Role of YAP/TAZ in mechanotransduction

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Citation Report

#	Article	IF	Citations
1	Effects of Intra-Adrenal Infusion of Potassium on Urinary Potassium Excretion in the Dog.. Experimental Biology and Medicine, 1960, 104, 764-767.	1.1	2
2	Deciphering tumor-suppressor signaling in flies: Genetic link between Scribble/Dlg/Lgl and the Hippo pathways. Journal of Genetics and Genomics, 2011, 38, 461-470.	1.7	44
3	Hippo signaling: A hub of growth control, tumor suppression and pluripotency maintenance. Journal of Genetics and Genomics, 2011, 38, 471-481.	1.7	56
4	The Hippo Transducer TAZ Confers Cancer Stem Cell-Related Traits on Breast Cancer Cells. Cell, 2011, 147, 759-772.	13.5	1,115
5	Cancer Invasion and the Microenvironment: Plasticity and Reciprocity. Cell, 2011, 147, 992-1009.	13.5	1,669
6	Tao-1 Phosphorylates Hippo/MST Kinases to Regulate the Hippo-Salvador-Warts Tumor Suppressor Pathway. Developmental Cell, 2011, 21, 888-895.	3.1	203
7	Targeting angiogenesis with compounds from the extracellular matrix. International Journal of Biochemistry and Cell Biology, 2011, 43, 1674-1685.	1.2	36
8	Taking aim at the extracellular matrix: CCN proteins as emerging therapeutic targets. Nature Reviews Drug Discovery, 2011, 10, 945-963.	21.5	528
9	Regulation of Insulin-Like Growth Factor Signaling by Yap Governs Cardiomyocyte Proliferation and Embryonic Heart Size. Science Signaling, 2011, 4, ra70.	1.6	477
10	Cell-Biomaterial Interactions Reproducing a Niche. , 0, , .		1
11	Self-Organizing Circuit Assembly through Spatiotemporally Coordinated Neuronal Migration within Geometric Constraints. PLoS ONE, 2011, 6, e28156.	1.1	24
12	YAP and TAZ feel the force. Nature Reviews Molecular Cell Biology, 2011, 12, 404-405.	16.1	28
13	Forming functional fat: a growing understanding of adipocyte differentiation. Nature Reviews Molecular Cell Biology, 2011, 12, 722-734.	16.1	1,090
14	Signaling circuitries controlling stem cell fate: to be or not to be. Current Opinion in Cell Biology, 2011, 23, 716-723.	2.6	64
15	Nuclear actin and myosins: Life without filaments. Nature Cell Biology, 2011, 13, 1282-1288.	4.6	126
16	Cyclic stretch increases splicing noise rate in cultured human fibroblasts. BMC Research Notes, 2011, 4, 470.	0.6	2
17	Actomyosin contractililty: Force power drives tumor growth. Cell Cycle, 2011, 10, 3409-3410.	1.3	8
18	Î²1 integrin cytoplasmic tyrosines promote skin tumorigenesis independent of their phosphorylation. Proceedings of the National Academy of Sciences of the United States of America, 2011, 108, 15213-15218.	3.3	31

#	Article	IF	Citations
19	Regulation of small GTPases at epithelial cell-cell junctions. Molecular Membrane Biology, 2011, 28, 427-444.	2.0	58
20	Hippo pathway regulation by cell morphology and stress fibers. Development (Cambridge), 2011, 138, 3907-3914.	1.2	707
21	ECM stiffness primes the TGFÎ² pathway to promote chondrocyte differentiation. Molecular Biology of the Cell, 2012, 23, 3731-3742.	0.9	173
22	Intercellular Interactions, Position, and Polarity in Establishing Blastocyst Cell Lineages and Embryonic Axes. Cold Spring Harbor Perspectives in Biology, 2012, 4, a008235-a008235.	2.3	66
23	Overview of Micro- and Nano-Technology Tools for Stem Cell Applications: Micropatterned and Microelectronic Devices. Sensors, 2012, 12, 15947-15982.	2.1	21
24	Improved throughput traction microscopy reveals pivotal role for matrix stiffness in fibroblast contractility and TGF-Î² responsiveness. American Journal of Physiology - Lung Cellular and Molecular Physiology, 2012, 303, L169-L180.	1.3	131
25	Targeting YAP Acetylation in Cancer. Journal of Biological Chemistry, 2012, 287, 35442.	1.6	1
26	Long-range mechanical force enables self-assembly of epithelial tubular patterns. Proceedings of the National Academy of Sciences of the United States of America, 2012, 109, 5576-5582.	3.3	107
27	Mechanical responsiveness of the endothelial cell of Schlemm's canal: scope, variability and its potential role in controlling aqueous humour outflow. Journal of the Royal Society Interface, 2012, 9, 1144-1155.	1.5	86
28	Matrix Rigidity Controls Endothelial Differentiation and Morphogenesis of Cardiac Precursors. Science Signaling, 2012, 5, ra41.	1.6	60
29	Src, p130Cas, and Mechanotransduction in Cancer Cells. Genes and Cancer, 2012, 3, 394-401.	0.6	28
30	Integrating force-sensing and signaling pathways in a model for the regulation of wing imaginal disc size. Development (Cambridge), 2012, 139, 3221-3231.	1.2	112
31	Regulation of the Hippoâ€“YAP pathway by protease-activated receptors (PARs). Genes and Development, 2012, 26, 2138-2143.	2.7	239
32	Elite control of HIV: p21 (waf-1/cip-1) at its best. Cell Cycle, 2012, 11, 4097-4098.	1.3	32
33	TAZ induces growth factor-independent proliferation through activation of EGFR ligand amphiregulin. Cell Cycle, 2012, 11, 2922-2930.	1.3	91
34	Identification of Mechanism That Couples Multisite Phosphorylation of Yes-associated Protein (YAP) with Transcriptional Coactivation and Regulation of Apoptosis. Journal of Biological Chemistry, 2012, 287, 9568-9578.	1.6	32
35	Cell detachment activates the Hippo pathway via cytoskeleton reorganization to induce anoikis. Genes and Development, 2012, 26, 54-68.	2.7	632
36	Fluid flows and forces in development: functions, features and biophysical principles. Development (Cambridge), 2012, 139, 1229-1245.	1.2	121

#	Article	IF	Citations
37	Reprogramming cell shape with laser nano-patterning. Journal of Cell Science, 2012, 125, 2134-40.	1.2	66
38	The actin cross-linker Filamin/Cheerio mediates tumor malignancy downstream of JNK signaling. Journal of Cell Science, 2013, 126, 927-38.	1.2	54
39	Hippo andrassf1aPathways: A Growing Affair. Molecular Biology International, 2012, 2012, 1-12.	1.7	26
40	Matrix control of transforming growth factor-Â function. Journal of Biochemistry, 2012, 152, 321-329.	0.9	224
41	Adhesive and mechanical regulation of mesenchymal stem cell differentiation in human bone marrow and periosteum-derived progenitor cells. Biology Open, 2012, 1, 1058-1068.	0.6	65
43	The Hippo pathway member Yap plays a key role in influencing fate decisions in muscle satellite cells. Journal of Cell Science, 2012, 125, 6009-6019.	1.2	151
44	Regulation of the Hippo-YAP Pathway by G-Protein-Coupled Receptor Signaling. Cell, 2012, 150, 780-791.	13.5	1,310
45	Control of stem cell fate and function by engineering physical microenvironments. Integrative Biology (United Kingdom), 2012, 4, 1008-1018.	0.6	226
46	The mechanics behind cell polarity. Trends in Cell Biology, 2012, 22, 584-591.	3.6	81
47	Î²-Catenin-Driven Cancers Require a YAP1 Transcriptional Complex for Survival and Tumorigenesis. Cell, 2012, 151, 1457-1473.	13.5	647
48	Role of TAZ as Mediator of Wnt Signaling. Cell, 2012, 151, 1443-1456.	13.5	419
49	Mechanical Activation of Cells Induces Chromatin Remodeling Preceding MKL Nuclear Transport. Biophysical Journal, 2012, 103, 1416-1428.	0.2	155
50	Mechanical regulation of cellular phenotype: implications for vascular tissue regeneration. Cardiovascular Research, 2012, 95, 215-222.	1.8	26
51	Soft tissue mechanotransduction in wound healing and fibrosis. Seminars in Cell and Developmental Biology, 2012, 23, 981-986.	2.3	102
52	Substrate Rigidity Regulates Human T Cell Activation and Proliferation. Journal of Immunology, 2012, 189, 1330-1339.	0.4	230
53	At the leading edge of three-dimensional cell migration. Journal of Cell Science, 2012, 125, 5917-5926.	1.2	259
54	Contact inhibition (of proliferation) redux. Current Opinion in Cell Biology, 2012, 24, 685-694.	2.6	183
55	Extracellular matrix, integrins, and growth factors as tailors of the stem cell niche. Current Opinion in Cell Biology, 2012, 24, 645-651.	2.6	363

#	Article	IF	Citations
56	Hippo Signaling Goes Long Range. Cell, 2012, 150, 669-670.	13.5	25
57	Identification of Serum-Derived Sphingosine-1-Phosphate as a Small Molecule Regulator of YAP. Chemistry and Biology, 2012, 19, 955-962.	6.2	219
58	Transduction of mechanical and cytoskeletal cues by YAP and TAZ. Nature Reviews Molecular Cell Biology, 2012, 13, 591-600.	16.1	788
59	Biophysical regulation of stem cell behavior within the niche. Stem Cell Research and Therapy, 2012, 3, 50.	2.4	33
60	The Hippo pathway target, YAP, promotes metastasis through its TEAD-interaction domain. Proceedings of the National Academy of Sciences of the United States of America, 2012, 109, E2441-50.	3.3	480
61	MÃ¼ller Cell Expression of Genes Implicated in Proliferative Vitreoretinopathy Is Influenced by Substrate Elastic Modulus. , 2012, 53, 3014.		29
62	From Mechanical Force to RhoA Activation. Biochemistry, 2012, 51, 7420-7432.	1.2	193
63	Transcription factor regulation by mechanical stress. International Journal of Biochemistry and Cell Biology, 2012, 44, 728-732.	1.2	70
64	Growth Control by Committee: Intercellular Junctions, Cell Polarity, and the Cytoskeleton Regulate Hippo Signaling. Developmental Cell, 2012, 22, 695-702.	3.1	123
65	Glycosaminoglycan-Binding Hydrogels Enable Mechanical Control of Human Pluripotent Stem Cell Self-Renewal. ACS Nano, 2012, 6, 10168-10177.	7.3	135
66	In vitro organogenesis in three dimensions: self-organising stem cells. Development (Cambridge), 2012, 139, 4111-4121.	1.2	173
67	Mechanical Environment Modulates Biological Properties of Oligodendrocyte Progenitor Cells. Stem Cells and Development, 2012, 21, 2905-2914.	1.1	105
68	Whatâ€™s New in Regenerative Medicine: Split up of the Mesenchymal Stem Cell Family Promises New Hope for Cardiovascular Repair. Journal of Cardiovascular Translational Research, 2012, 5, 689-699.	1.1	18
69	Micropatterning Topology on Soft Substrates Affects Myoblast Proliferation and Differentiation. Langmuir, 2012, 28, 2718-2726.	1.6	54
70	Integrating developmental signals: a Hippo in the (path)way. Oncogene, 2012, 31, 1743-1756.	2.6	107
71	Soft fibrin gels promote selection and growth of tumorigenic cells. Nature Materials, 2012, 11, 734-741.	13.3	384
72	LIF-ting Hippo averts metastasis. Nature Medicine, 2012, 18, 1463-1465.	15.2	12
73	Engineering ECM signals into biomaterials. Materials Today, 2012, 15, 454-459.	8.3	179

#	Article	IF	Citations
74	Biophysical signals controlling cell fate decisions: How do stem cells really feel?. International Journal of Biochemistry and Cell Biology, 2012, 44, 2233-2237.	1.2	33
75	Adhesion Regulates MAP Kinase/Ternary Complex Factor Exchange to Control a Proliferative Transcriptional Switch. Current Biology, 2012, 22, 2017-2026.	1.8	32
76	Regulation of the Hippo pathway by cell architecture and mechanical signals. Seminars in Cell and Developmental Biology, 2012, 23, 803-811.	2.3	120
77	The control of gene expression and cell proliferation by the epithelial apical junctional complex. Essays in Biochemistry, 2012, 53, 83-93.	2.1	27
78	Stem Cell Culture: Optimizing Amidst the Complexity. Stem Cells and Cancer Stem Cells, 2012, , 3-12.	0.1	1
79	Matrix Stiffnessâ€“Induced Myofibroblast Differentiation Is Mediated by Intrinsic Mechanotransduction. American Journal of Respiratory Cell and Molecular Biology, 2012, 47, 340-348.	1.4	411
80	The metastatic niche and stromal progression. Cancer and Metastasis Reviews, 2012, 31, 429-440.	2.7	179
81	The mechanical properties of amniotic membrane influence its effect as a biomaterial for ocular surface repair. Soft Matter, 2012, 8, 8379.	1.2	51
82	The EMILIN/Multimerin Family. Frontiers in Immunology, 2011, 2, 93.	2.2	78
83	Microengineered synthetic cellular microenvironment for stem cells. Wiley Interdisciplinary Reviews: Nanomedicine and Nanobiotechnology, 2012, 4, 414-427.	3.3	11
84	Signaling Pathways in Cell Polarity. Cold Spring Harbor Perspectives in Biology, 2012, 4, a009654-a009654.	2.3	79
85	The Hippo pathway regulates stem cell proliferation, self-renewal, and differentiation. Protein and Cell, 2012, 3, 291-304.	4.8	58
86	Regulators of mammalian Hippo pathway in cancer. Biochimica Et Biophysica Acta: Reviews on Cancer, 2012, 1826, 357-364.	3.3	46
87	The balance of osteogenic and adipogenic differentiation in human mesenchymal stem cells by matrices that mimic stepwise tissue development. Biomaterials, 2012, 33, 2025-2031.	5.7	68
88	Concepts of metastasis in flux: The stromal progression model. Seminars in Cancer Biology, 2012, 22, 174-186.	4.3	75
89	Coordinating developmental signaling: novel roles for the Hippo pathway. Trends in Cell Biology, 2012, 22, 88-96.	3.6	93
90	Fabrication of Substrates with Defined Mechanical Properties and Topographical Features for the Study of Cell Migration. Macromolecular Bioscience, 2012, 12, 12-20.	2.1	46
91	Mechanics in Neuronal Development and Repair. Annual Review of Biomedical Engineering, 2013, 15, 227-251.	5.7	293

#	Article	IF	Citations
92	New Insights into Adhesion Signaling in Bone Formation. International Review of Cell and Molecular Biology, 2013, 305, 1-68.	1.6	23
93	In situ mechanotransduction via vinculin regulates stem cell differentiation. Stem Cells, 2013, 31, 2467-2477.	1.4	100
94	To pull or be pulled: parsing the multiple modes of mechanotransduction. Current Opinion in Cell Biology, 2013, 25, 558-564.	2.6	36
95	Role of the extracellular matrix in regulating stem cell fate. Nature Reviews Molecular Cell Biology, 2013, 14, 467-473.	16.1	732
96	TRIB2 Acts Downstream of Wnt/TCF in Liver Cancer Cells to Regulate YAP and C/EBPÎ± Function. Molecular Cell, 2013, 51, 211-225.	4.5	136
97	Mechanobiology of bone marrow stem cells: From myosin-II forces to compliance of matrix and nucleus in cell forms and fates. Differentiation, 2013, 86, 77-86.	1.0	58
98	Effects of matrix elasticity and cell density on human mesenchymal stem cells differentiation. Journal of Orthopaedic Research, 2013, 31, 1360-1365.	1.2	76
99	YAP-mediated regulation of the chondrogenic phenotype in response to matrix elasticity. Journal of Molecular Histology, 2013, 44, 587-595.	1.0	71
100	Biosensing with electroconductive biomimetic soft materials. Journal of Materials Chemistry B, 2013, 1, 5083.	2.9	10
101	Mechanical cues in cellular signalling and communication. Cell and Tissue Research, 2013, 352, 77-94.	1.5	68
102	Brief Report: VGLL4 Is a Novel Regulator of Survival in Human Embryonic Stem Cells. Stem Cells, 2013, 31, 2833-2841.	1.4	20
103	Vinculin tension distributions of individual stress fibers within cell-matrix adhesions. Journal of Cell Science, 2013, 126, 3021-30.	1.2	57
104	A Mechanical Checkpoint Controls Multicellular Growth through YAP/TAZ Regulation by Actin-Processing Factors. Cell, 2013, 154, 1047-1059.	13.5	1,278
105	Cell to extracellular matrix interactions and their reciprocal nature in cancer. Experimental Cell Research, 2013, 319, 1663-1670.	1.2	44
106	Capturing the mammalian Hippo: Elucidating its role in cancer. Cancer Science, 2013, 104, 1271-1277.	1.7	43
107	The Hippo Tumor Suppressor Network: From Organ Size Control to Stem Cells and Cancer. Cancer Research, 2013, 73, 6389-6392.	0.4	27
108	Mechanobiology and Developmental Control. Annual Review of Cell and Developmental Biology, 2013, 29, 27-61.	4.0	367
110	Nuclear Lamin-A Scales with Tissue Stiffness and Enhances Matrix-Directed Differentiation. Science, 2013, 341, 1240104.	6.0	1,595

#	Article	IF	Citations
111	Mechanosensitive systems at the cadherinâ€“F-actin interface. Journal of Cell Science, 2013, 126, 403-413.	1.2	194
112	Turtle Origins: Picking Up Speed. Developmental Cell, 2013, 25, 326-328.	3.1	9
113	Regulation of the Hippo pathway and implications for anticancer drug development. Trends in Pharmacological Sciences, 2013, 34, 581-589.	4.0	100
114	Integrins in mechanotransduction. Current Opinion in Cell Biology, 2013, 25, 613-618.	2.6	270
115	Dissecting Social Cell Biology and Tumors UsingDrosophilaGenetics. Annual Review of Genetics, 2013, 47, 51-74.	3.2	51
116	What do mechanotransduction, Hippo, Wnt, and TGFÎ² have in common? YAP and TAZ as key orchestrating molecules in ocular health and disease. Experimental Eye Research, 2013, 115, 1-12.	1.2	54
117	Integration of mechanical and chemical signals by YAP and TAZ transcription coactivators. Cell and Bioscience, 2013, 3, 33.	2.1	37
118	Regulation and functions of mammalian LATS/NDR kinases: looking beyond canonical Hippo signalling. Cell and Bioscience, 2013, 3, 32.	2.1	80
119	Nuclear localization of the transcriptional coactivator YAP is associated with invasive lobular breast cancer. Cellular Oncology (Dordrecht), 2013, 36, 375-384.	2.1	69
120	Regulation and Relevance of Myofibroblast Responses in Idiopathic Pulmonary Fibrosis. Current Pathobiology Reports, 2013, 1, 199-208.	1.6	51
121	YAP and TAZ, Hippo Signaling Targets, Act as a Rheostat for Nuclear SHP2 Function. Developmental Cell, 2013, 26, 658-665.	3.1	88
122	A global pattern of mechanical stress polarizes cell divisions and cell shape in the growing Drosophila wing disc. Development (Cambridge), 2013, 140, 4051-4059.	1.2	217
123	The interplay between cell signalling and mechanics in developmental processes. Nature Reviews Genetics, 2013, 14, 733-744.	7.7	178
124	Spatial Organization of Hippo Signaling at the Plasma Membrane Mediated by the Tumor Suppressor Merlin/NF2. Cell, 2013, 154, 1342-1355.	13.5	422
125	From tissue mechanics to transcription factors. Differentiation, 2013, 86, 112-120.	1.0	131
126	Knock down of caveolinâ€1 affects morphological and functional hallmarks of human endothelial cells. Journal of Cellular Biochemistry, 2013, 114, 1843-1851.	1.2	20
127	Cell adhesion and mechanical stimulation in the regulation of mesenchymal stem cell differentiation. Journal of Cellular and Molecular Medicine, 2013, 17, 823-832.	1.6	187
128	Phosphorylation of Angiomotin by Lats1/2 Kinases Inhibits F-actin Binding, Cell Migration, and Angiogenesis. Journal of Biological Chemistry, 2013, 288, 34041-34051.	1.6	133

#	Article	IF	Citations
129	Cytosystems dynamics in self-organization of tissue architecture. Nature, 2013, 493, 318-326.	13.7	386
130	SOX2 Regulates YAP1 to Maintain Stemness and Determine Cell Fate in the Osteo-Adipo Lineage. Cell Reports, 2013, 3, 2075-2087.	2.9	180
131	Stem Cell Niche Structure as an Inherent Cause of Undulating Epithelial Morphologies. Biophysical Journal, 2013, 104, 237-246.	0.2	25
132	Microfabricated devices for cell biology: all for one and one for all. Current Opinion in Cell Biology, 2013, 25, 116-124.	2.6	46
133	Molecular Pathways: YAP and TAZ Take Center Stage in Organ Growth and Tumorigenesis. Clinical Cancer Research, 2013, 19, 4925-4930.	3.2	135
134	Epithelial to Mesenchymal Transition Promotes Breast Cancer Progression via a Fibronectin-dependent STAT3 Signaling Pathway. Journal of Biological Chemistry, 2013, 288, 17954-17967.	1.6	118
135	Substrate stiffness regulates temporary NF-Î¤B activation via actomyosin contractions. Experimental Cell Research, 2013, 319, 2916-2927.	1.2	53
136	Arrhythmogenic cardiomyopathy: A biventricular disease in search of a cure. Heart Rhythm, 2013, 10, 290-291.	0.3	6
137	Tissue mechanics and fibrosis. Biochimica Et Biophysica Acta - Molecular Basis of Disease, 2013, 1832, 884-890.	1.8	290
138	Bile Acids Activate YAP to Promote Liver Carcinogenesis. Cell Reports, 2013, 5, 1060-1069.	2.9	159
139	The Hippo pathway: regulators and regulations. Genes and Development, 2013, 27, 355-371.	2.7	1,034
140	Defining the extracellular matrix using proteomics. International Journal of Experimental Pathology, 2013, 94, 75-92.	0.6	137
141	Cellular Mechanotransduction Relies on Tension-Induced and Chaperone-Assisted Autophagy. Current Biology, 2013, 23, 430-435.	1.8	246
142	The Hippo pathway and human cancer. Nature Reviews Cancer, 2013, 13, 246-257.	12.8	1,479
143	Signaling Lipids. Biomathematical and Biomechanical Modeling of the Circulatory and Ventilatory Systems, 2013, , 7-107.	0.1	10
144	Preamble to Cytoplasmic Protein Kinases. Biomathematical and Biomechanical Modeling of the Circulatory and Ventilatory Systems, 2013, , 109-135.	0.1	0
145	Cytoplasmic Protein Tyrosine Kinases. Biomathematical and Biomechanical Modeling of the Circulatory and Ventilatory Systems, 2013, , 137-173.	0.1	9
146	Cytoplasmic Protein Serine/Threonine Kinases. Biomathematical and Biomechanical Modeling of the Circulatory and Ventilatory Systems, 2013, , 175-310.	0.1	10

#	Article	IF	Citations
147	Mitogen-Activated Protein Kinase Module. Biomathematical and Biomechanical Modeling of the Circulatory and Ventilatory Systems, 2013, , 311-378.	0.1	1
148	Dual-Specificity Protein Kinases. Biomathematical and Biomechanical Modeling of the Circulatory and Ventilatory Systems, 2013, , 379-386.	0.1	1
149	Cytosolic Protein Phosphatases. Biomathematical and Biomechanical Modeling of the Circulatory and Ventilatory Systems, 2013, , 387-463.	0.1	0
150	Guanosine Triphosphatases and Their Regulators. Biomathematical and Biomechanical Modeling of the Circulatory and Ventilatory Systems, 2013, , 465-646.	0.1	8
151	Signaling Pathways. Biomathematical and Biomechanical Modeling of the Circulatory and Ventilatory Systems, 2013, , 821-909.	0.1	0
153	Mechanotransduction: Vinculin Provides Stability when Tension Rises. Current Biology, 2013, 23, R159-R161.	1.8	23
154	Dynamic Regulation of the Structure and Functions of Integrin Adhesions. Developmental Cell, 2013, 24, 447-458.	3.1	224
155	Enhancing Structural Support of the Dermal Microenvironment Activates Fibroblasts, Endothelial Cells, and Keratinocytes in Aged Human Skin In Vivo. Journal of Investigative Dermatology, 2013, 133, 658-667.	0.3	167
156	Coordination of organ growth: principles and outstanding questions from the world of insects. Trends in Cell Biology, 2013, 23, 336-344.	3.6	105
157	Motivated Action: New Light on Prefrontal-Neuromodulatory Circuits. Current Biology, 2013, 23, R161-R163.	1.8	5
158	Cadherin mechanotransduction in tissue remodeling. Cellular and Molecular Life Sciences, 2013, 70, 4101-4116.	2.4	46
159	Mechanobiology: a new frontier for human pluripotent stem cells. Integrative Biology (United) Tj ETQq1 1 0.784314 rgBT /Overlock 1	0.6	24
160	MT1-MMP-Dependent Control of Skeletal Stem Cell Commitment via a Î²1-Integrin/YAP/TAZ Signaling Axis. Developmental Cell, 2013, 25, 402-416.	3.1	219
161	BMP4 is a novel transcriptional target and mediator of mammary cell migration downstream of the Hippo pathway component TAZ. Cellular Signalling, 2013, 25, 1720-1728.	1.7	54
162	Mechanosensitivity and compositional dynamics of cellâ€“matrix adhesions. EMBO Reports, 2013, 14, 509-519.	2.0	238
163	Forces in Tissue Morphogenesis and Patterning. Cell, 2013, 153, 948-962.	13.5	956
164	Nanotopography Modulates Mechanotransduction of Stem Cells and Induces Differentiation through Focal Adhesion Kinase. ACS Nano, 2013, 7, 4785-4798.	7.3	352
165	Mechanotransduction and YAP-dependent matrix remodelling is required for the generation and maintenance of cancer-associated fibroblasts. Nature Cell Biology, 2013, 15, 637-646.	4.6	1,088

#	Article	IF	Citations
166	Proteolytic Remodeling of the ECM and the Geometric Control of Stem Cell Fate. Developmental Cell, 2013, 25, 325-326.	3.1	3
167	Bringing balance by force: live cell extrusion controls epithelial cell numbers. Trends in Cell Biology, 2013, 23, 185-192.	3.6	95
168	Salt-inducible kinases regulate growth through the Hippo signalling pathway in Drosophila. Nature Cell Biology, 2013, 15, 61-71.	4.6	90
169	Mesenchymal Stem Cell and Chondrocyte Fates in a Multishear Microdevice Are Regulated by Yes-Associated Protein. Stem Cells and Development, 2013, 22, 2083-2093.	1.1	97
170	The Hippo superhighway: signaling crossroads converging on the Hippo/Yap pathway in stem cells and development. Current Opinion in Cell Biology, 2013, 25, 247-253.	2.6	194
171	YAP and p73: A Matter of Mutual Specificity in Tumor Suppression. , 2013, , 147-172.		3
172	Substratum stiffness and latrunculin B modulate the gene expression of the mechanotransducers YAP and TAZ in human trabecular meshwork cells. Experimental Eye Research, 2013, 113, 66-73.	1.2	67
173	Stem cell regulation by the Hippo pathway. Biochimica Et Biophysica Acta - General Subjects, 2013, 1830, 2323-2334.	1.1	67
174	YAP forces fibroblasts to feel the tension. Nature Cell Biology, 2013, 15, 570-572.	4.6	36
175	Mutual regulation between Hippo signaling and actin cytoskeleton. Protein and Cell, 2013, 4, 904-910.	4.8	37
176	Inactivation of the Hippo tumour suppressor pathway by integrin-linked kinase. Nature Communications, 2013, 4, 2976.	5.8	176
177	Other Major Types of Signaling Mediators. Biomathematical and Biomechanical Modeling of the Circulatory and Ventilatory Systems, 2013, , 647-819.	0.1	0
178	LKB1 tumor suppressor regulates AMP kinase/mTOR-independent cell growth and proliferation via the phosphorylation of Yap. Oncogene, 2013, 32, 4100-4109.	2.6	72
180	In Drosophila, RhoGEF2 cooperates with activated Ras in tumorigenesis through a pathway involving Rho1â€“Rokâ€“Myosin-II and JNK signalling. DMM Disease Models and Mechanisms, 2013, 6, 661-78.	1.2	31
181	Hippo Gains Weight: Added Insights and Complexity to Pathway Control. Science Signaling, 2013, 6, re7.	1.6	61
182	Cell geometric constraints induce modular gene-expression patterns via redistribution of HDAC3 regulated by actomyosin contractility. Proceedings of the National Academy of Sciences of the United States of America, 2013, 110, 11349-11354.	3.3	309
183	Regulation of Tissue Fibrosis by the Biomechanical Environment. BioMed Research International, 2013, 2013, 1-10.	0.9	69
184	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

#	Article	IF	Citations
185	Yap- and Cdc42-Dependent Nephrogenesis and Morphogenesis during Mouse Kidney Development. PLoS Genetics, 2013, 9, e1003380.	1.5	239
186	G proteinâ€coupled receptors engage the mammalian Hippo pathway through Fâ€actin. BioEssays, 2013, 35, 430-435.	1.2	23
187	Pathology and Pathobiology of Pulmonary Hypertension. Seminars in Respiratory and Critical Care Medicine, 2013, 34, 551-559.	0.8	100
188	Early responses of vascular endothelial cells to topographic cues. American Journal of Physiology - Cell Physiology, 2013, 305, C290-C298.	2.1	32
189	The Hippo-Yes Association Protein Pathway in Liver Cancer. Gastroenterology Research and Practice, 2013, 2013, 1-7.	0.7	38
190	PML Surfs into HIPPO Tumor Suppressor Pathway. Frontiers in Oncology, 2013, 3, 36.	1.3	14
191	Differential proliferation rates generate patterns of mechanical tension that orient tissue growth. EMBO Journal, 2013, 32, 2790-2803.	3.5	277
192	Mesenchymal stem cell mechanobiology and emerging experimental platforms. Journal of the Royal Society Interface, 2013, 10, 20130179.	1.5	120
193	Engaged for survival. Jak-stat, 2013, 2, e27363.	2.2	17
194	Actin-related protein2/3 complex regulates tight junctions and terminal differentiation to promote epidermal barrier formation. Proceedings of the National Academy of Sciences of the United States of America, 2013, 110, E3820-9.	3.3	65
195	Root bark extracts of Juncus effusus and Paeonia suffruticosa protect salivary gland acinar cells from apoptotic cell death induced by cis-platinum (II) diammine dichloride. Oncology Reports, 2013, 30, 2665-2671.	1.2	9
196	The Hippo Size Control Pathwayâ€"Ever Expanding. Science Signaling, 2013, 6, pe4.	1.6	28
197	Regulation of YAP and TAZ by Epithelial Plasticity. , 2013, , 89-113.		1
198	Serum deprivation inhibits the transcriptional co-activator YAP and cell growth via phosphorylation of the 130-kDa isoform of Angiomotin by the LATS1/2 protein kinases. Proceedings of the National Academy of Sciences of the United States of America, 2013, 110, 17368-17373.	3.3	120
199	Biomechanical regulation of mesenchymal cell function. Current Opinion in Rheumatology, 2013, 25, 92-100.	2.0	57
200	Hydrogels preserve native phenotypes of valvular fibroblasts through an elasticity-regulated PI3K/AKT pathway. Proceedings of the National Academy of Sciences of the United States of America, 2013, 110, 19336-19341.	3.3	140
201	Angiomotin prevents pluripotent lineage differentiation in mouse embryos via Hippo pathway-dependent and -independent mechanisms. Nature Communications, 2013, 4, 2251.	5.8	162
202	Expression of catalytically active matrix metalloproteinaseâ€1 in dermal fibroblasts induces collagen fragmentation and functional alterations that resemble aged human skin. Aging Cell, 2013, 12, 661-671.	3.0	64

#	Article	IF	Citations
203	Rho signalling restriction by the RhoGAP Stard13 integrates growth and morphogenesis in the pancreas. Development (Cambridge), 2013, 140, 126-135.	1.2	33
204	Interaction proteome of human <scp>H</scp>ippo signaling: modular control of the coâ€activator <scp>YAP</scp>1. Molecular Systems Biology, 2013, 9, 713.	3.2	82
205	Encoding anatomy: Developmental gene regulatory networks and morphogenesis. Genesis, 2013, 51, 383-409.	0.8	48
206	Singleâ€cell <scp>PCR</scp> analysis of murine embryonic stem cells cultured on different substrates highlights heterogeneous expression of stem cell markers. Biology of the Cell, 2013, 105, 549-560.	0.7	6
207	Spatial organization of cellâ€adhesive ligands for advanced cell culture. Biotechnology Journal, 2013, 8, 1411-1423.	1.8	44
208	Tumor suppressor Nf2 limits expansion of the neural progenitor pool by inhibiting Yap/Taz transcriptional coactivators. Development (Cambridge), 2013, 140, 3323-3334.	1.2	97
209	Regulation of Hippo pathway by mitogenic growth factors via phosphoinositide 3-kinase and phosphoinositide-dependent kinase-1. Proceedings of the National Academy of Sciences of the United States of America, 2013, 110, 2569-2574.	3.3	290
210	Modulation of macrophage phenotype by cell shape. Proceedings of the National Academy of Sciences of the United States of America, 2013, 110, 17253-17258.	3.3	1,047
211	Hippo pathway effector Yap promotes cardiac regeneration. Proceedings of the National Academy of Sciences of the United States of America, 2013, 110, 13839-13844.	3.3	735
212	Chaperone-assisted proteostasis is essential for mechanotransduction in mammalian cells. Communicative and Integrative Biology, 2013, 6, e24925.	0.6	46
213	cAMP/PKA signalling reinforces the LATSâ€“YAP pathway to fully suppress YAP in response to actin cytoskeletal changes. EMBO Journal, 2013, 32, 1543-1555.	3.5	177
214	Mechanical control of epithelial lumen formation. Small GTPases, 2013, 4, 136-140.	0.7	18
215	Mechanical models for the self-organization of tubular patterns. Biomatter, 2013, 3, e24926.	2.6	2
216	Evolutionary conservation of early mesoderm specification by mechanotransduction in Bilateria. Nature Communications, 2013, 4, 2821.	5.8	160
217	Protein kinase A activates the Hippo pathway to modulate cell proliferation and differentiation. Genes and Development, 2013, 27, 1223-1232.	2.7	269
218	Mechanically induced osteogenic lineage commitment of stem cells. Stem Cell Research and Therapy, 2013, 4, 107.	2.4	113
219	Role of Substratum Stiffness in Modulating Genes Associated with Extracellular Matrix and Mechanotransducers YAP and TAZ. , 2013, 54, 378.		92
220	Stretch to See: Lateral Tension Strongly Determines Cell Survival in Long-Term Cultures of Adult Porcine Retina. , 2013, 54, 1845.		25

#	Article	IF	Citations
221	Willin, an Upstream Component of the Hippo Signaling Pathway, Orchestrates Mammalian Peripheral Nerve Fibroblasts. PLoS ONE, 2013, 8, e60028.	1.1	26
222	Actin Cytoskeleton Regulates Hippo Signaling. PLoS ONE, 2013, 8, e73763.	1.1	51
223	Mechanical Control of Organ Size in the Development of the Drosophila Wing Disc. PLoS ONE, 2013, 8, e76171.	1.1	49
224	Mst1 Directs Myosin IIa Partitioning of Low and Higher Affinity Integrins during T Cell Migration. PLoS ONE, 2014, 9, e105561.	1.1	16
225	ASPP2 Links the Apical Lateral Polarity Complex to the Regulation of YAP Activity in Epithelial Cells. PLoS ONE, 2014, 9, e111384.	1.1	34
226	Osteoblast-Specific Deletion of Pkd2 Leads to Low-Turnover Osteopenia and Reduced Bone Marrow Adiposity. PLoS ONE, 2014, 9, e114198.	1.1	35
227	WWTR1 (WW domain containing transcription regulator 1). Atlas of Genetics and Cytogenetics in Oncology and Haematology, 2014, 18, 849-852.	0.1	6
228	Extracellular matrix synthesis in vascular disease: hypertension, and atherosclerosis. Journal of Biomedical Research, 2014, 28, 25.	0.7	109
229	The dyskerin ribonucleoprotein complex as an OCT4/SOX2 coactivator in embryonic stem cells. ELife, 2014, 3, .	2.8	43
230	The Hippo Pathway Effectors TAZ/YAP Regulate Dicer Expression and MicroRNA Biogenesis through Let-7. Journal of Biological Chemistry, 2014, 289, 1886-1891.	1.6	91
231	The Cellular Mastermind(?)â€"Mechanotransduction and the Nucleus. Progress in Molecular Biology and Translational Science, 2014, 126, 157-203.	0.9	30
232	Nanotopographical surfaces for stem cell fate control: Engineering mechanobiology from the bottom. Nano Today, 2014, 9, 759-784.	6.2	220
233	YAP-Induced Resistance of Cancer Cells to Antitubulin Drugs Is Modulated by a Hippo-Independent Pathway. Cancer Research, 2014, 74, 4493-4503.	0.4	80
234	Rho GTPases. Small GTPases, 2014, 5, e983878.	0.7	169
235	Â-Catenin is an inhibitor of transcription. Proceedings of the National Academy of Sciences of the United States of America, 2014, 111, 5260-5265.	3.3	47
236	ZO Proteins Redundantly Regulate the Transcription Factor DbpA/ZONAB. Journal of Biological Chemistry, 2014, 289, 22500-22511.	1.6	38
237	The hippo signaling pathway: implications for heart regeneration and disease. Clinical and Translational Medicine, 2014, 3, 27.	1.7	7
238	Wound repair and regeneration: Mechanisms, signaling, and translation. Science Translational Medicine, 2014, 6, 265sr6.	5.8	2,114

#	Article	IF	Citations
239	Interplay of mevalonate and Hippo pathways regulates RHAMM transcription via YAP to modulate breast cancer cell motility. Proceedings of the National Academy of Sciences of the United States of America, 2014, 111, E89-98.	3.3	275
240	The Hippo pathway is controlled by Angiotensin II signaling and its reactivation induces apoptosis in podocytes. Cell Death and Disease, 2014, 5, e1519-e1519.	2.7	79
241	Integrin signaling in cartilage development. Animal Cells and Systems, 2014, 18, 365-371.	0.8	15
242	Rho, nuclear actin, and actin-binding proteins in the regulation of transcription and gene expression. Small GTPases, 2014, 5, e27539.	0.7	75
243	The actin/MKL1 signalling pathway influences cell growth and gene expression through large-scale chromatin reorganization and histone post-translational modifications. Biochemical Journal, 2014, 461, 257-268.	1.7	22
244	A combination of Wnt and growth factor signaling induces Arl4c expression to form epithelial tubular structures. EMBO Journal, 2014, 33, 702-718.	3.5	77
245	Pax3 and Hippo Signaling Coordinate Melanocyte Gene Expression in Neural Crest. Cell Reports, 2014, 9, 1885-1895.	2.9	49
246	The Hippo signal transduction network in skeletal and cardiac muscle. Science Signaling, 2014, 7, re4.	1.6	74
247	Energy Stress Regulates Hippo-YAP Signaling Involving AMPK-Mediated Regulation of Angiomotin-like 1 Protein. Cell Reports, 2014, 9, 495-503.	2.9	244
248	Effect of Pulsatile and Continuous Flow on Yes-Associated Protein. International Journal of Angiology, 2014, 23, 183-186.	0.2	3
249	Rho-actin signaling to the MRTF coactivators dominates the immediate transcriptional response to serum in fibroblasts. Genes and Development, 2014, 28, 943-958.	2.7	297
250	Picking up the threads: extracellular matrix signals in epithelial morphogenesis. Current Opinion in Cell Biology, 2014, 30, 83-90.	2.6	19
251	Lats2 is critical for the pluripotency and proper differentiation of stem cells. Cell Death and Differentiation, 2014, 21, 624-633.	5.0	23
252	Altered mechanobiology of Schlemmâ€™s canal endothelial cells in glaucoma. Proceedings of the National Academy of Sciences of the United States of America, 2014, 111, 13876-13881.	3.3	144
253	Influence of the microenvironment on cell fate determination and migration. Physiological Genomics, 2014, 46, 309-314.	1.0	54
254	Cardiac valve cells and their microenvironmentâ€”insights from in vitro studies. Nature Reviews Cardiology, 2014, 11, 715-727.	6.1	80
255	Arhgef7 promotes activation of the Hippo pathway core kinase Lats. EMBO Journal, 2014, 33, 2997-3011.	3.5	32
256	Inhibition of autophagy as a new means of improving chemotherapy efficiency in high-LC3B triple-negative breast cancers. Autophagy, 2014, 10, 2122-2142.	4.3	130

#	Article	IF	Citations
257	Topography Design Concept of a Tissue Engineering Scaffold for Controlling Cell Function and Fate Through Actin Cytoskeletal Modulation. Tissue Engineering - Part B: Reviews, 2014, 20, 609-627.	2.5	63
258	The tumor suppressor Nf2 regulates corpus callosum development by inhibiting the transcriptional coactivator Yap. Development (Cambridge), 2014, 141, 4182-4193.	1.2	35
259	Forms, forces, and stem cell fate. Current Opinion in Cell Biology, 2014, 31, 92-97.	2.6	73
260	Systems Mechanobiology: Tension-Inhibited Protein Turnover Is Sufficient to Physically Control Gene Circuits. Biophysical Journal, 2014, 107, 2734-2743.	0.2	40
261	One Hippo and many masters: differential regulation of the Hippo pathway in cancer. Biochemical Society Transactions, 2014, 42, 816-821.	1.6	12
262	Mechanical Force Sensing in Tissues. Progress in Molecular Biology and Translational Science, 2014, 126, 317-352.	0.9	86
263	Early Events in Cell Spreading as a Model for Quantitative Analysis of Biomechanical Events. Biophysical Journal, 2014, 107, 2508-2514.	0.2	57
264	PTPN14 Forms a Complex with Kibra and LATS1 Proteins and Negatively Regulates the YAP Oncogenic Function. Journal of Biological Chemistry, 2014, 289, 23693-23700.	1.6	77
265	Neuregulin 1â€“activated ERBB4 interacts with YAP to induce Hippo pathway target genes and promote cell migration. Science Signaling, 2014, 7, ra116.	1.6	153
266	Mechanosensing in Developing Lymphatic Vessels. Advances in Anatomy, Embryology and Cell Biology, 2014, 214, 23-40.	1.0	20
267	Rapid disorganization of mechanically interacting systems of mammary acini. Proceedings of the National Academy of Sciences of the United States of America, 2014, 111, 658-663.	3.3	139
268	Substrate stiffness regulates solubility of cellular vimentin. Molecular Biology of the Cell, 2014, 25, 87-94.	0.9	67
269	Biophysical regulation of hematopoietic stem cells. Biomaterials Science, 2014, 2, 1548-1561.	2.6	37
270	Emerging cellular and molecular targets in fibrosis. Current Opinion in Rheumatology, 2014, 26, 607-614.	2.0	40
271	Serum Inter-Î±-inhibitor Activates the Yes Tyrosine Kinase and YAP/TEAD Transcriptional Complex in Mouse Embryonic Stem Cells. Journal of Biological Chemistry, 2014, 289, 33492-33502.	1.6	13
272	Crumbs promotes expanded recognition and degradation by the SCF ^{Slimb/Î²-TrCP} ubiquitin ligase. Proceedings of the National Academy of Sciences of the United States of America, 2014, 111, E1980-9.	3.3	53
273	Angiomotins link F-actin architecture to Hippo pathway signaling. Molecular Biology of the Cell, 2014, 25, 1676-1685.	0.9	159
274	Î±-Tubulin K40 acetylation is required for contact inhibition of proliferation and cellâ€“substrate adhesion. Molecular Biology of the Cell, 2014, 25, 1854-1866.	0.9	71

