermatology, 2014, 134, 1862-1872.	0.3	207
75	Î²-Cateninâ€“regulated myeloid cell adhesion and migration determine wound healing. Journal of Clinical Investigation, 2014, 124, 2599-2610.	3.9	108
76	The 22nd annual meeting of the European Tissue Repair Society (ETRS) in Athens, Greece. Fibrogenesis and Tissue Repair, 2013, 6, 3.	3.4	0
77	The myofibroblast matrix: implications for tissue repair andÂfibrosis. Journal of Pathology, 2013, 229, 298-309.	2.1	560
78	Preclinical Models of Wound Healing: Is Man the Model? Proceedings of the Wound Healing Society Symposium. Advances in Wound Care, 2013, 2, 1-4.	2.6	59
79	It has to be the Î±v: myofibroblast integrins activate latent TGF-Î²1. Nature Medicine, 2013, 19, 1567-1568.	15.2	57
80	Matrix mechanics and regulation of the fibroblast phenotype. Periodontology 2000, 2013, 63, 14-28.	6.3	67
81	Differential topical susceptibility to TGFÎ² in intact and injured regions of the epithelium: key role in myofibroblast transition. Molecular Biology of the Cell, 2013, 24, 3326-3336.	0.9	45
82	The Mechanical Environment Modulates Intracellular Calcium Oscillation Activities of Myofibroblasts. PLoS ONE, 2013, 8, e64560.	1.1	64
83	Cells Lacking Î²-Actin are Genetically Reprogrammed and Maintain Conditional Migratory Capacity*. Molecular and Cellular Proteomics, 2012, 11, 255-271.	2.5	93
84	Culture of Primary Bovine Chondrocytes on a Continuously Expanding Surface Inhibits Dedifferentiation. Tissue Engineering - Part A, 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. Plastic and Reconstructive Surgery, 2012, 129, 46e-54e.	0.7	84
86	Mechanical Aspects of Lung Fibrosis. Proceedings of the American Thoracic Society, 2012, 9, 137-147.	3.5	169
87	The mechanical memory of lung myofibroblasts. Integrative Biology (United Kingdom), 2012, 4, 410.	0.6	273
88	The role of the myofibroblast in tumor stroma remodeling. Cell Adhesion and Migration, 2012, 6, 203-219.	1.1	202
89	Recent Developments in Myofibroblast Biology. American Journal of Pathology, 2012, 180, 1340-1355.	1.9	1,043
90	Heterogeneity of Smooth Muscle. , 2012, , 1183-1195.		6

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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). Advances in Experimental Medicine and Biology, 2012, 737, 263-268.	0.8	1
93	The Role of the Myofibroblast in Dupuytrenâ€™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. Antioxidants and Redox Signaling, 2011, 15, 607-619.	2.5	249
96	Induction of p38, tumour necrosis factor-Î± and RANTES by mechanical stretching of keratinocytes expressing mutant keratin 10R156H. British Journal of Dermatology, 2011, 164, 125-134.	1.4	8
97	The Single-Molecule Mechanics of the Latent TGF-Î²1 Complex. Current Biology, 2011, 21, 2046-2054.	1.8	214
98	Tumor Cell Invasion Is Promoted by Interstitial Flow-Induced Matrix Priming by Stromal Fibroblasts. Cancer Research, 2011, 71, 790-800.	0.4	151
99	Dynamic Expansion Culture for Mesenchymal Stem Cells. Methods in Molecular Biology, 2011, 698, 175-188.	0.4	24
100	Regulation of myofibroblast activities: Calcium pulls some strings behind the scene. Experimental Cell Research, 2010, 316, 2390-2401.	1.2	105
101	The myofibroblast: Paradigm for a mechanically active cell. Journal of Biomechanics, 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. Journal of Cell Science, 2010, 123, 1751-1760.	1.2	105
104	Hypoxia Impairs Skin Myofibroblast Differentiation and Function. Journal of Investigative Dermatology, 2010, 130, 2818-2827.	0.3	74
105	Immunofluorescence Detection of the Cytoskeleton and Extracellular Matrix in Tissue and Cultured Cells. Methods in Molecular Biology, 2010, 611, 43-57.	0.4	21
106	Triplet Imaging of Oxygen Consumption during the Contraction of a Single Smooth Muscle Cell (A7r5). Biophysical Journal, 2010, 98, 339-349.	0.2	37
107	Mechanical Induction of Gene Expression in Connective Tissue Cells. Methods in Cell Biology, 2010, 98, 178-205.	0.5	46
108	Fibrosis: recent advances in myofibroblast biology and new therapeutic perspectives. F1000 Biology Reports, 2010, 2, 78.	4.0	134