#	Article	IF	Citations
275	Epithelial junctions and Rho family GTPases: the zonular signalosome. Small GTPases, 2014, 5, e973760.	0.7	152
276	Biomaterials Approaches in Stem Cell Mechanobiology. Progress in Molecular Biology and Translational Science, 2014, 126, 257-278.	0.9	1
277	The Hippo Kinase Pathway: a master regulator of proliferation, development and differentiation. Atlas of Genetics and Cytogenetics in Oncology and Haematology, 2014, , .	0.1	0
278	Targeting pleiotropic signaling pathways to control adult cardiac stem cell fate and function. Frontiers in Physiology, 2014, 5, 219.	1.3	4
279	A FAK-Cas-Rac-Lamellipodin Signaling Module Transduces Extracellular Matrix Stiffness into Mechanosensitive Cell Cycling. Science Signaling, 2014, 7, ra57.	1.6	171
280	Expression and Clinical Significance of YAP, TAZ, and AREG in Hepatocellular Carcinoma. Journal of Immunology Research, 2014, 2014, 1-10.	0.9	100
281	The Hippo pathway in disease and therapy: cancer and beyond. Clinical and Translational Medicine, 2014, 3, 22.	1.7	51
282	Biomechanics of TGFÎ²â€induced epithelialâ€mesenchymal transition: implications for fibrosis and cancer. Clinical and Translational Medicine, 2014, 3, 23.	1.7	112
283	Spatial constraints control cell proliferation in tissues. Proceedings of the National Academy of Sciences of the United States of America, 2014, 111, 5586-5591.	3.3	213
284	Concise Review: Hurdles in a Successful Example of Limbal Stem Cell-based Regenerative Medicine. Stem Cells, 2014, 32, 26-34.	1.4	95
285	Elevated YAP and Its Downstream Targets CCN1 and CCN2 in Basal Cell Carcinoma. American Journal of Pathology, 2014, 184, 937-943.	1.9	58
286	Harnessing Hippo in the heart: Hippo/Yap signaling and applications to heart regeneration and rejuvenation. Stem Cell Research, 2014, 13, 571-581.	0.3	49
287	Role of Extracellular Matrix Signaling Cues in Modulating Cell Fate Commitment for Cardiovascular Tissue Engineering. Advanced Healthcare Materials, 2014, 3, 628-641.	3.9	71
288	Mechanical memory and dosing influence stem cell fate. Nature Materials, 2014, 13, 645-652.	13.3	943
289	Dual function of Yap in the regulation of lens progenitor cells and cellular polarity. Developmental Biology, 2014, 386, 281-290.	0.9	34
290	Bio-chemo-mechanical models for nuclear deformation in adherent eukaryotic cells. Biomechanics and Modeling in Mechanobiology, 2014, 13, 929-943.	1.4	25
291	Planarian yorkie/YAP functions to integrate adult stem cell proliferation, organ homeostasis and maintenance of axial patterning. Development (Cambridge), 2014, 141, 1197-1208.	1.2	52
292	Developmental Aspects of the Lymphatic Vascular System. Advances in Anatomy, Embryology and Cell Biology, 2014, , .	1.0	6

#	Article	IF	Citations
293	Hippo Signaling Regulates Microprocessor and Links Cell-Density-Dependent miRNA Biogenesis to Cancer. Cell, 2014, 156, 893-906.	13.5	302
294	Role of Hippo Signaling in Cancer Stem Cells. Journal of Cellular Physiology, 2014, 229, 266-270.	2.0	40
295	Metabolic control of YAP and TAZ by the mevalonate pathway. Nature Cell Biology, 2014, 16, 357-366.	4.6	630
296	Augmentation of integrin-mediated mechanotransduction by hyaluronic acid. Biomaterials, 2014, 35, 71-82.	5.7	97
297	Integrated Micro/Nanoengineered Functional Biomaterials for Cell Mechanics and Mechanobiology: A Materials Perspective. Advanced Materials, 2014, 26, 1494-1533.	11.1	121
298	Fibrosisâ€"a lethal component of systemic sclerosis. Nature Reviews Rheumatology, 2014, 10, 390-402.	3.5	251
299	Establishment of transgenic lines to monitor and manipulate Yap/Taz-Tead activity in zebrafish reveals both evolutionarily conserved and divergent functions of the Hippo pathway. Mechanisms of Development, 2014, 133, 177-188.	1.7	54
300	Combining insoluble and soluble factors to steer stem cell fate. Nature Materials, 2014, 13, 532-537.	13.3	76
301	Sticky mechanical memory. Nature Materials, 2014, 13, 542-543.	13.3	17
302	The Hippo signaling pathway in stem cell biology and cancer. EMBO Reports, 2014, 15, 642-656.	2.0	532
303	The Hippo-YAP signaling pathway and contact inhibition of growth. Journal of Cell Science, 2014, 127, 709-717.	1.2	279
304	Materials as stem cell regulators. Nature Materials, 2014, 13, 547-557.	13.3	794
305	A Global Assessment of Stem Cell Engineering. Tissue Engineering - Part A, 2014, 20, 2575-2589.	1.6	7
306	Yap1, transcription regulator in the Hippo signaling pathway, is required for Xenopus limb bud regeneration. Developmental Biology, 2014, 388, 57-67.	0.9	49
307	Regulation of the endothelial barrier function: a filum granum of cellular forces, Rho-GTPase signaling and microenvironment. Cell and Tissue Research, 2014, 355, 557-576.	1.5	35
308	BMP growth factor signaling in a biomechanical context. BioFactors, 2014, 40, 171-187.	2.6	43
309	Sensing rigidity. Nature Materials, 2014, 13, 539-540.	13.3	28
310	Material control of stem cell differentiation: challenges in nano-characterization. Current Opinion in Biotechnology, 2014, 28, 46-50.	3.3	29

#	Article	IF	Citations
311	Actin Dynamics, Architecture, and Mechanics in Cell Motility. Physiological Reviews, 2014, 94, 235-263.	13.1	1,109
312	The two faces of Hippo: targeting the Hippo pathway for regenerative medicine and cancer treatment. Nature Reviews Drug Discovery, 2014, 13, 63-79.	21.5	743
313	The use of skin models in drug development. Advanced Drug Delivery Reviews, 2014, 69-70, 81-102.	6.6	234
314	Extracellular matrix: A dynamic microenvironment for stem cell niche. Biochimica Et Biophysica Acta - General Subjects, 2014, 1840, 2506-2519.	1.1	1,017
315	â€œStamp-offâ€•to Micropattern Sparse, Multicomponent Features. Methods in Cell Biology, 2014, 119, 3-16.	0.5	11
316	Appreciating force and shape â€" the rise of mechanotransduction in cell biology. Nature Reviews Molecular Cell Biology, 2014, 15, 825-833.	16.1	634
317	The extracellular matrix modulates the hallmarks of cancer. EMBO Reports, 2014, 15, 1243-1253.	2.0	1,391
318	Physical influences of the extracellular environment on cell migration. Nature Reviews Molecular Cell Biology, 2014, 15, 813-824.	16.1	585
319	How cells explore shape space: A quantitative statistical perspective of cellular morphogenesis. BioEssays, 2014, 36, 1195-1203.	1.2	22
320	Stretch-activated ion channel Piezo1 directs lineage choice in human neural stem cells. Proceedings of the National Academy of Sciences of the United States of America, 2014, 111, 16148-16153.	3.3	446
321	Reprogramming cellular phenotype by soft collagen gels. Soft Matter, 2014, 10, 8829-8837.	1.2	32
322	Regulation of MKL1 via actin cytoskeleton dynamics drives adipocyte differentiation. Nature Communications, 2014, 5, 3368.	5.8	138
323	Opposing activities of the <scp>R</scp> as and <scp>H</scp> ippo pathways converge on regulation of <scp>YAP</scp> protein turnover. EMBO Journal, 2014, 33, 2447-2457.	3.5	102
324	Clamping Down on Tumor Proliferation. Biophysical Journal, 2014, 107, 1775-1776.	0.2	2
325	Hippo Pathway Effectors Control Cardiac Progenitor Cell Fate by Acting as Dynamic Sensors of Substrate Mechanics and Nanostructure. ACS Nano, 2014, 8, 2033-2047.	7.3	127
326	Regulation of YAP by Mechanical Strain through Jnk and Hippo Signaling. Current Biology, 2014, 24, 2012-2017.	1.8	195
327	Nanotopography â€" potential relevance in the stem cell niche. Biomaterials Science, 2014, 2, 1574-1594.	2.6	47
328	Label-free quantitative proteomic analysis of the YAP/TAZ interactome. American Journal of Physiology - Cell Physiology, 2014, 306, C805-C818.	2.1	59

#	Article	IF	Citations
329	Mechanotransduction and extracellular matrix homeostasis. Nature Reviews Molecular Cell Biology, 2014, 15, 802-812.	16.1	1,492
330	Nucleocytoplasmic shuttling: a common theme in mechanotransduction. Biochemical Society Transactions, 2014, 42, 645-649.	1.6	19
331	Cadherin Adhesion and Mechanotransduction. Annual Review of Cell and Developmental Biology, 2014, 30, 291-315.	4.0	333
332	Adhesion Molecule-Mediated Hippo Pathway Modulates Hemangioendothelioma Cell Behavior. Molecular and Cellular Biology, 2014, 34, 4485-4499.	1.1	17
333	Substratum-induced differentiation of human pluripotent stem cells reveals the coactivator YAP is a potent regulator of neuronal specification. Proceedings of the National Academy of Sciences of the United States of America, 2014, 111, 13805-13810.	3.3	153
334	Evolutionary and Molecular Facts Link the WWC Protein Family to Hippo Signaling. Molecular Biology and Evolution, 2014, 31, 1710-1723.	3.5	57
335	CD44 acts through RhoA to regulate YAP signaling. Cellular Signalling, 2014, 26, 2504-2513.	1.7	59
336	Shear Stressâ€"Initiated Signaling and Its Regulation of Endothelial Function. Arteriosclerosis, Thrombosis, and Vascular Biology, 2014, 34, 2191-2198.	1.1	389
337	Cdc42/N-WASP signaling links actin dynamics to pancreatic Î² cell delamination and differentiation. Development (Cambridge), 2014, 141, 685-696.	1.2	53
338	The nuclear lamina is mechano-responsive to ECM elasticity in mature tissue. Journal of Cell Science, 2014, 127, 3005-15.	1.2	170
339	Screening with a Novel Cell-Based Assay for TAZ Activators Identifies a Compound That Enhances Myogenesis in C2C12 Cells and Facilitates Muscle Repair in a Muscle Injury Model. Molecular and Cellular Biology, 2014, 34, 1607-1621.	1.1	47
340	Integrative genomics analysis reveals the multilevel dysregulation and oncogenic characteristics of TEAD4 in gastric cancer. Carcinogenesis, 2014, 35, 1020-1027.	1.3	79
341	YAP/TAZ Incorporation in the Î²-Catenin Destruction Complex Orchestrates the Wnt Response. Cell, 2014, 158, 157-170.	13.5	873
342	Insight into planar cell polarity. Experimental Cell Research, 2014, 328, 284-295.	1.2	41
343	Cytoskeletal Tension Inhibits Hippo Signaling through an Ajuba-Warts Complex. Cell, 2014, 158, 143-156.	13.5	306
344	Differential nuclear expression of Yap in basal epithelial cells across the cornea and substrates of differing stiffness. Experimental Eye Research, 2014, 127, 37-41.	1.2	44
345	Evaluation of TAZ expression and its effect on tumor invasion and metastasis in human glioma. Asian Pacific Journal of Tropical Medicine, 2014, 7, 757-760.	0.4	11
346	Cytokinesis Failure Triggers Hippo Tumor Suppressor Pathway Activation. Cell, 2014, 158, 833-848.	13.5	312

#	Article	IF	Citations
347	Interplay of matrix stiffness and protein tethering in stem cell differentiation. Nature Materials, 2014, 13, 979-987.	13.3	812
348	Discrete microstructural cues for the attenuation of fibrosis following myocardial infarction. Biomaterials, 2014, 35, 8820-8828.	5.7	14
349	Viral Small T Oncoproteins Transform Cells by Alleviating Hippo-Pathway-Mediated Inhibition of the YAP Proto-oncogene. Cell Reports, 2014, 8, 707-713.	2.9	36
350	Multiscale, Hierarchically Patterned Topography for Directing Human Neural Stem Cells into Functional Neurons. ACS Nano, 2014, 8, 7809-7822.	7.3	132
351	Inhibition of RHOâ€“ROCK signaling enhances ICM and suppresses TE characteristics through activation of Hippo signaling in the mouse blastocyst. Developmental Biology, 2014, 394, 142-155.	0.9	110
352	The Biology of YAP/TAZ: Hippo Signaling and Beyond. Physiological Reviews, 2014, 94, 1287-1312.	13.1	1,336
353	CD98hc (SLC3A2) Loss Protects Against Ras-Driven Tumorigenesis by Modulating Integrin-Mediated Mechanotransduction. Cancer Research, 2014, 74, 6878-6889.	0.4	54
354	A Cell Culture Substrate with Biologically Relevant Size-Scale Topography and Compliance of the Basement Membrane. Langmuir, 2014, 30, 2101-2108.	1.6	19
355	Sensing the local environment: actin architecture and Hippo signalling. Current Opinion in Cell Biology, 2014, 31, 74-83.	2.6	143
356	YAP inhibits squamous transdifferentiation of Lkb1-deficient lung adenocarcinoma through ZEB2-dependent DNp63 repression. Nature Communications, 2014, 5, 4629.	5.8	95
357	Transcriptional regulators in the Hippo signaling pathway control organ growth in Xenopus tadpole tail regeneration. Developmental Biology, 2014, 396, 31-41.	0.9	48
359	Limited predictive value of blastomere angle of division in trophectoderm and inner cell mass specification. Development (Cambridge), 2014, 141, 2279-2288.	1.2	89
360	Auxetic nuclei. Nature Materials, 2014, 13, 540-542.	13.3	15
361	Identification, Mechanism of Action, and Antitumor Activity of a Small Molecule Inhibitor of Hippo, TGF-Î², and Wnt Signaling Pathways. Molecular Cancer Therapeutics, 2014, 13, 1457-1467.	1.9	53
362	Integrins in development and cancer. Biophysical Reviews, 2014, 6, 191-202.	1.5	14
363	Lung epithelial stem cells and their niches: Fgf10 takes center stage. Fibrogenesis and Tissue Repair, 2014, 7, 8.	3.4	88
365	Hippo/YAP-mediated rigidity-dependent motor neuron differentiation of human pluripotent stemÂcells. Nature Materials, 2014, 13, 599-604.	13.3	238
366	HGF Induces Epithelial-to-Mesenchymal Transition by Modulating the Mammalian Hippo/MST2 and ISG15 Pathways. Journal of Proteome Research, 2014, 13, 2874-2886.	1.8	82

#	Article	IF	Citations
367	Cellular micro-environments reveal defective mechanosensing responses and elevated YAP signaling in LMNA-mutated muscle precursors. Journal of Cell Science, 2014, 127, 2873-84.	1.2	105
368	Matrix Elasticity Regulates Lamin-A,C Phosphorylation and Turnover with Feedback to Actomyosin. Current Biology, 2014, 24, 1909-1917.	1.8	320
369	Mechanotransduction in C. elegans Morphogenesis and Tissue Function. Progress in Molecular Biology and Translational Science, 2014, 126, 281-316.	0.9	7
370	Generation of organized germ layers from a single mouse embryonic stem cell. Nature Communications, 2014, 5, 4000.	5.8	104
371	The Hippo pathway effectors TAZ and YAP in development, homeostasis and disease. Development (Cambridge), 2014, 141, 1614-1626.	1.2	514
372	Role of extracellular matrix and YAP/TAZ in cell fate determination. Cellular Signalling, 2014, 26, 186-191.	1.7	72
373	In vitro induction of alkaline phosphatase levels predicts in vivo bone forming capacity of human bone marrow stromal cells. Stem Cell Research, 2014, 12, 428-440.	0.3	126
374	YAP/TAZ as mechanosensors and mechanotransducers in regulating organ size and tumor growth. FEBS Letters, 2014, 588, 2663-2670.	1.3	354
375	Mechanotransduction and fibrosis. Journal of Biomechanics, 2014, 47, 1997-2005.	0.9	157
376	Integrin Î±v in the mechanical response of osteoblast lineage cells. Biochemical and Biophysical Research Communications, 2014, 447, 352-357.	1.0	61
377	Matrix Biology of Idiopathic Pulmonary Fibrosis. American Journal of Pathology, 2014, 184, 1643-1651.	1.9	91
378	An Integrative Analysis of the Tumorigenic Role of TAZ in Human Nonâ€“Small Cell Lung Cancer. Clinical Cancer Research, 2014, 20, 4660-4672.	3.2	81
379	Molecular Mechanisms of Angiogenesis. , 2014, , .		5
380	Yielding substrates for neurons. Nature Materials, 2014, 13, 543-544.	13.3	6
381	Stem Cells Go Soft: Pliant Substrate Surfaces Enhance Motor Neuron Differentiation. Cell Stem Cell, 2014, 14, 701-703.	5.2	3
382	Hippo-Independent Activation of YAP by the GNAQ Uveal Melanoma Oncogene through a Trio-Regulated Rho GTPase Signaling Circuitry. Cancer Cell, 2014, 25, 831-845.	7.7	471
383	KRAS and YAP1 Converge to Regulate EMT and Tumor Survival. Cell, 2014, 158, 171-184.	13.5	608
384	Age-Related Dysfunction in Mechanotransduction Impairs Differentiation of Human Mammary Epithelial Progenitors. Cell Reports, 2014, 7, 1926-1939.	2.9	74

#	Article	IF	Citations
385	Shear Stress Induced by an Interstitial Level of Slow Flow Increases the Osteogenic Differentiation of Mesenchymal Stem Cells through TAZ Activation. PLoS ONE, 2014, 9, e92427.	1.1	158
386	Longitudinal Measurement of Extracellular Matrix Rigidity in 3D Tumor Models Using Particle-tracking Microrheology. Journal of Visualized Experiments, 2014, , .	0.2	11
387	The extracellular matrix: Structure, composition, age-related differences, tools for analysis and applications for tissue engineering. Journal of Tissue Engineering, 2014, 5, 204173141455711.	2.3	290
388	The Hippo transducers TAZ and YAP in breast cancer: oncogenic activities and clinical implications. Expert Reviews in Molecular Medicine, 2015, 17, e14.	1.6	75
389	TAZ promotes epithelial to mesenchymal transition via the upregulation of connective tissue growth factor expression in neuroblastoma cells. Molecular Medicine Reports, 2015, 11, 982-988.	1.1	40
390	Thyroid development in zebrafish lacking Taz. Mechanisms of Development, 2015, 138, 268-278.	1.7	18
391	Tissue patterning and cellular mechanics. Journal of Cell Biology, 2015, 211, 219-231.	2.3	88
392	Using biomaterials to study stem cell mechanotransduction, growth and differentiation. Journal of Tissue Engineering and Regenerative Medicine, 2015, 9, 528-539.	1.3	69
393	Looking back and moving forward: Recent advances in understanding of cardiovascular development by imaging of zebrafish. Development Growth and Differentiation, 2015, 57, 333-340.	0.6	7
394	Cytoskeletal signaling in <scp>TGF</scp>Î²â€induced epithelialâ€“mesenchymal transition. Cytoskeleton, 2015, 72, 557-569.	1.0	41
395	Stiff substrates increase YAP-signaling-mediated matrix metalloproteinase-7 expression. Oncogenesis, 2015, 4, e165-e165.	2.1	67
396	Biophysical Regulation of Chromatin Architecture Instills a Mechanical Memory in Mesenchymal Stem Cells. Scientific Reports, 2015, 5, 16895.	1.6	148
397	Active Tensile Modulus of an Epithelial Monolayer. Physical Review Letters, 2015, 115, 248103.	2.9	53
398	A YAP/TAZ-miR-130/301 molecular circuit exerts systems-level control of fibrosis in a network of human diseases and physiologic conditions. Scientific Reports, 2015, 5, 18277.	1.6	58
399	Chick tendon fibroblast transcriptome and shape depend on whether the cell has made its own collagen matrix. Scientific Reports, 2015, 5, 13555.	1.6	27
400	The N-cadherin cytoplasmic domain confers anchorage-independent growth and the loss of contact inhibition. Scientific Reports, 2015, 5, 15368.	1.6	12
401	Yes-associated protein regulates the growth of human non-small cell lung cancer in response to matrix stiffness. Molecular Medicine Reports, 2015, 11, 4267-4272.	1.1	26
402	Edges of human embryonic stem cell colonies display distinct mechanical properties and differentiation potential. Scientific Reports, 2015, 5, 14218.	1.6	80

#	Article	IF	Citations
403	YAP is closely correlated with castration-resistant prostate cancer, and downregulation of YAP reduces proliferation and induces apoptosis of PC-3 cells. Molecular Medicine Reports, 2015, 12, 4867-4876.	1.1	32
404	Differential Contributions of Nonmuscle Myosin II Isoforms and Functional Domains to Stress Fiber Mechanics. Scientific Reports, 2015, 5, 13736.	1.6	23
405	Cell shape and sensitivity to the lytic activity of natural killers under antioxidant action. Cell and Tissue Biology, 2015, 9, 467-472.	0.2	0
406	Activation of mechanosensitive transcription factors in murine C2C12 myoblasts by focused low-intensity pulsed Ultrasound (FLIPUS). , 2015, , .		1
407	Matrix Remodeling Promotes Pulmonary Hypertension through Feedback Mechanoactivation of the YAP/TAZ-miR-130/301 Circuit. Cell Reports, 2015, 13, 1016-1032.	2.9	193
408	Activation of Yes-Associated Protein in Low-Grade Meningiomas Is Regulated by Merlin, Cell Density, and Extracellular Matrix Stiffness. Journal of Neuropathology and Experimental Neurology, 2015, 74, 704-709.	0.9	14
409	<scp>LATS</scp>2 induced by <scp>TNF</scp>â€alpha and inhibited cell proliferation and invasion by phosphorylating <scp>YAP</scp> in oral squamous cell carcinoma. Journal of Oral Pathology and Medicine, 2015, 44, 475-481.	1.4	20
410	Up-regulation of the Hippo pathway effector TAZ renders lung adenocarcinoma cells harboring EGFR-T790M mutation resistant to gefitinib. Cell and Bioscience, 2015, 5, 7.	2.1	44
411	Yes-associated protein (YAP) is a negative regulator of chondrogenesis in mesenchymal stem cells. Arthritis Research and Therapy, 2015, 17, 147.	1.6	104
412	Robust intestinal homeostasis relies on cellular plasticity in enteroblasts mediated by miRâ€8â€“Escargot switch. EMBO Journal, 2015, 34, 2025-2041.	3.5	110
413	The Actin Filament as a Mechanosensor. Seibutsu Butsuri, 2015, 55, 187-191.	0.0	0
414	The wing and the eye: a parsimonious theory for scaling and growth control?. Wiley Interdisciplinary Reviews: Developmental Biology, 2015, 4, 591-608.	5.9	19
415	Engineering Nanoscale Stem Cell Niche: Direct Stem Cell Behavior at Cellâ€“Matrix Interface. Advanced Healthcare Materials, 2015, 4, 1900-1914.	3.9	37
416	Intranuclear Actin Regulates Osteogenesis. Stem Cells, 2015, 33, 3065-3076.	1.4	100
417	Relationship of and cross-talk between physical and biologic properties of the glomerulus. Current Opinion in Nephrology and Hypertension, 2015, 24, 1.	1.0	7
418	Interactions of EGFR and the Hippo Pathway in Diabetic Nephropathy. Journal of Kidney, 2015, 01, .	0.1	0
419	Forces of nature: understanding the role of mechanotransduction in stem cell differentiation. , 0, , 205-226.		0
420	Yes-Associated Protein (Yap) Is Necessary for Ciliogenesis and Morphogenesis during Pronephros Development in Zebrafish (Danio Rerio). International Journal of Biological Sciences, 2015, 11, 935-947.	2.6	22

#	Article	IF	Citations
421	Adult Stem Cell Responses to Nanostimuli. Journal of Functional Biomaterials, 2015, 6, 598-622.	1.8	37
422	Signaling in Fibrosis: TGF-Î², WNT, and YAP/TAZ Converge. Frontiers in Medicine, 2015, 2, 59.	1.2	350
423	Chromatin signaling in muscle stem cells: interpreting the regenerative microenvironment. Frontiers in Aging Neuroscience, 2015, 7, 36.	1.7	15
424	A Review: Molecular Aberrations within Hippo Signaling in Bone and Soft-Tissue Sarcomas. Frontiers in Oncology, 2015, 5, 190.	1.3	60
425	BMP9 Crosstalk with the Hippo Pathway Regulates Endothelial Cell Matricellular and Chemokine Responses. PLoS ONE, 2015, 10, e0122892.	1.1	40
426	Multiscale topographical approaches for cell mechanobiology studies. , 0, , 69-89.		0
427	Optimum 3D Matrix Stiffness for Maintenance of Cancer Stem Cells Is Dependent on Tissue Origin of Cancer Cells. PLoS ONE, 2015, 10, e0132377.	1.1	97
428	Extracellular Matrix Stiffness Regulates Osteogenic Differentiation through MAPK Activation. PLoS ONE, 2015, 10, e0135519.	1.1	101
429	Proton-sensing GPCR-YAP Signalling Promotes Cell Proliferation and Survival. International Journal of Biological Sciences, 2015, 11, 1181-1189.	2.6	23
430	Amotl2a interacts with the Hippo effector Yap1 and the Wnt/Î²-catenin effector Lef1 to control tissue size in zebrafish. ELife, 2015, 4, e08201.	2.8	34
431	Mechanical stress regulates gene expression via Rho/Rho-kinase signaling pathway. The Journal of Physical Fitness and Sports Medicine, 2015, 4, 53-61.	0.2	4
432	Control of Organ Growth by Patterning and Hippo Signaling inDrosophila. Cold Spring Harbor Perspectives in Biology, 2015, 7, a019224.	2.3	100
433	Mechanical stimulation induces formin-dependent assembly of a perinuclear actin rim. Proceedings of the National Academy of Sciences of the United States of America, 2015, 112, E2595-601.	3.3	105
434	The Hippo Pathway and YAP/TAZâ€“TEAD Proteinâ€“Protein Interaction as Targets for Regenerative Medicine and Cancer Treatment. Journal of Medicinal Chemistry, 2015, 58, 4857-4873.	2.9	141
435	Sox2 antagonizes the Hippo pathway to maintain stemness in cancer cells. Nature Communications, 2015, 6, 6411.	5.8	207
436	Mechanotransduction Mechanisms for Intraventricular Diastolic Vortex Forces and Myocardial Deformations: Part 2. Journal of Cardiovascular Translational Research, 2015, 8, 293-318.	1.1	31
437	Compressive Stress Induces Dephosphorylation of the Myosin Regulatory Light Chain via RhoA Phosphorylation by the Adenylyl Cyclase/Protein Kinase A Signaling Pathway. PLoS ONE, 2015, 10, e0117937.	1.1	28
438	Tissue Transglutaminase Mediated Tumorâ€“Stroma Interaction Promotes Pancreatic Cancer Progression. Clinical Cancer Research, 2015, 21, 4482-4493.	3.2	75

#	Article	IF	Citations
439	YAP and TAZ: a nexus for Hippo signaling and beyond. Trends in Cell Biology, 2015, 25, 499-513.	3.6	445
440	Angiomotin binding-induced activation of Merlin/NF2 in the Hippo pathway. Cell Research, 2015, 25, 801-817.	5.7	115
441	Stem cell mechanobiology: diverse lessons from bone marrow. Trends in Cell Biology, 2015, 25, 523-532.	3.6	103
442	Tendon mechanobiology: Current knowledge and future research opportunities. Journal of Orthopaedic Research, 2015, 33, 813-822.	1.2	117
443	Physiological mechanisms and therapeutic potential of bone mechanosensing. Reviews in Endocrine and Metabolic Disorders, 2015, 16, 115-129.	2.6	44
444	N-Cadherin Induction by ECM Stiffness and FAK Overrides the Spreading Requirement for Proliferation of Vascular Smooth Muscle Cells. Cell Reports, 2015, 10, 1477-1486.	2.9	61
445	Cell Density Sensing Alters TGF-Î² Signaling in a Cell-Type-Specific Manner, Independent from Hippo Pathway Activation. Developmental Cell, 2015, 32, 640-651.	3.1	59
446	Yes-associated protein in the liver: Regulation of hepatic development, repair, cell fate determination and tumorigenesis. Digestive and Liver Disease, 2015, 47, 826-835.	0.4	23
447	The Hippo pathway effector YAP controls mouse hepatic stellate cell activation. Journal of Hepatology, 2015, 63, 679-688.	1.8	284
448	Mechanical strain induces E-cadherinâ€“dependent Yap1 and Î²-catenin activation to drive cell cycle entry. Science, 2015, 348, 1024-1027.	6.0	454
449	Surface topography enhances differentiation of mesenchymal stem cells towards osteogenic and adipogenic lineages. Biomaterials, 2015, 61, 316-326.	5.7	336
450	Zebrafish yap1 plays a role in differentiation of hair cells in posterior lateral line. Scientific Reports, 2014, 4, 4289.	1.6	26
451	NOS1AP Functionally Associates with YAP To Regulate Hippo Signaling. Molecular and Cellular Biology, 2015, 35, 2265-2277.	1.1	23
452	Î²-Spectrin Regulates the Hippo Signaling Pathway and Modulates the Basal Actin Network. Journal of Biological Chemistry, 2015, 290, 6397-6407.	1.6	56
453	A guide to mechanobiology: Where biology and physics meet. Biochimica Et Biophysica Acta - Molecular Cell Research, 2015, 1853, 3043-3052.	1.9	248
454	Cartilage regeneration for treatment of osteoarthritis: a paradigm for nonsurgical intervention. Therapeutic Advances in Musculoskeletal Disease, 2015, 7, 76-87.	1.2	54
455	Genetic variation in the functional ENG allele inherited from the non-affected parent associates with presence of pulmonary arteriovenous malformation in hereditary hemorrhagic telangiectasia 1 (HHT1) and may influence expression of PTPN14. Frontiers in Genetics, 2015, 6, 67.	1.1	17
456	Plectin isoform 1-dependent nuclear docking of desmin networks affects myonuclear architecture and expression of mechanotransducers. Human Molecular Genetics, 2015, 24, 7373-7389.	1.4	38

#	Article	IF	Citations
457	A strain-dependent diffusivity model to study the nuclear import of mechanobiological transcription factors. , 2015, 2015, 1857-60.		0
458	A MYC-Driven Change in Mitochondrial Dynamics Limits YAP/TAZ Function in Mammary Epithelial Cells and Breast Cancer. Cancer Cell, 2015, 28, 743-757.	7.7	122
459	Hippo Component TAZ Functions as a Co-repressor and Negatively Regulates Î”Np63 Transcription through TEA Domain (TEAD) Transcription Factor. Journal of Biological Chemistry, 2015, 290, 16906-16917.	1.6	36
460	Endosomal regulation of contact inhibition through the AMOT:YAP pathway. Molecular Biology of the Cell, 2015, 26, 2673-2684.	0.9	20
461	Non-muscle myosin II in disease: mechanisms and therapeutic opportunities. DMM Disease Models and Mechanisms, 2015, 8, 1495-515.	1.2	107
462	Coupling between apical tension and basal adhesion allow epithelia to collectively sense and respond to substrate topography over long distances. Integrative Biology (United Kingdom), 2015, 7, 1611-1621.	0.6	24
463	Control of Transcript Variability in Single Mammalian Cells. Cell, 2015, 163, 1596-1610.	13.5	332
464	A basal-like breast cancer-specific role for SRFâ€“IL6 in YAP-induced cancer stemness. Nature Communications, 2015, 6, 10186.	5.8	144
465	The actin-binding protein EPS8 binds VE-cadherin and modulates YAP localization and signaling. Journal of Cell Biology, 2015, 211, 1177-1192.	2.3	62
466	Cdc42EP3/BORG2 and Septin Network Enables Mechano-transduction and the Emergence of Cancer-Associated Fibroblasts. Cell Reports, 2015, 13, 2699-2714.	2.9	106
467	The role of microRNAs in bone remodeling. International Journal of Oral Science, 2015, 7, 131-143.	3.6	81
468	Expression of Î±-Smooth Muscle Actin Determines the Fate of Mesenchymal Stromal Cells. Stem Cell Reports, 2015, 4, 1016-1030.	2.3	162
469	Simulated microgravity inhibits osteogenic differentiation of mesenchymal stem cells through down regulating the transcriptional co-activator TAZ. Biochemical and Biophysical Research Communications, 2015, 468, 21-26.	1.0	33
470	A laminin 511 matrix is regulated by TAZ and functions as the ligand for the Î±6Bî²1 integrin to sustain breast cancer stem cells. Genes and Development, 2015, 29, 1-6.	2.7	131
471	Hippo signaling pathway in liver and pancreas: the potential drug target for tumor therapy. Journal of Drug Targeting, 2015, 23, 125-133.	2.1	13
472	NDR Functions as a Physiological YAP1 Kinase in the Intestinal Epithelium. Current Biology, 2015, 25, 296-305.	1.8	104
473	Dynamic stiffening of poly(ethylene glycol)-based hydrogels to direct valvular interstitial cell phenotype in a three-dimensional environment. Biomaterials, 2015, 49, 47-56.	5.7	187
474	Substrate Stiffness and Composition Specifically Direct Differentiation of Induced Pluripotent Stem Cells. Tissue Engineering - Part A, 2015, 21, 1633-1641.	1.6	65

#	Article	IF	Citations
475	Actomyosin contractility plays a role in MAP2 expression during nanotopography-directed neuronal differentiation of human embryonic stem cells. Biomaterials, 2015, 47, 20-28.	5.7	59
476	Substrate stress relaxation regulates cell spreading. Nature Communications, 2015, 6, 6364.	5.8	637
477	The research venture in arrhythmogenic right ventricular cardiomyopathy: a paradigm of translational medicine. European Heart Journal, 2015, 36, 837-848.	1.0	44
478	Differential regulation of the Hippo pathway by adherens junctions and apicalâ€“basal cell polarity modules. Proceedings of the National Academy of Sciences of the United States of America, 2015, 112, 1785-1790.	3.3	112
479	Making quantitative morphological variation from basic developmental processes: Where are we? The case of the Drosophila wing. Developmental Dynamics, 2015, 244, 1058-1073.	0.8	41
480	Genome-Wide Analysis of Wilmsâ€™ Tumor 1-Controlled Gene Expression in Podocytes Reveals Key Regulatory Mechanisms. Journal of the American Society of Nephrology: JASN, 2015, 26, 2097-2104.	3.0	97
481	The Hippo pathway effector YAP is a critical regulator of skeletal muscle fibre size. Nature Communications, 2015, 6, 6048.	5.8	128
482	The emerging roles of YAP and TAZ in cancer. Nature Reviews Cancer, 2015, 15, 73-79.	12.8	928
483	Tug of warâ€”The influence of opposing physical forces on epithelial cell morphology. Developmental Biology, 2015, 401, 92-102.	0.9	64
484	Cell competition in mouse NIH3T3 embryonic fibroblasts controlled by Tead activity and Myc. Journal of Cell Science, 2015, 128, 790-803.	1.2	50
485	Characterization of TAZ domains important for the induction of breast cancer stem cell properties and tumorigenesis. Cell Cycle, 2015, 14, 146-156.	1.3	45
486	Pharmacological activation of myosin II paralogs to correct cell mechanics defects. Proceedings of the National Academy of Sciences of the United States of America, 2015, 112, 1428-1433.	3.3	54
487	c-Abl antagonizes the YAP oncogenic function. Cell Death and Differentiation, 2015, 22, 935-945.	5.0	50
488	Biomechanical and biochemical remodeling of stromal extracellular matrix in cancer. Trends in Biotechnology, 2015, 33, 230-236.	4.9	276
489	Cell Adhesion in Epidermal Development and Barrier Formation. Current Topics in Developmental Biology, 2015, 112, 383-414.	1.0	76
490	Epithelialâ€“Mesenchymal Transitions. Current Topics in Developmental Biology, 2015, 112, 273-300.	1.0	132
491	On human pluripotent stem cell control: The rise of 3D bioengineering and mechanobiology. Biomaterials, 2015, 52, 26-43.	5.7	105
492	The regulation and function of YAP transcription co-activator. Acta Biochimica Et Biophysica Sinica, 2015, 47, 16-28.	0.9	108

#	Article	IF	Citations
493	G protein-coupled receptors: bridging the gap from the extracellular signals to the Hippo pathway. Acta Biochimica Et Biophysica Sinica, 2015, 47, 10-15.	0.9	17
494	An updated review of mechanotransduction in skin disorders: transcriptional regulators, ion channels, and microRNAs. Cellular and Molecular Life Sciences, 2015, 72, 2091-2106.	2.4	57
495	A molecular mechanotransduction pathway regulates collective migration of epithelial cells. Nature Cell Biology, 2015, 17, 276-287.	4.6	314
496	YAP is essential for tissue tension to ensure vertebrate 3D body shape. Nature, 2015, 521, 217-221.	13.7	237
497	Nuclear Signaling from Cadherin Adhesion Complexes. Current Topics in Developmental Biology, 2015, 112, 129-196.	1.0	71
498	ERG Activates the YAP1 Transcriptional Program and Induces the Development of Age-Related Prostate Tumors. Cancer Cell, 2015, 27, 797-808.	7.7	100
499	Î²-Catenin destruction complex-independent regulation of Hippoâ€“YAP signaling by APC in intestinal tumorigenesis. Genes and Development, 2015, 29, 1493-1506.	2.7	155
500	Matrix cross-linkingâ€“mediated mechanotransduction promotes posttraumatic osteoarthritis. Proceedings of the National Academy of Sciences of the United States of America, 2015, 112, 9424-9429.	3.3	82
501	The central role of muscle stem cells in regenerative failure with aging. Nature Medicine, 2015, 21, 854-862.	15.2	340
502	Yap control of tissue growth relies on cell density and F-actin in zebrafish fin regeneration. Development (Cambridge), 2015, 142, 2752-63.	1.2	50
503	Bone Homeostasis and Repair: Forced Into Shape. Current Rheumatology Reports, 2015, 17, 58.	2.1	21
504	Crumbling under Pressure. Developmental Cell, 2015, 33, 122-124.	3.1	1
505	Cell spreading area regulates clathrin-coated pit dynamics on micropatterned substrate. Integrative Biology (United Kingdom), 2015, 7, 1033-1043.	0.6	31
506	Mechanism of regulation of stem cell differentiation by matrix stiffness. Stem Cell Research and Therapy, 2015, 6, 103.	2.4	287
507	YAPing Hippo Forecasts a New Target for Lung Cancer Prevention and Treatment. Journal of Clinical Oncology, 2015, 33, 2311-2313.	0.8	12
508	Fluorescent Hydrogels for Embryoid Body Formation and Osteogenic Differentiation of Embryonic Stem Cells. ACS Applied Materials & Interfaces, 2015, 7, 10599-10605.	4.0	22
509	Emerging evidence on the role of the Hippo/YAP pathway in liver physiology and cancer. Journal of Hepatology, 2015, 63, 1491-1501.	1.8	150
510	Adhesion to fibronectin regulates Hippo signaling via the FAKâ€“Srcâ€“PI3K pathway. Journal of Cell Biology, 2015, 210, 503-515.	2.3	333

#	Article	IF	Citations
511	Homeostatic control of Hippo signaling activity revealed by an endogenous activating mutation in YAP. Genes and Development, 2015, 29, 1285-1297.	2.7	125
513	FAT1 cadherin acts upstream of Hippo signalling through TAZ to regulate neuronal differentiation. Cellular and Molecular Life Sciences, 2015, 72, 4653-4669.	2.4	35
514	The Spectrin cytoskeleton regulates the Hippo signalling pathway. EMBO Journal, 2015, 34, 940-954.	3.5	121
515	The Hippo signal transduction pathway in soft tissue sarcomas. Biochimica Et Biophysica Acta: Reviews on Cancer, 2015, 1856, 121-129.	3.3	28
516	Small molecules inhibiting the nuclear localization of YAP/TAZ for chemotherapeutics and chemosensitizers against breast cancers. FEBS Open Bio, 2015, 5, 542-549.	1.0	153
517	Fractal heterogeneity in minimal matrix models of scars modulates stiff-niche stem-cell responses via nuclear exit of a mechanorepressor. Nature Materials, 2015, 14, 951-960.	13.3	108
518	Regulation of Actin-Based Structure Dynamics by HspB Proteins and Partners. Heat Shock Proteins, 2015, , 435-456.	0.2	5
519	Cytoskeletal to Nuclear Strain Transfer Regulates YAP Signaling in Mesenchymal Stem Cells. Biophysical Journal, 2015, 108, 2783-2793.	0.2	242
520	G Proteinâ€“Coupled Receptor and RhoA-Stimulated Transcriptional Responses: Links to Inflammation, Differentiation, and Cell Proliferation. Molecular Pharmacology, 2015, 88, 171-180.	1.0	93
521	A nanotopography approach for studying the structure-function relationships of cells and tissues. Cell Adhesion and Migration, 2015, 9, 300-307.	1.1	34
522	Blood and immune cell engineering: Cytoskeletal contractility and nuclear rheology impact cell lineage and localization. BioEssays, 2015, 37, 633-642.	1.2	4
523	Signaling by the Engulfment Receptor Draper: A Screen in Drosophila melanogaster Implicates Cytoskeletal Regulators, Jun N-Terminal Kinase, and Yorkie. Genetics, 2015, 199, 117-134.	1.2	8
524	Matrix stiffness drives epithelialâ€“mesenchymal transition and tumour metastasis through a TWIST1â€“G3BP2 mechanotransduction pathway. Nature Cell Biology, 2015, 17, 678-688.	4.6	699
525	Roles of <scp>H</scp>ippo signaling pathway in size control of organ regeneration. Development Growth and Differentiation, 2015, 57, 341-351.	0.6	30
526	Estrogen regulates Hippo signaling via GPER in breast cancer. Journal of Clinical Investigation, 2015, 125, 2123-2135.	3.9	179
527	Actin cytoskeletal remodeling with protrusion formation is essential for heart regeneration in Hippo-deficient mice. Science Signaling, 2015, 8, ra41.	1.6	178
528	Yes-associated protein regulates endothelial cell contact-mediated expression of angiopoietin-2. Nature Communications, 2015, 6, 6943.	5.8	197
529	Zyxin Antagonizes the FERM Protein Expanded to Couple F-Actin and Yorkie-Dependent Organ Growth. Current Biology, 2015, 25, 679-689.	1.8	50

#	Article	IF	Citations
530	Cellular energy stress induces AMPK-mediated regulation of YAP and the Hippo pathway. Nature Cell Biology, 2015, 17, 500-510.	4.6	421
531	AMPK modulates Hippo pathway activity to regulate energy homeostasis. Nature Cell Biology, 2015, 17, 490-499.	4.6	411
533	Nuclear roles for actin. Chromosoma, 2015, 124, 481-489.	1.0	20
534	Structural Basis for the Phosphorylation-regulated Interaction between the Cytoplasmic Tail of Cell Polarity Protein Crumbs and the Actin-binding Protein Moesin. Journal of Biological Chemistry, 2015, 290, 11384-11392.	1.6	53
535	Microenvironment, tumor cell plasticity, and cancer. Current Opinion in Oncology, 2015, 27, 64-70.	1.1	50
536	Cell Mechanosensitivity to Extremely Low-Magnitude Signals Is Enabled by a LINCed Nucleus. Stem Cells, 2015, 33, 2063-2076.	1.4	122
537	Nuclear mechanotransduction: Forcing the nucleus to respond. Nucleus, 2015, 6, 19-22.	0.6	60
538	Aerobic glycolysis tunes <scp>YAP</scp> / <scp>TAZ</scp> transcriptional activity. EMBO Journal, 2015, 34, 1349-1370.	3.5	306
539	Emerging properties of adhesion complexes: what are they and what do they do?. Trends in Cell Biology, 2015, 25, 388-397.	3.6	101
540	The Hippo pathway promotes cell survival in response to chemical stress. Cell Death and Differentiation, 2015, 22, 1526-1539.	5.0	22
541	The Hippo Pathway in Heart Development, Regeneration, and Diseases. Circulation Research, 2015, 116, 1431-1447.	2.0	178
542	Size control: the developmental physiology of body and organ size regulation. Wiley Interdisciplinary Reviews: Developmental Biology, 2015, 4, 335-356.	5.9	71
543	Actin remodelling factors control ciliogenesis by regulating YAP/TAZ activity and vesicle trafficking. Nature Communications, 2015, 6, 6781.	5.8	151
544	Th17 Cell Induction by Adhesion of Microbes to Intestinal Epithelial Cells. Cell, 2015, 163, 367-380.	13.5	846
545	Mechanotransduction's Impact on Animal Development, Evolution, and Tumorigenesis. Annual Review of Cell and Developmental Biology, 2015, 31, 373-397.	4.0	58
546	Molecular-Scale Tools for Studying Mechanotransduction. Annual Review of Biomedical Engineering, 2015, 17, 287-316.	5.7	24
547	Substrate Coupling Strength of Integrin-Binding Ligands Modulates Adhesion, Spreading, and Differentiation of Human Mesenchymal Stem Cells. Nano Letters, 2015, 15, 6592-6600.	4.5	43
548	Membrane-to-Nucleus Signals and Epigenetic Mechanisms for Myofibroblastic Activation and Desmoplastic Stroma: Potential Therapeutic Targets for Liver Metastasis?. Molecular Cancer Research, 2015, 13, 604-612.	1.5	41

#	Article	IF	Citations
549	The mechanical microenvironment in cancer: How physics affects tumours. Seminars in Cancer Biology, 2015, 35, 62-70.	4.3	107
550	Targeting the Central Pocket in Human Transcription Factor TEAD as a Potential Cancer Therapeutic Strategy. Structure, 2015, 23, 2076-2086.	1.6	146
551	Signs of stress on soft surfaces. Journal of Cell Communication and Signaling, 2015, 9, 305-307.	1.8	9
552	Hippo Pathway in Organ Size Control, Tissue Homeostasis, and Cancer. Cell, 2015, 163, 811-828.	13.5	1,716
553	The forces behind EMT and tumor metastasis. Cell Cycle, 2015, 14, 2387-2388.	1.3	33
554	The cytolinker plectin regulates nuclear mechanotransduction in keratinocytes. Journal of Cell Science, 2015, 128, 4475-86.	1.2	37
555	The Human Adenovirus Type 5 E4orf4 Protein Targets Two Phosphatase Regulators of the Hippo Signaling Pathway. Journal of Virology, 2015, 89, 8855-8870.	1.5	10
556	Cell shape and the microenvironment regulate nuclear translocation of <scp>NF</scp>â€ºB in breast epithelial and tumor cells. Molecular Systems Biology, 2015, 11, 790.	3.2	122
557	Crumbs3-Mediated Polarity Directs Airway Epithelial Cell Fate through the Hippo Pathway Effector Yap. Developmental Cell, 2015, 34, 283-296.	3.1	130
558	Organ Size Control: Lessons from Drosophila. Developmental Cell, 2015, 34, 255-265.	3.1	124
559	Genome-wide association between YAP/TAZ/TEAD andÂAP-1 at enhancers drives oncogenic growth. Nature Cell Biology, 2015, 17, 1218-1227.	4.6	865
560	Lats1 Deletion Causes Increased Germ Cell Apoptosis and Follicular Cysts in Mouse Ovaries1. Biology of Reproduction, 2015, 93, 22.	1.2	31
561	Connections between cadherin-catenin proteins, spindle misorientation, and cancer. Tissue Barriers, 2015, 3, e1045684.	1.6	6
562	A miR-130a-YAP positive feedback loop promotes organ size and tumorigenesis. Cell Research, 2015, 25, 997-1012.	5.7	84
563	MST kinases in development and disease. Journal of Cell Biology, 2015, 210, 871-882.	2.3	138
564	YAP and TAZ Take Center Stage in Cancer. Biochemistry, 2015, 54, 6555-6566.	1.2	73
566	The matrix protein Fibulin-5 is at the interface of tissue stiffness and inflammation in fibrosis. Nature Communications, 2015, 6, 8574.	5.8	64
567	YAP1 Is a Driver of Myofibroblast Differentiation in Normal and Diseased Fibroblasts. American Journal of Pathology, 2015, 185, 3326-3337.	1.9	106

#	Article	IF	Citations
568	Hippo and TGF-Î² interplay in the lung field. American Journal of Physiology - Lung Cellular and Molecular Physiology, 2015, 309, L756-L767.	1.3	74
569	Matrix-Stiffnessâ€“Regulated Inverse Expression of KrÃ¼ppel-Like Factor 5 and KrÃ¼ppel-Like Factor 4 in the Pathogenesis of Renal Fibrosis. American Journal of Pathology, 2015, 185, 2468-2481.	1.9	40
570	MAP4K family kinases act in parallel to MST1/2 to activate LATS1/2 in the Hippo pathway. Nature Communications, 2015, 6, 8357.	5.8	388
571	Differential basal-to-apical accessibility of laminÂA/C epitopes in the nuclear lamina regulated by changes in cytoskeletal tension. Nature Materials, 2015, 14, 1252-1261.	13.3	142
572	Obesity-dependent changes in interstitial ECM mechanics promote breast tumorigenesis. Science Translational Medicine, 2015, 7, 301ra130.	5.8	252
573	Rho-Signaling-Directed YAP/TAZ Activity Underlies the Long-Term Survival and Expansion of Human Embryonic Stem Cells. Cell Stem Cell, 2015, 17, 448-461.	5.2	151
574	miR-206 Mediates YAP-Induced Cardiac Hypertrophy and Survival. Circulation Research, 2015, 117, 891-904.	2.0	133
575	Competing to coordinate cell fate decisions: the MST2-Raf-1 signaling device. Cell Cycle, 2015, 14, 189-199.	1.3	23
576	Identification of Happyhour/MAP4K as Alternative Hpo/Mst-like Kinases in the Hippo Kinase Cascade. Developmental Cell, 2015, 34, 642-655.	3.1	172
577	Microenvironment rigidity modulates responses to the HER2 receptor tyrosine kinase inhibitor lapatinib via YAP and TAZ transcription factors. Molecular Biology of the Cell, 2015, 26, 3946-3953.	0.9	126
578	Towards understanding the roles of position and geometry on cell fate decisions during preimplantation development. Seminars in Cell and Developmental Biology, 2015, 47-48, 74-79.	2.3	20
579	Identification of a novel actin-dependent signal transducing module allows for the targeted degradation of GLI1. Nature Communications, 2015, 6, 8023.	5.8	59
580	Down-regulation of LATS kinases alters p53 to promote cell migration. Genes and Development, 2015, 29, 2325-2330.	2.7	68
581	Viral activation of stress-regulated Rho-GTPase signaling pathway disrupts sites of mRNA degradation to influence cellular gene expression. Small GTPases, 2015, 6, 178-185.	0.7	10
582	Concise Review: Growing Hearts in the Right Place: On the Design of Biomimetic Materials for Cardiac Stem Cell Differentiation. Stem Cells, 2015, 33, 1021-1035.	1.4	26
583	Hippo signaling in stress response and homeostasis maintenance. Acta Biochimica Et Biophysica Sinica, 2015, 47, 2-9.	0.9	44
584	Mechanosignaling through YAP and TAZ drives fibroblast activation and fibrosis. American Journal of Physiology - Lung Cellular and Molecular Physiology, 2015, 308, L344-L357.	1.3	570
585	Mechanotransduction map: simulation model, molecular pathway, gene set. Bioinformatics, 2015, 31, 1053-1059.	1.8	6

#	Article	IF	Citations
586	Extracellular matrix elasticity and topography: Materialâ€based cues that affect cell function via conserved mechanisms. Journal of Biomedical Materials Research - Part A, 2015, 103, 1246-1258.	2.1	158
587	Hippo pathway in mammary gland development and breast cancer. Acta Biochimica Et Biophysica Sinica, 2015, 47, 53-59.	0.9	61
588	Intraovarian Control of Early Folliculogenesis. Endocrine Reviews, 2015, 36, 1-24.	8.9	516
589	Hippo Pathway Regulation of Gastrointestinal Tissues. Annual Review of Physiology, 2015, 77, 201-227.	5.6	103
590	Global Deletion of Ankrd1 Results in a Wound-Healing Phenotype Associated with Dermal Fibroblast Dysfunction. American Journal of Pathology, 2015, 185, 96-109.	1.9	28
591	Neural Crest Specification by Inhibition of the ROCK/Myosin II Pathway. Stem Cells, 2015, 33, 674-685.	1.4	33
592	Genomic Instability and Cancer Metastasis. Cancer Metastasis - Biology and Treatment, 2015, , .	0.1	1
593	Substrate stiffness and oxygen availability as regulators of mesenchymal stem cell differentiation within a mechanically loaded bone chamber. Biomechanics and Modeling in Mechanobiology, 2015, 14, 93-105.	1.4	12
594	The mammalian Hippo pathway: regulation and function of YAP1 and TAZ. Cellular and Molecular Life Sciences, 2015, 72, 285-306.	2.4	93
595	The Rho Kinases: Critical Mediators of Multiple Profibrotic Processes and Rational Targets for New Therapies for Pulmonary Fibrosis. Pharmacological Reviews, 2015, 67, 103-117.	7.1	161
596	Non-channel mechanosensors working at focal adhesion-stress fiber complex. Pflugers Archiv European Journal of Physiology, 2015, 467, 141-155.	1.3	14
597	Kaposi sarcoma-associated herpesvirus promotes tumorigenesis by modulating the Hippo pathway. Oncogene, 2015, 34, 3536-3546.	2.6	64
598	Mst1 positively regulates B-cell receptor signaling via CD19 transcriptional levels. Blood Advances, 2016, 1, 219-230.	2.5	27
599	Structural Mechanisms and Drug Discovery Prospects of Rho GTPases. Cells, 2016, 5, 26.	1.8	29
600	Hippo signaling interactions with Wnt/Î²-catenin and Notch signaling repress liver tumorigenesis. Journal of Clinical Investigation, 2016, 127, 137-152.	3.9	190
601	History and progression of Fat cadherins in health and disease. OncoTargets and Therapy, 2016, Volume 9, 7337-7343.	1.0	42
602	Targeting the Hippo Signaling Pathway for Tissue Regeneration and Cancer Therapy. Genes, 2016, 7, 55.	1.0	57
603	Stem Cells for Bone Regeneration: Role of Trophic Factors. , 0, , .		1

#	Article	IF	Citations
604	Fibrosis. , 2016, , 293-314.		0
605	Nano- and microstructured materials for in vitro studies of the physiology of vascular cells. Beilstein Journal of Nanotechnology, 2016, 7, 1620-1641.	1.5	38
606	Prognostic value of the Hippo pathway transcriptional coactivators YAP/TAZ and Î²1-integrin in conventional osteosarcoma. Oncotarget, 2016, 7, 64702-64710.	0.8	52
607	miR-509-3p is clinically significant and strongly attenuates cellular migration and multi-cellular spheroids in ovarian cancer. Oncotarget, 2016, 7, 25930-25948.	0.8	49
608	Emerging role of Hippo pathway in gastric and other gastrointestinal cancers. World Journal of Gastroenterology, 2016, 22, 1279.	1.4	62
609	Mechanoregulation of Wound Healing and Skin Homeostasis. BioMed Research International, 2016, 2016, 1-13.	0.9	55
610	Methylglyoxal, a glycolysis side-product, induces Hsp90 glycation and YAP-mediated tumor growth and metastasis. ELife, 2016, 5, .	2.8	100
611	Effect of YAP1 silencing on esophageal cancer. OncoTargets and Therapy, 2016, 9, 3137.	1.0	31
612	Modulating the Substrate Stiffness to Manipulate Differentiation of Resident Liver Stem Cells and to Improve the Differentiation State of Hepatocytes. Stem Cells International, 2016, 2016, 1-12.	1.2	66
613	Modulation of Oligodendrocyte Differentiation by Mechanotransduction. Frontiers in Cellular Neuroscience, 2016, 10, 277.	1.8	25
614	The Regulation of Cellular Responses to Mechanical Cues by Rho GTPases. Cells, 2016, 5, 17.	1.8	85
615	Under Pressure: Mechanical Stress Management in the Nucleus. Cells, 2016, 5, 27.	1.8	50
616	Controlling Cell Functions and Fate with Surfaces and Hydrogels: The Role of Material Features in Cell Adhesion and Signal Transduction. Gels, 2016, 2, 12.	2.1	21
617	Hydrogels as Extracellular Matrix Analogs. Gels, 2016, 2, 20.	2.1	64
618	Willing to Be Involved in Cancer. Genes, 2016, 7, 37.	1.0	8
619	Tension in Cancer. International Journal of Molecular Sciences, 2016, 17, 1910.	1.8	15
620	Potential Mechanistic Links Between Aging and IPF. , 2016, , 409-429.		0
621	Biochemical and Cellular Determinants of Renal Glomerular Elasticity. PLoS ONE, 2016, 11, e0167924.	1.1	30

#	Article	IF	Citations
622	Targeting Mechanotransduction at the Transcriptional Level: YAP and BRD4 Are Novel Therapeutic Targets for the Reversal of Liver Fibrosis. Frontiers in Pharmacology, 2016, 7, 462.	1.6	40
623	YAP-Mediated Mechanotransduction in Skeletal Muscle. Frontiers in Physiology, 2016, 7, 41.	1.3	98
624	Mechanical Regulation and Maintenance of Organismal Homeostasis - Scientific Basis for Health Promotion by Physical Motility and Exercise. Juntendo Medical Journal, 2016, 62, 50-56.	0.1	0
625	Increasing Î²-catenin/Wnt3A activity levels drive mechanical strain-induced cell cycle progression through mitosis. ELife, 2016, 5, .	2.8	39
626	Analysis of the hippo transducers TAZ and YAP in cervical cancer and its microenvironment. OncoImmunology, 2016, 5, e1160187.	2.1	30
627	<scp>ABCG</scp>2 deficiency in skin impairs reâ€epithelialization in cutaneous wound healing. Experimental Dermatology, 2016, 25, 355-361.	1.4	4
628	RhoA deficiency disrupts podocyte cytoskeleton and induces podocyte apoptosis by inhibiting YAP/dendrin signal. BMC Nephrology, 2016, 17, 66.	0.8	24
629	Transformation by Polyomavirus Middle T Antigen Involves a Unique Bimodal Interaction with the Hippo Effector YAP. Journal of Virology, 2016, 90, 7032-7045.	1.5	13
630	Designing Visible Lightâ€Cured Thiolâ€Acrylate Hydrogels for Studying the HIPPO Pathway Activation in Hepatocellular Carcinoma Cells. Macromolecular Bioscience, 2016, 16, 496-507.	2.1	19
631	A newly identified mechanism involved in regulation of human mesenchymal stem cells by fibrous substrate stiffness. Acta Biomaterialia, 2016, 42, 247-257.	4.1	46
632	Dendritic cells in remodeling of lymph nodes during immune responses. Immunological Reviews, 2016, 271, 221-229.	2.8	30
633	Onâ€chip assessment of human primary cardiac fibroblasts proliferative responses to uniaxial cyclic mechanical strain. Biotechnology and Bioengineering, 2016, 113, 859-869.	1.7	50
634	Direct influence of culture dimensionality on human mesenchymal stem cell differentiation at various matrix stiffnesses using a fibrous selfâ€assembling peptide hydrogel. Journal of Biomedical Materials Research - Part A, 2016, 104, 2356-2368.	2.1	53
635	YAP and ERK mediated mechanical strainâ€induced cell cycle progression through RhoA and cytoskeletal dynamics in rat growth plate chondrocytes. Journal of Orthopaedic Research, 2016, 34, 1121-1129.	1.2	23
636	Gtf2ird1-Dependent Mohawk Expression Regulates Mechanosensing Properties of the Tendon. Molecular and Cellular Biology, 2016, 36, 1297-1309.	1.1	42
637	Nephrin Suppresses Hippo Signaling through the Adaptor Proteins Nck and WTIP. Journal of Biological Chemistry, 2016, 291, 12799-12808.	1.6	18
638	YAP/TAZ as therapeutic targets in cancer. Current Opinion in Pharmacology, 2016, 29, 26-33.	1.7	174
639	Thromboxane A2 Activates YAP/TAZ Protein to Induce Vascular Smooth Muscle Cell Proliferation and Migration. Journal of Biological Chemistry, 2016, 291, 18947-18958.	1.6	88

#	Article	IF	Citations
640	Mimicking Tissue Boundaries by Sharp Multiparameter Matrix Interfaces. Advanced Healthcare Materials, 2016, 5, 1861-1867.	3.9	22
641	Context-dependent switch in chemo/mechanotransduction via multilevel crosstalk among cytoskeleton-regulated MRTF and TAZ and TGFÎ²-regulated Smad3. Nature Communications, 2016, 7, 11642.	5.8	104
642	LncBRM initiates YAP1 signalling activation to drive self-renewal of liver cancer stem cells. Nature Communications, 2016, 7, 13608.	5.8	239
643	Relationship between nanotopographical alignment and stem cell fate with live imaging and shape analysis. Scientific Reports, 2016, 6, 37909.	1.6	54
644	Morphological and Mechanical Properties of Osteosarcoma Microenvironment Cells Explored by Atomic Force Microscopy. Analytical Sciences, 2016, 32, 1177-1182.	0.8	21
645	Control of myofibroblast differentiation and function by cytoskeletal signaling. Biochemistry (Moscow), 2016, 81, 1698-1708.	0.7	17
646	Wide and high resolution tension measurement using FRET in embryo. Scientific Reports, 2016, 6, 28535.	1.6	37
647	Gradients in pore size enhance the osteogenic differentiation of human mesenchymal stromal cells in three-dimensional scaffolds. Scientific Reports, 2016, 6, 22898.	1.6	147
648	Extracellular matrix stiffness dictates Wnt expression through integrin pathway. Scientific Reports, 2016, 6, 20395.	1.6	155
649	Disease implication of hyper-Hippo signalling. Open Biology, 2016, 6, 160119.	1.5	30
650	The Hippo pathway member YAP enhances human neural crest cell fate and migration. Scientific Reports, 2016, 6, 23208.	1.6	84
652	Framework to function: mechanosensitive regulators of gene transcription. Cellular and Molecular Biology Letters, 2016, 21, 28.	2.7	62
653	Stiffening hydrogels for investigating the dynamics of hepatic stellate cell mechanotransduction during myofibroblast activation. Scientific Reports, 2016, 6, 21387.	1.6	176
654	Tumour-suppressor microRNAs regulate ovarian cancer cell physical properties and invasive behaviour. Open Biology, 2016, 6, 160275.	1.5	29
655	Role of Angiomotinâ€like 2 monoâ€ubiquitination on YAP inhibition. EMBO Reports, 2016, 17, 64-78.	2.0	46
656	A turbulent path to plaque formation. Nature, 2016, 540, 531-532.	13.7	19
657	Discriminating the Independent Influence of Cell Adhesion and Spreading Area on Stem Cell Fate Determination Using Micropatterned Surfaces. Scientific Reports, 2016, 6, 28708.	1.6	53
658	DLG5 connects cell polarity and Hippo signaling protein networks by linking PAR-1 with MST1/2. Genes and Development, 2016, 30, 2696-2709.	2.7	67

#	Article	IF	Citations
660	The Hippo Pathway. , 2016, , 99-106.		0
661	ZO-2 silencing induces renal hypertrophy through a cell cycle mechanism and the activation of YAP and the mTOR pathway. Molecular Biology of the Cell, 2016, 27, 1581-1595.	0.9	45
662	Converging and Unique Mechanisms of Mechanotransduction at Adhesion Sites. Trends in Cell Biology, 2016, 26, 612-623.	3.6	63
663	Signal transduction of the physical environment in the neural differentiation of stem cells. Technology, 2016, 04, 1-8.	1.4	13
664	The characterisation of LATS2 kinase regulation in Hippo-YAP signalling. Cellular Signalling, 2016, 28, 488-497.	1.7	59
665	SETD7 Controls Intestinal Regeneration and Tumorigenesis by Regulating Wnt/Î²-Catenin and Hippo/YAP Signaling. Developmental Cell, 2016, 37, 47-57.	3.1	87
666	Tankyrase Inhibitor Sensitizes Lung Cancer Cells to Endothelial Growth Factor Receptor (EGFR) Inhibition via Stabilizing Angiomotins and Inhibiting YAP Signaling. Journal of Biological Chemistry, 2016, 291, 15256-15266.	1.6	63
667	Biochemical and biomechanical drivers of cancer cell metastasis, drug response and nanomedicine. Drug Discovery Today, 2016, 21, 1489-1494.	3.2	17
668	Mechanobiology of TGFÎ² signaling in the skeleton. Matrix Biology, 2016, 52-54, 413-425.	1.5	42
669	Introducing STRaNDs: shuttling transcriptional regulators that are non-DNA binding. Nature Reviews Molecular Cell Biology, 2016, 17, 523-532.	16.1	16
670	Mimicking natural cell environments: design, fabrication and application of bio-chemical gradients on polymeric biomaterial substrates. Journal of Materials Chemistry B, 2016, 4, 4244-4257.	2.9	37
671	Mechanotransduction and nuclear function. Current Opinion in Cell Biology, 2016, 40, 98-105.	2.6	86
672	miR-135b, upregulated in breast cancer, promotes cell growth and disrupts the cell cycle by regulating LATS2. International Journal of Oncology, 2016, 48, 1997-2006.	1.4	59
673	Hippo/Yap Signaling in Cardiac Development and Regeneration. Current Treatment Options in Cardiovascular Medicine, 2016, 18, 38.	0.4	45
674	Enhanced Differentiation of Human Embryonic Stem Cells Toward Definitive Endoderm on Ultrahigh Aspect Ratio Nanopillars. Advanced Functional Materials, 2016, 26, 815-823.	7.8	38
675	Mechanical signals regulate and activate SNAIL1 protein to control the fibrogenic response of CAFs. Journal of Cell Science, 2016, 129, 1989-2002.	1.2	57
676	Regenerative Medicine - from Protocol to Patient. , 2016, , .		1
677	Genotype tunes pancreatic ductal adenocarcinoma tissue tension to induce matricellular fibrosis and tumor progression. Nature Medicine, 2016, 22, 497-505.	15.2	456

#	Article	IF	Citations
678	Capturing extracellular matrix properties inÂvitro: Microengineering materials to decipher cell and tissue level processes. Experimental Biology and Medicine, 2016, 241, 930-938.	1.1	25
679	Single cell rigidity sensing: A complex relationship between focal adhesion dynamics and large-scale actin cytoskeleton remodeling. Cell Adhesion and Migration, 2016, 10, 554-567.	1.1	47
680	Downregulation of YAP-dependent Nupr1 promotes tumor-repopulating cell growth in soft matrices. Oncogenesis, 2016, 5, e220-e220.	2.1	30
681	Mechanical regulation of a molecular clutch defines force transmission and transduction in response to matrix rigidity. Nature Cell Biology, 2016, 18, 540-548.	4.6	582
682	Effects of substrate stiffness and cell-cell contact on mesenchymal stem cell differentiation. Biomaterials, 2016, 98, 184-191.	5.7	205
683	Integrating concepts of material mechanics, ligand chemistry, dimensionality and degradation to control differentiation of mesenchymal stem cells. Current Opinion in Solid State and Materials Science, 2016, 20, 171-179.	5.6	28
684	Cross talk between the cytoplasm and nucleus during development and disease. Current Opinion in Genetics and Development, 2016, 37, 129-136.	1.5	12
685	Yes-associated protein (YAP) signaling regulates lipopolysaccharide-induced tissue factor expression in human endothelial cells. Surgery, 2016, 159, 1436-1448.	1.0	23
686	The Hippo pathway in intestinal regeneration and disease. Nature Reviews Gastroenterology and Hepatology, 2016, 13, 324-337.	8.2	204
687	Hijacking GPCRs by viral pathogens and tumor. Biochemical Pharmacology, 2016, 114, 69-81.	2.0	27
688	Endothelial Cell Responses to Biomechanical Forces in Lymphatic Vessels. Antioxidants and Redox Signaling, 2016, 25, 451-465.	2.5	43
689	The molecular clutch model for mechanotransduction evolves. Nature Cell Biology, 2016, 18, 459-461.	4.6	73
690	Breast Cancer: A Molecular and Redox Snapshot. Antioxidants and Redox Signaling, 2016, 25, 337-370.	2.5	16
691	Characteristics of three-dimensional prospectively isolated mouse bone marrow mesenchymal stem/stromal cell aggregates on nanoculture plates. Cell and Tissue Research, 2016, 366, 113-127.	1.5	7
692	Mechano-reciprocity is maintained between physiological boundaries by tuning signal flux through the Rho-associated protein kinase. Small GTPases, 2016, 7, 139-146.	0.7	25
693	Multiple Mechanisms Cooperate to Constitutively Exclude the Transcriptional Co-Activator YAP from the Nucleus During Murine Oogenesis1. Biology of Reproduction, 2016, 94, 102.	1.2	19
694	HIPPOâ€“Integrin-linked Kinase Cross-Talk Controls Self-Sustaining Proliferation and Survival in Pulmonary Hypertension. American Journal of Respiratory and Critical Care Medicine, 2016, 194, 866-877.	2.5	98
695	Titanium nanotubes induce osteogenic differentiation through the FAK/RhoA/YAP cascade. RSC Advances, 2016, 6, 44062-44069.	1.7	22

#	Article	IF	Citations
696	Gradually softening hydrogels for modeling hepatic stellate cell behavior during fibrosis regression. Integrative Biology (United Kingdom), 2016, 8, 720-728.	0.6	72
697	The Hippo signal transduction network for exercise physiologists. Journal of Applied Physiology, 2016, 120, 1105-1117.	1.2	32
698	Nanotopography promoted neuronal differentiation of human induced pluripotent stem cells. Colloids and Surfaces B: Biointerfaces, 2016, 148, 49-58.	2.5	111
699	High content image analysis of focal adhesion-dependent mechanosensitive stem cell differentiation. Integrative Biology (United Kingdom), 2016, 8, 1049-1058.	0.6	21
700	VE-cadherin complex plasticity: EPS8 and YAP play relay at adherens junctions. Tissue Barriers, 2016, 4, e1232024.	1.6	4
701	Methods for Implant Acceptance and Wound Healing: Material Selection and Implant Location Modulate Macrophage and Fibroblast Phenotypes. Advanced Healthcare Materials, 2016, 5, 2575-2594.	3.9	60
702	The bodyâ€™s tailored suit: Skin as a mechanical interface. European Journal of Cell Biology, 2016, 95, 475-482.	1.6	7
703	Actin remodeling confers <scp>BRAF</scp> inhibitor resistance to melanoma cells through <scp>YAP</scp>/<scp>TAZ</scp> activation. EMBO Journal, 2016, 35, 462-478.	3.5	201
704	Soft Material Approach to Induce Oxidative Stress in Mesenchymal Stem Cells for Functional Tissue Repair. ACS Applied Materials & Interfaces, 2016, 8, 26591-26599.	4.0	38
705	Looking Beyond the Genes. Current Topics in Developmental Biology, 2016, 119, 227-290.	1.0	8
706	Flow-dependent YAP/TAZ activities regulate endothelial phenotypes and atherosclerosis. Proceedings of the National Academy of Sciences of the United States of America, 2016, 113, 11525-11530.	3.3	323
707	Inhibition of YAP/TAZ Activity in Spinal Cord Suppresses Neuropathic Pain. Journal of Neuroscience, 2016, 36, 10128-10140.	1.7	25
708	AJUBA LIM Proteins Limit Hippo Activity in Proliferating Cells by Sequestering the Hippo Core Kinase Complex in the Cytosol. Molecular and Cellular Biology, 2016, 36, 2526-2542.	1.1	50
709	Integrins as architects of cell behavior. Molecular Biology of the Cell, 2016, 27, 2885-2888.	0.9	39
710	Depot specific differences in the adipogenic potential of precursors are mediated by collagenous extracellular matrix and Flotillin 2Âdependent signaling. Molecular Metabolism, 2016, 5, 937-947.	3.0	29
711	Myocardin-related transcription factor A (MRTFA) regulates the fate of bone marrow mesenchymal stem cells and its absence in mice leads to osteopenia. Molecular Metabolism, 2016, 5, 970-979.	3.0	25
712	Modeling of the mechano-chemical behaviour of the nuclear pore complex: current research and perspectives. Integrative Biology (United Kingdom), 2016, 8, 1011-1021.	0.6	12
713	Optogenetic Control of Protein Function: From Intracellular Processes to Tissue Morphogenesis. Trends in Cell Biology, 2016, 26, 864-874.	3.6	63

#	Article	IF	Citations
714	MAPK-Mediated YAP Activation Controls Mechanical-Tension-Induced Pulmonary Alveolar Regeneration. Cell Reports, 2016, 16, 1810-1819.	2.9	178
715	BET bromodomain is a novel regulator of TAZ and its activity. Biochimica Et Biophysica Acta - Gene Regulatory Mechanisms, 2016, 1859, 1527-1537.	0.9	13
716	Acetylation of VGLL4 Regulates Hippo-YAP Signaling and Postnatal Cardiac Growth. Developmental Cell, 2016, 39, 466-479.	3.1	86
717	Extracellular matrix stiffness causes systematic variations in proliferation and chemosensitivity in myeloid leukemias. Proceedings of the National Academy of Sciences of the United States of America, 2016, 113, 12126-12131.	3.3	119
718	Snail/Slug binding interactions with YAP/TAZ control skeletal stem cell self-renewal and differentiation. Nature Cell Biology, 2016, 18, 917-929.	4.6	175
719	Asymmetric division of contractile domains couples cell positioning and fate specification. Nature, 2016, 536, 344-348.	13.7	303
720	Genetic variations in the Hippo signaling pathway and breast cancer risk in African American women in the AMBER Consortium. Carcinogenesis, 2016, 37, 951-956.	1.3	20
721	Mouse Embryo Compaction. Current Topics in Developmental Biology, 2016, 120, 235-258.	1.0	40
723	The roles of the Hippo pathway in cancer metastasis. Cellular Signalling, 2016, 28, 1761-1772.	1.7	93
724	YAP and TAZ in epithelial stem cells: A sensor for cell polarity, mechanical forces and tissue damage. BioEssays, 2016, 38, 644-653.	1.2	81
725	The Hippo effector <scp>TAZ</scp> (<scp>WWTR1</scp>) transforms myoblasts and TAZ abundance is associated with reduced survival in embryonal rhabdomyosarcoma. Journal of Pathology, 2016, 240, 3-14.	2.1	40
726	Proteomic analysis of integrinâ€associated complexes from mesenchymal stem cells. Proteomics - Clinical Applications, 2016, 10, 51-57.	0.8	31
727	Concise Review: Plasma and Nuclear Membranes Convey Mechanical Information to Regulate Mesenchymal Stem Cell Lineage. Stem Cells, 2016, 34, 1455-1463.	1.4	32
728	Fibroblast activation in cancer: when seed fertilizes soil. Cell and Tissue Research, 2016, 365, 607-619.	1.5	217
729	IGF-1 deficiency in a critical period early in life influences the vascular aging phenotype in mice by altering miRNA-mediated post-transcriptional gene regulation: implications for the developmental origins of health and disease hypothesis. Age, 2016, 38, 239-258.	3.0	36
730	p66^{Shc} Couples Mechanical Signals to RhoA through Focal Adhesion Kinase-Dependent Recruitment of p115-RhoGEF and GEF-H1. Molecular and Cellular Biology, 2016, 36, 2824-2837.	1.1	22
731	Discoidin Domain Receptors in Health and Disease. , 2016, , .		0
732	Extracellular Matrix Regulation of Stem Cell Behavior. Current Stem Cell Reports, 2016, 2, 197-206.	0.7	166

#	Article	IF	Citations
733	Transcription upregulation via force-induced direct stretching of chromatin. Nature Materials, 2016, 15, 1287-1296.	13.3	458
734	Tunable Crosslinked Cell-Derived Extracellular Matrix Guides Cell Fate. Macromolecular Bioscience, 2016, 16, 1723-1734.	2.1	32
735	The Nuclear Lamina: From Mechanosensing in Differentiation to Cancer Cell Migration. , 2016, , 175-195.		3
736	N-cadherin adhesive interactions modulate matrix mechanosensing and fate commitment of mesenchymal stem cells. Nature Materials, 2016, 15, 1297-1306.	13.3	262
738	Role of Cell Geometry on Nuclear Mechanics, Chromosome Reorganization, and Gene Expression. , 2016, , 197-216.		4
739	Emerging Roles of YAP/TAZ in Mechanobiology. , 2016, , 83-96.		0
740	A feed-forward loop between lncARSR and YAP activity promotes expansion of renal tumour-initiating cells. Nature Communications, 2016, 7, 12692.	5.8	91
741	SRF Co-factors Control the Balance between Cell Proliferation and Contractility. Molecular Cell, 2016, 64, 1048-1061.	4.5	123
742	A critical role for NF2 and the Hippo pathway in branching morphogenesis. Nature Communications, 2016, 7, 12309.	5.8	52
743	How cells respond to environmental cues â€“ insights from bio-functionalized substrates. Journal of Cell Science, 2017, 130, 51-61.	1.2	93
744	Designer matrices for intestinal stem cell and organoid culture. Nature, 2016, 539, 560-564.	13.7	1,027
745	Hippo Signaling in the Heartã€€â€“ Non-Canonical Pathways Impact Growth, Survival and Function â€“. Circulation Journal, 2016, 80, 1504-1510.	0.7	12
746	Regulation of Myocardial Cell Growth and Death by the Hippo Pathway. Circulation Journal, 2016, 80, 1511-1519.	0.7	55
747	Developing a â€˜thick skinâ€™: a paradoxical role for mechanical tension in maintaining epidermal integrity?. Development (Cambridge), 2016, 143, 3249-3258.	1.2	30
748	Sphingosylphosphorylcholine regulates the Hippo signaling pathway in a dual manner. Cellular Signalling, 2016, 28, 1894-1903.	1.7	10
749	Yap is essential for retinal progenitor cell cycle progression and RPE cell fate acquisition in the developing mouse eye. Developmental Biology, 2016, 419, 336-347.	0.9	53
750	Biomechanical relationships between the corneal endothelium and Descemet's membrane. Experimental Eye Research, 2016, 152, 57-70.	1.2	38
751	Nanopattern-induced osteogenic differentiation of stem cells â€“ A systematic review. Acta Biomaterialia, 2016, 46, 3-14.	4.1	127

#	Article	IF	Citations
752	The endothelial E3 ligase HECW2 promotes endothelial cell junctions by increasing AMOTL1 protein stability via K63-linked ubiquitination. Cellular Signalling, 2016, 28, 1642-1651.	1.7	35
753	Reduction of fibroblast size/mechanical force downâ€regulates <scp>TGF</scp> â€Î² type <scp>II</scp> receptor: implications for human skin aging. Aging Cell, 2016, 15, 67-76.	3.0	84
754	Zinc finger protein 191 inhibits hepatocellular carcinoma metastasis through discs large 1â€mediated yesâ€associated protein inactivation. Hepatology, 2016, 64, 1148-1162.	3.6	24
755	Approximating bone ECM: Crosslinking directs individual and coupled osteoblast/osteoclast behavior. Biomaterials, 2016, 103, 22-32.	5.7	28
756	TEAD activity is restrained by MYC and stratifies human breast cancer subtypes. Cell Cycle, 2016, 15, 2551-2556.	1.3	9
757	Geometric control and modeling of genome reprogramming. Bioarchitecture, 2016, 6, 76-84.	1.5	15
758	The effects of acoustic vibration on fibroblast cell migration. Materials Science and Engineering C, 2016, 69, 1256-1262.	3.8	7
759	Spatially patterned matrix elasticity directs stem cell fate. Proceedings of the National Academy of Sciences of the United States of America, 2016, 113, E4439-45.	3.3	184
760	Biophysical Tools for Cellular and Subcellular Mechanical Actuation of Cell Signaling. Biophysical Journal, 2016, 111, 1112-1118.	0.2	25
761	Regulation of TAZ in cancer. Protein and Cell, 2016, 7, 548-561.	4.8	41
762	Engineered Models of Confined Cell Migration. Annual Review of Biomedical Engineering, 2016, 18, 159-180.	5.7	115
763	Dimensionality and spreading influence MSC YAP/TAZ signaling in hydrogel environments. Biomaterials, 2016, 103, 314-323.	5.7	240
764	Dynamic polyrotaxane-coated surface for effective differentiation of mouse induced pluripotent stem cells into cardiomyocytes. RSC Advances, 2016, 6, 35668-35676.	1.7	21
765	MDCK cells expressing constitutively active Yes-associated protein (YAP) undergo apical extrusion depending on neighboring cell status. Scientific Reports, 2016, 6, 28383.	1.6	50
766	Study of corneal epithelial progenitor origin and the Yap1 requirement using keratin 12 lineage tracing transgenic mice. Scientific Reports, 2016, 6, 35202.	1.6	23
767	WIP Drives Tumor Progression through YAP/TAZ-Dependent Autonomous Cell Growth. Cell Reports, 2016, 17, 1962-1977.	2.9	44
768	Modular and Adaptable Tumor Niche Prepared from Visible Light Initiated Thiol-Norbornene Photopolymerization. Biomacromolecules, 2016, 17, 3872-3882.	2.6	50
769	PAK proteins and YAP-1 signalling downstream of integrin beta-1 in myofibroblasts promote liver fibrosis. Nature Communications, 2016, 7, 12502.	5.8	162

#	Article	IF	Citations
770	Integrin-mediated mechanotransduction. Journal of Cell Biology, 2016, 215, 445-456.	2.3	728
771	The 2016 John J. Abel Award Lecture: Targeting the Mechanical Microenvironment in Cancer. Molecular Pharmacology, 2016, 90, 744-754.	1.0	14
772	Deubiquitylating enzyme USP9x regulates hippo pathway activity by controlling angiomotin protein turnover. Cell Discovery, 2016, 2, 16001.	3.1	34
773	Yes-associated protein impacts adherens junction assembly through regulating actin cytoskeleton organization. American Journal of Physiology - Renal Physiology, 2016, 311, G396-G411.	1.6	31
774	Zyxin-Siah2â€“Lats2 axis mediates cooperation between Hippo and TGF-Î² signalling pathways. Nature Communications, 2016, 7, 11123.	5.8	83
775	Normal stroma suppresses cancer cell proliferation via mechanosensitive regulation of JMJD1a-mediated transcription. Nature Communications, 2016, 7, 12237.	5.8	105
776	Yap/Taz transcriptional activity in endothelial cells promotes intramembranous ossification via the BMP pathway. Scientific Reports, 2016, 6, 27473.	1.6	34
777	Myelinating glia differentiation is regulated by extracellular matrix elasticity. Scientific Reports, 2016, 6, 33751.	1.6	91
778	Shikonin regulates C-MYC and GLUT1 expression through the MST1-YAP1-TEAD1 axis. Experimental Cell Research, 2016, 349, 273-281.	1.2	22
779	Topographic confinement of epithelial clusters induces epithelial-to-mesenchymal transition in compliant matrices. Scientific Reports, 2016, 6, 18831.	1.6	49
780	Induction of osteogenic differentiation of osteoblast-like cells MG-63 during cultivation on fibroin microcarriers. Moscow University Biological Sciences Bulletin, 2016, 71, 212-217.	0.1	7
781	Enhanced osteogenic differentiation of MC3T3â€E1 cells on gridâ€topographic surface and evidence for involvement of YAP mediator. Journal of Biomedical Materials Research - Part A, 2016, 104, 1143-1152.	2.1	31
782	<scp>YAP</scp> enhances the proâ€proliferative transcriptional activity of mutant p53 proteins. EMBO Reports, 2016, 17, 188-201.	2.0	154
783	Yap1 is dispensable for selfâ€renewal but required for proper differentiation of mouse embryonic stem () Tj ETQq1 1 0.784314 rgBT /O	2.0	62
784	Roles of Cross-Membrane Transport and Signaling in the Maintenance of Cellular Homeostasis. Cellular and Molecular Bioengineering, 2016, 9, 234-246.	1.0	10
785	Mechanical Control of Epithelial-to-Mesenchymal Transitions in Development and Cancer. Annual Review of Cell and Developmental Biology, 2016, 32, 527-554.	4.0	118
786	Tead and AP1 Coordinate Transcription and Motility. Cell Reports, 2016, 14, 1169-1180.	2.9	181
787	Regulation of Cadherinâ€“Catenin Biology by Mechanical Force and Phosphorylation. , 2016, , 93-114.		2

#	Article	IF	Citations
788	Cellular Organization and Cytoskeletal Regulation of the Hippo Signaling Network. Trends in Cell Biology, 2016, 26, 694-704.	3.6	123
789	YAP and TAZ control peripheral myelination and the expression of laminin receptors in Schwann cells. Nature Neuroscience, 2016, 19, 879-887.	7.1	148
790	A Computational Model of YAP/TAZ Mechanosensing. Biophysical Journal, 2016, 110, 2540-2550.	0.2	61
791	Topographic expression of the Hippo transducers TAZ and YAP in triple-negative breast cancer treated with neoadjuvant chemotherapy. Journal of Experimental and Clinical Cancer Research, 2016, 35, 62.	3.5	24
792	Survival of the Fittest: Essential Roles of Cell Competition in Development, Aging, and Cancer. Trends in Cell Biology, 2016, 26, 776-788.	3.6	121
793	The essential role of inorganic substrate in the migration and osteoblastic differentiation of mesenchymal stem cells. Journal of the Mechanical Behavior of Biomedical Materials, 2016, 59, 353-365.	1.5	12
794	An artificial niche preserves the quiescence of muscle stem cells and enhances their therapeutic efficacy. Nature Biotechnology, 2016, 34, 752-759.	9.4	165
795	Cell Mechanosensitivity Is Enabled by the LINC Nuclear Complex. Current Molecular Biology Reports, 2016, 2, 36-47.	0.8	41
796	Substrate stiffness orchestrates epithelial cellular heterogeneity with controlled proliferative pattern via E-cadherin/Î²-catenin mechanotransduction. Acta Biomaterialia, 2016, 41, 169-180.	4.1	19
797	Yap1 Regulates Multiple Steps of Chondrocyte Differentiation during Skeletal Development and Bone Repair. Cell Reports, 2016, 14, 2224-2237.	2.9	126
798	Raised mammographic density: causative mechanisms and biological consequences. Breast Cancer Research, 2016, 18, 45.	2.2	63
799	YAP/TAZ at the Roots of Cancer. Cancer Cell, 2016, 29, 783-803.	7.7	1,409
800	Photo-induced in situ crosslinking of polymer brushes with dimethyl maleimide moieties for dynamically stimulating stem cell differentiation. Journal of Biomaterials Science, Polymer Edition, 2016, 27, 1331-1340.	1.9	4
801	Computational prediction of strain-dependent diffusion of transcription factors through the cell nucleus. Biomechanics and Modeling in Mechanobiology, 2016, 15, 983-993.	1.4	15
802	Nuclear Lamins in Cancer. Cellular and Molecular Bioengineering, 2016, 9, 258-267.	1.0	95
803	Eradicating tumor drug resistance at its <scp>YAP</scp>â€biomechanical roots. EMBO Journal, 2016, 35, 459-461.	3.5	22
804	Sclerostin Enhances Adipocyte Differentiation in 3T3â€L1 Cells. Journal of Cellular Biochemistry, 2016, 117, 1419-1428.	1.2	71
805	Nanocomposite versus Mesocomposite for Osteogenic Differentiation of Tonsilâ€Derived Mesenchymal Stem Cells. Advanced Healthcare Materials, 2016, 5, 353-363.	3.9	33

#	Article	IF	Citations
806	Human pluripotent stem cell culture density modulates YAP signaling. Biotechnology Journal, 2016, 11, 662-675.	1.8	51
807	Roles of the <scp>H</scp>ippo pathway in lung development and tumorigenesis. International Journal of Cancer, 2016, 138, 533-539.	2.3	64
808	Biomechanical Origins of Muscle Stem Cell Signal Transduction. Journal of Molecular Biology, 2016, 428, 1441-1454.	2.0	22
809	Single-Cell Migration in Complex Microenvironments: Mechanics and Signaling Dynamics. Journal of Biomechanical Engineering, 2016, 138, 021004.	0.6	74
810	Modulation of junction tension by tumor-suppressors and proto-oncogenes regulates cell-cell contacts. Development (Cambridge), 2016, 143, 623-34.	1.2	48
811	RASSF1A Suppresses the Invasion and Metastatic Potential of Human Nonâ€“Small Cell Lung Cancer Cells by Inhibiting YAP Activation through the GEF-H1/RhoB Pathway. Cancer Research, 2016, 76, 1627-1640.	0.4	92
812	Toll Receptor-Mediated Hippo Signaling Controls Innate Immunity in Drosophila. Cell, 2016, 164, 406-419.	13.5	203
813	Matrix dimensionality and stiffness cooperatively regulate osteogenesis of mesenchymal stromal cells. Acta Biomaterialia, 2016, 32, 210-222.	4.1	57
814	The Hippo pathway mediates inhibition of vascular smooth muscle cell proliferation by cAMP. Journal of Molecular and Cellular Cardiology, 2016, 90, 1-10.	0.9	67
815	Microfluidic technology enhances the potential of human pluripotent stem cells. Biochemical and Biophysical Research Communications, 2016, 473, 683-687.	1.0	28
816	Identification of an Endogenously Generated Cryptic Collagen Epitope (XL313) That May Selectively Regulate Angiogenesis by an Integrin Yes-associated Protein (YAP) Mechano-transduction Pathway. Journal of Biological Chemistry, 2016, 291, 2731-2750.	1.6	18
817	Mechanical influence of tissue culture plates and extracellular matrix on mesenchymal stem cell behavior: A topical review. International Journal of Immunopathology and Pharmacology, 2016, 29, 3-8.	1.0	63
818	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
819	Cdc42 deficiency induces podocyte apoptosis by inhibiting the Nwasp/stress fibers/YAP pathway. Cell Death and Disease, 2016, 7, e2142-e2142.	2.7	50
820	Integrin signalling regulates YAP/TAZ to control skin homeostasis. Development (Cambridge), 2016, 143, 1674-87.	1.2	228
821	The LATS2 tumor suppressor inhibits SREBP and suppresses hepatic cholesterol accumulation. Genes and Development, 2016, 30, 786-797.	2.7	78
822	Substrate Fluidity Regulates Cell Adhesion and Morphology on Poly(Îµ-caprolactone)-Based Materials. ACS Biomaterials Science and Engineering, 2016, 2, 446-453.	2.6	34
823	Mechanotransduction through substrates engineering and microfluidic devices. Current Opinion in Chemical Engineering, 2016, 11, 67-76.	3.8	13