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109	NOX4 Expression in Human Microglia Leads to Constitutive Generation of Reactive Oxygen Species and to Constitutive IL-6 Expression. Journal of Innate Immunity, 2009, 1, 570-581.	1.8	60
110	The covalent attachment of adhesion molecules to silicone membranes for cell stretching applications. Biomaterials, 2009, 30, 1781-1789.	5.7	114
111	Tissue stiffness, latent TGF-Î²1 Activation, and mechanical signal transduction: Implications for the pathogenesis and treatment of fibrosis. Current Rheumatology Reports, 2009, 11, 120-126.	2.1	321
112	A Novel Method of Dynamic Culture Surface Expansion Improves Mesenchymal Stem Cell Proliferation and Phenotype. Stem Cells, 2009, 27, 200-209.	1.4	62
113	Myofibroblasts work best under stress. Journal of Bodywork and Movement Therapies, 2009, 13, 121-127.	0.5	60
114	The effect of lactose-conjugated silk biomaterials on the development of fibrogenic fibroblasts. Biomaterials, 2008, 29, 4665-4675.	5.7	51
115	Molecular regulation of myofibroblast formation. Experimental Dermatology, 2008, 17, 884-886.	1.4	0
116	Integrins and the activation of latent transforming growth factor Î²1 â€“ An intimate relationship. European Journal of Cell Biology, 2008, 87, 601-615.	1.6	465
117	Lkb1 is required for TGFÎ²-mediated myofibroblast differentiation. Journal of Cell Science, 2008, 121, 3531-3540.	1.2	36
118	Fibrogenic fibroblasts increase intercellular adhesion strength by reinforcing individual OB-cadherin bonds. Journal of Cell Science, 2008, 121, 877-886.	1.2	69
119	Myofibroblast communication is controlled by intercellular mechanical coupling. Journal of Cell Science, 2008, 121, 3305-3316.	1.2	100
120	Critical substrate stiffness initiates smooth muscle alphaâ€actin promoter activity in myofibroblasts. FASEB Journal, 2008, 22, 22-22.	0.2	2
121	The Myofibroblast. American Journal of Pathology, 2007, 170, 1807-1816.	1.9	1,782
122	Myofibroblast contraction activates latent TGF-Î²1 from the extracellular matrix. Journal of Cell Biology, 2007, 179, 1311-1323.	2.3	1,118
123	Fibroblastic reticular cells in lymph nodes regulate the homeostasis of naive T cells. Nature Immunology, 2007, 8, 1255-1265.	7.0	809
124	Formation and Function of the Myofibroblast during Tissue Repair. Journal of Investigative Dermatology, 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. Wound Repair and Regeneration, 2006, 14, 313-320.	1.5	86
126	Isoform-Specific Regulation of the Actin-Organizing Protein Palladin during TGF-Î²1-Induced Myofibroblast Differentiation. Journal of Investigative Dermatology, 2006, 126, 2387-2396.	0.3	83

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127	Masters and servants of the force: The role of matrix adhesions in myofibroblast force perception and transmission. European Journal of Cell Biology, 2006, 85, 175-181.	1.6	243
128	Focal adhesion size controls tension-dependent recruitment of Î±-smooth muscle actin to stress fibers. Journal of Cell Biology, 2006, 172, 259-268.	2.3	625
129	Contribution of Interstitial Fluid Flow to Fibroblast Alignment and Differentiation. Wound Repair and Regeneration, 2005, 13, A23-A23.	1.5	0
130	Interstitial fluid flow induces myofibroblast differentiation and collagen alignment in vitro. Journal of Cell Science, 2005, 118, 4731-4739.	1.2	322
131	The N-terminal Ac-EEED sequence plays a role in Î±-smooth-muscle actin incorporation into stress fibers. Journal of Cell Science, 2005, 118, 1395-1404.	1.2	51
132	Wound-healing defect of CD18â^'/â^' mice due to a decrease in TGF-Î²1 and myofibroblast differentiation. EMBO Journal, 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. Tissue Engineering, 2005, 11, 1640-1649.	4.9	114
134	THE MICRO-REQUIREMENTS FOR CONNECTIVE TISSUE REMODELING : Adhesion Size Controls Myofibroblast Differentiation. Proceedings of the JSME Bioengineering Conference and Seminar, 2005, 2004.17, 251.	0.0	0
135	Dissecting the roles of endothelin,TGF-Î² and GM-CSF on myofibroblast differentiation by keratinocytes. Thrombosis and Haemostasis, 2004, 92, 262-274.	1.8	84
136	Myofibroblast Development Is Characterized by Specific Cell-Cell Adherens Junctions. Molecular Biology of the Cell, 2004, 15, 4310-4320.	0.9	198
137	Transgenic Mice Reveal Novel Activities of Growth Hormone in Wound Repair, Angiogenesis, and Myofibroblast Differentiation. Journal of Biological Chemistry, 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?. Plastic and Reconstructive Surgery, 2004, 113, 622-624.	0.7	4
139	Mechanisms of force generation and transmission by myofibroblasts. Current Opinion in Biotechnology, 2003, 14, 538-546.	3.3	354
140	Î±-Smooth Muscle Actin Is Crucial for Focal Adhesion Maturation in Myofibroblasts. Molecular Biology of the Cell, 2003, 14, 2508-2519.	0.9	262
141	Cell-matrix and cell-cell contacts of myofibroblasts: role in connective tissue remodeling. Thrombosis and Haemostasis, 2003, 90, 993-1002.	1.8	220
142	The NH2-terminal peptide of Î±â€“smooth muscle actin inhibits force generation by the myofibroblast in vitro and in vivo. Journal of Cell Biology, 2002, 157, 657-663.	2.3	215
143	Myofibroblasts and mechano-regulation of connective tissue remodelling. Nature Reviews Molecular Cell Biology, 2002, 3, 349-363.	16.1	3,539
144	Mechanical Tension Controls Granulation Tissue Contractile Activity and Myofibroblast Differentiation. American Journal of Pathology, 2001, 159, 1009-1020.	1.9	542

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