#	Article	IF	Citations
824	Autopalmitoylation of TEAD proteins regulates transcriptional output of the Hippo pathway. Nature Chemical Biology, 2016, 12, 282-289.	3.9	190
825	Morphogenetics in brown, beige and white fat development. Adipocyte, 2016, 5, 130-135.	1.3	12
826	3,4-Dihydroxy-L-Phenylalanine as a Novel Covalent Linker of Extracellular Matrix Proteins to Polyacrylamide Hydrogels with a Tunable Stiffness. Tissue Engineering - Part C: Methods, 2016, 22, 91-101.	1.1	17
827	Signaling of extracellular matrices for tissue regeneration and therapeutics. Tissue Engineering and Regenerative Medicine, 2016, 13, 1-12.	1.6	37
828	Analysis of Hippo and TGFÎ² signaling in polarizing epithelial cells and mouse embryos. Differentiation, 2016, 91, 109-118.	1.0	7
829	Mechanotransduction During Vertebrate Neurulation. Current Topics in Developmental Biology, 2016, 117, 359-376.	1.0	16
830	Nanotopography Promotes Pancreatic Differentiation of Human Embryonic Stem Cells and Induced Pluripotent Stem Cells. ACS Nano, 2016, 10, 3342-3355.	7.3	53
831	Wnt-YAP interactions in the neural fate of human pluripotent stem cells and the implications for neural organoid formation. Organogenesis, 2016, 12, 1-15.	0.4	13
832	Surface energy and stiffness discrete gradients in additive manufactured scaffolds for osteochondral regeneration. Biofabrication, 2016, 8, 015014.	3.7	48
833	Impact of the physical microenvironment on tumor progression and metastasis. Current Opinion in Biotechnology, 2016, 40, 41-48.	3.3	437
834	YAP Nuclear Localization in the Absence of Cell-Cell Contact Is Mediated by a Filamentous Actin-dependent, Myosin II- and Phospho-YAP-independent Pathway during Extracellular Matrix Mechanosensing. Journal of Biological Chemistry, 2016, 291, 6096-6110.	1.6	188
835	Fascin 1 promoted the growth and migration of non-small cell lung cancer cells by activating YAP/TEAD signaling. Tumor Biology, 2016, 37, 10909-10915.	0.8	28
836	Hardwiring Stem Cell Communication through Tissue Structure. Cell, 2016, 164, 1212-1225.	13.5	85
837	Gold nanoparticle size and shape influence on osteogenesis of mesenchymal stem cells. Nanoscale, 2016, 8, 7992-8007.	2.8	193
838	The extracellular matrix in breast cancer. Advanced Drug Delivery Reviews, 2016, 97, 41-55.	6.6	329
839	Myocardin-related Transcription Factor Regulates Nox4 Protein Expression. Journal of Biological Chemistry, 2016, 291, 227-243.	1.6	27
840	Conjunctival fibrosis following filtering glaucoma surgery. Experimental Eye Research, 2016, 142, 76-82.	1.2	121
841	Chronic inflammation imposes aberrant cell fate in regenerating epithelia through mechanotransduction. Nature Cell Biology, 2016, 18, 168-180.	4.6	127

#	Article	IF	Citations
842	Dysregulated YAP1/TAZ and TGF-Î² signaling mediate hepatocarcinogenesis in Mob1a/1b -deficient mice. Proceedings of the National Academy of Sciences of the United States of America, 2016, 113, E71-80.	3.3	158
843	The Importance and Clinical Relevance of Surfaces in Tissue Culture. ACS Biomaterials Science and Engineering, 2016, 2, 152-164.	2.6	15
844	Defined three-dimensional microenvironments boost induction of pluripotency. Nature Materials, 2016, 15, 344-352.	13.3	233
845	Pulmonary Arterial Stiffness: Toward a New Paradigm in Pulmonary Arterial Hypertension Pathophysiology and Assessment. Current Hypertension Reports, 2016, 18, 4.	1.5	51
846	Material Cues as Potent Regulators of Epigenetics and Stem Cell Function. Cell Stem Cell, 2016, 18, 39-52.	5.2	222
847	Mechanosensitivity of integrin adhesion complexes: role of the consensus adhesome. Experimental Cell Research, 2016, 343, 7-13.	1.2	76
848	Myocardin-Related Transcription Factor A and Yes-Associated Protein Exert Dual Control in G Protein-Coupled Receptor- and RhoA-Mediated Transcriptional Regulation and Cell Proliferation. Molecular and Cellular Biology, 2016, 36, 39-49.	1.1	82
849	Control of YAP/TAZ Activity by Metabolic and Nutrient-Sensing Pathways. Trends in Cell Biology, 2016, 26, 289-299.	3.6	140
850	Hippo pathway and breast cancer stem cells. Critical Reviews in Oncology/Hematology, 2016, 99, 115-122.	2.0	48
851	Mechanisms of Hippo pathway regulation. Genes and Development, 2016, 30, 1-17.	2.7	1,224
852	Improving Stem Cell Therapeutics with Mechanobiology. Cell Stem Cell, 2016, 18, 16-19.	5.2	30
853	Improvement of diaphragmatic performance through orthotopic application of decellularized extracellular matrix patch. Biomaterials, 2016, 74, 245-255.	5.7	62
854	Mimicking the Microenvironment. Science Policy Reports, 2016, , 31-48.	0.1	0
855	Hydrogels with tunable stress relaxation regulate stem cell fate and activity. Nature Materials, 2016, 15, 326-334.	13.3	1,650
856	Mechanical control of cardiac myofibroblasts. Journal of Molecular and Cellular Cardiology, 2016, 93, 133-142.	0.9	192
857	Surface topography of hydroxyapatite promotes osteogenic differentiation of human bone marrow mesenchymal stem cells. Materials Science and Engineering C, 2016, 60, 45-53.	3.8	76
858	Problems in biology with many scales of length: Cellâ€“cell adhesion and cell jamming in collective cellular migration. Experimental Cell Research, 2016, 343, 54-59.	1.2	32
859	The interplay between centrosomes and the Hippo tumor suppressor pathway. Chromosome Research, 2016, 24, 93-104.	1.0	15

#	Article	IF	Citations
860	Mechanosensing in cellâ€“matrix adhesions â€“ Converting tension into chemical signals. Experimental Cell Research, 2016, 343, 35-41.	1.2	84
861	Review of cellular mechanotransduction on micropost substrates. Medical and Biological Engineering and Computing, 2016, 54, 249-271.	1.6	9
862	Mechanical Forces and Growth in Animal Tissues. Cold Spring Harbor Perspectives in Biology, 2016, 8, a019232.	2.3	130
863	RUNX3 is a novel negative regulator of oncogenic TEADâ€“YAP complex in gastric cancer. Oncogene, 2016, 35, 2664-2674.	2.6	74
864	Stimulation of Bone Repair with Ultrasound. Advances in Experimental Medicine and Biology, 2016, 880, 385-427.	0.8	27
865	Forcing through Tumor Metastasis: The Interplay between Tissue Rigidity and Epithelialâ€“Mesenchymal Transition. Trends in Cell Biology, 2016, 26, 111-120.	3.6	175
866	Role of YAP/TAZ in cell-matrix adhesion-mediated signalling and mechanotransduction. Experimental Cell Research, 2016, 343, 42-53.	1.2	340
867	Control of Proliferation and Cancer Growth by the Hippo Signaling Pathway. Molecular Cancer Research, 2016, 14, 127-140.	1.5	116
868	Relationship between cell stiffness and stress fiber amount, assessed by simultaneous atomic force microscopy and live-cell fluorescence imaging. Biomechanics and Modeling in Mechanobiology, 2016, 15, 511-523.	1.4	117
869	Mechanism of action of a WWTR1(TAZ)-CAMTA1 fusion oncoprotein. Oncogene, 2016, 35, 929-938.	2.6	90
870	Role of Merlin/NF2 inactivation in tumor biology. Oncogene, 2016, 35, 537-548.	2.6	307
871	A ZEB1-miR-375-YAP1 pathway regulates epithelial plasticity in prostate cancer. Oncogene, 2017, 36, 24-34.	2.6	85
872	Mechano-Transduction Signals Derived from Self-Assembling Peptide Nanofibers Containing Long Motif of Laminin Influence Neurogenesis in In-Vitro and In-Vivo. Molecular Neurobiology, 2017, 54, 2483-2496.	1.9	33
873	Autophagy and mechanotransduction in outflow pathway cells. Experimental Eye Research, 2017, 158, 146-153.	1.2	37
874	From morphogen to morphogenesis and back. Nature, 2017, 541, 311-320.	13.7	258
875	Fluid shear stress activates YAP1 to promote cancer cell motility. Nature Communications, 2017, 8, 14122.	5.8	181
876	<scp>YAP</scp> is essential for 3D organogenesis withstanding gravity. Development Growth and Differentiation, 2017, 59, 52-58.	0.6	6
877	Mechanosensing by the nucleus: From pathways to scaling relationships. Journal of Cell Biology, 2017, 216, 305-315.	2.3	301

#	Article	IF	Citations
878	Desmosomes and Intermediate Filaments: Their Consequences for Tissue Mechanics. Cold Spring Harbor Perspectives in Biology, 2017, 9, a029157.	2.3	105
879	Glucocorticoid receptor signalling activates YAP in breast cancer. Nature Communications, 2017, 8, 14073.	5.8	129
880	YAP-mediated mechanotransduction regulates osteogenic and adipogenic differentiation of BMSCs on hierarchical structure. Colloids and Surfaces B: Biointerfaces, 2017, 152, 344-353.	2.5	59
881	Efficient generation of hPSC-derived midbrain dopaminergic neurons in a fully defined, scalable, 3D biomaterial platform. Scientific Reports, 2017, 7, 40573.	1.6	51
882	Snail/Slug-YAP/TAZ complexes cooperatively regulate mesenchymal stem cell function and bone formation. Cell Cycle, 2017, 16, 399-405.	1.3	78
883	Epidermal YAP2-5SA-Î”C Drives Î²-Catenin Activation to Promote Keratinocyte Proliferation in Mouse Skin InÂVivo. Journal of Investigative Dermatology, 2017, 137, 716-726.	0.3	17
884	TGF-Î² Family Signaling in Embryonic and Somatic Stem-Cell Renewal and Differentiation. Cold Spring Harbor Perspectives in Biology, 2017, 9, a022186.	2.3	101
885	Biochemical analysis of force-sensitive responses using a large-scale cell stretch device. Cell Adhesion and Migration, 2017, 11, 504-513.	1.1	1
886	Multiparametric Analysis of Cell Shape Demonstrates that Î²-PIX Directly Couples YAP Activation to Extracellular Matrix Adhesion. Cell Systems, 2017, 4, 84-96.e6.	2.9	55
887	Hippo vs. Crab: tissueâ€specific functions of the mammalian Hippo pathway. Genes To Cells, 2017, 22, 6-31.	0.5	17
888	Compression Induced Chondrogenic Differentiation of Embryonic Stem Cells in Three-Dimensional Polydimethylsiloxane Scaffolds. Tissue Engineering - Part A, 2017, 23, 426-435.	1.6	34
889	Vinculin promotes nuclear localization of TAZ to inhibit ECM stiffness-dependent differentiation into adipocytes. Journal of Cell Science, 2017, 130, 989-1002.	1.2	51
890	Cell mechanics: a dialogue. Reports on Progress in Physics, 2017, 80, 036601.	8.1	36
891	Icariin promotes proliferation and osteogenic differentiation of rat adipose-derived stem cells by activating the RhoA-TAZ signaling pathway. Biomedicine and Pharmacotherapy, 2017, 88, 384-394.	2.5	36
892	Surface geometry of poly(ether imide) boosts mouse pluripotent stem cell spontaneous cardiomyogenesis via modulating the embryoid body formation process. Clinical Hemorheology and Microcirculation, 2017, 64, 367-382.	0.9	2
893	Transcriptomic analyses of the anti-adipogenic effects of oleuropein in human mesenchymal stem cells. Food and Function, 2017, 8, 1254-1270.	2.1	20
894	Identification of the mechanisms by which age alters the mechanosensitivity of mesenchymal stromal cells on substrates of differing stiffness: Implications for osteogenesis and angiogenesis. Acta Biomaterialia, 2017, 53, 59-69.	4.1	38
895	Intra-tumor heterogeneity from a cancer stem cell perspective. Molecular Cancer, 2017, 16, 41.	7.9	533

#	Article	IF	Citations
896	Agrin as a Mechanotransduction Signal Regulating YAP through the Hippo Pathway. Cell Reports, 2017, 18, 2464-2479.	2.9	175
897	YAP and WWTR1: New targets for skin cancer treatment. Cancer Letters, 2017, 396, 30-41.	3.2	24
898	A growing role for the Hippo signaling pathway in the heart. Journal of Molecular Medicine, 2017, 95, 465-472.	1.7	24
899	Magnetically Tuning Tether Mobility of Integrin Ligand Regulates Adhesion, Spreading, and Differentiation of Stem Cells. Nano Letters, 2017, 17, 1685-1695.	4.5	96
900	Mechanoâ€sensitive regulation of gene expression during the embryonic development. Genesis, 2017, 55, e23026.	0.8	16
901	Cellular Response to Surface Topography and Substrate Stiffness. Pancreatic Islet Biology, 2017, , 41-57.	0.1	3
902	RNAi screens for Rho GTPase regulators of cell shape and YAP/TAZ localisation in triple negative breast cancer. Scientific Data, 2017, 4, 170018.	2.4	30
903	Dynamic regulation of nuclear architecture and mechanicsâ€"a rheostatic role for the nucleus in tailoring cellular mechanosensitivity. Nucleus, 2017, 8, 287-300.	0.6	42
904	Pals1 Haploinsufficiency Results in Proteinuria and Cyst Formation. Journal of the American Society of Nephrology: JASN, 2017, 28, 2093-2107.	3.0	33
905	Mutant p53 oncogenic functions in cancer stem cells are regulated by WIP through YAP/TAZ. Oncogene, 2017, 36, 3515-3527.	2.6	69
906	Optogenetic control of cellular forces and mechanotransduction. Nature Communications, 2017, 8, 14396.	5.8	183
907	Endothelin Promotes Colorectal Tumorigenesis by Activating YAP/TAZ. Cancer Research, 2017, 77, 2413-2423.	0.4	63
908	MARK4 inhibits Hippo signaling to promote proliferation and migration of breast cancer cells. EMBO Reports, 2017, 18, 420-436.	2.0	106
909	Superresolution imaging of nanoscale chromosome contacts. Scientific Reports, 2017, 7, 42422.	1.6	11
910	TAZ contributes to pulmonary fibrosis by activating profibrotic functions of lung fibroblasts. Scientific Reports, 2017, 7, 42595.	1.6	84
911	YAP-mediated mechanotransduction determines the podocyteâ€™s response to damage. Science Signaling, 2017, 10, .	1.6	61
912	A Role of BK Channel in Regulation of Ca 2+ Channel in Ventricular Myocytes by Substrate Stiffness. Biophysical Journal, 2017, 112, 1406-1416.	0.2	12
913	Topological defects in epithelia govern cell death and extrusion. Nature, 2017, 544, 212-216.	13.7	511

#	Article	IF	Citations
914	Expression and localization of Yap and Taz during development of the mandibular first molar in rats. Biotechnic and Histochemistry, 2017, 92, 212-221.	0.7	14
915	Targeting ROCK2 rather than ROCK1 inhibits Ewing sarcoma malignancy. Oncology Reports, 2017, 37, 1387-1393.	1.2	12
916	Notch and Hippo signaling converge on Strawberry Notch 1 (Sbno1) to synergistically activate Cdx2 during specification of the trophectoderm. Scientific Reports, 2017, 7, 46135.	1.6	53
917	Cellular Microbiaxial Stretching to Measure a Single-Cell Strain Energy Density Function. Journal of Biomechanical Engineering, 2017, 139, .	0.6	17
918	Actomyosin contractility provokes contact inhibition in E-cadherin-ligated keratinocytes. Scientific Reports, 2017, 7, 46326.	1.6	32
919	Deubiquitinase YOD1 potentiates YAP/TAZ activities through enhancing ITCH stability. Proceedings of the National Academy of Sciences of the United States of America, 2017, 114, 4691-4696.	3.3	56
920	TIAM1 Antagonizes TAZ/YAP Both in the Destruction Complex in the Cytoplasm and in the Nucleus to Inhibit Invasion of Intestinal Epithelial Cells. Cancer Cell, 2017, 31, 621-634.e6.	7.7	73
921	YAP regulates cell mechanics by controlling focal adhesion assembly. Nature Communications, 2017, 8, 15321.	5.8	431
922	Hippo Signaling Suppresses Cell Ploidy and Tumorigenesis through Skp2. Cancer Cell, 2017, 31, 669-684.e7.	7.7	123
923	HER2 Reactivation through Acquisition of the HER2 L755S Mutation as a Mechanism of Acquired Resistance to HER2-targeted Therapy in HER2+ Breast Cancer. Clinical Cancer Research, 2017, 23, 5123-5134.	3.2	85
924	Liquid chromatographyâ€“mass spectrometry-based quantitative proteomics analysis reveals chondroprotective effects of astragaloside IV in interleukin-1Î²-induced SW1353 chondrocyte-like cells. Biomedicine and Pharmacotherapy, 2017, 91, 796-802.	2.5	20
925	Acoustic tweezing cytometry enhances osteogenesis of human mesenchymal stem cells through cytoskeletal contractility and YAP activation. Biomaterials, 2017, 134, 22-30.	5.7	57
926	Low-dose cadmium exposure induces peribronchiolar fibrosis through site-specific phosphorylation of vimentin. American Journal of Physiology - Lung Cellular and Molecular Physiology, 2017, 313, L80-L91.	1.3	28
927	Cell geometry dictates TNFÎ±-induced genome response. Proceedings of the National Academy of Sciences of the United States of America, 2017, 114, E3882-E3891.	3.3	41
928	Targeting YAP in malignant pleural mesothelioma. Journal of Cellular and Molecular Medicine, 2017, 21, 2663-2676.	1.6	55
929	YAP1 negatively regulates chondrocyte differentiation partly by activating the Î²-catenin signaling pathway. International Journal of Biochemistry and Cell Biology, 2017, 87, 104-113.	1.2	38
930	Protein Kinases in Pluripotencyâ€”Beyond the Usual Suspects. Journal of Molecular Biology, 2017, 429, 1504-1520.	2.0	18
931	An FAK-YAP-mTOR Signaling Axis Regulates Stem Cell-Based Tissue Renewal in Mice. Cell Stem Cell, 2017, 21, 91-106.e6.	5.2	176

#	Article	IF	Citations
932	Genome variation across cancers scales with tissue stiffness â€“ An invasion-mutation mechanism and implications for immune cell infiltration. Current Opinion in Systems Biology, 2017, 2, 103-114.	1.3	50
933	Cancer cell motility: lessons from migration in confined spaces. Nature Reviews Cancer, 2017, 17, 131-140.	12.8	465
934	Manganese superoxide dismutase (SOD2): is there a center in the universe of mitochondrial redox signaling?. Journal of Bioenergetics and Biomembranes, 2017, 49, 325-333.	1.0	78
935	Modeling Physiological Events in 2D vs. 3D Cell Culture. Physiology, 2017, 32, 266-277.	1.6	1,069
936	Orientation and repositioning of chromosomes correlate with cell geometryâ€“dependent gene expression. Molecular Biology of the Cell, 2017, 28, 1997-2009.	0.9	94
937	<scp>TAZ</scp> is involved in transcriptional complexes regulating smooth muscle cell differentiation. FEBS Journal, 2017, 284, 1628-1630.	2.2	2
938	Quantifying forces in cell biology. Nature Cell Biology, 2017, 19, 742-751.	4.6	376
939	Biophysical Regulation of Cell Behaviorâ€”Cross Talk between Substrate Stiffness and Nanotopography. Engineering, 2017, 3, 36-54.	3.2	193
940	Yorkie regulates epidermal wound healing in Drosophila larvae independently of cell proliferation and apoptosis. Developmental Biology, 2017, 427, 61-71.	0.9	22
941	Stem cell migration and mechanotransduction on linear stiffness gradient hydrogels. Proceedings of the National Academy of Sciences of the United States of America, 2017, 114, 5647-5652.	3.3	370
942	YAP/TAZ link cell mechanics to Notch signalling to control epidermal stem cell fate. Nature Communications, 2017, 8, 15206.	5.8	225
943	Cadherin composition and multicellular aggregate invasion in organotypic models of epithelial ovarian cancer intraperitoneal metastasis. Oncogene, 2017, 36, 5840-5851.	2.6	57
944	Nanotopological plate stimulates osteogenic differentiation through TAZ activation. Scientific Reports, 2017, 7, 3632.	1.6	23
945	Cellular mechanosensing of the biophysical microenvironment: A review of mathematical models of biophysical regulation of cell responses. Physics of Life Reviews, 2017, 22-23, 88-119.	1.5	67
946	The LATS1 and LATS2 tumor suppressors: beyond the Hippo pathway. Cell Death and Differentiation, 2017, 24, 1488-1501.	5.0	180
947	Common and Distinctive Functions of the Hippo Effectors Taz and Yap in Skeletal Muscle Stem Cell Function. Stem Cells, 2017, 35, 1958-1972.	1.4	93
948	Mechanosensing of matrix by stem cells: From matrix heterogeneity, contractility, and the nucleus in pore-migration to cardiogenesis and muscle stem cells in vivo. Seminars in Cell and Developmental Biology, 2017, 71, 84-98.	2.3	61
949	Directing Stem Cell Differentiation via Electrochemical Reversible Switching between Nanotubes and Nanotips of Polypyrrole Array. ACS Nano, 2017, 11, 5915-5924.	7.3	89

#	Article	IF	Citations
950	Review of cellular mechanotransduction. Journal Physics D: Applied Physics, 2017, 50, 233002.	1.3	104
951	Matrix Mechanosensing: From Scaling Concepts in â€™Omics Data to Mechanisms in the Nucleus, Regeneration, and Cancer. Annual Review of Biophysics, 2017, 46, 295-315.	4.5	89
952	Chemical synthesis of biomimetic hydrogels for tissue engineering. Polymer International, 2017, 66, 1787-1799.	1.6	16
953	YAP Regulates Actin Dynamics through ARHGAP29 and Promotes Metastasis. Cell Reports, 2017, 19, 1495-1502.	2.9	188
954	Collagen Gels with Different Fibrillar Microarchitectures Elicit Different Cellular Responses. ACS Applied Materials & Interfaces, 2017, 9, 19630-19637.	4.0	120
955	The mechanical behavior of skin: Structures and models for the finite element analysis. Computers and Structures, 2017, 190, 75-107.	2.4	101
956	Multiscale force sensing in development. Nature Cell Biology, 2017, 19, 581-588.	4.6	185
957	Engineering in vitro models of hepatofibrogenesis. Advanced Drug Delivery Reviews, 2017, 121, 147-157.	6.6	45
958	â€œBone Developmentâ€•Is an Ontology Group Upregulated in Porcine Oocytes Before In Vitro Maturation: A Microarray Approach. DNA and Cell Biology, 2017, 36, 638-646.	0.9	8
959	Compliant substratum guides endothelial commitment from human pluripotent stem cells. Science Advances, 2017, 3, e1602883.	4.7	47
960	New Bioengineering Breakthroughs and Enabling Tools in Regenerative Medicine. Current Stem Cell Reports, 2017, 3, 83-97.	0.7	5
961	Arl4c is a key regulator of tubulogenesis and tumourigenesis as a target gene of Wntâ€“Î²-catenin and growth factorâ€“Ras signalling. Journal of Biochemistry, 2017, 161, 27-35.	0.9	35
962	Aging of the skeletal muscle extracellular matrix drives a stem cell fibrogenic conversion. Aging Cell, 2017, 16, 518-528.	3.0	172
963	Extracellular matrix in mammary gland development and breast cancer progression. Frontiers in Laboratory Medicine, 2017, 1, 36-39.	1.7	10
964	A genome-wide screen identifies YAP/WBP2 interplay conferring growth advantage on human epidermal stem cells. Nature Communications, 2017, 8, 14744.	5.8	77
965	TopoWellPlate: A Wellâ€Plateâ€Based Screening Platform to Study Cellâ€“Surface Topography Interactions. Advanced Biology, 2017, 1, e1700002.	3.0	16
966	The Hippo Pathway. Current Topics in Developmental Biology, 2017, 123, 181-228.	1.0	60
967	Flow-Dependent Endothelial YAP Regulation Contributes to Vessel Maintenance. Developmental Cell, 2017, 40, 523-536.e6.	3.1	233

#	Article	IF	Citations
968	Pushing Yap into the Nucleus with Shear Force. Developmental Cell, 2017, 40, 517-518.	3.1	8
969	Autophagy: Itâ€™s in Your Blood. Developmental Cell, 2017, 40, 518-520.	3.1	3
970	Immunomodulation effect of a hierarchical macropore/nanosurface on osteogenesis and angiogenesis. Biomedical Materials (Bristol), 2017, 12, 045006.	1.7	29
971	Myofibroblastic activation of valvular interstitial cells is modulated by spatial variations in matrix elasticity and its organization. Biomaterials, 2017, 131, 131-144.	5.7	75
972	Transcriptional responses to hyperplastic MRL signalling in Drosophila. Open Biology, 2017, 7, 160306.	1.5	3
973	New advances in probing cellâ€“extracellular matrix interactions. Integrative Biology (United) Tj ETQq1 1 0.784314 rgBT /Overlock 10	0.8	52
974	Imag(in)ing growth and form. Mechanisms of Development, 2017, 145, 13-21.	1.7	2
975	The physics of organoids: a biophysical approach to understanding organogenesis. Development (Cambridge), 2017, 144, 946-951.	1.2	55
976	Cardiac Regeneration. Circulation Research, 2017, 120, 941-959.	2.0	117
977	Stem Cell Spheroids and Ex Vivo Niche Modeling: Rationalization and Scaling-Up. Journal of Cardiovascular Translational Research, 2017, 10, 150-166.	1.1	30
978	Epithelial Homeostasis: A Piezo of the Puzzle. Current Biology, 2017, 27, R232-R234.	1.8	9
979	Hippo kinases maintain polarity during directional cell migration in Caenorhabditis elegans. EMBO Journal, 2017, 36, 334-345.	3.5	19
980	How cells change shape and position in the early mammalian embryo. Current Opinion in Cell Biology, 2017, 44, 7-13.	2.6	21
981	<scp>MRTF</scp> potentiates <scp>TEAD</scp>â€<scp>YAP</scp> transcriptional activity causing metastasis. EMBO Journal, 2017, 36, 520-535.	3.5	90
982	Flow signaling and atherosclerosis. Cellular and Molecular Life Sciences, 2017, 74, 1835-1858.	2.4	25
983	The Role of Cancer-Associated Fibroblasts and Fibrosis in Liver Cancer. Annual Review of Pathology: Mechanisms of Disease, 2017, 12, 153-186.	9.6	422
984	Tissue mechanics regulate brain development, homeostasis and disease. Journal of Cell Science, 2017, 130, 71-82.	1.2	243
985	Artificial Slanted Nanocilia Array as a Mechanotransducer for Controlling Cell Polarity. ACS Nano, 2017, 11, 730-741.	7.3	22

#	Article	IF	Citations
986	Hippo Signaling in the Liver Regulates Organ Size, Cell Fate, andÂCarcinogenesis. Gastroenterology, 2017, 152, 533-545.	0.6	226
987	Extracellular Matrix Remodeling and Stiffening Modulate Tumor Phenotype and Treatment Response. Annual Review of Cancer Biology, 2017, 1, 313-334.	2.3	101
988	Nerve Growth Factor Promotes Gastric Tumorigenesis through Aberrant Cholinergic Signaling. Cancer Cell, 2017, 31, 21-34.	7.7	332
989	Osmotic stressâ€induced phosphorylation by <scp>NLK</scp> at Ser128 activates <scp>YAP</scp>. EMBO Reports, 2017, 18, 72-86.	2.0	112
990	Phosphorylation by <scp>NLK</scp> inhibits <scp>YAP</scp> â€14â€3â€3â€interactions and induces its nuclear localization. EMBO Reports, 2017, 18, 61-71.	2.0	139
991	Force Triggers YAP Nuclear Entry by Regulating Transport across Nuclear Pores. Cell, 2017, 171, 1397-1410.e14.	13.5	927
992	Cancer-associated fibroblasts support vascular growth through mechanical force. Scientific Reports, 2017, 7, 12574.	1.6	80
993	Regulation of the Hippo-YAP Pathway by Glucose Sensor O-GlcNAcylation. Molecular Cell, 2017, 68, 591-604.e5.	4.5	197
994	Endosomal phosphatidylserine is critical for the YAP signalling pathway in proliferating cells. Nature Communications, 2017, 8, 1246.	5.8	36
995	A CREB-MPP7-AMOT Regulatory Axis Controls Muscle Stem Cell Expansion and Self-Renewal Competence. Cell Reports, 2017, 21, 1253-1266.	2.9	39
996	Î²1 integrinâ€“dependent Rac/group I PAK signaling mediates YAP activation of Yes-associated protein 1 (YAP1) via NF2/merlin. Journal of Biological Chemistry, 2017, 292, 19179-19197.	1.6	91
997	Mechano-Signal Transduction in Mesenchymal Stem Cells Induces Prosaposin Secretion to Drive the Proliferation of Breast Cancer Cells. Cancer Research, 2017, 77, 6179-6189.	0.4	68
998	A p53 Super-tumor Suppressor Reveals a Tumor Suppressive p53-Ptpn14-Yap Axis in Pancreatic Cancer. Cancer Cell, 2017, 32, 460-473.e6.	7.7	142
999	Functional and Biomimetic Materials for Engineering of the Three-Dimensional Cell Microenvironment. Chemical Reviews, 2017, 117, 12764-12850.	23.0	582
1000	Cell plasticity in epithelial homeostasis and tumorigenesis. Nature Cell Biology, 2017, 19, 1133-1141.	4.6	170
1001	Uncovering the effect of low-frequency static magnetic field on tendon-derived cells: from mechanosensing to tenogenesis. Scientific Reports, 2017, 7, 10948.	1.6	13
1002	Cell volume change through water efflux impacts cell stiffness and stem cell fate. Proceedings of the National Academy of Sciences of the United States of America, 2017, 114, E8618-E8627.	3.3	362
1003	Mechanobiology of YAP and TAZ in physiology and disease. Nature Reviews Molecular Cell Biology, 2017, 18, 758-770.	16.1	879

#	Article	IF	Citations
1004	Hydrogel-based microchannels to measure confinement- and stiffness-sensitive Yes-associated-protein activity in epithelial clusters. MRS Communications, 2017, 7, 450-457.	0.8	8
1005	Adaptation trajectories during adhesion and spreading affect future cell states. Scientific Reports, 2017, 7, 12308.	1.6	6
1006	Excitable Dynamics and Yap-Dependent Mechanical Cues Drive the Segmentation Clock. Cell, 2017, 171, 668-682.e11.	13.5	117
1007	Coordination of Morphogenesis and Cell-Fate Specification in Development. Current Biology, 2017, 27, R1024-R1035.	1.8	171
1008	The protective role of YAP1 on ER stress-induced cell death in vascular smooth muscle cells. European Journal of Pharmacology, 2017, 815, 470-477.	1.7	17
1009	Cell contact and pressure control of YAP localization and clustering revealed by super-resolution imaging. Nanoscale, 2017, 9, 16993-17003.	2.8	16
1010	Material Viscoelastic Properties Modulate the Mesenchymal Stem Cell Secretome for Applications in Hematopoietic Recovery. ACS Biomaterials Science and Engineering, 2017, 3, 3292-3306.	2.6	17
1011	Pathology and Pathobiology of Pulmonary Hypertension. Seminars in Respiratory and Critical Care Medicine, 2017, 38, 571-584.	0.8	33
1012	Tissue Force Programs Cell Fate and Tumor Aggression. Cancer Discovery, 2017, 7, 1224-1237.	7.7	181
1013	Regulation of genome organization and gene expression by nuclear mechanotransduction. Nature Reviews Molecular Cell Biology, 2017, 18, 717-727.	16.1	301
1014	Challenging FRET-based E-Cadherin force measurements in Drosophila. Scientific Reports, 2017, 7, 13692.	1.6	38
1015	Flow pattern-dependent endothelial cell responses through transcriptional regulation. Cell Cycle, 2017, 16, 1893-1901.	1.3	63
1016	Niche-derived laminin-511 promotes midbrain dopaminergic neuron survival and differentiation through YAP. Science Signaling, 2017, 10, .	1.6	47
1017	Mechanobiology of limb musculoskeletal development. Annals of the New York Academy of Sciences, 2017, 1409, 18-32.	1.8	47
1018	Keeping fibroblasts in suspense: TAZ-mediated signaling activates a context-dependent profibrotic phenotype. Focus on â€œTAZ activation drives fibroblast spheroid growth, expression of profibrotic paracrine signals, and context-dependent ECM gene expressionâ€• American Journal of Physiology - Cell Physiology, 2017, 312, C274-C276.	2.1	5
1019	Hypoxia-inducible factor 2Î± (HIF-2Î±) promotes colon cancer growth by potentiating Yes-associated protein 1 (YAP1) activity. Journal of Biological Chemistry, 2017, 292, 17046-17056.	1.6	49
1020	YAP/TAZ Orchestrate VEGF Signaling during Developmental Angiogenesis. Developmental Cell, 2017, 42, 462-478.e7.	3.1	249
1021	Rho GTPases as therapeutic targets in cancer (Review). International Journal of Oncology, 2017, 51, 1025-1034.	1.4	68

#	Article	IF	Citations
1022	PCL-PDMS-PCL Copolymer-Based Microspheres Mediate Cardiovascular Differentiation from Embryonic Stem Cells. Tissue Engineering - Part C: Methods, 2017, 23, 627-640.	1.1	16
1023	Two faces of Hippo. Anti-Cancer Drugs, 2017, 28, 1079-1085.	0.7	13
1024	Integrinâ€FAKâ€CDC42â€PP1A signaling gnaws at YAP/TAZ activity to control incisor stem cells. BioEssays, 2017, 39, 1700116.	1.2	20
1025	Past matrix stiffness primes epithelial cells and regulates their future collective migration through a mechanical memory. Biomaterials, 2017, 146, 146-155.	5.7	118
1026	Elements of the niche for adult stem cell expansion. Journal of Tissue Engineering, 2017, 8, 204173141772546.	2.3	36
1027	Optical Âµ-Printing of Cellular-Scale Microscaffold Arrays for 3D Cell Culture. Scientific Reports, 2017, 7, 8880.	1.6	22
1028	Hydrogel substrate stress-relaxation regulates the spreading and proliferation of mouse myoblasts. Acta Biomaterialia, 2017, 62, 82-90.	4.1	120
1029	RhoA activation and nuclearization marks loss of chondrocyte phenotype in crosstalk with Wnt pathway. Experimental Cell Research, 2017, 360, 113-124.	1.2	14
1030	ALK1 signaling in development and disease: new paradigms. Cellular and Molecular Life Sciences, 2017, 74, 4539-4560.	2.4	76
1031	Chromosome Intermingling: Mechanical Hotspots for Genome Regulation. Trends in Cell Biology, 2017, 27, 810-819.	3.6	36
1032	Matrix Mechanics Influence Fibroblastâ€“Myofibroblast Transition by Directing the Localization of Histone Deacetylase 4. Cellular and Molecular Bioengineering, 2017, 10, 405-415.	1.0	24
1033	Cross talk between the Crumbs complex and Hippo signaling in renal epithelial cells. Pflugers Archiv European Journal of Physiology, 2017, 469, 917-926.	1.3	7
1034	Cell-instructive high-resolution micropatterned polylactic acid surfaces. Biofabrication, 2017, 9, 035004.	3.7	14
1035	Actomyosin contractility and collective migration: may the force be with you. Current Opinion in Cell Biology, 2017, 48, 87-96.	2.6	86
1036	Mechanics of blastocyst morphogenesis. Biology of the Cell, 2017, 109, 323-338.	0.7	57
1037	Relationship between Keloid Formation and YAP/TAZ Signaling. Plastic and Reconstructive Surgery - Global Open, 2017, 5, e1357.	0.3	8
1038	Regulation of Hippo pathway transcription factor TEAD by p38 MAPK-induced cytoplasmic translocation. Nature Cell Biology, 2017, 19, 996-1002.	4.6	153
1039	TGF-Î²1 regulates the expression and transcriptional activity of TAZ protein via a Smad3-independent, myocardin-related transcription factor-mediated mechanism. Journal of Biological Chemistry, 2017, 292, 14902-14920.	1.6	64

#	Article	IF	Citations
1040	Mechanotransduction at the cell-matrix interface. Seminars in Cell and Developmental Biology, 2017, 71, 75-83.	2.3	198
1041	Src Inhibits the Hippo Tumor Suppressor Pathway through Tyrosine Phosphorylation of Lats1. Cancer Research, 2017, 77, 4868-4880.	0.4	116
1042	Mechanosensing in liver regeneration. Seminars in Cell and Developmental Biology, 2017, 71, 153-167.	2.3	46
1043	Thy-1+ Cancer-associated Fibroblasts Adversely Impact Lung Cancer Prognosis. Scientific Reports, 2017, 7, 6478.	1.6	34
1044	Surface Topography Guides Morphology and Spatial Patterning of Induced Pluripotent Stem Cell Colonies. Stem Cell Reports, 2017, 9, 654-666.	2.3	120
1045	A mechanopharmacology approach to overcome chemoresistance in pancreatic cancer. Drug Resistance Updates, 2017, 31, 43-51.	6.5	43
1046	Yap/Taz Deletion in Gli+ Cell-Derived Myofibroblasts Attenuates Fibrosis. Journal of the American Society of Nephrology: JASN, 2017, 28, 3278-3290.	3.0	108
1047	Hydrogels with Reversible Mechanics to Probe Dynamic Cell Microenvironments. Angewandte Chemie - International Edition, 2017, 56, 12132-12136.	7.2	220
1048	The Epithelial Circumferential Actin Belt Regulates YAP/TAZ through Nucleocytoplasmic Shuttling of Merlin. Cell Reports, 2017, 20, 1435-1447.	2.9	119
1049	Rho-Associated Kinases and Non-muscle Myosin IIs Inhibit the Differentiation of Human iPSCs to Pancreatic Endoderm. Stem Cell Reports, 2017, 9, 419-428.	2.3	24
1050	BAG3-mediated proteostasis at a glance. Journal of Cell Science, 2017, 130, 2781-2788.	1.2	67
1051	Vascular Stiffness and Mechanotransduction: Back in the Limelight. American Journal of Respiratory and Critical Care Medicine, 2017, 196, 527-530.	2.5	5
1052	Mechanoresponsive stem cells to target cancer metastases through biophysical cues. Science Translational Medicine, 2017, 9, .	5.8	74
1053	Cellular force assay detects altered contractility caused by a nephritisâ€associated mutation in nonmuscle myosin <scp>IIA</scp>. Development Growth and Differentiation, 2017, 59, 423-433.	0.6	11
1054	Hydrogels with Reversible Mechanics to Probe Dynamic Cell Microenvironments. Angewandte Chemie, 2017, 129, 12300-12304.	1.6	19
1055	Targeted apoptosis of myofibroblasts with the BH3 mimetic ABT-263 reverses established fibrosis. Science Translational Medicine, 2017, 9, .	5.8	155
1056	Understanding the extracellular forces that determine cell fate and maintenance. Development (Cambridge), 2017, 144, 4261-4270.	1.2	147
1057	Forcing Entry into the Nucleus. Developmental Cell, 2017, 43, 547-548.	3.1	11

#	Article	IF	Citations
1058	Developmental YAPdeltaC determines adult pathology in a model of spinocerebellar ataxia type 1. Nature Communications, 2017, 8, 1864.	5.8	12
1059	The receptor tyrosine kinase EphA2 promotes glutamine metabolism in tumors by activating the transcriptional coactivators YAP and TAZ. Science Signaling, 2017, 10, .	1.6	80
1060	3D microniches reveal the importance of cell size and shape. Nature Communications, 2017, 8, 1962.	5.8	145
1061	Cell fate decisions: emerging roles for metabolic signals and cell morphology. EMBO Reports, 2017, 18, 2105-2118.	2.0	91
1062	Mechanosensitivity of Embryonic Neurites Promotes Their Directional Extension and Schwann Cells Progenitors Migration. Cellular Physiology and Biochemistry, 2017, 44, 1263-1270.	1.1	19
1063	Nanotopography-based strategy for the precise manipulation of osteoimmunomodulation in bone regeneration. Nanoscale, 2017, 9, 18129-18152.	2.8	113
1064	Growth and size control during development. Open Biology, 2017, 7, 170190.	1.5	59
1065	RHOA GTPase Controls YAP-Mediated EREG Signaling in Small Intestinal Stem Cell Maintenance. Stem Cell Reports, 2017, 9, 1961-1975.	2.3	29
1066	Development of a shear stress-free microfluidic gradient generator capable of quantitatively analyzing single-cell morphology. Biomedical Microdevices, 2017, 19, 81.	1.4	7
1067	Transcriptional integration of mitogenic and mechanical signals by Myc and YAP. Genes and Development, 2017, 31, 2017-2022.	2.7	65
1068	Poloâ€Like Kinase 2 is Dynamically Regulated to Coordinate Proliferation and Early Lineage Specification Downstream of Yesâ€Associated Protein 1 in Cardiac Progenitor Cells. Journal of the American Heart Association, 2017, 6, .	1.6	12
1069	Nanotopographic Regulation of Human Mesenchymal Stem Cell Osteogenesis. ACS Applied Materials & Interfaces, 2017, 9, 41794-41806.	4.0	52
1070	Mechanical forces direct stem cell behaviour in development and regeneration. Nature Reviews Molecular Cell Biology, 2017, 18, 728-742.	16.1	1,042
1071	Nuclear mechanotransduction: sensing the force from within. Current Opinion in Cell Biology, 2017, 46, 119-127.	2.6	63
1072	Arterial stiffness induces remodeling phenotypes in pulmonary artery smooth muscle cells via YAP/TAZ-mediated repression of cyclooxygenase-2. American Journal of Physiology - Lung Cellular and Molecular Physiology, 2017, 313, L628-L647.	1.3	55
1073	Emerging roles of mechanical forces in chromatin regulation. Journal of Cell Science, 2017, 130, 2243-2250.	1.2	152
1074	Substrate rigidity-dependent positive feedback regulation between YAP and ROCK2. Cell Adhesion and Migration, 2018, 12, 00-00.	1.1	12
1075	Hippo Pathway: An Emerging Regulator of Craniofacial and Dental Development. Journal of Dental Research, 2017, 96, 1229-1237.	2.5	32

#	Article	IF	Citations
1076	Mechanical cueâ€induced <scp>YAP</scp> instructs Skp2â€dependent cell cycle exit and oncogenic signaling. EMBO Journal, 2017, 36, 2510-2528.	3.5	58
1077	EWS-FLI1 perturbs MRTFB/YAP-1/TEAD target gene regulation inhibiting cytoskeletal autoregulatory feedback in Ewing sarcoma. Oncogene, 2017, 36, 5995-6005.	2.6	46
1078	Matrix stiffness induces epithelialâ€“mesenchymal transition and promotes chemoresistance in pancreatic cancer cells. Oncogenesis, 2017, 6, e352-e352.	2.1	358
1079	Single and collective cell migration: the mechanics of adhesions. Molecular Biology of the Cell, 2017, 28, 1833-1846.	0.9	287
1080	Dynamical crossover in a stochastic model of cell fate decision. Physical Review E, 2017, 96, 012401.	0.8	13
1081	Cellular Changes of Stem Cells in 3-Dimensional Culture. Journal of Oral and Maxillofacial Surgery, 2017, 75, 2477.e1-2477.e9.	0.5	0
1082	YAP determines the cell fate of injured mouse hepatocytes in vivo. Nature Communications, 2017, 8, 16017.	5.8	40
1083	Stressed podocytesâ€”mechanical forces, sensors, signaling and response. Pflugers Archiv European Journal of Physiology, 2017, 469, 937-949.	1.3	62
1084	Functional proteomics of cellular mechanosensing mechanisms. Seminars in Cell and Developmental Biology, 2017, 71, 118-128.	2.3	8
1085	Crystal structure of TAZ-TEAD complex reveals a distinct interaction mode from that of YAP-TEAD complex. Scientific Reports, 2017, 7, 2035.	1.6	76
1086	SPIN90 Depletion and Microtubule Acetylation Mediate Stromal Fibroblast Activation in Breast Cancer Progression. Cancer Research, 2017, 77, 4710-4722.	0.4	26
1087	A mathematical model of mechanotransduction reveals how mechanical memory regulates mesenchymal stem cell fate decisions. BMC Systems Biology, 2017, 11, 55.	3.0	48
1088	MicroRNA-21 preserves the fibrotic mechanical memory of mesenchymal stem cells. Nature Materials, 2017, 16, 379-389.	13.3	234
1089	Human airway organoid engineering as a step toward lung regeneration and disease modeling. Biomaterials, 2017, 113, 118-132.	5.7	146
1090	Injectable biomaterials for stem cell delivery and tissue regeneration. Expert Opinion on Biological Therapy, 2017, 17, 49-62.	1.4	29
1091	YAP functions as a mechanotransducer in oligodendrocyte morphogenesis and maturation. Glia, 2017, 65, 360-374.	2.5	47
1092	Pathophysiology of Fibrosis in Systemic Sclerosis. , 2017, , 261-280.		4
1093	Role of YAP/TAZ transcriptional regulators in resistance to anti-cancer therapies. Cellular and Molecular Life Sciences, 2017, 74, 1457-1474.	2.4	77

#	Article	IF	Citations
1094	Signaling Cross Talk between TGF-Î²/Smad and Other Signaling Pathways. Cold Spring Harbor Perspectives in Biology, 2017, 9, a022137.	2.3	385
1095	Cardiac Mechanoperception: A Life-Long Story from Early Beats to Aging and Failure. Stem Cells and Development, 2017, 26, 77-90.	1.1	26
1096	Signaling pathways in mammalian preimplantation development: Linking cellular phenotypes to lineage decisions. Developmental Dynamics, 2017, 246, 245-261.	0.8	23
1097	The cochaperone BAG3 coordinates protein synthesis and autophagy under mechanical strain through spatial regulation of mTORC1. Biochimica Et Biophysica Acta - Molecular Cell Research, 2017, 1864, 62-75.	1.9	49
1098	Extracellular Matrix and Colorectal Cancer: How Surrounding Microenvironment Affects Cancer Cell Behavior?. Journal of Cellular Physiology, 2017, 232, 967-975.	2.0	108
1099	Adaptive mechanisms of resistance to anti-neoplastic agents. MedChemComm, 2017, 8, 53-66.	3.5	12
1100	Enzyme-mediated stiffening hydrogels for probing activation of pancreatic stellate cells. Acta Biomaterialia, 2017, 48, 258-269.	4.1	64
1101	Breast cancer stem cell: the roles and therapeutic implications. Cellular and Molecular Life Sciences, 2017, 74, 951-966.	2.4	104
1102	Mechanical properties of basement membrane in health and disease. Matrix Biology, 2017, 57-58, 366-373.	1.5	71
1103	Cellâ€“cell junctional mechanotransduction in endothelial remodeling. Cellular and Molecular Life Sciences, 2017, 74, 279-292.	2.4	137
1104	Dynamics of Mechanosensitive Neural Stem Cell Differentiation. Stem Cells, 2017, 35, 497-506.	1.4	122
1105	Cellular adaptation to biomechanical stress across length scales in tissue homeostasis and disease. Seminars in Cell and Developmental Biology, 2017, 67, 141-152.	2.3	43
1106	Feeling the right force: How to contextualize the cell mechanical behavior in physiologic turnover and pathologic evolution of the cardiovascular system. , 2017, 171, 75-82.		23
1107	Synergistic induction of CTGF by cytochalasin D and TGFÎ²-1 in primary human renal epithelial cells: Role of transcriptional regulators MKL1, YAP/TAZ and Smad2/3. Cellular Signalling, 2017, 29, 31-40.	1.7	15
1108	The emerging role of ECM crosslinking in T cell mobility as a hallmark of immunosenescence in humans. Ageing Research Reviews, 2017, 35, 322-335.	5.0	45
1109	YAP and TAZ mediate steroid-induced alterations in the trabecular meshwork cytoskeleton in human trabecular meshwork cells. International Journal of Molecular Medicine, 2018, 41, 164-172.	1.8	22
1110	YAP mediated mechano-homeostasis â€" conditioning 3D animal body shape. Current Opinion in Cell Biology, 2017, 49, 64-70.	2.6	4
1111	3D printing of biocomposites for osteochondral tissue engineering. , 2017, , 261-302.		18

#	Article	IF	Citations
1112	Roles of the cytoskeleton, cell adhesion and rho signalling in mechanosensing and mechanotransduction. Journal of Biochemistry, 2017, 161, mvw082.	0.9	136
1113	Mutual dependence of the MRTFâ€“SRF and YAPâ€“TEAD pathways in cancer-associated fibroblasts is indirect and mediated by cytoskeletal dynamics. Genes and Development, 2017, 31, 2361-2375.	2.7	152
1115	Mutual regulation of the Hippo/Wnt/LPA/TGFâ€Î² signaling pathways and their roles in glaucoma (Review). International Journal of Molecular Medicine, 2018, 41, 1201-1212.	1.8	21
1116	A Tour de Force. Current Topics in Membranes, 2017, 79, 1-36.	0.5	33
1117	Regulation of Tissue Growth by the Mammalian Hippo Signaling Pathway. Frontiers in Physiology, 2017, 8, 942.	1.3	39
1118	Insights into the Regulation of Yap/Taz from Cellular Systems and Mouse Models. Current Stem Cell Research and Therapy, 2017, 13, 16-25.	0.6	0
1119	Optogenetic inhibition of apical constriction during Drosophila embryonic development. Methods in Cell Biology, 2017, 139, 167-186.	0.5	21
1120	Biofunctional Hydrogels for Three-Dimensional Stem Cell Culture. , 2017, , 345-362.		1
1121	Melatonin and Hippo Pathway: Is There Existing Cross-Talk?. International Journal of Molecular Sciences, 2017, 18, 1913.	1.8	34
1122	TGF-Î²-Induced Endothelial-Mesenchymal Transition in Fibrotic Diseases. International Journal of Molecular Sciences, 2017, 18, 2157.	1.8	249
1123	The Soft- and Hard-Heartedness of Cardiac Fibroblasts: Mechanotransduction Signaling Pathways in Fibrosis of the Heart. Journal of Clinical Medicine, 2017, 6, 53.	1.0	128
1124	Cyclic Tensile Strain Can Play a Role in Directing both Intramembranous and Endochondral Ossification of Mesenchymal Stem Cells. Frontiers in Bioengineering and Biotechnology, 2017, 5, 73.	2.0	33
1125	Putting Cells into Context. Frontiers in Cell and Developmental Biology, 2017, 5, 32.	1.8	5
1126	EMT and Treatment Resistance in Pancreatic Cancer. Cancers, 2017, 9, 122.	1.7	105
1127	Inside the Cell: Integrins as New Governors of Nuclear Alterations?. Cancers, 2017, 9, 82.	1.7	24
1128	Mutant p53 Protein and the Hippo Transducers YAP and TAZ: A Critical Oncogenic Node in Human Cancers. International Journal of Molecular Sciences, 2017, 18, 961.	1.8	41
1129	Mechanical Strain Promotes Oligodendrocyte Differentiation by Global Changes of Gene Expression. Frontiers in Cellular Neuroscience, 2017, 11, 93.	1.8	59
1130	Influence of Mechanical Stimuli on Schwann Cell Biology. Frontiers in Cellular Neuroscience, 2017, 11, 347.	1.8	64

#	Article	IF	Citations
1131	Implications of Schwann Cells Biomechanics and Mechanosensitivity for Peripheral Nervous System Physiology and Pathophysiology. Frontiers in Molecular Neuroscience, 2017, 10, 345.	1.4	20
1132	Intestinal Stem Cell Niche Insights Gathered from BothIn Vivoand NovelIn VitroModels. Stem Cells International, 2017, 2017, 1-10.	1.2	14
1133	Paxillin facilitates timely neurite initiation on soft-substrate environments by interacting with the endocytic machinery. ELife, 2017, 6, .	2.8	27
1134	Expression of YAP/TAZ in Keratocystic Odontogenic Tumors and Its Possible Association with Proliferative Behavior. BioMed Research International, 2017, 2017, 1-7.	0.9	4
1135	Intestinal Stem Cell Niche: The Extracellular Matrix and Cellular Components. Stem Cells International, 2017, 2017, 1-11.	1.2	110
1136	Retinal Degeneration Triggers the Activation of YAP/TEAD in Reactive MÃ¼ller Cells. , 2017, 58, 1941.		44
1137	The emerging role of YAP/TAZ in mechanotransduction. Journal of Thoracic Disease, 2017, 9, E507-E509.	0.6	44
1138	A new synthetic matrix metalloproteinase inhibitor reduces human mesenchymal stem cell adipogenesis. PLoS ONE, 2017, 12, e0172925.	1.1	16
1139	Yap/Taz transcriptional activity is essential for vascular regression via Ctgf expression and actin polymerization. PLoS ONE, 2017, 12, e0174633.	1.1	26
1140	Positive regulatory interactions between YAP and Hedgehog signalling in skin homeostasis and BCC development in mouse skin in vivo. PLoS ONE, 2017, 12, e0183178.	1.1	23
1141	Yorkie is required to restrict the injury responses in planarians. PLoS Genetics, 2017, 13, e1006874.	1.5	28
1142	Force loading explains spatial sensing of ligands by cells. Nature, 2017, 552, 219-224.	13.7	244
1143	Restoration of YAP activation rescues HL-1 cardiomyocytes from apoptotic death by ethanol. Journal of Toxicological Sciences, 2017, 42, 545-551.	0.7	2
1144	TAZ inhibition restores sensitivity of cisplatin via AKT/mTOR signaling in lung adenocarcinoma. Oncology Reports, 2017, 38, 1815-1821.	1.2	9
1145	Bio-Instructive Cues in Scaffolds for Musculoskeletal Tissue Engineering and Regenerative Medicine. , 2017, , 3-35.		6
1146	The Hippo signaling pathway provides novel anti-cancer drug targets. Oncotarget, 2017, 8, 16084-16098.	0.8	67
1147	Dermal white adipose tissue renewal is regulated by the PDGFA/AKT axis. Stem Cell Investigation, 2017, 4, 23-23.	1.3	4
1148	Emerging views of the nucleus as a cellular mechanosensor. Nature Cell Biology, 2018, 20, 373-381.	4.6	415

#	Article	IF	Citations
1149	Mechanotransduction in tumor progression: The dark side of the force. Journal of Cell Biology, 2018, 217, 1571-1587.	2.3	225
1150	Shaping Cell Fate: Influence of Topographical Substratum Properties on Embryonic Stem Cells. Tissue Engineering - Part B: Reviews, 2018, 24, 255-266.	2.5	20
1151	Actomyosin-Mediated Tension Orchestrates Uncoupled Respiration in Adipose Tissues. Cell Metabolism, 2018, 27, 602-615.e4.	7.2	70
1152	How asbestos drives the tissue towards tumors: YAP activation, macrophage and mesothelial precursor recruitment, RNA editing, and somatic mutations. Oncogene, 2018, 37, 2645-2659.	2.6	53
1153	Mechano-growth factor protects against mechanical overload induced damage and promotes migration of growth plate chondrocytes through RhoA/YAP pathway. Experimental Cell Research, 2018, 366, 81-91.	1.2	15
1154	Alpha-catenin-dependent cytoskeletal tension controls Yap activity in the heart. Development (Cambridge), 2018, 145, .	1.2	51
1155	Evolution of mechanotransduction via YAP/TAZ in animal epithelia. Current Opinion in Cell Biology, 2018, 51, 117-123.	2.6	57
1156	Extracellular Matrix Regulation of Stem Cell Fate. Current Stem Cell Reports, 2018, 4, 13-21.	0.7	14
1158	Kindlin-2 regulates mesenchymal stem cell differentiation through control of YAP1/TAZ. Journal of Cell Biology, 2018, 217, 1431-1451.	2.3	71
1159	Multikinase Inhibitor CT-707 Targets Liver Cancer by Interrupting the Hypoxia-Activated IGF-1Râ€“YAP Axis. Cancer Research, 2018, 78, 3995-4006.	0.4	29
1160	Yes-associated protein (YAP) in pancreatic cancer: at the epicenter of a targetable signaling network associated with patient survival. Signal Transduction and Targeted Therapy, 2018, 3, 11.	7.1	112
1161	Feedback between tissue packing and neurogenesis in the zebrafish neural tube. Development (Cambridge), 2018, 145, .	1.2	20
1162	Charting the unexplored extracellular matrix in cancer. International Journal of Experimental Pathology, 2018, 99, 58-76.	0.6	71
1163	Biomechanics and mechanical signaling in the ovary: a systematic review. Journal of Assisted Reproduction and Genetics, 2018, 35, 1135-1148.	1.2	99
1164	TRPM7 controls mesenchymal features of breast cancer cells by tensional regulation of SOX4. Biochimica Et Biophysica Acta - Molecular Basis of Disease, 2018, 1864, 2409-2419.	1.8	29
1165	The Hippo Signaling Transducer TAZ Regulates Mammary Gland Morphogenesis and Carcinogen-induced Mammary Tumorigenesis. Scientific Reports, 2018, 8, 6449.	1.6	7
1166	Liverâ€enriched transcription factor expression relates to chronic hepatic failure in humans. Hepatology Communications, 2018, 2, 582-594.	2.0	28
1167	Assembly of PEG Microgels into Porous Cellâ€Instructive 3D Scaffolds via Thiolâ€Ene Click Chemistry. Advanced Healthcare Materials, 2018, 7, e1800160.	3.9	87

#	Article	IF	Citations
1168	Ripply3 is required for the maintenance of epithelial sheets in the morphogenesis of pharyngeal pouches. Development Growth and Differentiation, 2018, 60, 87-96.	0.6	3
1169	Hippoâ€yap signaling in ocular development and disease. Developmental Dynamics, 2018, 247, 794-806.	0.8	32
1170	FAK- and YAP/TAZ dependent mechanotransduction pathways are required for enhanced immunomodulatory properties of adipose-derived mesenchymal stem cells induced by aligned fibrous scaffolds. Biomaterials, 2018, 171, 107-117.	5.7	64
1171	The YAP/TAZ transcriptional co-activators have opposing effects at different stages of osteoblast differentiation. Bone, 2018, 112, 1-9.	1.4	75
1172	The Theory of Tensegrity and Spatial Organization of Living Matter. Russian Journal of Developmental Biology, 2018, 49, 87-100.	0.1	4
1173	Reduced substrate stiffness promotes M2-like macrophage activation and enhances peroxisome proliferator-activated receptor Î³ expression. Experimental Cell Research, 2018, 367, 264-273.	1.2	69
1174	Intracellular Pressure: A Driver of Cell Morphology and Movement. International Review of Cell and Molecular Biology, 2018, 337, 185-211.	1.6	15
1175	The Use of Photo-Activatable Materials for the Study of Cell Biomechanics and Mechanobiology. , 2018, , 101-129.		1
1176	d <scp>NTP</scp> metabolism links mechanical cues and <scp>YAP</scp> / <scp>TAZ</scp> to cell growth and oncogeneâ€induced senescence. EMBO Journal, 2018, 37, .	3.5	60
1177	Vasodilator-stimulated phosphoprotein promotes liver metastasis of gastrointestinal cancer by activating a Î²1-integrin-FAK-YAP1/TAZ signaling pathway. Npj Precision Oncology, 2018, 2, 2.	2.3	18
1178	Tension-dependent regulation of mammalian Hippo signaling through LIMD1. Journal of Cell Science, 2018, 131, .	1.2	82
1179	Silk fibroin/collagen protein hybrid cell-encapsulating hydrogels with tunable gelation and improved physical and biological properties. Acta Biomaterialia, 2018, 69, 218-233.	4.1	91
1180	Independent control of matrix adhesiveness and stiffness within a 3D self-assembling peptide hydrogel. Acta Biomaterialia, 2018, 70, 110-119.	4.1	42
1181	The Hippo pathway as a drug target in gastric cancer. Cancer Letters, 2018, 420, 14-25.	3.2	62
1182	Molecular mechanisms of mechanosensing and mechanotransduction in living cells. Extreme Mechanics Letters, 2018, 20, 91-98.	2.0	14
1183	Nanopillar force measurements reveal actin-cap-mediated YAP mechanotransduction. Nature Cell Biology, 2018, 20, 262-271.	4.6	160
1184	Integrin diversity brings specificity in mechanotransduction. Biology of the Cell, 2018, 110, 49-64.	0.7	91
1185	HIPPO Stampede in Nerve Sheath Tumors. Cancer Cell, 2018, 33, 160-161.	7.7	2

#	Article	IF	Citations
1186	Photoresponsive Hydrogels with Photoswitchable Mechanical Properties Allow Time-Resolved Analysis of Cellular Responses to Matrix Stiffening. ACS Applied Materials & Interfaces, 2018, 10, 7765-7776.	4.0	93
1187	Recent insights into vascular development from studies in zebrafish. Current Opinion in Hematology, 2018, 25, 204-211.	1.2	16
1188	Role of membrane-tension gated Ca flux in cell mechanosensation. Journal of Cell Science, 2018, 131, .	1.2	36
1189	Anti-adipogenic effects of KD025 (SLx-2119), a ROCK2-specific inhibitor, in 3T3-L1 cells. Scientific Reports, 2018, 8, 2477.	1.6	36
1190	Driving mesenchymal stem cell differentiation from self-assembled monolayers. RSC Advances, 2018, 8, 6551-6564.	1.7	13
1191	Mechanical strain regulates the Hippo pathway in Drosophila. Development (Cambridge), 2018, 145, .	1.2	76
1192	Receptor control in mesenchymal stem cell engineering. Nature Reviews Materials, 2018, 3, .	23.3	96
1193	Variation in traction forces during cell cycle progression. Biology of the Cell, 2018, 110, 91-96.	0.7	43
1194	Insoluble Microenvironment Facilitating the Generation and Maintenance of Pluripotency. Tissue Engineering - Part B: Reviews, 2018, 24, 267-278.	2.5	5
1195	Matrix Stiffness: the Conductor of Organ Fibrosis. Current Rheumatology Reports, 2018, 20, 2.	2.1	127
1196	Piezo2 channel regulates RhoA and actin cytoskeleton to promote cell mechanobiological responses. Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, 1925-1930.	3.3	158
1197	Controlling Cellular Volume via Mechanical and Physical Properties of Substrate. Biophysical Journal, 2018, 114, 675-687.	0.2	65
1198	Let's get physical: Biomechanical influences on human pluripotent stem cell differentiation towards vascular engineering. Current Opinion in Biomedical Engineering, 2018, 5, 42-49.	1.8	4
1199	Molecular clutch drives cell response to surface viscosity. Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, 1192-1197.	3.3	115
1200	Hierarchical Design of Tissue Regenerative Constructs. Advanced Healthcare Materials, 2018, 7, e1701067.	3.9	68
1201	Role of the Nucleus as a Sensor of Cell Environment Topography. Advanced Healthcare Materials, 2018, 7, e1701154.	3.9	51
1202	Epigenetic Erasing and Pancreatic Differentiation of Dermal Fibroblasts into Insulin-Producing Cells are Boosted by the Use of Low-Stiffness Substrate. Stem Cell Reviews and Reports, 2018, 14, 398-411.	5.6	32
1203	YAP/TAZ-Dependent Reprogramming of Colonic Epithelium Links ECM Remodeling to Tissue Regeneration. Cell Stem Cell, 2018, 22, 35-49.e7.	5.2	447

#	Article	IF	Citations
1204	Tenascin-C Promotes Tumor Cell Migration and Metastasis through Integrin Î±9Î²1â€“Mediated YAP Inhibition. Cancer Research, 2018, 78, 950-961.	0.4	77
1205	Drosophila Big bang regulates the apical cytocortex and wing growth through junctional tension. Journal of Cell Biology, 2018, 217, 1033-1045.	2.3	11
1206	The apical scaffold big bang binds to spectrins and regulates the growth of Drosophila melanogaster wing discs. Journal of Cell Biology, 2018, 217, 1047-1062.	2.3	14
1207	Effects of DLC1 Deficiency on Endothelial Cell Contact Growth Inhibition and Angiosarcoma Progression. Journal of the National Cancer Institute, 2018, 110, 390-399.	3.0	13
1208	Physical Properties of Implanted Porous Bioscaffolds Regulate Skin Repair: Focusing on Mechanical and Structural Features. Advanced Healthcare Materials, 2018, 7, e1700894.	3.9	18
1209	Exploiting Advanced Hydrogel Technologies to Address Key Challenges in Regenerative Medicine. Advanced Healthcare Materials, 2018, 7, e1700939.	3.9	105
1210	The Hippo pathway in normal development and cancer. , 2018, 186, 60-72.		134
1211	Targeting extracellular matrix stiffness to attenuate disease: From molecular mechanisms to clinical trials. Science Translational Medicine, 2018, 10, .	5.8	390
1212	Yes-Associated Protein Promotes Angiogenesis via Signal Transducer and Activator of Transcription 3 in Endothelial Cells. Circulation Research, 2018, 122, 591-605.	2.0	98
1213	Mechanical cell competition. Current Opinion in Cell Biology, 2018, 51, 15-21.	2.6	54
1214	Endothelialâ€“mesenchymal transition in atherosclerosis. Cardiovascular Research, 2018, 114, 565-577.	1.8	239
1215	The Future of Radiobiology. Journal of the National Cancer Institute, 2018, 110, 329-340.	3.0	76
1216	Proteinâ€“Substrate Adhesion in Microcontact Printing Regulates Cell Behavior. Langmuir, 2018, 34, 1750-1759.	1.6	26
1217	YAP/TAZ regulates TGF-Î²/Smad3 signaling by induction of Smad7 via AP-1 in human skin dermal fibroblasts. Cell Communication and Signaling, 2018, 16, 18.	2.7	93
1218	Why the impact of mechanical stimuli on stem cells remains a challenge. Cellular and Molecular Life Sciences, 2018, 75, 3297-3312.	2.4	35
1219	Endocardial Hippo signaling regulates myocardial growth and cardiogenesis. Developmental Biology, 2018, 440, 22-30.	0.9	26
1220	Influence of Micropatterning on Human Periodontal Ligament Cellsâ€™ Behavior. Biophysical Journal, 2018, 114, 1988-2000.	0.2	11
1221	A time for YAP1: Tumorigenesis, immunosuppression and targeted therapy. International Journal of Cancer, 2018, 143, 2133-2144.	2.3	119

#	Article	IF	Citations
1222	Hippo Signaling Plays an Essential Role in Cell State Transitions during Cardiac Fibroblast Development. Developmental Cell, 2018, 45, 153-169.e6.	3.1	144
1223	Cyclic uniaxial compression of human stem cells seeded on a bone biomimetic nanocomposite decreases anti-osteogenic commitment evoked by shear stress. Journal of the Mechanical Behavior of Biomedical Materials, 2018, 83, 84-93.	1.5	10
1224	VEGFâ€“neuropilin-2 signaling promotes stem-like traits in breast cancer cells by TAZ-mediated repression of the Rac GAP Î²2-chimaerin. Science Signaling, 2018, 11, .	1.6	50
1225	Regulation of the Hippo pathway in cancer biology. Cellular and Molecular Life Sciences, 2018, 75, 2303-2319.	2.4	57
1226	Targeting Biophysical Cues: a Niche Approach to Study, Diagnose, and Treat Cancer. Trends in Cancer, 2018, 4, 268-271.	3.8	19
1227	Interconnectable Dynamic Compression Bioreactors for Combinatorial Screening of Cell Mechanobiology in Three Dimensions. ACS Applied Materials & Interfaces, 2018, 10, 13293-13303.	4.0	36
1228	Bone morphogenetic proteins for articular cartilage regeneration. Osteoarthritis and Cartilage, 2018, 26, 1153-1161.	0.6	81
1229	Substratum stiffness tunes proliferation downstream of Wnt3a in part by regulating integrin-linked kinase and frizzled-1. Journal of Cell Science, 2018, 131, .	1.2	19
1230	Endoreplication: The Good, the Bad, and the Ugly. Trends in Cell Biology, 2018, 28, 465-474.	3.6	98
1231	Polymer and Photonic Materials Towards Biomedical Breakthroughs. , 2018, , .		4
1232	KIBRA (WWC1) Is a Metastasis Suppressor Gene Affected by Chromosome 5q Loss in Triple-Negative Breast Cancer. Cell Reports, 2018, 22, 3191-3205.	2.9	43
1233	Epidermal YAP activity drives canonical WNT16/Î²-catenin signaling to promote keratinocyte proliferation in vitro and in the murine skin. Stem Cell Research, 2018, 29, 15-23.	0.3	24
1234	Metformin inhibits glioma cells stemness and epithelial-mesenchymal transition via regulating YAP activity. Biomedicine and Pharmacotherapy, 2018, 102, 263-270.	2.5	33
1235	Preparation of Matrices of Variable Stiffness for the Study of Mechanotransduction in Schwann Cell Development. Methods in Molecular Biology, 2018, 1739, 281-297.	0.4	5
1236	Nanotechnologies for tissue engineering and regeneration. , 2018, , 93-206.		12
1237	Collagen abundance controls melanoma phenotypes through lineage-specific microenvironment sensing. Oncogene, 2018, 37, 3166-3182.	2.6	82
1238	Tissue Engineering and Regenerative Medicine 2017: A Year in Review. Tissue Engineering - Part B: Reviews, 2018, 24, 327-344.	2.5	47
1239	Molecular mechanisms underlying TGF-ÃŸ/Hippo signaling crosstalks â€“ Role of baso-apical epithelial cell polarity. International Journal of Biochemistry and Cell Biology, 2018, 98, 75-81.	1.2	15

#	Article	IF	Citations
1240	Cellular Constituents of the Prostate Stroma: Key Contributors to Prostate Cancer Progression and Therapy Resistance. Cold Spring Harbor Perspectives in Medicine, 2018, 8, a030510.	2.9	57
1241	TGFÎ² signaling and the control of myofibroblast differentiation: Implications for chronic inflammatory disorders. Journal of Cellular Physiology, 2018, 233, 98-106.	2.0	109
1242	The role of Hippo/yesâ€associated protein signalling in vascular remodelling associated with cardiovascular disease. British Journal of Pharmacology, 2018, 175, 1354-1361.	2.7	91
1243	Materials-Directed Differentiation of Mesenchymal Stem Cells for Tissue Engineering and Regeneration. ACS Biomaterials Science and Engineering, 2018, 4, 1115-1127.	2.6	105
1244	Regulation of Breast Cancer Progression by Extracellular Matrix Mechanics: Insights from 3D Culture Models. ACS Biomaterials Science and Engineering, 2018, 4, 302-313.	2.6	36
1245	Cell Junctions in Hippo Signaling. Cold Spring Harbor Perspectives in Biology, 2018, 10, a028753.	2.3	94
1246	Wnt/Yes-Associated Protein Interactions During Neural Tissue Patterning of Human Induced Pluripotent Stem Cells. Tissue Engineering - Part A, 2018, 24, 546-558.	1.6	25
1247	Yesâ€associated protein 1 promotes the differentiation and mineralization of cementoblast. Journal of Cellular Physiology, 2018, 233, 2213-2224.	2.0	20
1248	Mining the Stiffness-Sensitive Transcriptome in Human Vascular Smooth Muscle Cells Identifies Long Noncoding RNA Stiffness Regulators. Arteriosclerosis, Thrombosis, and Vascular Biology, 2018, 38, 164-173.	1.1	43
1249	Manipulation of the response of human endothelial colony-forming cells by focal adhesion assembly using gradient nanopattern plates. Acta Biomaterialia, 2018, 65, 272-282.	4.1	12
1250	Solitary waves in morphogenesis: Determination fronts as strain-cued strain transformations among automatous cells. Journal of the Mechanics and Physics of Solids, 2018, 111, 239-276.	2.3	3
1251	Transcription factors as critical players in melanoma invasiveness, drug resistance, and opportunities for therapeutic drug development. Pigment Cell and Melanoma Research, 2018, 31, 241-252.	1.5	25
1253	Variation of the bone forming ability with the physicochemical properties of calcium phosphate bone substitutes. Biomaterials Science, 2018, 6, 136-145.	2.6	35
1254	FAK controls the mechanical activation of YAP, a transcriptional regulator required for durotaxis. FASEB Journal, 2018, 32, 1099-1107.	0.2	117
1255	Role of substrate biomechanics in controlling (stem) cell fate: Implications in regenerative medicine. Journal of Tissue Engineering and Regenerative Medicine, 2018, 12, 1012-1019.	1.3	17
1256	p53 shades of Hippo. Cell Death and Differentiation, 2018, 25, 81-92.	5.0	70
1257	Vascular Endothelial (VE)-Cadherin, Endothelial Adherens Junctions, and Vascular Disease. Cold Spring Harbor Perspectives in Biology, 2018, 10, a029322.	2.3	75
1258	Derivation of Cortical Spheroids from Human Induced Pluripotent Stem Cells in a Suspension Bioreactor. Tissue Engineering - Part A, 2018, 24, 418-431.	1.6	35

#	Article	IF	Citations
1259	Tissue inhibitor of metalloproteinase-1 promotes cell proliferation through YAP/TAZ activation in cancer. Oncogene, 2018, 37, 263-270.	2.6	37
1260	Ezrin regulates skin fibroblast size/mechanical properties and YAP-dependent proliferation. Journal of Cell Communication and Signaling, 2018, 12, 549-560.	1.8	15
1261	Endothelialâ€toâ€mesenchymal transition in cardiovascular diseases: Developmental signaling pathways gone awry. Developmental Dynamics, 2018, 247, 492-508.	0.8	120
1262	Paving the Rho in cancer metastasis: Rho GTPases and beyond. , 2018, 183, 1-21.		132
1263	Therapeutic Targeting of TAZ and YAP byÂDimethyl Fumarate in Systemic SclerosisÂFibrosis. Journal of Investigative Dermatology, 2018, 138, 78-88.	0.3	83
1264	Modulation of microenvironment for controlling the fate of periodontal ligament cells: the role of Rho/ROCK signaling and cytoskeletal dynamics. Journal of Cell Communication and Signaling, 2018, 12, 369-378.	1.8	25
1265	Significant expression of tafazzin (TAZ) protein in colon cancer cells and its downregulation by radiation. International Journal of Radiation Biology, 2018, 94, 79-87.	1.0	4
1266	Distinct Cellular Mechanisms Underlie Smooth Muscle Turnover in Vascular Development and Repair. Circulation Research, 2018, 122, 267-281.	2.0	47
1267	Rerouting mesenchymal stem cell trajectory towards epithelial lineage by engineering cellular niche. Biomaterials, 2018, 156, 28-44.	5.7	27
1268	Cellâ€“Extracellular Matrix Mechanobiology: Forceful Tools and Emerging Needs for Basic and Translational Research. Nano Letters, 2018, 18, 1-8.	4.5	103
1269	Nucleoskeletal stiffness regulates stem cell migration and differentiation through lamin A/C. Journal of Cellular Physiology, 2018, 233, 5112-5118.	2.0	16
1270	The emerging role of Hippo signaling pathway in regulating osteoclast formation. Journal of Cellular Physiology, 2018, 233, 4606-4617.	2.0	56
1271	Deregulation and Therapeutic Potential of the Hippo Pathway in Cancer. Annual Review of Cancer Biology, 2018, 2, 59-79.	2.3	14
1272	Upstairs, downstairs: spatial regulation of Hippo signalling. Current Opinion in Cell Biology, 2018, 51, 22-32.	2.6	64
1273	Syndecan-1 in mechanosensing of nanotopological cues in engineered materials. Biomaterials, 2018, 155, 13-24.	5.7	16
1274	TAZ responds to fluid shear stress to regulate the cell cycle. Cell Cycle, 2018, 17, 147-153.	1.3	33
1275	TEAD4 promotes colorectal tumorigenesis via transcriptionally targeting YAP1. Cell Cycle, 2018, 17, 102-109.	1.3	34
1276	Mechanistic insight into contextual TGF-Î² signaling. Current Opinion in Cell Biology, 2018, 51, 1-7.	2.6	74

#	Article	IF	Citations
1277	Mechanosensing and Mechanotransduction at Cellâ€“Cell Junctions. Cold Spring Harbor Perspectives in Biology, 2018, 10, a028761.	2.3	138
1278	Emerging role of Hippo signalling pathway in bladder cancer. Journal of Cellular and Molecular Medicine, 2018, 22, 4-15.	1.6	39
1279	Liver regeneration in aged mice: new insights. Aging, 2018, 10, 1801-1824.	1.4	40
1280	Mechanoregulation and pathology of YAP/TAZ via Hippo and nonâ€Hippo mechanisms. Clinical and Translational Medicine, 2018, 7, 23.	1.7	113
1281	Extracellular matrix as a driver of progressive fibrosis. Journal of Clinical Investigation, 2018, 128, 45-53.	3.9	410
1282	Expression Pattern of the Hippo Pathway Effector TAZ in Cellular and Fibrotic Nonspecific Interstitial Pneumonia. Chinese Medical Journal, 2018, 131, 626-628.	0.9	2
1283	Cyclic Stretch Enhances Osteogenic Differentiation of Human Periodontal Ligament Cells via YAP Activation. BioMed Research International, 2018, 2018, 1-12.	0.9	38
1284	Lysophosphatidic Acid Induces ECM Production via Activation of the Mechanosensitive YAP/TAZ Transcriptional Pathway in Trabecular Meshwork Cells. , 2018, 59, 1969.		44
1285	Enigma proteins regulate YAP mechanotransduction. Journal of Cell Science, 2018, 131, .	1.2	43
1286	The history and regulatory mechanism of the Hippo pathway. BMB Reports, 2018, 51, 106-118.	1.1	53
1287	Biomechanics in Oncology. Advances in Experimental Medicine and Biology, 2018, , .	0.8	7
1288	Tissue engineering the cancer microenvironmentâ€"challenges and opportunities. Biophysical Reviews, 2018, 10, 1695-1711.	1.5	47
1289	NUAK2 is a critical YAP target in liver cancer. Nature Communications, 2018, 9, 4834.	5.8	88
1290	Mechanosignalling via integrins directs fate decisions of pancreatic progenitors. Nature, 2018, 564, 114-118.	13.7	167
1291	Special Issue on Mechanisms of Mesothelioma Heterogeneity: Highlights and Open Questions. International Journal of Molecular Sciences, 2018, 19, 3560.	1.8	6
1292	Osteogenesis-Related Behavior of MC3T3-E1 Cells on Substrates with Tunable Stiffness. BioMed Research International, 2018, 2018, 1-10.	0.9	13
1293	Arterial Wall Stress Induces Phenotypic Switching of Arterial Smooth Muscle Cells in Vascular Remodeling by Activating the YAP/TAZ Signaling Pathway. Cellular Physiology and Biochemistry, 2018, 51, 842-853.	1.1	39
1294	YAP/TAZ Signaling as a Molecular Link between Fibrosis and Cancer. International Journal of Molecular Sciences, 2018, 19, 3674.	1.8	179

#	Article	IF	Citations
1295	Mediated nuclear import and export of TAZ and the underlying molecular requirements. Nature Communications, 2018, 9, 4966.	5.8	75
1296	Cell metabolism regulates integrin mechanosensing via an SLC3A2-dependent sphingolipid biosynthesis pathway. Nature Communications, 2018, 9, 4862.	5.8	28
1297	YAP/TAZ mechano-transduction as the underlying mechanism of neuronal differentiation induced by reduced graphene oxide. Nanomedicine, 2018, 13, 3091-3106.	1.7	15
1298	Photoresponsive Hydrogels with Photoswitchable Stiffness: Emerging Platforms to Study Temporal Aspects of Mesenchymal Stem Cell Responses to Extracellular Stiffness Regulation. Advances in Experimental Medicine and Biology, 2018, 1144, 53-69.	0.8	6
1299	Scaffold Materials and Dental Stem Cells in Dental Tissue Regeneration. Current Oral Health Reports, 2018, 5, 304-316.	0.5	12
1300	Oscillatory Strain Promotes Vessel Stabilization and Alignment through Fibroblast YAPâ€Mediated Mechanosensitivity. Advanced Science, 2018, 5, 1800506.	5.6	30
1301	TNF-Î±-Induced YAP/TAZ Activity Mediates Leukocyte-Endothelial Adhesion by Regulating VCAM1 Expression in Endothelial Cells. International Journal of Molecular Sciences, 2018, 19, 3428.	1.8	62
1302	Planar compression of extracellular substrates induces S phase arrest via ATM-independent CHK2 activation. Biochemical and Biophysical Research Communications, 2018, 506, 983-989.	1.0	3
1303	Caveolin-1 Modulates Mechanotransduction Responses to Substrate Stiffness through Actin-Dependent Control of YAP. Cell Reports, 2018, 25, 1622-1635.e6.	2.9	91
1304	Selective Laminin-Directed Differentiation of Human Induced Pluripotent Stem Cells into Distinct Ocular Lineages. Cell Reports, 2018, 25, 1668-1679.e5.	2.9	39
1305	Rapid coupling between gravitational forces and the transcriptome in human myelomonocytic U937 cells. Scientific Reports, 2018, 8, 13267.	1.6	31
1306	Mathematical-model-guided development of full-thickness epidermal equivalent. Scientific Reports, 2018, 8, 17999.	1.6	14
1307	Nuclear mechanosensing. Emerging Topics in Life Sciences, 2018, 2, 713-725.	1.1	17
1308	Characterizing Inner Pressure and Stiffness of Trophoblast and Inner Cell Mass of Blastocysts. Biophysical Journal, 2018, 115, 2443-2450.	0.2	35
1309	Genetic and epigenetic regulation of cardiomyocytes in development, regeneration and disease. Development (Cambridge), 2018, 145, .	1.2	66
1310	Type I collagen deposition via osteoinduction ameliorates YAP/TAZ activity in 3D floating culture clumps of mesenchymal stem cell/extracellular matrix complexes. Stem Cell Research and Therapy, 2018, 9, 342.	2.4	25
1311	Cell-Matrix Interactions and Matricrine Signaling in the Pathogenesis of Vascular Calcification. Frontiers in Cardiovascular Medicine, 2018, 5, 174.	1.1	43
1312	Robo signalling controls pancreatic progenitor identity by regulating Tead transcription factors. Nature Communications, 2018, 9, 5082.	5.8	26

#	Article	IF	Citations
1313	Apigenin suppresses the stem cell-like properties of triple-negative breast cancer cells by inhibiting YAP/TAZ activity. Cell Death Discovery, 2018, 4, 105.	2.0	88
1314	Chemoresistance and the Self-Maintaining Tumor Microenvironment. Cancers, 2018, 10, 471.	1.7	136
1315	Migration through a small pore disrupts inactive chromatin organization in neutrophil-like cells. BMC Biology, 2018, 16, 142.	1.7	37
1317	Biomaterials for cell transplantation. Nature Reviews Materials, 2018, 3, 441-456.	23.3	153
1318	Role of Extracellular Matrix in Development and Cancer Progression. International Journal of Molecular Sciences, 2018, 19, 3028.	1.8	735
1319	Autophagy in Health and Disease. Pancreatic Islet Biology, 2018, , .	0.1	1
1320	Mechanical Force-Driven Adherens Junction Remodeling and Epithelial Dynamics. Developmental Cell, 2018, 47, 3-19.	3.1	166
1321	Distinct roles of <scp>VE</scp> â€cadherin for development and maintenance of specific lymph vessel beds. EMBO Journal, 2018, 37, .	3.5	62
1322	Crawling wounded: molecular genetic insights into wound healing from Drosophila larvae. International Journal of Developmental Biology, 2018, 62, 479-489.	0.3	20
1323	Rapping about Mechanotransduction. Developmental Cell, 2018, 46, 678-679.	3.1	4
1324	Olfactomedin-like protein OLFML1 inhibits Hippo signaling and mineralization in osteoblasts. Biochemical and Biophysical Research Communications, 2018, 505, 419-425.	1.0	15
1325	Angiomotins stimulate LATS kinase autophosphorylation and act as scaffolds that promote Hippo signaling. Journal of Biological Chemistry, 2018, 293, 18230-18241.	1.6	62
1326	Programming Niche Accessibility and In Vitro Stemness with Intercellular DNA Reactions. Advanced Materials, 2018, 30, e1804861.	11.1	25
1327	Regulation of the Hippo Pathway by Phosphatidic Acid-Mediated Lipid-Protein Interaction. Molecular Cell, 2018, 72, 328-340.e8.	4.5	74
1328	Recreating stem-cell niches using self-assembling biomaterials. , 2018, , 421-454.		1
1329	Alternative splicing rewires Hippo signaling pathway in hepatocytes to promote liver regeneration. Nature Structural and Molecular Biology, 2018, 25, 928-939.	3.6	58
1330	Decursin inhibits the growth of HepG2 hepatocellular carcinoma cells via Hippo/YAP signaling pathway. Phytotherapy Research, 2018, 32, 2456-2465.	2.8	28
1331	Autophagic Regulation of Cardiomyocyte Survival and Heart Regeneration. Pancreatic Islet Biology, 2018, , 101-118.	0.1	0

#	Article	IF	Citations
1332	Thermally Responsive Microfibers Mediated Stem Cell Fate via Reversibly Dynamic Mechanical Stimulation. Advanced Functional Materials, 2018, 28, 1804773.	7.8	32
1333	Analysis of the relationship between the KRAS G12V oncogene and the Hippo effector YAP1 in embryonal rhabdomyosarcoma. Scientific Reports, 2018, 8, 15674.	1.6	9
1334	The Role of the Extracellular Matrix and Its Molecular and Cellular Regulators in Cancer Cell Plasticity. Frontiers in Oncology, 2018, 8, 431.	1.3	267
1335	Tissue Mechanical Forces and Evolutionary Developmental Changes Act Through Space and Time to Shape Tooth Morphology and Function. BioEssays, 2018, 40, e1800140.	1.2	18
1336	Myt1 and Myt1l transcription factors limit proliferation in GBM cells by repressing YAP1 expression. Biochimica Et Biophysica Acta - Gene Regulatory Mechanisms, 2018, 1861, 983-995.	0.9	21
1337	Yes-associated protein (YAP) and transcriptional coactivator with PDZ-binding motif (TAZ) mediate cell densityâ€“dependent proinflammatory responses. Journal of Biological Chemistry, 2018, 293, 18071-18085.	1.6	34
1338	Hypoxia promotes maintenance of the chondrogenic phenotype in rat growth plate chondrocytes through the HIF-1Î±/YAP signaling pathway. International Journal of Molecular Medicine, 2018, 42, 3181-3192.	1.8	34
1339	3D Bone Biomimetic Scaffolds for Basic and Translational Studies with Mesenchymal Stem Cells. International Journal of Molecular Sciences, 2018, 19, 3150.	1.8	25
1340	Exposing Cell-Itary Confinement: Understanding the Mechanisms of Confined Single Cell Migration. Advances in Experimental Medicine and Biology, 2018, 1092, 139-157.	0.8	2
1341	Biomaterials and engineered microenvironments to control YAP/TAZ-dependent cell behaviour. Nature Materials, 2018, 17, 1063-1075.	13.3	181
1342	Functional regulation of YAP mechanosensitive transcriptional coactivator by Focused Low-Intensity Pulsed Ultrasound (FLIPUS) enhances proliferation of murine mesenchymal precursors. PLoS ONE, 2018, 13, e0206041.	1.1	17
1343	Soft conductive micropillar electrode arrays for biologically relevant electrophysiological recording. Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, 11718-11723.	3.3	82
1344	Traction Force Microscopy for Noninvasive Imaging of Cell Forces. Advances in Experimental Medicine and Biology, 2018, 1092, 319-349.	0.8	23
1345	The SWI/SNF complex is a mechanoregulated inhibitor of YAP and TAZ. Nature, 2018, 563, 265-269.	13.7	224
1346	Plau and Tgfbr3 are YAP-regulated genes that promote keratinocyte proliferation. Cell Death and Disease, 2018, 9, 1106.	2.7	20
1347	Reciprocal inhibition of YAP/TAZ and NF-ÎºB regulates osteoarthritic cartilage degradation. Nature Communications, 2018, 9, 4564.	5.8	188
1348	Dynamic PEGâ€“Peptide Hydrogels via Visible Light and FMNâ€Induced Tyrosine Dimerization. Advanced Healthcare Materials, 2018, 7, e1800954.	3.9	20
1349	Long noncoding RNA MALAT1 suppresses breast cancer metastasis. Nature Genetics, 2018, 50, 1705-1715.	9.4	561

#	Article	IF	Citations
1350	The transcriptional co-activator YAP: A new player in head and neck cancer. Oral Oncology, 2018, 86, 25-32.	0.8	31
1351	An In Situ Reversible Heterodimeric Nanoswitch Controlled by Metalâ€ionâ€“Ligand Coordination Regulates the Mechanosensing and Differentiation of Stem Cells. Advanced Materials, 2018, 30, e1803591.	11.1	44
1352	RhoA protects the podocytes against high glucose-induced apoptosis through YAP and plays critical role in diabetic nephropathy. Biochemical and Biophysical Research Communications, 2018, 504, 949-956.	1.0	14
1353	Transcriptional addiction in cancer cells is mediated by YAP/TAZ through BRD4. Nature Medicine, 2018, 24, 1599-1610.	15.2	228
1354	Secondary Photocrosslinking of Click Hydrogels To Probe Myoblast Mechanotransduction in Three Dimensions. Journal of the American Chemical Society, 2018, 140, 11585-11588.	6.6	64
1355	Genetic Control of Early Cell Lineages in the Mammalian Embryo. Annual Review of Genetics, 2018, 52, 185-201.	3.2	85
1356	The Hippo Signaling Network and Its Biological Functions. Annual Review of Genetics, 2018, 52, 65-87.	3.2	316
1357	Signaling Mechanisms of Myofibroblastic Activation: Outside-in and Inside-Out. Cellular Physiology and Biochemistry, 2018, 49, 848-868.	1.1	82
1358	Epigenetic Regulation of Skin Development and Regeneration. Pancreatic Islet Biology, 2018, , .	0.1	0
1359	Nanofibers Regulate Single Bone Marrow Stem Cell Osteogenesis via FAK/RhoA/YAP1 Pathway. ACS Applied Materials & Interfaces, 2018, 10, 33022-33031.	4.0	43
1360	Designing stem cell niches for differentiation and self-renewal. Journal of the Royal Society Interface, 2018, 15, 20180388.	1.5	107
1361	The Extracellular Matrix and Pancreatic Cancer: A Complex Relationship. Cancers, 2018, 10, 316.	1.7	208
1362	Integration of Biochemical and Mechanical Signals at the Nuclear Periphery: Impacts on Skin Development and Disease. Pancreatic Islet Biology, 2018, , 263-292.	0.1	1
1363	Cell competition in development: information from flies and vertebrates. Current Opinion in Cell Biology, 2018, 55, 150-157.	2.6	59
1364	Overcoming Resistance to Dual Innate Immune and MEK Inhibition Downstream of KRAS. Cancer Cell, 2018, 34, 439-452.e6.	7.7	55
1365	Factors Associated with Heritable Pulmonary Arterial Hypertension Exert Convergent Actions on the miR-130/301-Vascular Matrix Feedback Loop. International Journal of Molecular Sciences, 2018, 19, 2289.	1.8	24
1366	Acoustic Tweezing Cytometry Induces Rapid Initiation of Human Embryonic Stem Cell Differentiation. Scientific Reports, 2018, 8, 12977.	1.6	20
1367	Inhibiting RHOA Signaling in Mice Increases Glucose Tolerance and Numbers of Enteroendocrine and Other Secretory Cells in the Intestine. Gastroenterology, 2018, 155, 1164-1176.e2.	0.6	41

#	Article	IF	Citations
1368	Yesâ€associated protein mediates angiotensin <scp>II</scp>â€induced vascular smooth muscle cell phenotypic modulation and hypertensive vascular remodelling. Cell Proliferation, 2018, 51, e12517.	2.4	28
1369	Nuclear YAP localization as a key regulator of podocyte function. Cell Death and Disease, 2018, 9, 850.	2.7	27
1370	Nexilin/NEXN controls actin polymerization in smooth muscle and is regulated by myocardin family coactivators and YAP. Scientific Reports, 2018, 8, 13025.	1.6	18
1371	JCAD , a Gene at the 10p11 Coronary Artery Disease Locus, Regulates Hippo Signaling in Endothelial Cells. Arteriosclerosis, Thrombosis, and Vascular Biology, 2018, 38, 1711-1722.	1.1	36
1372	Caspase-3 Regulates YAP-Dependent Cell Proliferation and Organ Size. Molecular Cell, 2018, 70, 573-587.e4.	4.5	56
1373	Hair Regeneration under Stress. Journal of Investigative Dermatology, 2018, 138, 1257-1259.	0.3	2
1374	Tissue and cellular rigidity and mechanosensitive signaling activation in Alexander disease. Nature Communications, 2018, 9, 1899.	5.8	43
1375	Mechanics-guided embryonic patterning of neuroectoderm tissue from human pluripotent stem cells. Nature Materials, 2018, 17, 633-641.	13.3	174
1376	Myocardial Angiopoietin-1 Controls Atrial Chamber Morphogenesis by Spatiotemporal Degradation of Cardiac Jelly. Cell Reports, 2018, 23, 2455-2466.	2.9	26
1378	The role played by the molecular weight and acetylation degree in modulating the stiffness and elasticity of chitosan gels. Carbohydrate Polymers, 2018, 196, 405-413.	5.1	39
1379	The Hippo pathway effector Wwtr1 regulates cardiac wall maturation in zebrafish. Development (Cambridge), 2018, 145, .	1.2	28
1380	Mediator kinase CDK8/CDK19 drives YAP1-dependent BMP4-induced EMT in cancer. Oncogene, 2018, 37, 4792-4808.	2.6	49
1381	Type I collagen induces mesenchymal cell differentiation into myofibroblasts through YAP-induced TGF-Î²1 activation. Biochimie, 2018, 150, 110-130.	1.3	43
1382	STEF/TIAM2-mediated Rac1 activity at the nuclear envelope regulates the perinuclear actin cap. Nature Communications, 2018, 9, 2124.	5.8	45
1383	Perspective: Biophysical regulation of cancerous and normal blood cell lineages in hematopoietic malignancies. APL Bioengineering, 2018, 2, 031802.	3.3	12
1384	Mediating human stem cell behaviour via defined fibrous architectures by melt electrospinning writing. Acta Biomaterialia, 2018, 75, 140-151.	4.1	94
1385	miR-550a-3-5p acts as a tumor suppressor and reverses BRAF inhibitor resistance through the direct targeting of YAP. Cell Death and Disease, 2018, 9, 640.	2.7	35
1386	Integrin Î±6 and EGFR signaling converge at mechanosensitive calpain 2. Biomaterials, 2018, 178, 73-82.	5.7	21

#	Article	IF	Citations
1387	Extracellular fluid viscosity enhances liver cancer cell mechanosensing and migration. Biomaterials, 2018, 177, 113-124.	5.7	65
1388	Ingestion of Food Particles Regulates the Mechanosensing Misshapen-Yorkie Pathway in Drosophila Intestinal Growth. Developmental Cell, 2018, 45, 433-449.e6.	3.1	45
1389	FGF and TGFÎ² signaling link form and function during jaw development and evolution. Developmental Biology, 2018, 444, S219-S236.	0.9	26
1390	Incorporating mechanical strain in organs-on-a-chip: Lung and skin. Biomicrofluidics, 2018, 12, 042207.	1.2	73
1391	Structural Basis for Auto-Inhibition of the NDR1 Kinase Domain by an Atypically Long Activation Segment. Structure, 2018, 26, 1101-1115.e6.	1.6	17
1392	Mammalian Sterile20-like Kinases: Signalings and Roles in Central Nervous System. , 2018, 9, 537.		27
1393	Tunable stiffness of graphene oxide/polyacrylamide composite scaffolds regulates cytoskeleton assembly. Chemical Science, 2018, 9, 6516-6522.	3.7	22
1394	Mechanisms and impact of altered tumour mechanics. Nature Cell Biology, 2018, 20, 766-774.	4.6	201
1395	The Role of Hippo Signaling in Intestinal Homeostasis. , 2018, , 131-140.		0
1396	The Wnt Signaling Landscape of Mammary Stem Cells and Breast Tumors. Progress in Molecular Biology and Translational Science, 2018, 153, 271-298.	0.9	16
1397	Pulmonary pericytes regulate lung morphogenesis. Nature Communications, 2018, 9, 2448.	5.8	72
1398	p190 RhoGAP promotes contact inhibition in epithelial cells by repressing YAP activity. Journal of Cell Biology, 2018, 217, 3183-3201.	2.3	21
1399	YAP and TAZ regulate adherens junction dynamics and endothelial cell distribution during vascular development. ELife, 2018, 7, .	2.8	186
1400	Alternative RNA splicing in the endothelium mediated in part by Rbfox2 regulates the arterial response to low flow. ELife, 2018, 7, .	2.8	25
1401	Recent Advances in Engineering the Stem Cell Microniche in 3D. Advanced Science, 2018, 5, 1800448.	5.6	83
1402	Cell based mechanosensing in vascular patho-biology: More than a simple go-with the flow. Vascular Pharmacology, 2018, 111, 7-14.	1.0	13
1403	Development, Proliferation, and Growth of the Mammalian Heart. Molecular Therapy, 2018, 26, 1599-1609.	3.7	76
1404	Skeletal cell YAP and TAZ combinatorially promote bone development. FASEB Journal, 2018, 32, 2706-2721.	0.2	121

#	Article	IF	Citations
1405	Static magnetic field regulates proliferation, migration, differentiation and YAP/TAZ activation of human dental pulp stem cells. Journal of Tissue Engineering and Regenerative Medicine, 2018, 12, 2029-2040.	1.3	36
1406	Modulating Bone Regeneration in Rabbit Condyle Defects with Three Surface-Structured Tricalcium Phosphate Ceramics. ACS Biomaterials Science and Engineering, 2018, 4, 3347-3355.	2.6	16
1407	Changes in cardiac resident fibroblast physiology and phenotype in aging. American Journal of Physiology - Heart and Circulatory Physiology, 2018, 315, H745-H755.	1.5	22
1408	Hippo signaling dysfunction induces cancer cell addiction to YAP. Oncogene, 2018, 37, 6414-6424.	2.6	31
1409	Stem Cell Differentiation is Regulated by Extracellular Matrix Mechanics. Physiology, 2018, 33, 16-25.	1.6	191
1410	YAP/TAZ Are Essential for TGF-Î²2â€“Mediated Conjunctival Fibrosis. , 2018, 59, 3069.		54
1411	WDR1 Promotes Cell Growth and Migration and Contributes to Malignant Phenotypes of Non-small Cell Lung Cancer through ADF/cofilin-mediated Actin Dynamics. International Journal of Biological Sciences, 2018, 14, 1067-1080.	2.6	24
1412	Trans-scale mechanotransductive cascade of biochemical and biomechanical patterning in embryonic development: the light side of the force. Current Opinion in Cell Biology, 2018, 55, 111-118.	2.6	18
1413	Interplay between YAP/TAZ and Metabolism. Cell Metabolism, 2018, 28, 196-206.	7.2	281
1414	FSP1-positive fibroblasts are adipogenic niche and regulate adipose homeostasis. PLoS Biology, 2018, 16, e2001493.	2.6	31
1415	Pericyte-like spreading by disseminated cancer cells activates YAP and MRTF for metastatic colonization. Nature Cell Biology, 2018, 20, 966-978.	4.6	186
1416	Cellular Mechanotransduction: From Tension to Function. Frontiers in Physiology, 2018, 9, 824.	1.3	594
1417	Fascin induces melanoma tumorigenesis and stemness through regulating the Hippo pathway. Cell Communication and Signaling, 2018, 16, 37.	2.7	23
1418	Proliferation and differentiation of rat adiposeâ€‘derived stem cells are regulated by yesâ€‘associated protein. International Journal of Molecular Medicine, 2018, 42, 1526-1536.	1.8	3
1419	Developing a high-throughput platform to direct adipogenic and osteogenic differentiation in adipose-derived stem cells. Journal of Tissue Engineering and Regenerative Medicine, 2018, 12, 2021-2028.	1.3	8
1420	Micro- and nanopatterning of biomaterial surfaces. , 2018, , 67-78.		12
1421	Contact inhibition controls cell survival and proliferation via YAP/TAZ-autophagy axis. Nature Communications, 2018, 9, 2961.	5.8	193
1422	Cold-induced protein RBM3 orchestrates neurogenesis via modulating Yap mRNA stability in cold stress. Journal of Cell Biology, 2018, 217, 3464-3479.	2.3	47

#	Article	IF	Citations
1423	Yorkie Functions at the Cell Cortex to Promote Myosin Activation in a Non-transcriptional Manner. Developmental Cell, 2018, 46, 271-284.e5.	3.1	39
1424	Linking Extracellular Matrix Agrin to the Hippo Pathway in Liver Cancer and Beyond. Cancers, 2018, 10, 45.	1.7	43
1425	<scp>AMOT</scp>130 linking Fâ€actin to <scp>YAP</scp> is involved in intervertebral disc degeneration. Cell Proliferation, 2018, 51, e12492.	2.4	22
1426	Î²1 integrins mediate the BMP2 dependent transcriptional control of osteoblast differentiation and osteogenesis. PLoS ONE, 2018, 13, e0196021.	1.1	22
1427	YAP/TAZ upstream signals and downstream responses. Nature Cell Biology, 2018, 20, 888-899.	4.6	647
1428	Sphingosine-1-phosphate induces airway smooth muscle cell proliferation, migration, and contraction by modulating Hippo signaling effector YAP. American Journal of Physiology - Lung Cellular and Molecular Physiology, 2018, 315, L609-L621.	1.3	32
1429	The Role of the RhoA/ROCK Signaling Pathway in Mechanical Strain-Induced Scleral Myofibroblast Differentiation. , 2018, 59, 3619.		35
1430	Adaptable Fast Relaxing Boronateâ€Based Hydrogels for Probing Cellâ€“Matrix Interactions. Advanced Science, 2018, 5, 1800638.	5.6	143
1431	Vinexin family (SORBS) proteins regulate mechanotransduction in mesenchymal stem cells. Scientific Reports, 2018, 8, 11581.	1.6	13
1432	EGF Receptorâ€“Dependent YAP Activation Is Important for Renal Recovery from AKI. Journal of the American Society of Nephrology: JASN, 2018, 29, 2372-2385.	3.0	78
1433	Activation of human aortic valve interstitial cells by local stiffness involves YAP-dependent transcriptional signaling. Biomaterials, 2018, 181, 268-279.	5.7	31
1434	A systems mechanobiology model to predict cardiac reprogramming outcomes on different biomaterials. Biomaterials, 2018, 181, 280-292.	5.7	13
1435	Mechanobiology of the corneal epithelium. Experimental Eye Research, 2018, 177, 122-129.	1.2	49
1436	Mechanotransduction and cell biomechanics of the intervertebral disc. JOR Spine, 2018, 1, e1026.	1.5	91
1437	Low-Intensity Pulsed Ultrasound Protects Retinal Ganglion Cell From Optic Nerve Injury Induced Apoptosis via Yes Associated Protein. Frontiers in Cellular Neuroscience, 2018, 12, 160.	1.8	31
1438	STARD13-correlated ceRNA network-directed inhibition on YAP/TAZ activity suppresses stemness of breast cancer via co-regulating Hippo and Rho-GTPase/F-actin signaling. Journal of Hematology and Oncology, 2018, 11, 72.	6.9	106
1439	YAP/TAZ Activation as a Target for Treating Metastatic Cancer. Cancers, 2018, 10, 115.	1.7	123
1440	TGF-Î² Sustains Tumor Progression through Biochemical and Mechanical Signal Transduction. Cancers, 2018, 10, 199.	1.7	32

#	Article	IF	Citations
1441	Application of Composite Hydrogels to Control Physical Properties in Tissue Engineering and Regenerative Medicine. Gels, 2018, 4, 51.	2.1	30
1442	Alternative Splicing in the Hippo Pathwayâ€"Implications for Disease and Potential Therapeutic Targets. Genes, 2018, 9, 161.	1.0	16
1443	Zebrafish mutants and TEAD reporters reveal essential functions for Yap and Taz in posterior cardinal vein development. Scientific Reports, 2018, 8, 10189.	1.6	42
1444	Actin-Based Cell Protrusion in a 3D Matrix. Trends in Cell Biology, 2018, 28, 823-834.	3.6	128
1445	Mechanoregulation of Wound Healing and Skin Homeostasis. Recent Clinical Techniques, Results, and Research in Wounds, 2018, , 461-477.	0.1	2
1446	Perspective: bidirectional exosomal transport between cancer stem cells and their fibroblast-rich microenvironment during metastasis formation. Npj Breast Cancer, 2018, 4, 18.	2.3	23
1447	Three-dimensional brain-like microenvironments facilitate the direct reprogramming of fibroblasts into therapeutic neurons. Nature Biomedical Engineering, 2018, 2, 522-539.	11.6	86
1448	PGC-1Î± Controls Skeletal Stem Cell Fate and Bone-Fat Balance in Osteoporosis and Skeletal Aging by Inducing TAZ. Cell Stem Cell, 2018, 23, 193-209.e5.	5.2	108
1449	Every step of the way: integrins in cancer progression and metastasis. Nature Reviews Cancer, 2018, 18, 533-548.	12.8	960
1450	Biomechanics of epithelial fold pattern formation in the mouse female reproductive tract. Current Opinion in Genetics and Development, 2018, 51, 59-66.	1.5	6
1451	Mechanical confinement via a PEG/Collagen interpenetrating network inhibits behavior characteristic of malignant cells in the triple negative breast cancer cell line MDA.MB.231. Acta Biomaterialia, 2018, 77, 85-95.	4.1	26
1452	Microenvironment-Cell Nucleus Relationship in the Context of Oxidative Stress. Frontiers in Cell and Developmental Biology, 2018, 6, 23.	1.8	27
1453	Micropatterning as a tool to identify regulatory triggers and kinetics of actin-mediated endothelial mechanosensing. Journal of Cell Science, 2018, 131, .	1.2	23
1454	Vascular differentiation from pluripotent stem cells in 3â€Ð auxetic scaffolds. Journal of Tissue Engineering and Regenerative Medicine, 2018, 12, 1679-1689.	1.3	21
1455	Expression of the Hippo transducer TAZ in association with WNT pathway mutations impacts survival outcomes in advanced gastric cancer patients treated with first-line chemotherapy. Journal of Translational Medicine, 2018, 16, 22.	1.8	13
1456	Î±II-spectrin and Î²II-spectrin do not affect TGFÎ²1-induced myofibroblast differentiation. Cell and Tissue Research, 2018, 374, 165-175.	1.5	3
1457	The mechanical microenvironment regulates ovarian cancer cell morphology, migration, and spheroid disaggregation. Scientific Reports, 2018, 8, 7228.	1.6	126
1458	Rho signaling research: history, current status and future directions. FEBS Letters, 2018, 592, 1763-1776.	1.3	120

#	Article	IF	Citations
1459	Material microenvironmental properties couple to induce distinct transcriptional programs in mammalian stem cells. Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, E8368-E8377.	3.3	93
1460	Phenotypic Basis for Matrix Stiffness-Dependent Chemoresistance of Breast Cancer Cells to Doxorubicin. Frontiers in Oncology, 2018, 8, 337.	1.3	89
1461	The ERM family member Merlin is required for endometrial gland morphogenesis. Developmental Biology, 2018, 442, 301-314.	0.9	10
1462	Molecular Mechanisms Driving Cholangiocarcinoma Invasiveness: An Overview. Gene Expression, 2018, 18, 31-50.	0.5	16
1463	Techniques for studying mechanobiology. , 2018, , 1-53.		2
1464	A cell culture condition that induces the mesenchymal-epithelial transition of dedifferentiated porcine retinal pigment epithelial cells. Experimental Eye Research, 2018, 177, 160-172.	1.2	15
1465	Mechanobiological Feedback in Pulmonary Vascular Disease. Frontiers in Physiology, 2018, 9, 951.	1.3	23
1466	Building Principles for Constructing a Mammalian Blastocyst Embryo. Biology, 2018, 7, 41.	1.3	27
1467	Cell tension and mechanical regulation of cell volume. Molecular Biology of the Cell, 2018, 29, 0-0.	0.9	64
1468	Yap/Taz mediates mTORC2-stimulated fibroblast activation and kidney fibrosis. Journal of Biological Chemistry, 2018, 293, 16364-16375.	1.6	43
1469	Pre-Conditioning Stem Cells in a Biomimetic Environment for Enhanced Cardiac Tissue Repair: In Vitro and In Vivo Analysis. Cellular and Molecular Bioengineering, 2018, 11, 321-336.	1.0	7
1470	The Hippo pathway in the heart: pivotal roles in development, disease, and regeneration. Nature Reviews Cardiology, 2018, 15, 672-684.	6.1	252
1471	Geometrical confinement controls the asymmetric patterning of Brachyury in cultures of pluripotent cells. Development (Cambridge), 2018, 145, .	1.2	44
1472	TRPS1 shapes YAP/TEAD-dependent transcription in breast cancer cells. Nature Communications, 2018, 9, 3115.	5.8	58
1473	Stem cell bioengineering: building from stem cell biology. Nature Reviews Genetics, 2018, 19, 595-614.	7.7	76
1474	RAP2 mediates mechanoresponses of the Hippo pathway. Nature, 2018, 560, 655-660.	13.7	266
1475	YAP promotes osteogenesis and suppresses adipogenic differentiation by regulating Î²-catenin signaling. Bone Research, 2018, 6, 18.	5.4	193
1476	Substrate deformations induce directed keratinocyte migration. Journal of the Royal Society Interface, 2018, 15, 20180133.	1.5	12

#	Article	IF	Citations
1477	A RhoAâ€“YAPâ€“c-Myc signaling axis promotes the development of polycystic kidney disease. Genes and Development, 2018, 32, 781-793.	2.7	94
1478	YAP and MRTF-A, transcriptional co-activators of RhoA-mediated gene expression, are critical for glioblastoma tumorigenicity. Oncogene, 2018, 37, 5492-5507.	2.6	49
1479	Regulation of Mesenchymal Stem Cell Differentiation by Nanopatterning of Bulk Metallic Glass. Scientific Reports, 2018, 8, 8758.	1.6	41
1480	Review: Mechanotransduction in ovarian cancer: Shearing into the unknown. APL Bioengineering, 2018, 2, 031701.	3.3	45
1481	Actin cytoskeleton assembly regulates collagen production via TGFâ€î² type II receptor in human skin fibroblasts. Journal of Cellular and Molecular Medicine, 2018, 22, 4085-4096.	1.6	35
1482	Regulation of Yes-Associated Protein by Laminar Flow. Annals of Vascular Surgery, 2018, 52, 183-191.	0.4	4
1483	Quantitative Analysis Reveals that Actin and Src-Family Kinases Regulate Nuclear YAP1 and Its Export. Cell Systems, 2018, 6, 692-708.e13.	2.9	98
1484	The Physical and Biochemical Properties of the Extracellular Matrix Regulate Cell Fate. Current Topics in Developmental Biology, 2018, 130, 1-37.	1.0	179
1485	An immortalised mesenchymal stem cell line maintains mechano-responsive behaviour and can be used as a reporter of substrate stiffness. Scientific Reports, 2018, 8, 8981.	1.6	31
1486	Targeting the Hippo Pathway to Improve Response to Chemotherapy. , 2019, , 169-185.		2
1487	Adjustable viscoelasticity allows for efficient collective cell migration. Seminars in Cell and Developmental Biology, 2019, 93, 55-68.	2.3	87
1488	Reprogramming the Stem Cell Behavior by Shear Stress and Electric Field Stimulation: Lab-on-a-Chip Based Biomicrofluidics in Regenerative Medicine. Regenerative Engineering and Translational Medicine, 2019, 5, 99-127.	1.6	11
1489	Type I collagen-induced YAP nuclear expression promotes primary cilia growth and contributes to cell migration in confluent mouse embryo fibroblast 3T3-L1 cells. Molecular and Cellular Biochemistry, 2019, 450, 87-96.	1.4	17
1490	Developmental pathways in the pathogenesis of lung fibrosis. Molecular Aspects of Medicine, 2019, 65, 56-69.	2.7	284
1491	Mechanical Determinants of Tissue Development. , 2019, , 391-404.		0
1492	Physical Stress as a Factor in Tissue Growth and Remodeling. , 2019, , 417-436.		0
1493	Regulation of mechanotransduction: Emerging roles for septins. Cytoskeleton, 2019, 76, 115-122.	1.0	29
1494	YAP and TAZ, the conductors that orchestrate eye development, homeostasis, and disease. Journal of Cellular Physiology, 2019, 234, 246-258.	2.0	16

#	Article	IF	Citations
1495	Cirrhotic stiffness affects the migration of hepatocellular carcinoma cells and induces sorafenib resistance through YAP. Journal of Cellular Physiology, 2019, 234, 2639-2648.	2.0	27
1496	Topographic cues of a novel bilayered scaffold modulate dental pulp stem cells differentiation by regulating YAP signalling through cytoskeleton adjustments. Cell Proliferation, 2019, 52, e12676.	2.4	26
1497	Adaptable boronate ester hydrogels with tunable viscoelastic spectra to probe timescale dependent mechanotransduction. Biomaterials, 2019, 223, 119430.	5.7	59
1498	YAP and TAZ Regulate Cc2d1b and Purî² in Schwann Cells. Frontiers in Molecular Neuroscience, 2019, 12, 177.	1.4	9
1499	Matrix stiffness regulates the interactions between endothelial cells and monocytes. Biomaterials, 2019, 221, 119362.	5.7	38
1500	Myosin-II mediated traction forces evoke localized Piezo1-dependent Ca2+ flickers. Communications Biology, 2019, 2, 298.	2.0	141
1501	Viscoelasticity in natural tissues and engineered scaffolds for tissue reconstruction. Acta Biomaterialia, 2019, 97, 74-92.	4.1	88
1502	Regulatory networks in mechanotransduction reveal key genes in promoting cancer cell stemness and proliferation. Oncogene, 2019, 38, 6818-6834.	2.6	34
1503	Dropwort-induced metabolic reprogramming restrains YAP/TAZ/TEAD oncogenic axis in mesothelioma. Journal of Experimental and Clinical Cancer Research, 2019, 38, 349.	3.5	13
1504	Cell phenotypic plasticity requires autophagic flux driven by YAP/TAZ mechanotransduction. Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 17848-17857.	3.3	98
1505	The LINC complex, mechanotransduction, and mesenchymal stem cell function and fate. Journal of Biological Engineering, 2019, 13, 68.	2.0	91
1506	Targeting Mechanics-Induced Fibroblast Activation through CD44-RhoA-YAP Pathway Ameliorates Crystalline Silica-Induced Silicosis. Theranostics, 2019, 9, 4993-5008.	4.6	65
1507	Method for the Direct Fabrication of Polyacrylamide Hydrogels with Controlled Stiffness in Polystyrene Multiwell Plates for Mechanobiology Assays. ACS Biomaterials Science and Engineering, 2019, 5, 4219-4227.	2.6	18
1508	The Hippo pathway modulates resistance to BET proteins inhibitors in lung cancer cells. Oncogene, 2019, 38, 6801-6817.	2.6	54
1509	Beyond proteases: Basement membrane mechanics and cancer invasion. Journal of Cell Biology, 2019, 218, 2456-2469.	2.3	146
1510	Discovery of 1,8-disubstituted-[1,2,3]triazolo[4,5-c]quinoline derivatives as a new class of Hippo signaling pathway inhibitors. Bioorganic and Medicinal Chemistry Letters, 2019, 29, 2595-2603.	1.0	5
1511	Rho Signaling-Directed YAP/TAZ Regulation Encourages 3D Spheroid Colony Formation and Boosts Plasticity of Parthenogenetic Stem Cells. Advances in Experimental Medicine and Biology, 2019, 1237, 49-60.	0.8	3
1512	On the relationship of YAP and FAK in hMSCs and osteosarcoma cells: Discrimination of FAK modulation by nuclear YAP depletion or YAP silencing. Cellular Signalling, 2019, 63, 109382.	1.7	18

#	Article	IF	Citations
1513	Spatial Regulation of Mitochondrial Heterogeneity by Stromal Confinement in Micropatterned Tumor Models. Scientific Reports, 2019, 9, 11187.	1.6	15
1514	Nuclear envelope deformation controls cell cycle progression in response to mechanical force. EMBO Reports, 2019, 20, e48084.	2.0	71
1515	The Hippo Signaling Pathway in Development and Disease. Developmental Cell, 2019, 50, 264-282.	3.1	522
1516	Multiple Influences of Mechanical Forces on Cell Competition. Current Biology, 2019, 29, R762-R774.	1.8	46
1517	Mechanical strain induces a pro-fibrotic phenotype in human mitral valvular interstitial cells through RhoC/ROCK/MRTF-A and Erk1/2 signaling pathways. Journal of Molecular and Cellular Cardiology, 2019, 135, 149-159.	0.9	23
1518	Mammographic Density: Intersection of Advocacy, Science, and Clinical Practice. Current Breast Cancer Reports, 2019, 11, 100-110.	0.5	1
1519	Impaired Mitochondrial ATP Production Downregulates Wnt Signaling via ER Stress Induction. Cell Reports, 2019, 28, 1949-1960.e6.	2.9	56
1520	Mechanosensitive pathways controlling translation regulatory processes in skeletal muscle and implications for adaptation. Journal of Applied Physiology, 2019, 127, 608-618.	1.2	28
1521	Sustained Oscillations of Epithelial Cell Sheets. Biophysical Journal, 2019, 117, 464-478.	0.2	100
1522	Integrin signaling: linking mechanical stimulation to skeletal muscle hypertrophy. American Journal of Physiology - Cell Physiology, 2019, 317, C629-C641.	2.1	84
1523	Endothelial Cell Mechano-Metabolomic Coupling to Disease States in the Lung Microvasculature. Frontiers in Bioengineering and Biotechnology, 2019, 7, 172.	2.0	33
1524	Mechanochemical Signaling of the Extracellular Matrix in Epithelial-Mesenchymal Transition. Frontiers in Cell and Developmental Biology, 2019, 7, 135.	1.8	91
1526	Physical impacts of PLGA scaffolding on hMSCs: Recovery neurobiology insight for implant design to treat spinal cord injury. Experimental Neurology, 2019, 320, 112980.	2.0	19
1527	Contributions of Fibroblasts, Extracellular Matrix, Stiffness, and Mechanosensing to Hepatocarcinogenesis. Seminars in Liver Disease, 2019, 39, 315-333.	1.8	33
1528	Connections between the cell cycle, cell adhesion and the cytoskeleton. Philosophical Transactions of the Royal Society B: Biological Sciences, 2019, 374, 20180227.	1.8	102
1529	Local Vibration Stimuli Induce Mechanical Stress-Induced Factors and Facilitate Recovery From Immobilization-Induced Oxidative Myofiber Atrophy in Rats. Frontiers in Physiology, 2019, 10, 759.	1.3	9
1530	Î²-arrestin1/YAP/mutant p53 complexes orchestrate the endothelin A receptor signaling in high-grade serous ovarian cancer. Nature Communications, 2019, 10, 3196.	5.8	40
1531	Biophysical regulation of epidermal fate and function. Advances in Stem Cells and Their Niches, 2019, 3, 1-30.	0.1	1

#	Article	IF	Citations
1532	The Hippo network kinase STK38 contributes to protein homeostasis by inhibiting BAG3-mediated autophagy. Biochimica Et Biophysica Acta - Molecular Cell Research, 2019, 1866, 1556-1566.	1.9	20
1533	Mastering their own fates through the matrix. Nature Materials, 2019, 18, 779-780.	13.3	6
1534	Intercellular interaction dictates cancer cell ferroptosis via NF2â€“YAP signalling. Nature, 2019, 572, 402-406.	13.7	617
1535	Targeting Cancer Cell Metastasis by Converting Cancer Cells into Fat. Cancer Research, 2019, 79, 5471-5475.	0.4	29
1536	Distinct Binding Interactions of Î±5Î²1-Integrin and Proteoglycans with Fibronectin. Biophysical Journal, 2019, 117, 688-695.	0.2	14
1537	Role of Tricellular Tight Junction Protein Lipolysis-Stimulated Lipoprotein Receptor (LSR) in Cancer Cells. International Journal of Molecular Sciences, 2019, 20, 3555.	1.8	20
1538	Targeting cell surface GRP78 enhances pancreatic cancer radiosensitivity through YAP/TAZ protein signaling. Journal of Biological Chemistry, 2019, 294, 13939-13952.	1.6	32
1539	A Review of in vitro Platforms for Understanding Cardiomyocyte Mechanobiology. Frontiers in Bioengineering and Biotechnology, 2019, 7, 133.	2.0	18
1540	Extracellular matrix type modulates mechanotransduction of stem cells. Acta Biomaterialia, 2019, 96, 310-320.	4.1	80
1541	Elevated cyclic-AMP represses expression of exchange protein activated by cAMP (EPAC1) by inhibiting YAP-TEAD activity and HDAC-mediated histone deacetylation. Biochimica Et Biophysica Acta - Molecular Cell Research, 2019, 1866, 1634-1649.	1.9	10
1542	Mechanochemical Feedback Loops in Development and Disease. Cell, 2019, 178, 12-25.	13.5	270
1543	The mechanical stability of proteins regulates their translocation rate into the cell nucleus. Nature Physics, 2019, 15, 973-981.	6.5	36
1544	The Hippo Signaling Pathway in Pancreatic Cancer. Anticancer Research, 2019, 39, 3317-3321.	0.5	69
1545	Epiblast Formation by TEAD-YAP-Dependent Expression of Pluripotency Factors and Competitive Elimination of Unspecified Cells. Developmental Cell, 2019, 50, 139-154.e5.	3.1	92
1546	YAP and TAZ: a signalling hub of the tumour microenvironment. Nature Reviews Cancer, 2019, 19, 454-464.	12.8	252
1547	Lats1andLats2are required for ovarian granulosa cell fate maintenance. FASEB Journal, 2019, 33, 10819-10832.	0.2	24
1548	CCN1â€“Yes-Associated Protein Feedback Loop Regulates Physiological and Pathological Angiogenesis. Molecular and Cellular Biology, 2019, 39, .	1.1	19
1549	Exploring single cells in space and time during tissue development, homeostasis and regeneration. Development (Cambridge), 2019, 146, .	1.2	51

#	Article	IF	Citations
1550	Yap/Taz-TEAD activity links mechanical cues to progenitor cell behavior during zebrafish hindbrain segmentation. Development (Cambridge), 2019, 146, .	1.2	33
1551	<scp>ROCK</scp> 2 inhibition triggers the collective invasion of colorectal adenocarcinomas. EMBO Journal, 2019, 38, e99299.	3.5	48
1552	Nanotopography on titanium promotes osteogenesis via autophagy-mediated signaling between YAP and Î²-catenin. Acta Biomaterialia, 2019, 96, 674-685.	4.1	62
1553	Mechanical regulation of nucleocytoplasmic translocation in mesenchymal stem cells: characterization and methods for investigation. Biophysical Reviews, 2019, 11, 817-831.	1.5	22
1554	Designing Microenvironments for Optimal Outcomes in Tissue Engineering and Regenerative Medicine: From Biopolymers to Culturing Conditions. , 2019, , 119-119.		1
1555	The Vicious Cycle of Arterial Stiffness and Arterial Media Calcification. Trends in Molecular Medicine, 2019, 25, 1133-1146.	3.5	59
1556	The Hippo pathway integrates PI3Kâ€“Akt signals with mechanical and polarity cues to control tissue growth. PLoS Biology, 2019, 17, e3000509.	2.6	73
1557	Biopsying, fragmentation and autotransplantation of fresh ovarian cortical tissue in infertile women with diminished ovarian reserve. Human Reproduction, 2019, 34, 1924-1936.	0.4	40
1558	Control of cellular responses to mechanical cues through YAP/TAZ regulation. Journal of Biological Chemistry, 2019, 294, 17693-17706.	1.6	206
1559	Cell confinement reveals a branched-actin independent circuit for neutrophil polarity. PLoS Biology, 2019, 17, e3000457.	2.6	54
1560	YAP integrates the regulatory Snail/HNF4Î± circuitry controlling epithelial/hepatocyte differentiation. Cell Death and Disease, 2019, 10, 768.	2.7	28
1561	Spatiotemporal Control of Viscoelasticity in Phototunable Hyaluronic Acid Hydrogels. Biomacromolecules, 2019, 20, 4126-4134.	2.6	81
1562	Aberrant mechanosensing in injured intervertebral discs as a result of boundary-constraint disruption and residual-strain loss. Nature Biomedical Engineering, 2019, 3, 998-1008.	11.6	58
1563	Mechanosensitive transcriptional coactivators MRTFâ€A and YAP/TAZ regulate nucleus pulposus cell phenotype through cell shape. FASEB Journal, 2019, 33, 14022-14035.	0.2	56
1564	The Hippo signaling effector WWTR1 is a metastatic biomarker of gastric cardia adenocarcinoma. Cancer Cell International, 2019, 19, 74.	1.8	16
1565	Actomyosin contractility scales with myoblast elongation and enhances differentiation through YAP nuclear export. Scientific Reports, 2019, 9, 15565.	1.6	47
1566	MK5 Regulates YAP Stability and Is a Molecular Target in YAP-Driven Cancers. Cancer Research, 2019, 79, 6139-6152.	0.4	24
1567	Surface Epitaxial Crystallization-Directed Nanotopography for Accelerating Preosteoblast Proliferation and Osteogenic Differentiation. ACS Applied Materials & Interfaces, 2019, 11, 42956-42963.	4.0	12

#	Article	IF	Citations
1568	Volume Adaptation Controls Stem Cell Mechanotransduction. ACS Applied Materials & Interfaces, 2019, 11, 45520-45530.	4.0	57
1569	Shared and distinct mechanisms of fibrosis. Nature Reviews Rheumatology, 2019, 15, 705-730.	3.5	331
1570	<scp>STK</scp> 38 kinase acts as <scp>XPO</scp> 1 gatekeeper regulating the nuclear export of autophagy proteins and other cargoes. EMBO Reports, 2019, 20, e48150.	2.0	34
1571	Sphingosine 1-Phosphate (S1P)/ S1P Receptor Signaling and Mechanotransduction: Implications for Intrinsic Tissue Repair/Regeneration. International Journal of Molecular Sciences, 2019, 20, 5545.	1.8	32
1572	Mechanical Cues for T Cell Activation: Role of Piezo1 Mechanosensors. Critical Reviews in Immunology, 2019, 39, 15-38.	1.0	16
1573	Selective YAP/TAZ inhibition in fibroblasts via dopamine receptor D1 agonism reverses fibrosis. Science Translational Medicine, 2019, 11, .	5.8	134
1574	Pure iso-type systems. Journal of Functional Programming, 2019, 29, .	0.5	4
1575	Bridging 2D and 3D culture: Probing impact of extracellular environment on fibroblast activation in layered hydrogels. AICHE Journal, 2019, 65, e16837.	1.8	22
1576	Atoh1 ⁺ secretory progenitors possess renewal capacity independent of Lgr5 ⁺ cells during colonic regeneration. EMBO Journal, 2019, 38, .	3.5	56
1577	Closer to Nature Through Dynamic Culture Systems. Cells, 2019, 8, 942.	1.8	7
1578	Chiral geometry regulates stem cell fate and activity. Biomaterials, 2019, 222, 119456.	5.7	26
1579	Molecular-Level Interactions between Engineered Materials and Cells. International Journal of Molecular Sciences, 2019, 20, 4142.	1.8	12
1580	Molecular and cellular mechanisms underlying the evolution of form and function in the amniote jaw. EvoDevo, 2019, 10, 17.	1.3	17
1581	Magneto-mechanical actuation of magnetic responsive fibrous scaffolds boosts tenogenesis of human adipose stem cells. Nanoscale, 2019, 11, 18255-18271.	2.8	68
1582	Targeting the Mevalonate Pathway to Overcome Acquired Anti-HER2 Treatment Resistance in Breast Cancer. Molecular Cancer Research, 2019, 17, 2318-2330.	1.5	41
1583	YAP/TAZ Related BioMechano Signal Transduction and Cancer Metastasis. Frontiers in Cell and Developmental Biology, 2019, 7, 199.	1.8	11
1584	Wnt4 from the Niche Controls the Mechano-Properties and Quiescent State of Muscle Stem Cells. Cell Stem Cell, 2019, 25, 654-665.e4.	5.2	117
1585	Building a microfluidic cell culture platform with stiffness control using Loctite 3525 glue. Lab on A Chip, 2019, 19, 3512-3525.	3.1	9

#	Article	IF	Citations
1586	Dchs1-Fat4 regulation of osteogenic differentiation in mouse. Development (Cambridge), 2019, 146, .	1.2	17
1587	Dasatinib Promotes Chondrogenic Differentiation of Human Mesenchymal Stem Cells via the Src/Hippo-YAP Signaling Pathway. ACS Biomaterials Science and Engineering, 2019, 5, 5255-5265.	2.6	11
1588	A new, easily generated mouse model of diabetic kidney fibrosis. Scientific Reports, 2019, 9, 12549.	1.6	9
1589	The Role of the Optical Stretcher Is Crucial in the Investigation of Cell Mechanics Regulating Cell Adhesion and Motility. Frontiers in Cell and Developmental Biology, 2019, 7, 184.	1.8	36
1590	The Role of Stiffness in Cell Reprogramming: A Potential Role for Biomaterials in Inducing Tissue Regeneration. Cells, 2019, 8, 1036.	1.8	72
1591	Fluorescence polarization assay for the identification and evaluation of inhibitors at YAPâ€“TEAD proteinâ€“protein interface 3. Analytical Biochemistry, 2019, 586, 113413.	1.1	17
1592	Mechanobiology of cells and cell systems, such as organoids. Biophysical Reviews, 2019, 11, 721-728.	1.5	22
1593	Electrostatic switching of nuclear basket conformations provides a potential mechanism for nuclear mechanotransduction. Journal of the Mechanics and Physics of Solids, 2019, 133, 103705.	2.3	4
1594	Biomechanical studies on biomaterial degradation and co-cultured cells: mechanisms, potential applications, challenges and prospects. Journal of Materials Chemistry B, 2019, 7, 7439-7459.	2.9	33
1595	YAP and TAZ regulate cell volume. Journal of Cell Biology, 2019, 218, 3472-3488.	2.3	39
1596	Hippo signalling during development. Development (Cambridge), 2019, 146, .	1.2	83
1597	Longer collagen fibers trigger multicellular streaming on soft substrates via enhanced forces and cell-cell cooperation. Journal of Cell Science, 2019, 132, .	1.2	13
1598	Cost-Effective Cosmetic-Grade Hyaluronan Hydrogels for ReNcell VM Human Neural Stem Cell Culture. Biomolecules, 2019, 9, 515.	1.8	7
1599	Cell mechanosensing is regulated by substrate strain energy rather than stiffness. Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 22004-22013.	3.3	60
1600	Leveraging Biomaterial Mechanics to Improve Pluripotent Stem Cell Applications for Tissue Engineering. Frontiers in Bioengineering and Biotechnology, 2019, 7, 260.	2.0	19
1601	Understanding Multicellularity: The Functional Organization of the Intercellular Space. Frontiers in Physiology, 2019, 10, 1170.	1.3	49
1602	Varying solvent type modulates collagen coating and stem cell mechanotransduction on hydrogel substrates. APL Bioengineering, 2019, 3, 036108.	3.3	9
1603	The E-Cadherin and N-Cadherin Switch in Epithelial-to-Mesenchymal Transition: Signaling, Therapeutic Implications, and Challenges. Cells, 2019, 8, 1118.	1.8	703

#	Article	IF	Citations
1604	Stem Cells and Cellular Origins of Breast Cancer: Updates in the Rationale, Controversies, and Therapeutic Implications. Frontiers in Oncology, 2019, 9, 820.	1.3	54
1605	Five Piconewtons: The Difference between Osteogenic and Adipogenic Fate Choice in Human Mesenchymal Stem Cells. ACS Nano, 2019, 13, 11129-11143.	7.3	47
1606	Co-targeting Bulk Tumor and CSCs in Clinically Translatable TNBC Patient-Derived Xenografts via Combination Nanotherapy. Molecular Cancer Therapeutics, 2019, 18, 1755-1764.	1.9	17
1607	The effect of YAP expression in tumor cells and tumor stroma on the prognosis of patients with squamous cell carcinoma of the oral cavity floor and oral surface of the tongue. Oncology Letters, 2019, 18, 3561-3570.	0.8	9
1608	A PINCH-1â€“Smurf1 signaling axis mediates mechano-regulation of BMPR2 and stem cell differentiation. Journal of Cell Biology, 2019, 218, 3773-3794.	2.3	11
1609	Impact of Mechanobiological Perturbation in Cartilage Tissue Engineering. , 2019, , 379-392.		2
1610	How the mechanobiome drives cell behavior, viewed through the lens of control theory. Journal of Cell Science, 2019, 132, .	1.2	23
1611	Mechanically tunable coaxial electrospun models of YAP/TAZ mechanoresponse and IGF-1R activation in osteosarcoma. Acta Biomaterialia, 2019, 100, 38-51.	4.1	33
1612	Transcriptome profiling of human papillary and reticular fibroblasts from adult interfollicular dermis pinpoints the â€˜tissue skeletonâ€™ gene network as a component of skin chrono-ageing. Mechanisms of Ageing and Development, 2019, 179, 60-77.	2.2	23
1613	Macromolecular crowding tunes 3D collagen architecture and cell morphogenesis. Biomaterials Science, 2019, 7, 618-633.	2.6	37
1614	Phytochromeâ€Based Extracellular Matrix with Reversibly Tunable Mechanical Properties. Advanced Materials, 2019, 31, e1806727.	11.1	104
1615	Volume expansion and TRPV4 activation regulate stem cell fate in three-dimensional microenvironments. Nature Communications, 2019, 10, 529.	5.8	128
1616	Influence of the extracellular matrix on cell-intrinsic circadian clocks. Journal of Cell Science, 2019, 132, .	1.2	30
1617	Lymphocyte mechanotransduction: The regulatory role of cytoskeletal dynamics in signaling cascades and effector functions. Journal of Leukocyte Biology, 2019, 105, 1261-1273.	1.5	9
1618	Mechanical regulation of gene expression in cardiac myocytes and fibroblasts. Nature Reviews Cardiology, 2019, 16, 361-378.	6.1	134
1619	Current perspectives of cancer-associated fibroblast in therapeutic resistance: potential mechanism and future strategy. Cell Biology and Toxicology, 2019, 35, 407-421.	2.4	43
1620	The role of lamin A/C in mesenchymal stem cell differentiation. Journal of Physiology and Biochemistry, 2019, 75, 11-18.	1.3	21
1621	Solvent-Induced Nanotopographies of Single Microfibers Regulate Cell Mechanotransduction. ACS Applied Materials & Interfaces, 2019, 11, 7671-7685.	4.0	32

#	Article	IF	Citations
1622	Yesâ€associated protein promotes cell migration via activating Wiskottâ€Aldrich syndrome protein family member 1 in oral squamous cell carcinoma. Journal of Oral Pathology and Medicine, 2019, 48, 290-298.	1.4	12
1623	Extracellular matrix mechanical cues regulate lipid metabolism through Lipin-1 and SREBP. Nature Cell Biology, 2019, 21, 338-347.	4.6	135
1624	A scalable filtration method for high throughput screening based on cell deformability. Lab on A Chip, 2019, 19, 343-357.	3.1	24
1625	Quantifying Cancer Epithelial-Mesenchymal Plasticity and its Association with Stemness and Immune Response. Journal of Clinical Medicine, 2019, 8, 725.	1.0	63
1626	PEGâ€“Anthracene Hydrogels as an Onâ€Demand Stiffening Matrix To Study Mechanobiology. Angewandte Chemie, 2019, 131, 10017-10021.	1.6	19
1627	The Myb-MuvB Complex Is Required for YAP-Dependent Transcription of Mitotic Genes. Cell Reports, 2019, 27, 3533-3546.e7.	2.9	45
1628	Regulation of TEAD Transcription Factors in Cancer Biology. Cells, 2019, 8, 600.	1.8	159
1629	Conformational manipulation of scale-up prepared single-chain polymeric nanogels for multiscale regulation of cells. Nature Communications, 2019, 10, 2705.	5.8	60
1630	PCL/EUG scaffolds with tunable stiffness can regulate macrophage secretion behavior. Progress in Biophysics and Molecular Biology, 2019, 148, 4-11.	1.4	21
1631	YAP promotes neural crest emigration through interactions with BMP and Wnt activities. Cell Communication and Signaling, 2019, 17, 69.	2.7	33
1632	Dynamic adaptation of mesenchymal stem cell physiology upon exposure to surface micropatterns. Scientific Reports, 2019, 9, 9099.	1.6	36
1633	Recycling Endosomes in Mature Epithelia Restrain Tumorigenic Signaling. Cancer Research, 2019, 79, 4099-4112.	0.4	26
1634	Switch-like enhancement of epithelial-mesenchymal transition by YAP through feedback regulation of WT1 and Rho-family GTPases. Nature Communications, 2019, 10, 2797.	5.8	105
1635	Organoids by design. Science, 2019, 364, 956-959.	6.0	244
1636	Dedifferentiation by adenovirus E1A due to inactivation of Hippo pathway effectors YAP and TAZ. Genes and Development, 2019, 33, 828-843.	2.7	25
1637	Properties of an alginate-gelatin-based bioink and its potential impact on cell migration, proliferation, and differentiation. International Journal of Biological Macromolecules, 2019, 135, 1107-1113.	3.6	56
1638	There Is Something Fishy About Liver Cancer: Zebrafish Models of Hepatocellular Carcinoma. Cellular and Molecular Gastroenterology and Hepatology, 2019, 8, 347-363.	2.3	35
1639	Engineering Stem Cell Self-organization to Build Better Organoids. Cell Stem Cell, 2019, 24, 860-876.	5.2	228

#	Article	IF	Citations
1640	<scp>RASSF</scp> 1A controls tissue stiffness and cancer stemâ€like cells in lung adenocarcinoma. EMBO Journal, 2019, 38, e100532.	3.5	83
1641	Common Regulatory Pathways Mediate Activity of MicroRNAs Inducing Cardiomyocyte Proliferation. Cell Reports, 2019, 27, 2759-2771.e5.	2.9	77
1642	Recovery of stem cell proliferation by low intensity vibration under simulated microgravity requires LINC complex. Npj Microgravity, 2019, 5, 11.	1.9	30
1643	Yap1b, a divergent Yap/Taz family member, cooperates with yap1 in survival and morphogenesis via common transcriptional targets. Development (Cambridge), 2019, 146, .	1.2	10
1644	Nucleoskeletal regulation of transcription: Actin on MRTF. Experimental Biology and Medicine, 2019, 244, 1372-1381.	1.1	18
1645	Stage differential effects of verteporfin on the differentiation of chick embryo wing bud mesenchymal cells. Biologia (Poland), 2019, 74, 1219-1228.	0.8	0
1646	Flexibility sustains epithelial tissue homeostasis. Current Opinion in Cell Biology, 2019, 60, 84-91.	2.6	29
1647	Recapitulating bone development through engineered mesenchymal condensations and mechanical cues for tissue regeneration. Science Translational Medicine, 2019, 11, .	5.8	126
1648	Dynamic Mechanicsâ€Modulated Hydrogels to Regulate the Differentiation of Stemâ€Cell Spheroids in Soft Microniches and Modeling of the Nonlinear Behavior. Small, 2019, 15, e1901920.	5.2	44
1649	Cilia and development. Current Opinion in Genetics and Development, 2019, 56, 15-21.	1.5	37
1650	Calotropin activates YAP through downregulation of LATS1 in colorectal cancer cells . OncoTargets and Therapy, 2019, Volume 12, 4047-4054.	1.0	11
1651	PEGâ€“Anthracene Hydrogels as an Onâ€Demand Stiffening Matrix To Study Mechanobiology. Angewandte Chemie - International Edition, 2019, 58, 9912-9916.	7.2	77
1652	Role of the Hippo Pathway in Fibrosis and Cancer. Cells, 2019, 8, 468.	1.8	77
1653	Frustrated differentiation of mesenchymal stem cells. Biophysical Reviews, 2019, 11, 377-382.	1.5	9
1654	Elevated BMP and Mechanical Signaling Through YAP1/RhoA Poises FOP Mesenchymal Progenitors for Osteogenesis. Journal of Bone and Mineral Research, 2019, 34, 1894-1909.	3.1	29
1655	Hippo Pathway in Mammalian Adaptive Immune System. Cells, 2019, 8, 398.	1.8	59
1656	The Role of YAP and TAZ in Angiogenesis and Vascular Mimicry. Cells, 2019, 8, 407.	1.8	67
1657	The Roles of YAP/TAZ and the Hippo Pathway in Healthy and Diseased Skin. Cells, 2019, 8, 411.	1.8	63

#	Article	IF	Citations
1658	RhoA regulates translation of the Nogo-A decoy SPARC in white matter-invading glioblastomas. Acta Neuropathologica, 2019, 138, 275-293.	3.9	6
1659	Colon cancer stem cells: Potential target for the treatment of colorectal cancer. Cancer Biology and Therapy, 2019, 20, 1068-1082.	1.5	90
1660	Mechanosensing by the Lamina Protects against Nuclear Rupture, DNA Damage, and Cell-Cycle Arrest. Developmental Cell, 2019, 49, 920-935.e5.	3.1	217
1661	Tunable and Reversible Substrate Stiffness Reveals a Dynamic Mechanosensitivity of Cardiomyocytes. ACS Applied Materials & Interfaces, 2019, 11, 20603-20614.	4.0	58
1662	FAT1 cadherin controls neuritogenesis during NTera2 cell differentiation. Biochemical and Biophysical Research Communications, 2019, 514, 625-631.	1.0	9
1663	A brief review: some compounds targeting YAP against malignancies. Future Oncology, 2019, 15, 1535-1543.	1.1	22
1664	Substrate stiffness- and topography-dependent differentiation of annulus fibrosus-derived stem cells is regulated by Yes-associated protein. Acta Biomaterialia, 2019, 92, 254-264.	4.1	67
1665	GPCR-Hippo Signaling in Cancer. Cells, 2019, 8, 426.	1.8	66
1666	Gene regulation through dynamic actin control of nuclear structure. Experimental Biology and Medicine, 2019, 244, 1345-1353.	1.1	21
1667	Angiomotin Regulates YAP Localization during Neural Differentiation of Human Pluripotent Stem Cells. Stem Cell Reports, 2019, 12, 869-877.	2.3	29
1668	Mechanical Roles of F-Actin in the Differentiation of Stem Cells: A Review. ACS Biomaterials Science and Engineering, 2019, 5, 3788-3801.	2.6	28
1669	YAP-independent mechanotransduction drives breast cancer progression. Nature Communications, 2019, 10, 1848.	5.8	127
1670	Self-organization and symmetry breaking in intestinal organoid development. Nature, 2019, 569, 66-72.	13.7	362
1671	Helical nanofiber yarn enabling highly stretchable engineered microtissue. Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 9245-9250.	3.3	55
1672	Nonmuscle myosin IIA and IIB differentially modulate migration and alter gene expression in primary mouse tumorigenic cells. Molecular Biology of the Cell, 2019, 30, 1463-1476.	0.9	16
1673	Differential YAP nuclear signaling in healthy and dystrophic skeletal muscle. American Journal of Physiology - Cell Physiology, 2019, 317, C48-C57.	2.1	22
1674	ROCK Inhibition Induces Terminal Adipocyte Differentiation and Suppresses Tumorigenesis in Chemoresistant Osteosarcoma Cells. Cancer Research, 2019, 79, 3088-3099.	0.4	38
1675	Hyaluronan Disrupts Cardiomyocyte Organization within 3D Fibrin-Based Hydrogels. Biophysical Journal, 2019, 116, 1340-1347.	0.2	6

#	Article	IF	Citations
1676	Tissue Patterning: The Winner Takes It All, the Losers Standing Small. Current Biology, 2019, 29, R334-R337.	1.8	5
1677	Fruit Development: Turning Sticks into Hearts. Current Biology, 2019, 29, R337-R339.	1.8	2
1678	Enhanced Dendritic Actin Network Formation in Extended Lamellipodia Drives Proliferation in Growth-Challenged Rac1P29S Melanoma Cells. Developmental Cell, 2019, 49, 444-460.e9.	3.1	36
1679	New insights into YAP/TAZ nucleoâ€cytoplasmic shuttling: new cancer therapeutic opportunities?. Molecular Oncology, 2019, 13, 1335-1341.	2.1	61
1680	Supramolecular Modification of a Sequence-Controlled Collagen-Mimicking Polymer. Biomacromolecules, 2019, 20, 2360-2371.	2.6	12
1681	Engineering the cellular mechanical microenvironment â€“ from bulk mechanics to the nanoscale. Journal of Cell Science, 2019, 132, .	1.2	49
1682	Fibroblast feeder layer supports adipogenic differentiation of human adipose stromal/progenitor cells. Adipocyte, 2019, 8, 178-189.	1.3	10
1683	YAP, Î”Np63, and Î²-Catenin Signaling Pathways Are Involved in the Modulation of Corneal Epithelial Stem Cell Phenotype Induced by Substrate Stiffness. Cells, 2019, 8, 347.	1.8	38
1684	The Hippo Pathway in Prostate Cancer. Cells, 2019, 8, 370.	1.8	69
1685	Molecular mechanisms of arrhythmogenic cardiomyopathy. Nature Reviews Cardiology, 2019, 16, 519-537.	6.1	155
1686	Requirement for YAP1 signaling in myxoid liposarcoma. EMBO Molecular Medicine, 2019, 11, .	3.3	25
1687	3D models in the new era of immune oncology: focus on T cells, CAF and ECM. Journal of Experimental and Clinical Cancer Research, 2019, 38, 117.	3.5	78
1688	On the biomechanical properties of osteosarcoma cells and their environment. International Journal of Developmental Biology, 2019, 63, 1-8.	0.3	18
1689	Substrate mechanics controls adipogenesis through YAP phosphorylation by dictating cell spreading. Biomaterials, 2019, 205, 64-80.	5.7	72
1690	Brain organoids as a model system for human neurodevelopment and disease. Seminars in Cell and Developmental Biology, 2019, 95, 93-97.	2.3	42
1691	FGFR4 phosphorylates MST1 to confer breast cancer cells resistance to MST1/2-dependent apoptosis. Cell Death and Differentiation, 2019, 26, 2577-2593.	5.0	38
1692	Sterol regulatory element binding protein 1 couples mechanical cues and lipid metabolism. Nature Communications, 2019, 10, 1326.	5.8	158
1693	A New Player in Tissue Mechanics: MicroRNA Control of Mechanical Homeostasis. Developmental Cell, 2019, 48, 596-598.	3.1	3

#	Article	IF	Citations
1694	Local nascent protein deposition and remodelling guide mesenchymal stromal cell mechanosensing and fate in three-dimensional hydrogels. Nature Materials, 2019, 18, 883-891.	13.3	273
1695	Hypoxia impacts human MSC response to substrate stiffness during chondrogenic differentiation. Acta Biomaterialia, 2019, 89, 73-83.	4.1	46
1696	Chirality Controls Mesenchymal Stem Cell Lineage Diversification through Mechanoresponses. Advanced Materials, 2019, 31, e1900582.	11.1	73
1697	Stiffness heterogeneity-induced double-edged sword behaviors of carcinoma-associated fibroblasts in antitumor therapy. Science China Materials, 2019, 62, 873-884.	3.5	3
1698	The consequences of ageing, progeroid syndromes and cellular senescence on mechanotransduction and the nucleus. Experimental Cell Research, 2019, 378, 98-103.	1.2	17
1699	MEK nuclear localization promotes YAP stability via sequestering Î²-TrCP in KRAS mutant cancer cells. Cell Death and Differentiation, 2019, 26, 2400-2415.	5.0	17
1700	Cancer-associated fibroblasts: how do they contribute to metastasis?. Clinical and Experimental Metastasis, 2019, 36, 71-86.	1.7	93
1701	Mechanical cues modulate cellular uptake of nanoparticles in cancer via clathrin-mediated and caveolae-mediated endocytosis pathways. Nanomedicine, 2019, 14, 613-626.	1.7	17
1702	Nanoneedle-Mediated Stimulation of Cell Mechanotransduction Machinery. ACS Nano, 2019, 13, 2913-2926.	7.3	101
1703	Matrix Remodeling Enhances the Differentiation Capacity of Neural Progenitor Cells in 3D Hydrogels. Advanced Science, 2019, 6, 1801716.	5.6	83
1704	Regulating Mechanotransduction in Three Dimensions using Subâ€€Cellular Scale, Crosslinkable Fibers of Controlled Diameter, Stiffness, and Alignment. Advanced Functional Materials, 2019, 29, 1808967.	7.8	23
1705	TAZ Forces Lateral Inhibition. Developmental Cell, 2019, 48, 748-750.	3.1	0
1706	The Driving Force: Nuclear Mechanotransduction in Cellular Function, Fate, and Disease. Annual Review of Biomedical Engineering, 2019, 21, 443-468.	5.7	164
1707	Unchain My Heart: Integrins at the Basis of iPSC Cardiomyocyte Differentiation. Stem Cells International, 2019, 2019, 1-20.	1.2	20
1708	Shear-Induced CCN1 Promotes Atheroprone Endothelial Phenotypes and Atherosclerosis. Circulation, 2019, 139, 2877-2891.	1.6	44
1709	Hippo Signaling in the Liver â€“ A Long and Ever-Expanding Story. Frontiers in Cell and Developmental Biology, 2019, 7, 33.	1.8	63
1710	A microphysiological model of the bronchial airways reveals the interplay of mechanical and biochemical signals in bronchospasm. Nature Biomedical Engineering, 2019, 3, 532-544.	11.6	25
1711	Biophysical regulation of macrophages in health and disease. Journal of Leukocyte Biology, 2019, 106, 283-299.	1.5	79

#	Article	IF	Citations
1712	Citron kinase interacts with LATS2 and inhibits its activity by occluding its hydrophobic phosphorylation motif. Journal of Molecular Cell Biology, 2019, 11, 1006-1017.	1.5	4
1713	Profibrotic epithelial phenotype: a central role for MRTF and TAZ. Scientific Reports, 2019, 9, 4323.	1.6	27
1714	Myosin II governs intracellular pressure and traction by distinct tropomyosin-dependent mechanisms. Molecular Biology of the Cell, 2019, 30, 1170-1181.	0.9	27
1715	Mechanosensing and Mechanoregulation of Endothelial Cell Functions. , 2019, 9, 873-904.		115
1716	F-actin dynamics regulates mammalian organ growth and cell fate maintenance. Journal of Hepatology, 2019, 71, 130-142.	1.8	56
1717	Overlooked? Underestimated? Effects of Substrate Curvature on Cell Behavior. Trends in Biotechnology, 2019, 37, 838-854.	4.9	107
1718	Thy-1 in Integrin Mediated Mechanotransduction. Frontiers in Cell and Developmental Biology, 2019, 7, 22.	1.8	17
1719	Hang on tight: reprogramming the cell with microstructural cues. Biomedical Microdevices, 2019, 21, 43.	1.4	13
1720	Numerical analysis of mesenchymal stem cell mechanotransduction dynamics reveals homoclinic bifurcations. International Journal of Non-Linear Mechanics, 2019, 113, 146-157.	1.4	0
1721	Polarization doping technology towards high performance GaN-based heterostructure devices. IOP Conference Series: Materials Science and Engineering, 2019, 479, 012052.	0.3	1
1722	An alternatively transcribed <scp>TAZ</scp> variant negatively regulates <scp>JAK</scp> â€• <scp>STAT</scp> signaling. EMBO Reports, 2019, 20, .	2.0	14
1723	The TRPV4-TAZ Mechanotransduction Signaling Axis in Matrix Stiffness- and TGFÎ²1-Induced Epithelial-Mesenchymal Transition. Cellular and Molecular Bioengineering, 2019, 12, 139-152.	1.0	27
1724	Photo-induced viscoelasticity in cytocompatible hydrogel substrates. New Journal of Physics, 2019, 21, 045004.	1.2	24
1725	Biophysics in oviduct: Planar cell polarity, cilia, epithelial fold and tube morphogenesis, egg dynamics. Biophysics and Physicobiology, 2019, 16, 89-107.	0.5	34
1726	Up-regulation of FOXD1 by YAP alleviates senescence and osteoarthritis. PLoS Biology, 2019, 17, e3000201.	2.6	104
1727	Role of Hippo Pathway-YAP/TAZ Signaling in Angiogenesis. Frontiers in Cell and Developmental Biology, 2019, 7, 49.	1.8	230
1728	Mechanotransduction and Cytoskeleton Remodeling Shaping YAP1 in Gastric Tumorigenesis. International Journal of Molecular Sciences, 2019, 20, 1576.	1.8	18
1729	The matrix environmental and cell mechanical properties regulate cell migration and contribute to the invasive phenotype of cancer cells. Reports on Progress in Physics, 2019, 82, 064602.	8.1	157

#	Article	IF	Citations
1730	Identification of the kinase STK25 as an upstream activator of LATS signaling. Nature Communications, 2019, 10, 1547.	5.8	39
1731	Density Based Characterization of Mechanical Cues on Cancer Cells Using Magnetic Levitation. Advanced Healthcare Materials, 2019, 8, e1801517.	3.9	21
1732	Engineered substrates with imprinted cell-like topographies induce direct differentiation of adipose-derived mesenchymal stem cells into Schwann cells. Artificial Cells, Nanomedicine and Biotechnology, 2019, 47, 1022-1035.	1.9	31
1733	Novel contribution of epigenetic changes to nuclear dynamics. Nucleus, 2019, 10, 42-47.	0.6	8
1734	Hydrogels with enhanced protein conjugation efficiency reveal stiffness-induced YAP localization in stem cells depends on biochemical cues. Biomaterials, 2019, 202, 26-34.	5.7	59
1735	Biochemical Ligand Density Regulates Yes-Associated Protein Translocation in Stem Cells through Cytoskeletal Tension and Integrins. ACS Applied Materials & Interfaces, 2019, 11, 8849-8857.	4.0	38
1736	Rho-family GTPase 1 (Rnd1) is a biomechanical stress-sensitive activator of cardiomyocyte hypertrophy. Journal of Molecular and Cellular Cardiology, 2019, 129, 130-143.	0.9	12
1737	Signal Transduction across the Nuclear Envelope: Role of the LINC Complex in Bidirectional Signaling. Cells, 2019, 8, 124.	1.8	41
1738	YAP and TAZ limit cytoskeletal and focal adhesion maturation to enable persistent cell motility. Journal of Cell Biology, 2019, 218, 1369-1389.	2.3	115
1739	Mechanoâ€modulation of nuclear events regulating oligodendrocyte progenitor gene expression. Glia, 2019, 67, 1229-1239.	2.5	18
1740	The role of nucleocytoplasmic transport in mechanotransduction. Experimental Cell Research, 2019, 377, 86-93.	1.2	29
1741	MicroRNA-dependent regulation of biomechanical genes establishes tissue stiffness homeostasis. Nature Cell Biology, 2019, 21, 348-358.	4.6	44
1742	UBTD1 is a mechanoâ€regulator controlling cancer aggressiveness. EMBO Reports, 2019, 20, .	2.0	21
1743	Integrin signaling and mechanotransduction in regulation of somatic stem cells. Experimental Cell Research, 2019, 378, 217-225.	1.2	40
1744	YAP and the Hippo pathway in cholangiocarcinoma. Journal of Gastroenterology, 2019, 54, 485-491.	2.3	37
1745	High Yes-associated protein 1 with concomitant negative LATS1/2 expression is associated with poor prognosis of advanced gastric cancer. Pathology, 2019, 51, 261-267.	0.3	19
1746	A Feedback Loop between Hypoxia and Matrix Stress Relaxation Increases Oxygen-Axis Migration and Metastasis in Sarcoma. Cancer Research, 2019, 79, 1981-1995.	0.4	22
1747	Phenotypic Plasticity of Invasive Edge Glioma Stem-like Cells in Response to Ionizing Radiation. Cell Reports, 2019, 26, 1893-1905.e7.	2.9	161

#	Article	IF	Citations
1748	Lateral Inhibition in Cell Specification Mediated by Mechanical Signals Modulating TAZ Activity. Cell, 2019, 176, 1379-1392.e14.	13.5	47
1749	The effect of pore size within fibrous scaffolds fabricated using melt electrowriting on human bone marrow stem cell osteogenesis. Biomedical Materials (Bristol), 2019, 14, 065016.	1.7	61
1750	In Vitro Reconstitution of Spatial Cell Contact Patterns with Isolated Caenorhabditis elegans Embryo Blastomeres and Adhesive Polystyrene Beads. Journal of Visualized Experiments, 2019, , .	0.2	5
1751	Ending Restenosis: Inhibition of Vascular Smooth Muscle Cell Proliferation by cAMP. Cells, 2019, 8, 1447.	1.8	37
1752	The CalcR-PKA-Yap1 Axis Is Critical for Maintaining Quiescence in Muscle Stem Cells. Cell Reports, 2019, 29, 2154-2163.e5.	2.9	38
1753	Polycystin-1 Regulates Actomyosin Contraction and the Cellular Response to Extracellular Stiffness. Scientific Reports, 2019, 9, 16640.	1.6	24
1754	DUSP10 Is a Regulator of YAP1 Activity Promoting Cell Proliferation and Colorectal Cancer Progression. Cancers, 2019, 11, 1767.	1.7	8
1755	Prevalence of the Hippo Effectors YAP1/TAZ in Tumors of Soft Tissue and Bone. Scientific Reports, 2019, 9, 19704.	1.6	18
1756	The spectraplakin Dystonin antagonizes YAP activity and suppresses tumourigenesis. Scientific Reports, 2019, 9, 19843.	1.6	15
1757	5 Molecular Biology of Sporadic and NF2-Associated Vestibular Schwannoma. , 2019, , .		0
1758	Circ_0001667 promotes breast cancer cell proliferation and survival via Hippo signal pathway by regulating TAZ. Cell and Bioscience, 2019, 9, 104.	2.1	25
1759	Yap1 promotes proliferation of transiently amplifying stress erythroid progenitors during erythroid regeneration. Experimental Hematology, 2019, 80, 42-54.e4.	0.2	8
1760	YAP as a key regulator of adipo-osteogenic differentiation in human MSCs. Stem Cell Research and Therapy, 2019, 10, 402.	2.4	84
1761	Yes-Associated Protein 1 Plays Major Roles in Pancreatic Stellate Cell Activation and Fibroinflammatory Responses. Frontiers in Physiology, 2019, 10, 1467.	1.3	16
1762	Hexokinase 2 couples glycolysis with the profibrotic actions of TGF-Î². Science Signaling, 2019, 12, .	1.6	71
1763	Substrate stiffness affects the immunosuppressive and trophic function of hMSCs via modulating cytoskeletal polymerization and tension. Biomaterials Science, 2019, 7, 5292-5300.	2.6	30
1764	Identification of cell context-dependent YAP-associated proteins reveals Î²1 and Î²4 integrin mediate YAP translocation independently of cell spreading. Scientific Reports, 2019, 9, 17188.	1.6	11
1765	Periodic-Mechanical-Stimulus Enhanced Osteogenic Differentiation of Mesenchymal Stem Cells on Fe₃O₄/Mineralized Collagen Coatings. ACS Biomaterials Science and Engineering, 2019, 5, 6446-6453.	2.6	14

#	Article	IF	Citations
1766	Phase separation of YAP reorganizes genome topology for long-term YAP target gene expression. Nature Cell Biology, 2019, 21, 1578-1589.	4.6	237
1767	ROCK2 deprivation leads to the inhibition of tumor growth and metastatic potential in osteosarcoma cells through the modulation of YAP activity. Journal of Experimental and Clinical Cancer Research, 2019, 38, 503.	3.5	36
1768	Evidence for the Desmosomal Cadherin Desmoglein-3 in Regulating YAP and Phospho-YAP in Keratinocyte Responses to Mechanical Forces. International Journal of Molecular Sciences, 2019, 20, 6221.	1.8	21
1769	Sub-Micropillar Spacing Modulates the Spatial Arrangement of Mouse MC3T3-E1 Osteoblastic Cells. Nanomaterials, 2019, 9, 1701.	1.9	5
1770	Hippo Pathway and YAP Signaling Alterations in Squamous Cancer of the Head and Neck. Journal of Clinical Medicine, 2019, 8, 2131.	1.0	23
1771	Mechanotransduction in the Cardiovascular System: From Developmental Origins to Homeostasis and Pathology. Cells, 2019, 8, 1607.	1.8	55
1772	Organoids from the Human Fetal and Adult Pancreas. Current Diabetes Reports, 2019, 19, 160.	1.7	33
1773	Mesenchymal stem cell perspective: cell biology to clinical progress. Npj Regenerative Medicine, 2019, 4, 22.	2.5	1,113
1774	Immunohistochemical Localization of YAP and TAZ in Tongue Wound Healing. International Journal of Oral-Medical Sciences, 2019, 18, 74-85.	0.2	1
1775	The regulation and function of the Hippo pathway in heart regeneration. Wiley Interdisciplinary Reviews: Developmental Biology, 2019, 8, e335.	5.9	25
1776	Matrix stiffness mediates stemness characteristics via activating the Yesâ€associated protein in colorectal cancer cells. Journal of Cellular Biochemistry, 2019, 120, 2213-2225.	1.2	40
1777	Signal transduction via integrin adhesion complexes. Current Opinion in Cell Biology, 2019, 56, 14-21.	2.6	228
1778	YAP and TAZ are distinct effectors of corneal myofibroblast transformation. Experimental Eye Research, 2019, 180, 102-109.	1.2	31
1779	Cellular Volume and Matrix Stiffness Direct Stem Cell Behavior in a 3D Microniche. ACS Applied Materials & Interfaces, 2019, 11, 1754-1759.	4.0	66
1780	Nuclear/Cytoplasmic Fractionation to Study Hippo Effectors. Methods in Molecular Biology, 2019, 1893, 115-119.	0.4	0
1781	Tamoxifen mechanically deactivates hepatic stellate cells via the G protein-coupled estrogen receptor. Oncogene, 2019, 38, 2910-2922.	2.6	43
1782	Role of the cytoskeleton in the development of a hypofibrotic cardiac fibroblast phenotype in volume overload heart failure. American Journal of Physiology - Heart and Circulatory Physiology, 2019, 316, H596-H608.	1.5	18
1783	Artificial cellular nano-environment composed of collagen-based nanofilm promotes osteogenic differentiation of mesenchymal stem cells. Acta Biomaterialia, 2019, 86, 247-256.	4.1	26

#	Article	IF	Citations
1785	SRC tyrosine kinase activates the YAP/TAZ axis and thereby drives tumor growth and metastasis. Journal of Biological Chemistry, 2019, 294, 2302-2317.	1.6	119
1786	Enhancing the safety of ovarian cortex autotransplantation: cancer cells are purged completely from human ovarian tissue fragments by pharmacological inhibition of YAP/TAZ oncoproteins. Human Reproduction, 2019, 34, 506-518.	0.4	19
1787	Repurposing Medications for Treatment of Pulmonary Arterial Hypertension: What's Old Is New Again. Journal of the American Heart Association, 2019, 8, e011343.	1.6	50
1788	<scp>YAP</scp>ping about and not forgetting <scp>TAZ</scp>. FEBS Letters, 2019, 593, 253-276.	1.3	31
1789	Luciferase Reporter Assays to Determine YAP/TAZ Activity in Mammalian Cells. Methods in Molecular Biology, 2019, 1893, 121-135.	0.4	7
1790	HTRFÂ® Total and Phospho-YAP (Ser127) Cellular Assays. Methods in Molecular Biology, 2019, 1893, 153-166.	0.4	2
1791	Immunofluorescence Study of Endogenous YAP in Mammalian Cells. Methods in Molecular Biology, 2019, 1893, 97-106.	0.4	7
1792	The Hippo Pathway: Biology and Pathophysiology. Annual Review of Biochemistry, 2019, 88, 577-604.	5.0	708
1793	Live Imaging of Hippo Pathway Components in Drosophila Imaginal Discs. Methods in Molecular Biology, 2019, 1893, 53-59.	0.4	5
1794	From single cells to tissue selfâ€organization. FEBS Journal, 2019, 286, 1495-1513.	2.2	52
1795	Phosphatidic Acid Enters into the YAP/TAZ Arena. Trends in Molecular Medicine, 2019, 25, 5-7.	3.5	2
1796	Steps in Mechanotransduction Pathways that Control Cell Morphology. Annual Review of Physiology, 2019, 81, 585-605.	5.6	169
1797	Biophysical factors in the regulation of asymmetric division of stem cells. Biological Reviews, 2019, 94, 810-827.	4.7	8
1798	Unforgettable force â€“ crosstalk and memory of mechanosensitive structures. Biological Chemistry, 2019, 400, 687-698.	1.2	17
1799	Fibrotic Signaling in Cardiomyopathies. Molecular and Translational Medicine, 2019, , 273-317.	0.4	1
1800	<scp>TRPV</scp>4 regulates matrix stiffness and <scp>TGF</scp>Î²1â€induced epithelialâ€mesenchymal transition. Journal of Cellular and Molecular Medicine, 2019, 23, 761-774.	1.6	72
1801	Traumatic occlusion aggravates bone loss during periodontitis and activates Hippoâ€YAP pathway. Journal of Clinical Periodontology, 2019, 46, 438-447.	2.3	26
1802	The effector of Hippo signaling, Taz, is required for formation of the micropyle and fertilization in zebrafish. PLoS Genetics, 2019, 15, e1007408.	1.5	20

#	Article	IF	Citations
1803	Anisotropic Nanoscale Presentation of Cell Adhesion Ligand Enhances the Recruitment of Diverse Integrins in Adhesion Structures and Mechanosensingâ€Dependent Differentiation of Stem Cells. Advanced Functional Materials, 2019, 29, 1806822.	7.8	38
1804	Role of nuclear mechanosensitivity in determining cellular responses to forces and biomaterials. Biomaterials, 2019, 197, 60-71.	5.7	37
1805	Hippo signaling promotes lung epithelial lineage commitment by curbing Fgf10 and Î²-catenin signaling. Development (Cambridge), 2019, 146, .	1.2	40
1806	Optogenetic control of integrin-matrix interaction. Communications Biology, 2019, 2, 15.	2.0	30
1807	Modulation of Mesenchymal Stem Cells Mechanosensing at Fluid Interfaces by Tailored Selfâ€Assembled Protein Monolayers. Small, 2019, 15, e1804640.	5.2	58
1808	4D Corneal Tissue Engineering: Achieving Timeâ€Dependent Tissue Selfâ€Curvature through Localized Control of Cell Actuators. Advanced Functional Materials, 2019, 29, 1807334.	7.8	33
1809	How is mechanobiology involved in mesenchymal stem cell differentiation toward the osteoblastic or adipogenic fate?. Journal of Cellular Physiology, 2019, 234, 12133-12141.	2.0	30
1810	The "nuclear physicsâ€•behind epigenetic control of cell fate. Experimental Cell Research, 2019, 376, 236-239.	1.2	3
1811	Dispersible hydrogel force sensors reveal patterns of solid mechanical stress in multicellular spheroid cultures. Nature Communications, 2019, 10, 144.	5.8	83
1812	Dickkopf-3 links HSF1 and YAP/TAZ signalling to control aggressive behaviours in cancer-associated fibroblasts. Nature Communications, 2019, 10, 130.	5.8	116
1813	Yes-associated protein (YAP) mediates adaptive cardiac hypertrophy in response to pressure overload. Journal of Biological Chemistry, 2019, 294, 3603-3617.	1.6	63
1814	Antiproliferative and Antimigratory Effects of a Novel YAPâ€“TEAD Interaction Inhibitor Identified Using in Silico Molecular Docking. Journal of Medicinal Chemistry, 2019, 62, 1291-1305.	2.9	66
1815	Cancer Mechanobiology: Microenvironmental Sensing and Metastasis. ACS Biomaterials Science and Engineering, 2019, 5, 3735-3752.	2.6	37
1816	Identification of genes involved in the regulation of TERT in hepatocellular carcinoma. Cancer Science, 2019, 110, 550-560.	1.7	18
1817	A prospect of cell immortalization combined with matrix microenvironmental optimization strategy for tissue engineering and regeneration. Cell and Bioscience, 2019, 9, 7.	2.1	41
1818	YAP regulates periodontal ligament cell differentiation into myofibroblast interacted with RhoA/ROCK pathway. Journal of Cellular Physiology, 2019, 234, 5086-5096.	2.0	25
1819	Defining hydrogel properties to instruct lineage- and cell-specific mesenchymal differentiation. Biomaterials, 2019, 189, 1-10.	5.7	29
1820	Extracellular matrix: The ideal natural fibrous nanocomposite products. , 2019, , 263-286.		2

#	Article	IF	Citations
1821	Metabolic underpinnings of leukemia pathology and treatment. Cancer Reports, 2019, 2, e1139.	0.6	16
1822	Stimuli and sensors that initiate skeletal muscle hypertrophy following resistance exercise. Journal of Applied Physiology, 2019, 126, 30-43.	1.2	180
1823	Extended Exposure to Stiff Microenvironments Leads to Persistent Chromatin Remodeling in Human Mesenchymal Stem Cells. Advanced Science, 2019, 6, 1801483.	5.6	128
1824	Cell type-dependent function of LATS1/2 in cancer cell growth. Oncogene, 2019, 38, 2595-2610.	2.6	29
1825	Hippoâ€"YAP/TAZ signalling in organ regeneration and regenerative medicine. Nature Reviews Molecular Cell Biology, 2019, 20, 211-226.	16.1	552
1826	GPER is a mechanoregulator of pancreatic stellate cells and the tumor microenvironment. EMBO Reports, 2019, 20, .	2.0	55
1827	Material approaches to active tissue mechanics. Nature Reviews Materials, 2019, 4, 23-44.	23.3	103
1828	Pathways Governing Polyethylenimine Polyplex Transfection in Microporous Annealed Particle Scaffolds. Bioconjugate Chemistry, 2019, 30, 476-486.	1.8	22
1829	Rescuing mesenchymal stem cell regenerative properties on hydrogel substrates post serial expansion. Bioengineering and Translational Medicine, 2019, 4, 51-60.	3.9	58
1830	Endothelial Cell Mechanotransduction in the Dynamic Vascular Environment. Advanced Biology, 2019, 3, e1800252.	3.0	60
1831	Cell Form and Function: Interpreting and Controlling the Shape of Adherent Cells. Trends in Biotechnology, 2019, 37, 347-357.	4.9	69
1832	Intracellular mechanics: connecting rheology and mechanotransduction. Current Opinion in Cell Biology, 2019, 56, 34-44.	2.6	48
1833	Cancer invasion into musculature: Mechanics, molecules and implications. Seminars in Cell and Developmental Biology, 2019, 93, 36-45.	2.3	35
1834	Tumor-Stroma Mechanics Coordinate Amino Acid Availability to Sustain Tumor Growth and Malignancy. Cell Metabolism, 2019, 29, 124-140.e10.	7.2	232
1835	The role of the cell-matrix interface in aging and its interaction with the renin-angiotensin system in the aged vasculature. Mechanisms of Ageing and Development, 2019, 177, 66-73.	2.2	13
1836	Integrated lung tissue mechanics one piece at a time: Computational modeling across the scales of biology. Clinical Biomechanics, 2019, 66, 20-31.	0.5	11
1837	Shc and the mechanotransduction of cellular anchorage and metastasis. Small GTPases, 2019, 10, 64-71.	0.7	15
1838	Reciprocal regulation of YAP/TAZ by the Hippo pathway and the Small GTPase pathway. Small GTPases, 2020, 11, 280-288.	0.7	35

#	Article	IF	Citations
1839	Acute compressive stress activates RHO/ROCK-mediated cellular processes. Small GTPases, 2020, 11, 354-370.	0.7	45
1840	Three-dimensional encapsulation of adult mouse cardiomyocytes in hydrogels with tunable stiffness. Progress in Biophysics and Molecular Biology, 2020, 154, 71-79.	1.4	26
1841	Solid stress, competition for space and cancer: The opposing roles of mechanical cell competition in tumour initiation and growth. Seminars in Cancer Biology, 2020, 63, 69-80.	4.3	57
1842	Transcriptomic analysis reveals that BMP4 sensitizes glioblastoma tumor-initiating cells to mechanical cues. Matrix Biology, 2020, 85-86, 112-127.	1.5	11
1843	Biomaterials for Personalized Cell Therapy. Advanced Materials, 2020, 32, e1902005.	11.1	76
1844	YAP and TAZ Mediate Osteocyte Perilacunar/Canalicular Remodeling. Journal of Bone and Mineral Research, 2020, 35, 196-210.	3.1	53
1845	Transmission and regulation of biochemical stimulus via a nanoshell directly adsorbed on the cell membrane to enhance chondrogenic differentiation of mesenchymal stem cell. Biotechnology and Bioengineering, 2020, 117, 184-193.	1.7	5
1846	YAP1 inhibits the induction of TNFâ€Î±â€stimulated boneâ€resorbing mediators by suppressing the NFâ€ºB signaling pathway in MC3T3â€E1 cells. Journal of Cellular Physiology, 2020, 235, 4698-4708.	2.0	25
1847	Substrate stiffness affects the morphology and gene expression of epidermal neural crest stem cells in a short term culture. Biotechnology and Bioengineering, 2020, 117, 305-317.	1.7	24
1848	Upstream regulation of the Hippo-Yap pathway in cardiomyocyte regeneration. Seminars in Cell and Developmental Biology, 2020, 100, 11-19.	2.3	34
1849	Type I collagen inhibits adipogenic differentiation via YAP activation in vitro. Journal of Cellular Physiology, 2020, 235, 1821-1837.	2.0	18
1850	Advances in high-resolution microscopy for the study of intracellular interactions with biomaterials. Biomaterials, 2020, 226, 119406.	5.7	30
1851	Key roles of Rho GTPases, YAP, and Mutant P53 in antiâ€neoplastic effects of statins. Fundamental and Clinical Pharmacology, 2020, 34, 4-10.	1.0	8
1852	Mechanisms Underlying Adenomyosis-Related Fibrogenesis. Gynecologic and Obstetric Investigation, 2020, 85, 1-12.	0.7	22
1853	Liver stiffness correlates with serum osteopontin and TAZ expression in human liver cirrhosis. Annals of the New York Academy of Sciences, 2020, 1465, 117-131.	1.8	7
1854	Epigallocatechin-3-gallate prevents TGF-Î²1-induced epithelial-mesenchymal transition and fibrotic changes of renal cells via GSK-3Î²/Î²-catenin/Snail1 and Nrf2 pathways. Journal of Nutritional Biochemistry, 2020, 76, 108266.	1.9	31
1855	Insulin suppresses transcriptional activity of yes-associated protein in insulin target cells. Molecular Biology of the Cell, 2020, 31, 131-141.	0.9	4
1856	<scp>TAZ</scp> contributes to osteogenic differentiation of periodontal ligament cells under tensile stress. Journal of Periodontal Research, 2020, 55, 152-160.	1.4	12

#	Article	IF	Citations
1857	Extracellular matrix cues modulate Schwann cell morphology, proliferation, and protein expression. Journal of Tissue Engineering and Regenerative Medicine, 2020, 14, 229-242.	1.3	32
1858	Lineage Commitment, Signaling Pathways, and the Cytoskeleton Systems in Mesenchymal Stem Cells. Tissue Engineering - Part B: Reviews, 2020, 26, 13-25.	2.5	52
1859	Photoinduced directional domain sliding motion in peptide hydrogels promotes ectodermal differentiation of embryonic stem cells. Science China Materials, 2020, 63, 467-478.	3.5	1
1860	Verteporfin targeting YAP1/TAZâ€TEAD transcriptional activity inhibits the tumorigenic properties of gastric cancer stem cells. International Journal of Cancer, 2020, 146, 2255-2267.	2.3	97
1861	Modulation of retinoid signaling: therapeutic opportunities in organ fibrosis and repair. , 2020, 205, 107415.		23
1862	Engineered Three-Dimensional Scaffolds Modulating Fate of Breast Cancer Cells Using Stiffness and Morphology Related Cell Adhesion. IEEE Open Journal of Engineering in Medicine and Biology, 2020, 1, 41-48.	1.7	6
1863	Retinal blood vesselâ€origin yesâ€associated protein (YAP) governs astrocytic maturation via leukaemia inhibitory factor (LIF). Cell Proliferation, 2020, 53, e12757.	2.4	5
1864	YAP1 mediates survival of ALK-rearranged lung cancer cells treated with alectinib via pro-apoptotic protein regulation. Nature Communications, 2020, 11, 74.	5.8	49
1865	Targeting Rho-associated coiled-coil forming protein kinase (ROCK) in cardiovascular fibrosis and stiffening. Expert Opinion on Therapeutic Targets, 2020, 24, 47-62.	1.5	25
1866	In vitro characterization of the human segmentation clock. Nature, 2020, 580, 113-118.	13.7	152
1867	ROCK2 inhibition enhances the thermogenic program in white and brown fat tissue in mice. FASEB Journal, 2020, 34, 474-493.	0.2	11
1868	The Physics of Cellular Decision Making During Epithelialâ€“Mesenchymal Transition. Annual Review of Biophysics, 2020, 49, 1-18.	4.5	87
1869	Hippo pathway effectors YAP1/TAZ induce an EWSâ€“FLI1â€opposing gene signature and associate with disease progression in Ewing sarcoma. Journal of Pathology, 2020, 250, 374-386.	2.1	19
1870	Targeting G protein-coupled receptors in cancer therapy. Advances in Cancer Research, 2020, 145, 49-97.	1.9	12
1871	Targeting downstream subcellular YAP activity as a function of matrix stiffness with Verteporfin-encapsulated chitosan microsphere attenuates osteoarthritis. Biomaterials, 2020, 232, 119724.	5.7	50
1872	Simple treatment of cell culture surfaces with water-dimethyl sulfoxide mixtures impacts YAP localization in vascular endothelial cells. Materials Letters, 2020, 263, 127245.	1.3	0
1873	Touch-Spun Nanofibers for Nerve Regeneration. ACS Applied Materials & Interfaces, 2020, 12, 2067-2075.	4.0	27
1874	Novel approaches to link apicobasal polarity to cell fate specification. Current Opinion in Cell Biology, 2020, 62, 78-85.	2.6	9

#	Article	IF	Citations
1875	Well Plate Integrated Topography Gradient Screening Technology for Studying Cellâ€Surface Topography Interactions. Advanced Biology, 2020, 4, e1900218.	3.0	9
1876	3D microtissueâ€“derived human stem cells seeded on electrospun nanocomposites under shear stress: Modulation of gene expression. Journal of the Mechanical Behavior of Biomedical Materials, 2020, 102, 103481.	1.5	8
1877	Cardiac regeneration and remodelling of the cardiomyocyte cytoarchitecture. FEBS Journal, 2020, 287, 417-438.	2.2	40
1878	Designing a blueprint for nextâ€generation stem cell bioprocessing development. Biotechnology and Bioengineering, 2020, 117, 832-843.	1.7	3
1879	Cell engineering: Biophysical regulation of the nucleus. Biomaterials, 2020, 234, 119743.	5.7	39
1880	The Emerging Link between the Hippo Pathway and Non-coding RNA. Biological and Pharmaceutical Bulletin, 2020, 43, 1-10.	0.6	11
1881	Combination Stiffness Gradient with Chemical Stimulation Directs Glioma Cell Migration on a Microfluidic Chip. Analytical Chemistry, 2020, 92, 892-898.	3.2	46
1882	Stem Cell Mechanosensation on Gelatin Methacryloyl (GelMA) Stiffness Gradient Hydrogels. Annals of Biomedical Engineering, 2020, 48, 893-902.	1.3	72
1883	Endothelium-mediated contributions to fibrosis. Seminars in Cell and Developmental Biology, 2020, 101, 78-86.	2.3	50
1884	Hippoâ€Yap/Taz signaling: Complex network interactions and impact in epithelial cell behavior. Wiley Interdisciplinary Reviews: Developmental Biology, 2020, 9, e371.	5.9	23
1885	The Plot Thickens: The Emerging Role of Matrix Viscosity in Cell Mechanotransduction. Advanced Healthcare Materials, 2020, 9, e1901259.	3.9	75
1886	Pluripotent stem cell biology and engineering. , 2020, , 1-31.		0
1887	Multiscale Models Coupling Chemical Signaling and Mechanical Properties for Studying Tissue Growth. , 2020, , 173-195.		5
1888	Regulation of Hippo Signaling by Mechanical Signals and the Cytoskeleton. DNA and Cell Biology, 2020, 39, 159-166.	0.9	20
1889	Involvement of Yesâ€associated protein 1 (YAP1) in doxorubicinâ€induced cytotoxicity in H9c2 cardiac cells. Cell Biology International, 2020, 44, 873-881.	1.4	4
1890	Surface Roughness and Substrate Stiffness Synergize To Drive Cellular Mechanoresponse. Nano Letters, 2020, 20, 748-757.	4.5	129
1891	Localization of YAP activity in developing skeletal rudiments is responsive to mechanical stimulation. Developmental Dynamics, 2020, 249, 523-542.	0.8	11
1892	Emerging Concepts and Tools in Cell Mechanomemory. Annals of Biomedical Engineering, 2020, 48, 2103-2112.	1.3	9

#	Article	IF	Citations
1893	Initiation of human mammary cell tumorigenesis by mutant KRAS requires YAP inactivation. Oncogene, 2020, 39, 1957-1968.	2.6	18
1894	Inhibition of cyclinâ€dependent kinase 7 downâ€regulates yesâ€associated protein expression in mesothelioma cells. Journal of Cellular and Molecular Medicine, 2020, 24, 1087-1098.	1.6	7
1895	The Hippo Pathway, YAP/TAZ, and the Plasma Membrane. Trends in Cell Biology, 2020, 30, 32-48.	3.6	146
1896	Recent Advances of the Hippo/YAP Signaling Pathway in Brain Development and Glioma. Cellular and Molecular Neurobiology, 2020, 40, 495-510.	1.7	50
1897	Cell-Based Mechanosensation, Epigenetics, and Non-Coding RNAs in Progression of Cardiac Fibrosis. International Journal of Molecular Sciences, 2020, 21, 28.	1.8	20
1898	TAZ target gene ITGAV regulates invasion and feeds back positively on YAP and TAZ in liver cancer cells. Cancer Letters, 2020, 473, 164-175.	3.2	39
1899	Transcription factor NRF2 uses the Hippo pathway effector TAZ to induce tumorigenesis in glioblastomas. Redox Biology, 2020, 30, 101425.	3.9	26
1900	Keratocyte mechanobiology. Experimental Eye Research, 2020, 200, 108228.	1.2	11
1901	Yes-Associated Protein 1: Role and Treatment Prospects in Orthopedic Degenerative Diseases. Frontiers in Cell and Developmental Biology, 2020, 8, 573455.	1.8	14
1902	Mechanosensing through Direct Binding of Tensed F-Actin by LIM Domains. Developmental Cell, 2020, 55, 468-482.e7.	3.1	94
1903	FoxM1 insufficiency hyperactivates Ect2â€“RhoAâ€“mDia1 signaling to drive cancer. Nature Cancer, 2020, 1, 1010-1024.	5.7	6
1904	YAP and TAZ maintain PROX1 expression in the developing lymphatic and lymphovenous valves in response to VEGF-C signaling. Development (Cambridge), 2020, 147, .	1.2	28
1905	Cancer Metabolism: Phenotype, Signaling and Therapeutic Targets. Cells, 2020, 9, 2308.	1.8	211
1906	Mechanically stressed cancer microenvironment: Role in pancreatic cancer progression. Biochimica Et Biophysica Acta: Reviews on Cancer, 2020, 1874, 188418.	3.3	21
1907	Hydrogel Network Dynamics Regulate Vascular Morphogenesis. Cell Stem Cell, 2020, 27, 798-812.e6.	5.2	76
1908	Mechanical stimulation of single cells by reversible host-guest interactions in 3D microscaffolds. Science Advances, 2020, 6, .	4.7	61
1909	Soft Matrix Promotes Cardiac Reprogramming via Inhibition of YAP/TAZ and Suppression of Fibroblast Signatures. Stem Cell Reports, 2020, 15, 612-628.	2.3	53
1910	Evolutionarily diverse LIM domain-containing proteins bind stressed actin filaments through a conserved mechanism. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 25532-25542.	3.3	67

#	Article	IF	Citations
1911	Surface Patterning of Hydrogel Biomaterials to Probe and Direct Cellâ€“Matrix Interactions. Advanced Materials Interfaces, 2020, 7, 2001198.	1.9	24
1912	A new agarose-based microsystem to investigate cell response to prolonged confinement. Lab on A Chip, 2020, 20, 4016-4030.	3.1	8
1913	Progress in the mechanical modulation of cell functions in tissue engineering. Biomaterials Science, 2020, 8, 7033-7081.	2.6	36
1914	Recapitulation of Human Embryonic Heartbeat to Promote Differentiation of Hepatic Endoderm to Hepatoblasts. Frontiers in Bioengineering and Biotechnology, 2020, 8, 568092.	2.0	3
1915	Caveolin1 Tyrosine-14 Phosphorylation: Role in Cellular Responsiveness to Mechanical Cues. Journal of Membrane Biology, 2020, 253, 509-534.	1.0	15
1916	Emerging role of the Hippo pathway in autophagy. Cell Death and Disease, 2020, 11, 880.	2.7	45
1917	Vestigial-like family member 3 (VGLL3), a cofactor for TEAD transcription factors, promotes cancer cell proliferation by activating the Hippo pathway. Journal of Biological Chemistry, 2020, 295, 8798-8807.	1.6	38
1918	Chondroitin synthaseâ€3 regulates nucleus pulposus degeneration through actinâ€induced YAP signaling. FASEB Journal, 2020, 34, 16581-16600.	0.2	13
1919	The importance of water and hydraulic pressure in cell dynamics. Journal of Cell Science, 2020, 133, .	1.2	57
1920	Mitochondria at Center of Exchanges between Cancer Cells and Cancer-Associated Fibroblasts during Tumor Progression. Cancers, 2020, 12, 3017.	1.7	16
1921	Inhibition of yesâ€associated protein dephosphorylation prevents aggravated periodontitis with occlusal trauma. Journal of Periodontology, 2021, 92, 1036-1048.	1.7	10
1922	Roles of CCN2 as a mechano-sensing regulator of chondrocyte differentiation. Japanese Dental Science Review, 2020, 56, 119-126.	2.0	8
1923	In Full Force. Mechanotransduction and Morphogenesis during Homeostasis and Tissue Regeneration. Journal of Cardiovascular Development and Disease, 2020, 7, 40.	0.8	10
1924	Unmasking carcinoma-associated fibroblasts: Key transformation player within the tumor microenvironment. Biochimica Et Biophysica Acta: Reviews on Cancer, 2020, 1874, 188443.	3.3	13
1925	Cell competition controls differentiation in mouse embryos and stem cells. Current Opinion in Cell Biology, 2020, 67, 1-8.	2.6	6
1926	Boolean model of anchorage dependence and contact inhibition points to coordinated inhibition but semi-independent induction of proliferation and migration. Computational and Structural Biotechnology Journal, 2020, 18, 2145-2165.	1.9	15
1927	ERBB2 drives YAP activation and EMT-like processes during cardiac regeneration. Nature Cell Biology, 2020, 22, 1346-1356.	4.6	130
1928	YAP increases response to Trastuzumab in HER2-positive Breast Cancer by enhancing P73-induced apoptosis. Journal of Cancer, 2020, 11, 6748-6759.	1.2	5

#	Article	IF	Citations
1929	Hydrogel Micropost Arrays with Single Post Tunability to Study Cell Volume and Mechanotransduction. Advanced Biology, 2020, 4, e2000012.	3.0	11
1930	Cancer associated fibroblast mediated chemoresistance: A paradigm shift in understanding the mechanism of tumor progression. Biochimica Et Biophysica Acta: Reviews on Cancer, 2020, 1874, 188416.	3.3	46
1931	Nuclear mechanosensing: mechanism and consequences of a nuclear rupture. Mutation Research - Fundamental and Molecular Mechanisms of Mutagenesis, 2020, 821, 111717.	0.4	8
1932	Engineered Fullâ€Length Fibronectinâ€“Hyaluronic Acid Hydrogels for Stem Cell Engineering. Advanced Healthcare Materials, 2020, 9, e2000989.	3.9	28
1933	Fibroblast mechanosensing, SKI and Hippo signaling and the cardiac fibroblast phenotype: Looking beyond TGF-Î². Cellular Signalling, 2020, 76, 109802.	1.7	10
1934	Wnt signaling and Loxl2 promote aggressive osteosarcoma. Cell Research, 2020, 30, 885-901.	5.7	68
1935	A CTGF-YAP Regulatory Pathway Is Essential for Angiogenesis and Barriergenesis in the Retina. IScience, 2020, 23, 101184.	1.9	33
1936	The mechano-sensitive response of Î²1 integrin promotes SRC-positive late endosome recycling and activation of Yes-associated protein. Journal of Biological Chemistry, 2020, 295, 13474-13487.	1.6	8
1937	Mechano-modulatory synthetic niches for liver organoid derivation. Nature Communications, 2020, 11, 3416.	5.8	112
1938	Disabled Homolog 2 Controls Prometastatic Activity of Tumor-Associated Macrophages. Cancer Discovery, 2020, 10, 1758-1773.	7.7	44
1939	Soft Hydrogels for Balancing Cell Proliferation and Differentiation. ACS Biomaterials Science and Engineering, 2020, 6, 4687-4701.	2.6	37
1940	Recent advances in bioelectronics chemistry. Chemical Society Reviews, 2020, 49, 7978-8035.	18.7	54
1941	The Hippo Pathway in Cardiac Regeneration and Homeostasis: New Perspectives for Cell-Free Therapy in the Injured Heart. Biomolecules, 2020, 10, 1024.	1.8	21
1942	Mechanisms of human embryo development: from cell fate to tissue shape and back. Development (Cambridge), 2020, 147, .	1.2	112
1943	A dynamic matrix potentiates mesenchymal stromal cell paracrine function via an effective mechanical dose. Biomaterials Science, 2020, 8, 4779-4791.	2.6	18
1944	The extracellular matrix and mechanotransduction in pulmonary fibrosis. International Journal of Biochemistry and Cell Biology, 2020, 126, 105802.	1.2	59
1945	Soft Matrix Combined With BMPR Inhibition Regulates Neurogenic Differentiation of Human Umbilical Cord Mesenchymal Stem Cells. Frontiers in Bioengineering and Biotechnology, 2020, 8, 791.	2.0	7
1946	MicroRNA Regulatory Pathways in the Control of the Actinâ€“Myosin Cytoskeleton. Cells, 2020, 9, 1649.	1.8	9

#	Article	IF	Citations
1947	Integration of Hippo-YAP Signaling with Metabolism. Developmental Cell, 2020, 54, 256-267.	3.1	84
1949	Effects of Mechanical Forces on Cells and Tissues. , 2020, , 717-733.		3
1950	Micromechanical Design Criteria for Tissue-Engineering Biomaterials. , 2020, , 1335-1350.		0
1951	Simplified Brain Organoids for Rapid and Robust Modeling of Brain Disease. Frontiers in Cell and Developmental Biology, 2020, 8, 594090.	1.8	21
1952	FLNC Expression Level Influences the Activity of TEAD-YAP/TAZ Signaling. Genes, 2020, 11, 1343.	1.0	7
1953	Selfâ€Strengthening Adhesive Force Promotes Cell Mechanotransduction. Advanced Materials, 2020, 32, e2006986.	11.1	41
1954	CFL2 is an essential mediator for myogenic differentiation in C2C12 myoblasts. Biochemical and Biophysical Research Communications, 2020, 533, 710-716.	1.0	19
1955	Interplay between caspase, Yes-associated protein, and mechanics: A possible switch between life and death?. Current Opinion in Cell Biology, 2020, 67, 141-146.	2.6	8
1956	Lysophosphatidic Acid and IL-6 Trans-signaling Interact via YAP/TAZ and STAT3 Signaling Pathways in Human Trabecular Meshwork Cells. , 2020, 61, 29.		26
1957	The Planar Polarity Component VANGL2 Is a Key Regulator of Mechanosignaling. Frontiers in Cell and Developmental Biology, 2020, 8, 577201.	1.8	17
1958	Effect of silica-coated magnetic nanoparticles on rigidity sensing of human embryonic kidney cells. Journal of Nanobiotechnology, 2020, 18, 170.	4.2	14
1959	PNPLA3 I148M Up-Regulates Hedgehog and Yap Signaling in Human Hepatic Stellate Cells. International Journal of Molecular Sciences, 2020, 21, 8711.	1.8	13
1960	The Molecular Network of YAP/Yorkie at the Cell Cortex and their Role in Ocular Morphogenesis. International Journal of Molecular Sciences, 2020, 21, 8804.	1.8	2
1961	An update to the advances in understanding distraction histogenesis: From biological mechanisms to novel clinical applications. Journal of Orthopaedic Translation, 2020, 25, 3-10.	1.9	15
1962	Cell geometry and the cytoskeleton impact the nucleo-cytoplasmic localisation of the SMYD3 methyltransferase. Scientific Reports, 2020, 10, 20598.	1.6	14
1963	Biomechanical Modulation Therapyâ€"A Stem Cell Therapy Without Stem Cells for the Treatment of Severe Ocular Burns. Translational Vision Science and Technology, 2020, 9, 5.	1.1	9
1964	Actin flow-dependent and -independent force transmission through integrins. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 32413-32422.	3.3	22
1965	Mechanical Properties of Materials for Stem Cell Differentiation. Advanced Biology, 2020, 4, e2000247.	3.0	67

#	Article	IF	Citations
1966	Stresses in the metastatic cascade: molecular mechanisms and therapeutic opportunities. Genes and Development, 2020, 34, 1577-1598.	2.7	19
1967	Effects of nanofibers on mesenchymal stem cells: environmental factors affecting cell adhesion and osteogenic differentiation and their mechanisms. Journal of Zhejiang University: Science B, 2020, 21, 871-884.	1.3	20
1968	YAP-mediated mechanotransduction tunes the macrophage inflammatory response. Science Advances, 2020, 6, .	4.7	127
1969	Synthesis of aligned porous polyethylene glycol/silk fibroin/hydroxyapatite scaffolds for osteoinduction in bone tissue engineering. Stem Cell Research and Therapy, 2020, 11, 522.	2.4	16
1970	The Hippoâ€“YAP Signaling as Guardian in the Pool of Intestinal Stem Cells. Biomedicines, 2020, 8, 560.	1.4	10
1971	Hepatic Tumor Cell Morphology Plasticity under Physical Constraints in 3D Cultures Driven by YAPâ€“mTOR Axis. Pharmaceuticals, 2020, 13, 430.	1.7	5
1972	Dexamethasone and Glucocorticoid-Induced Matrix Temporally Modulate Key Integrins, Caveolins, Contractility, and Stiffness in Human Trabecular Meshwork Cells. , 2020, 61, 16.		19
1973	Recruitment of BAF to the nuclear envelope couples the LINC complex to endoreplication. Development (Cambridge), 2020, 147, .	1.2	6
1974	G Protein-Coupled Estrogen Receptor Regulates Actin Cytoskeleton Dynamics to Impair Cell Polarization. Frontiers in Cell and Developmental Biology, 2020, 8, 592628.	1.8	8
1975	Fluid flow as a driver of embryonic morphogenesis. Development (Cambridge), 2020, 147, .	1.2	19
1976	Mechanotransduction and Stiffness-Sensing: Mechanisms and Opportunities to Control Multiple Molecular Aspects of Cell Phenotype as a Design Cornerstone of Cell-Instructive Biomaterials for Articular Cartilage Repair. International Journal of Molecular Sciences, 2020, 21, 5399.	1.8	41
1977	Biomaterial Stiffness Guides Cross-talk between Chondrocytes: Implications for a Novel Cellular Response in Cartilage Tissue Engineering. ACS Biomaterials Science and Engineering, 2020, 6, 4476-4489.	2.6	28
1978	Temporal changes guided by mesenchymal stem cells on a 3D microgel platform enhance angiogenesis in vivo at a low-cell dose. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 19033-19044.	3.3	45
1979	Generating cell-derived matrices from human trabecular meshwork cell cultures for mechanistic studies. Methods in Cell Biology, 2020, 156, 271-307.	0.5	16
1980	Cell shape: effects on gene expression and signaling. Biophysical Reviews, 2020, 12, 895-901.	1.5	21
1981	Local stimulation of osteocytes using a magnetically actuated oscillating beam. PLoS ONE, 2020, 15, e0235366.	1.1	3
1982	Physics of the Extracellular Matrix and Biology of Tumors â€" A Close Relationship. Biophysical Reviews and Letters, 2020, 15, 121-130.	0.9	0
1983	The Intersection of DNA Damage Response and Ferroptosisâ€"A Rationale for Combination Therapeutics. Biology, 2020, 9, 187.	1.3	23

#	Article	IF	Citations
1984	Collagen Density Modulates the Immunosuppressive Functions of Macrophages. Journal of Immunology, 2020, 205, 1461-1472.	0.4	64
1985	Regenerative Reprogramming of the Intestinal Stem Cell State via Hippo Signaling Suppresses Metastatic Colorectal Cancer. Cell Stem Cell, 2020, 27, 590-604.e9.	5.2	112
1986	Controlling osteoblast morphology and proliferation via surface micro-topographies of implant biomaterials. Scientific Reports, 2020, 10, 12810.	1.6	70
1987	Learning from BMPs and their biophysical extracellular matrix microenvironment for biomaterial design. Bone, 2020, 141, 115540.	1.4	22
1988	Genome-wide RNA interference screening reveals a COPI-MAP2K3 pathway required for YAP regulation. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 19994-20003.	3.3	4
1989	Stiffness-mediated mesenchymal stem cell fate decision in 3D-bioprinted hydrogels. Burns and Trauma, 2020, 8, tkaa029.	2.3	33
1990	Clinicopathologic significance of nuclear HER4 and phospho-YAP(S¹²⁷) in human breast cancers and matching brain metastases. Therapeutic Advances in Medical Oncology, 2020, 12, 175883592094625.	1.4	11
1991	The Hippo Pathway in Innate Anti-microbial Immunity and Anti-tumor Immunity. Frontiers in Immunology, 2020, 11, 1473.	2.2	10
1992	Colorectal cancer residual disease at maximal response to EGFR blockade displays a druggable Paneth cellâ€“like phenotype. Science Translational Medicine, 2020, 12, .	5.8	40
1993	The Janus Role of Adhesion in Chondrogenesis. International Journal of Molecular Sciences, 2020, 21, 5269.	1.8	10
1994	Endogenous Retrovirus-Derived lncRNA BANCR Promotes Cardiomyocyte Migration in Humans and Non-human Primates. Developmental Cell, 2020, 54, 694-709.e9.	3.1	37
1995	Gone Caving: Roles of the Transcriptional Regulators YAP and TAZ in Skeletal Development. Current Osteoporosis Reports, 2020, 18, 526-540.	1.5	19
1996	Multiscale morphogenesis of the mouse blastocyst by actomyosin contractility. Current Opinion in Cell Biology, 2020, 66, 123-129.	2.6	9
1997	Biomimicking Fiber Platform with Tunable Stiffness to Study Mechanotransduction Reveals Stiffness Enhances Oligodendrocyte Differentiation but Impedes Myelination through YAPâ€Dependent Regulation. Small, 2020, 16, e2003656.	5.2	25
1998	Mechanically induced formation and maturation of 3D-matrix adhesions (3DMAs) in human mesenchymal stem cells. Biomaterials, 2020, 258, 120292.	5.7	14
1999	Distinct fibroblast subsets regulate lacteal integrity through YAP/TAZ-induced VEGF-C in intestinal villi. Nature Communications, 2020, 11, 4102.	5.8	36
2000	VGLL4 with low YAP expression is associated with favorable prognosis in colorectal cancer. Apmis, 2020, 128, 543-551.	0.9	11
2001	Yap haploinsufficiency leads to MÃ¼ller cell dysfunction and late-onset cone dystrophy. Cell Death and Disease, 2020, 11, 631.	2.7	9

#	Article	IF	Citations
2002	Gene Expression Regulation and Secretory Activity of Mesenchymal Stem Cells upon In Vitro Contact with Microarc Calcium Phosphate Coating. International Journal of Molecular Sciences, 2020, 21, 7682.	1.8	6
2003	Microtubules control nuclear shape and gene expression during early stages of hematopoietic differentiation. EMBO Journal, 2020, 39, e103957.	3.5	42
2004	Wound Induced Hair Neogenesis â€“ A Novel Paradigm for Studying Regeneration and Aging. Frontiers in Cell and Developmental Biology, 2020, 8, 582346.	1.8	10
2005	Role of mitochondria in mediating chondrocyte response to mechanical stimuli. Life Sciences, 2020, 263, 118602.	2.0	17
2006	Mechanosensing through YAP controls T cell activation and metabolism. Journal of Experimental Medicine, 2020, 217, .	4.2	57
2007	Naturally occurring hotspot cancer mutations in GÎ±13 promote oncogenic signaling. Journal of Biological Chemistry, 2020, 295, 16897-16904.	1.6	19
2008	Targeting Mechanotransduction in Osteosarcoma: A Comparative Oncology Perspective. International Journal of Molecular Sciences, 2020, 21, 7595.	1.8	5
2009	Is the plant nucleus a mechanical rheostat?. Current Opinion in Plant Biology, 2020, 57, 155-163.	3.5	13
2010	Beyond just a tight fortress: contribution of stroma to epithelial-mesenchymal transition in pancreatic cancer. Signal Transduction and Targeted Therapy, 2020, 5, 249.	7.1	88
2011	YAP and TAZ protect against white adipocyte cell death during obesity. Nature Communications, 2020, 11, 5455.	5.8	34
2012	Physical traits of cancer. Science, 2020, 370, .	6.0	371
2013	Transcriptomic analysis reveals dynamic molecular changes in skin induced by mechanical forces secondary to tissue expansion. Scientific Reports, 2020, 10, 15991.	1.6	12
2014	Actomyosin and the MRTF-SRF pathway downregulate FGFR1 in mesenchymal stromal cells. Communications Biology, 2020, 3, 576.	2.0	2
2015	Topography: A Biophysical Approach to Direct the Fate of Mesenchymal Stem Cells in Tissue Engineering Applications. Nanomaterials, 2020, 10, 2070.	1.9	74
2016	Yes-associated protein 1 translocation through actin cytoskeleton organization in trophectoderm cells. Developmental Biology, 2020, 468, 14-25.	0.9	6
2017	Actomyosin contractility confers mechanoprotection against TNFÎ±-induced disruption of the intervertebral disc. Science Advances, 2020, 6, eaba2368.	4.7	23
2018	Cofilin-1 Is a Mechanosensitive Regulator of Transcription. Frontiers in Cell and Developmental Biology, 2020, 8, 678.	1.8	8
2019	Controlled Deposition of 3D Matrices to Direct Single Cell Functions. Advanced Science, 2020, 7, 2001066.	5.6	19

#	Article	IF	Citations
2020	Substrate stiffness induced mechanotransduction regulates temporal evolution of human fetal neural progenitor cell phenotype, differentiation, and biomechanics. Biomaterials Science, 2020, 8, 5452-5464.	2.6	18
2021	Loss ofAnks6leads to YAP deficiency and liver abnormalities. Human Molecular Genetics, 2020, 29, 3064-3080.	1.4	11
2022	Laser irradiation decreases sclerostin expression in bone and osteogenic cells. FASEB Journal, 2020, 34, 12877-12893.	0.2	10
2023	Molecular Spectroscopic Imaging Offers a Systematic Assessment of Pathological Aortic Valve and Prosthesis Tissue in Biomineralization. Crystals, 2020, 10, 763.	1.0	5
2024	The Intersection of Mechanotransduction and Regenerative Osteogenic Materials. Advanced Healthcare Materials, 2020, 9, e2000709.	3.9	17
2025	Endothelin-1 axis fosters YAP-induced chemotherapy escape in ovarian cancer. Cancer Letters, 2020, 492, 84-95.	3.2	12
2026	Harnessing the secreted extracellular matrix to engineer tissues. Nature Biomedical Engineering, 2020, 4, 357-363.	11.6	62
2027	Contributions of Yap and Taz dysfunction to breast cancer initiation, progression, and agingâ€related susceptibility. Aging and Cancer, 2020, 1, 5-18.	0.5	5
2028	The influenza virus NS1A binding protein gene modulates macrophages response to cytokines and phagocytic potential in inflammation. Scientific Reports, 2020, 10, 15302.	1.6	3
2029	ASB13 inhibits breast cancer metastasis through promoting SNAI2 degradation and relieving its transcriptional repression of YAP. Genes and Development, 2020, 34, 1359-1372.	2.7	32
2030	Crosslinked Extracellular Matrix Stiffens Human Trabecular Meshwork Cells Via Dysregulating Î²-catenin and YAP/TAZ Signaling Pathways. , 2020, 61, 41.		29
2031	YAP Activation in Renal Proximal Tubule Cells Drives Diabetic Renal Interstitial Fibrogenesis. Diabetes, 2020, 69, 2446-2457.	0.3	66
2032	Quantitatively Designed Cross-Linker-Clustered Maleimideâ€“Dextran Hydrogels for Rationally Regulating the Behaviors of Cells in a 3D Matrix. ACS Applied Bio Materials, 2020, 3, 5759-5774.	2.3	8
2033	Effects of extracellular matrix viscoelasticity on cellular behaviour. Nature, 2020, 584, 535-546.	13.7	1,045
2034	Plant-Based Scaffolds Modify Cellular Response to Drug and Radiation Exposure Compared to Standard Cell Culture Models. Frontiers in Bioengineering and Biotechnology, 2020, 8, 932.	2.0	24
2035	Role of YAP/TAZ in Cell Lineage Fate Determination and Related Signaling Pathways. Frontiers in Cell and Developmental Biology, 2020, 8, 735.	1.8	71
2036	Llgl1 regulates zebrafish cardiac development by mediating Yap stability in cardiomyocytes. Development (Cambridge), 2020, 147, .	1.2	9
2037	Identification of a Five-Gene Signature for Predicting Survival in Malignant Pleural Mesothelioma Patients. Frontiers in Genetics, 2020, 11, 899.	1.1	7

#	Article	IF	Citations
2038	The potential role of YAP in head and neck squamous cell carcinoma. Experimental and Molecular Medicine, 2020, 52, 1264-1274.	3.2	15
2039	Extracellular matrix stiffness determines DNA repair efficiency and cellular sensitivity to genotoxic agents. Science Advances, 2020, 6, .	4.7	44
2040	Establishment of a relationship between blastomere geometry and YAP localisation during compaction. Development (Cambridge), 2020, 147, .	1.2	12
2041	Osteogenesis regulation of mesenchymal stem cellsviaautophagy induced by silicaâ€“titanium composite surfaces with different mechanical moduli. Journal of Materials Chemistry B, 2020, 8, 9314-9324.	2.9	14
2042	Chloroquine SensitizesGNAQ/11-mutated Melanoma to MEK1/2 Inhibition. Clinical Cancer Research, 2020, 26, 6374-6386.	3.2	35
2043	An Overview of the Cytoskeleton-Associated Role of PDLIM5. Frontiers in Physiology, 2020, 11, 975.	1.3	30
2044	Mechanosensitive Protein of the Hippo Regulatory Pathwayâ€"Transcription Coactivator with PZD-Binding Motif (TAZ) in Human Skin during Aging. Advances in Gerontology, 2020, 10, 150-155.	0.1	0
2045	Concerted localization-resets precede YAP-dependent transcription. Nature Communications, 2020, 11, 4581.	5.8	40
2046	Loss of Two-Pore Channel 2 (TPC2) Expression Increases the Metastatic Traits of Melanoma Cells by a Mechanism Involving the Hippo Signalling Pathway and Store-Operated Calcium Entry. Cancers, 2020, 12, 2391.	1.7	22
2047	Functionalizable Antifouling Coatings as Tunable Platforms for the Stress-Driven Manipulation of Living Cell Machinery. Biomolecules, 2020, 10, 1146.	1.8	6
2048	Caveolin1 and YAP drive mechanically induced mesothelial to mesenchymal transition and fibrosis. Cell Death and Disease, 2020, 11, 647.	2.7	39
2049	Nuclear mechanosensing controls MSC osteogenic potential through HDAC epigenetic remodeling. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 21258-21266.	3.3	60
2050	Intestinal Regeneration: Regulation by the Microenvironment. Developmental Cell, 2020, 54, 435-446.	3.1	91
2051	Adipose stem cells exhibit mechanical memory and reduce fibrotic contracture in a rat elbow injury model. FASEB Journal, 2020, 34, 12976-12990.	0.2	26
2052	Targeting acid ceramidase inhibits YAP/TAZ signaling to reduce fibrosis in mice. Science Translational Medicine, 2020, 12, .	5.8	71
2053	Effect of the 3D Artificial Nichoid on the Morphology and Mechanobiological Response of Mesenchymal Stem Cells Cultured In Vitro. Cells, 2020, 9, 1873.	1.8	27
2054	Independent Tuning of Nanoâ€Ligand Frequency and Sequences Regulates the Adhesion and Differentiation of Stem Cells. Advanced Materials, 2020, 32, 2004300.	11.1	30
2055	Nanoparticles Loaded with Wnt and YAP/Mevalonate Inhibitors in Combination with Paclitaxel Stop the Growth of TNBC Patientâ€Derived Xenografts and Diminish Tumorigenesis. Advanced Therapeutics, 2020, 3, 2000123.	1.6	1

#	Article	IF	Citations
2056	Calcium-Permeable Channels in Tumor Vascularization: Peculiar Sensors of Microenvironmental Chemical and Physical Cues. Reviews of Physiology, Biochemistry and Pharmacology, 2020, , 1.	0.9	11
2057	Reengineering Bone-Implant Interfaces for Improved Mechanotransduction and Clinical Outcomes. Stem Cell Reviews and Reports, 2020, 16, 1121-1138.	1.7	15
2058	Stem Cell Mechanobiology and the Role of Biomaterials in Governing Mechanotransduction and Matrix Production for Tissue Regeneration. Frontiers in Bioengineering and Biotechnology, 2020, 8, 597661.	2.0	62
2059	Low-intensity vibration restores nuclear YAP levels and acute YAP nuclear shuttling in mesenchymal stem cells subjected to simulated microgravity. Npj Microgravity, 2020, 6, 35.	1.9	20
2060	Proteoglycans as Mediators of Cancer Tissue Mechanics. Frontiers in Cell and Developmental Biology, 2020, 8, 569377.	1.8	28
2061	The Collagen-Based Medical Device MD-Tissue Acts as a Mechanical Scaffold Influencing Morpho-Functional Properties of Cultured Human Tenocytes. Cells, 2020, 9, 2641.	1.8	6
2062	Topographical and Biomechanical Guidance of Electrospun Fibers for Biomedical Applications. Polymers, 2020, 12, 2896.	2.0	29
2063	Transforming Growth Factor-Î² Signaling in Fibrotic Diseases and Cancer-Associated Fibroblasts. Biomolecules, 2020, 10, 1666.	1.8	80
2064	Mud Loss Restricts Yki-Dependent Hyperplasia in Drosophila Epithelia. Journal of Developmental Biology, 2020, 8, 34.	0.9	2
2065	Molecular Regulators of Cellular Mechanoadaptation at Cellâ€“Material Interfaces. Frontiers in Bioengineering and Biotechnology, 2020, 8, 608569.	2.0	12
2066	A uniform expression library for the exploration of FOX transcription factor biology. Differentiation, 2020, 115, 30-36.	1.0	19
2067	A glitch in the matrix: Ageâ€dependent changes in the extracellular matrix facilitate common sites of metastasis. Aging and Cancer, 2020, 1, 19-29.	0.5	11
2068	Quantification of uncertainty in a new network model of pulmonary arterial adventitial fibroblast pro-fibrotic signalling. Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences, 2020, 378, 20190338.	1.6	10
2069	MLL4-associated condensates counterbalance Polycomb-mediated nuclear mechanical stress in Kabuki syndrome. Nature Genetics, 2020, 52, 1397-1411.	9.4	53
2070	Exploration of Pericyte-Derived Factors Implicated in Lung Cancer Brain Metastasis Protection: A Pilot Messenger RNA Sequencing Using the Bloodâ€“Brain Barrier In Vitro Model. Cellular and Molecular Neurobiology, 2020, , 1.	1.7	4
2071	Application of FRET Biosensors in Mechanobiology and Mechanopharmacological Screening. Frontiers in Bioengineering and Biotechnology, 2020, 8, 595497.	2.0	50
2072	Endomembranes: Unsung Heroes of Mechanobiology?. Frontiers in Bioengineering and Biotechnology, 2020, 8, 597721.	2.0	7
2073	Cells Involved in Mechanotransduction Including Mesenchymal Stem Cells. , 2020, , 311-332.		2

#	Article	IF	Citations
2074	Synergistic use of biomaterials and licensed therapeutics to manipulate bone remodelling and promote non-union fracture repair. Advanced Drug Delivery Reviews, 2020, 160, 212-233.	6.6	19
2075	Mechanosensitive Yes-Associated Protein in Human Skin during Aging. Advances in Gerontology, 2020, 10, 35-40.	0.1	0
2076	Plaque features and vascular geometry in basilar artery atherosclerosis. Medicine (United States), 2020, 99, e19742.	0.4	8
2077	YAP Mediates Hair Cell Regeneration in Balance Organs of Chickens, But LATS Kinases Suppress Its Activity in Mice. Journal of Neuroscience, 2020, 40, 3915-3932.	1.7	24
2078	Highâ€Throughput Screening and Hierarchical Topographyâ€Mediated Neural Differentiation of Mesenchymal Stem Cells. Advanced Healthcare Materials, 2020, 9, e2000117.	3.9	36
2079	Mechanical Cues Regulating Proangiogenic Potential of Human Mesenchymal Stem Cells through YAPâ€Mediated Mechanosensing. Small, 2020, 16, e2001837.	5.2	25
2080	Synergistic Effect of Cell-Derived Extracellular Matrices and Topography on Osteogenesis of Mesenchymal Stem Cells. ACS Applied Materials & Interfaces, 2020, 12, 25591-25603.	4.0	41
2081	Targeting Actomyosin Contractility Suppresses Malignant Phenotypes of Acute Myeloid Leukemia Cells. International Journal of Molecular Sciences, 2020, 21, 3460.	1.8	5
2082	Exosomes derived from hucMSC attenuate renal fibrosis through CK1Î´/Î²-TRCP-mediated YAP degradation. Cell Death and Disease, 2020, 11, 327.	2.7	60
2083	Agrin Promotes Limbal Stem Cell Proliferation and Corneal Wound Healing Through Hippo-Yap Signaling Pathway. , 2020, 61, 7.		16
2084	Molecular Mechanism of Hippoâ€“YAP1/TAZ Pathway in Heart Development, Disease, and Regeneration. Frontiers in Physiology, 2020, 11, 389.	1.3	43
2085	Adhesion and Migration Response to Radiation Therapy of Mammary Epithelial and Adenocarcinoma Cells Interacting with Different Stiffness Substrates. Cancers, 2020, 12, 1170.	1.7	17
2086	Nanoparticles as Versatile Tools for Mechanotransduction in Tissues and Organoids. Frontiers in Bioengineering and Biotechnology, 2020, 8, 240.	2.0	19
2087	Mask, a component of the Hippo pathway, is required for Drosophila eye morphogenesis. Developmental Biology, 2020, 464, 53-70.	0.9	8
2088	Crucial Role of Lamin A/C in the Migration and Differentiation of MSCs in Bone. Cells, 2020, 9, 1330.	1.8	30
2089	RhoBTB Proteins Regulate the Hippo Pathway by Antagonizing Ubiquitination of LKB1. G3: Genes, Genomes, Genetics, 2020, 10, 1319-1325.	0.8	6
2090	MAML1/2 promote YAP/TAZ nuclear localization and tumorigenesis. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 13529-13540.	3.3	33
2091	Pivotal role of the transcriptional co-activator YAP in trophoblast stemness of the developing human placenta. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 13562-13570.	3.3	95

#	Article	IF	Citations
2092	Angiomotin links ROCK and YAP signaling in mechanosensitive differentiation of neural stem cells. Molecular Biology of the Cell, 2020, 31, 386-396.	0.9	26
2093	Yap1-Scribble polarization is required for hematopoietic stem cell division and fate. Blood, 2020, 136, 1824-1836.	0.6	26
2094	CXCR4 mediates matrix stiffness-induced downregulation of UBTD1 driving hepatocellular carcinoma progression via YAP signaling pathway. Theranostics, 2020, 10, 5790-5801.	4.6	41
2095	Engineering slitâ€like channels for studying the growth of epithelial tissues in 3Dâ€confined spaces. Biotechnology and Bioengineering, 2020, 117, 2887-2896.	1.7	5
2096	Reduction of Liver Metastasis Stiffness Improves Response to Bevacizumab in Metastatic Colorectal Cancer. Cancer Cell, 2020, 37, 800-817.e7.	7.7	179
2097	Biomimetic Multiscale Hierarchical Topography Enhances Osteogenic Differentiation of Human Mesenchymal Stem Cells. Advanced Materials Interfaces, 2020, 7, 2000385.	1.9	20
2098	Cross-talk between Hippo and Wnt signalling pathways in intestinal crypts: Insights from an agent-based model. Computational and Structural Biotechnology Journal, 2020, 18, 230-240.	1.9	12
2099	Mechano-therapeutics: Targeting Mechanical Signaling in Fibrosis and Tumor Stroma. , 2020, 212, 107575.		69
2100	Hyaluronan Degradation Promotes Cancer via Hippoâ€YAP Signaling: An Intervention Point for Cancer Therapy. BioEssays, 2020, 42, e2000005.	1.2	3
2101	Tissue stiffness contributes to YAP activation in bladder cancer patients undergoing transurethral resection. Annals of the New York Academy of Sciences, 2020, 1473, 48-61.	1.8	31
2102	Mechanical loading induces HIF-1Î± expression in chondrocytes via YAP. Biotechnology Letters, 2020, 42, 1645-1654.	1.1	12
2103	Assembly of lung progenitors into developmentally-inspired geometry drives differentiation via cellular tension. Biomaterials, 2020, 254, 120128.	5.7	31
2104	The multiple roles of Thy-1 in cell differentiation and regeneration. Differentiation, 2020, 113, 38-48.	1.0	16
2105	Lamin A/C Mechanotransduction in Laminopathies. Cells, 2020, 9, 1306.	1.8	46
2106	A Potential Role of YAP/TAZ in the Interplay Between Metastasis and Metabolic Alterations. Frontiers in Oncology, 2020, 10, 928.	1.3	61
2107	Mechanical tumor microenvironment and transduction: cytoskeleton mediates cancer cell invasion and metastasis. International Journal of Biological Sciences, 2020, 16, 2014-2028.	2.6	92
2108	Mechano-active biomaterials for tissue repair and regeneration. Journal of Materials Science and Technology, 2020, 59, 227-233.	5.6	15
2109	Ligand Diffusion Enables Forceâ€Independent Cell Adhesion via Activating Î±5Î²1 Integrin and Initiating Rac and RhoA Signaling. Advanced Materials, 2020, 32, e2002566.	11.1	50

#	Article	IF	Citations
2110	Compressive Stimulation Enhances Ovarian Cancer Proliferation, Invasion, Chemoresistance, and Mechanotransduction via CDC42 in a 3D Bioreactor. Cancers, 2020, 12, 1521.	1.7	35
2111	BMPâ€2 Signaling and Mechanotransduction Synergize to Drive Osteogenic Differentiation via YAP/TAZ. Advanced Science, 2020, 7, 1902931.	5.6	66
2112	Yes-associated protein and transcriptional coactivator with PDZ-binding motif as new targets in cardiovascular diseases. Pharmacological Research, 2020, 159, 105009.	3.1	32
2113	Intravital three-dimensional bioprinting. Nature Biomedical Engineering, 2020, 4, 901-915.	11.6	131
2114	The Impact of the Ubiquitin System in the Pathogenesis of Squamous Cell Carcinomas. Cancers, 2020, 12, 1595.	1.7	11
2115	Gî±12/13 signaling in metabolic diseases. Experimental and Molecular Medicine, 2020, 52, 896-910.	3.2	22
2116	Epithelial tissue geometry directs emergence of bioelectric field and pattern of proliferation. Molecular Biology of the Cell, 2020, 31, 1691-1702.	0.9	29
2117	Small Molecule Dysregulation of TEAD Lipidation Induces a Dominant-Negative Inhibition of Hippo Pathway Signaling. Cell Reports, 2020, 31, 107809.	2.9	88
2118	Superficial and deep zone articular chondrocytes exhibit differences in actin polymerization status and actin-associated molecules in vitro. Osteoarthritis and Cartilage Open, 2020, 2, 100071.	0.9	3
2119	The Hippo Pathway as a Driver of Select Human Cancers. Trends in Cancer, 2020, 6, 781-796.	3.8	39
2120	Tissue cross talks governing limb muscle development and regeneration. Seminars in Cell and Developmental Biology, 2020, 104, 14-30.	2.3	22
2121	A SMAD1/5-YAP signaling module drives radial glia self-amplification and growth of the developing cerebral cortex. Development (Cambridge), 2020, 147, .	1.2	12
2122	Targeting the Hippo pathway in cancer, fibrosis, wound healing and regenerative medicine. Nature Reviews Drug Discovery, 2020, 19, 480-494.	21.5	396
2123	Regulation of heterogeneous cancer-associated fibroblasts: the molecular pathology of activated signaling pathways. Journal of Experimental and Clinical Cancer Research, 2020, 39, 112.	3.5	158
2124	A Driver Never Works Aloneâ€"Interplay Networks of Mutant p53, MYC, RAS, and Other Universal Oncogenic Drivers in Human Cancer. Cancers, 2020, 12, 1532.	1.7	12
2125	Heterogeneous Responses to Mechanical Force of Prostate Cancer Cells Inducing Different Metastasis Patterns. Advanced Science, 2020, 7, 1903583.	5.6	20
2126	Molecular mechanosensors in osteocytes. Bone Research, 2020, 8, 23.	5.4	209
2127	The Hippo pathway oncoprotein YAP promotes melanoma cell invasion and spontaneous metastasis. Oncogene, 2020, 39, 5267-5281.	2.6	53

#	Article	IF	Citations
2128	Tumor-stroma biomechanical crosstalk: a perspective on the role of caveolin-1 in tumor progression. Cancer and Metastasis Reviews, 2020, 39, 485-503.	2.7	11
2129	Substrate Dissipation Energy Regulates Cell Adhesion and Spreading. Advanced Functional Materials, 2020, 30, 2001977.	7.8	27
2130	Hippo signaling in regeneration and aging. Mechanisms of Ageing and Development, 2020, 189, 111280.	2.2	11
2131	Culture Into Perfusion-Assisted Bioreactor Promotes Valve-Like Tissue Maturation of Recellularized Pericardial Membrane. Frontiers in Cardiovascular Medicine, 2020, 7, 80.	1.1	9
2132	Stochastic non-enzymatic modification of long-lived macromolecules - A missing hallmark of aging. Ageing Research Reviews, 2020, 62, 101097.	5.0	36
2133	Stem Cell Signaling Pathways in the Small Intestine. International Journal of Molecular Sciences, 2020, 21, 2032.	1.8	45
2134	Activation of the RhoA-YAP-Î²-catenin signaling axis promotes the expansion of inner ear progenitor cells in 3D culture. Stem Cells, 2020, 38, 860-874.	1.4	18
2135	Functional effects of Tribbles homolog 2 in bovine ovarian granulosa cellsâ€. Biology of Reproduction, 2020, 102, 1177-1190.	1.2	9
2136	Yes-Associated Protein and PDZ Binding Motif: A Critical Signaling Pathway in the Control of Human Pluripotent Stem Cells Self-Renewal and Differentiation. Cellular Reprogramming, 2020, 22, 55-61.	0.5	8
2137	Wnt5a Signaling in Gastric Cancer. Frontiers in Cell and Developmental Biology, 2020, 8, 110.	1.8	35
2138	Stiffness of the aligned fibers affects structural and functional integrity of the oriented endothelial cells. Acta Biomaterialia, 2020, 108, 237-249.	4.1	37
2139	A combat with the YAP/TAZ-TEAD oncoproteins for cancer therapy. Theranostics, 2020, 10, 3622-3635.	4.6	134
2140	Engineering Stem Cell-Derived Extracellular Matrices: Decellularization, Characterization, and Biological Function. Tissue Engineering - Part B: Reviews, 2020, 26, 402-422.	2.5	44
2141	Bioreactors in tissue engineering: mimicking the microenvironment. , 2020, , 709-752.		10
2142	TBK1 regulates YAP/TAZ and fibrogenic fibroblast activation. American Journal of Physiology - Lung Cellular and Molecular Physiology, 2020, 318, L852-L863.	1.3	23
2143	Homeobox A4 suppresses vascular remodeling by repressing <scp>YAP</scp> / <scp>TEAD</scp> transcriptional activity. EMBO Reports, 2020, 21, e48389.	2.0	19
2144	Hippo/YAP Signaling Pathway: A Promising Therapeutic Target in Bone Paediatric Cancers?. Cancers, 2020, 12, 645.	1.7	21
2145	Hippo Signaling-Mediated Mechanotransduction in Cell Movement and Cancer Metastasis. Frontiers in Molecular Biosciences, 2019, 6, 157.	1.6	46

#	Article	IF	Citations
2146	Modelling the effect of subcellular mutations on the migration of cells in the colorectal crypt. BMC Bioinformatics, 2020, 21, 95.	1.2	4
2147	Matrix Rigidity Controls Epithelial-Mesenchymal Plasticity and Tumor Metastasis via a Mechanoresponsive EPHA2/LYN Complex. Developmental Cell, 2020, 54, 302-316.e7.	3.1	128
2148	Matrix Stiffness Regulates Chemosensitivity, Stemness Characteristics, and Autophagy in Breast Cancer Cells. ACS Applied Bio Materials, 2020, 3, 4474-4485.	2.3	30
2149	High-throughput fabrication of cell-laden 3D biomaterial gradients. Materials Horizons, 2020, 7, 2414-2421.	6.4	20
2150	Matrix stiffness-sensitive long noncoding RNA NEAT1 seeded paraspeckles in cancer cells. Molecular Biology of the Cell, 2020, 31, 1654-1662.	0.9	14
2151	Influence of Microenvironment on Mesenchymal Stem Cell Therapeutic Potency: From Planar Culture to Microcarriers. Frontiers in Bioengineering and Biotechnology, 2020, 8, 640.	2.0	61
2152	Cell Behavior within Nanogrooved Sandwich Culture Systems. Small, 2020, 16, e2001975.	5.2	15
2153	Angiocrine Sphingosine-1-Phosphate Activation of S1PR2-YAP Signaling Axis in Alveolar Type II Cells Is Essential for Lung Repair. Cell Reports, 2020, 31, 107828.	2.9	38
2154	Cholangiocarcinoma 2020: the next horizon in mechanisms and management. Nature Reviews Gastroenterology and Hepatology, 2020, 17, 557-588.	8.2	1,155
2155	gp130 Controls Cardiomyocyte Proliferation and Heart Regeneration. Circulation, 2020, 142, 967-982.	1.6	86
2156	On the Interaction between 1D Materials and Living Cells. Journal of Functional Biomaterials, 2020, 11, 40.	1.8	6
2157	Disease-associated keratin mutations reduce traction forces and compromise adhesion and collective migration. Journal of Cell Science, 2020, 133, .	1.2	20
2158	Engineering the cellular mechanical microenvironment to regulate stem cell chondrogenesis: Insights from a microgel model. Acta Biomaterialia, 2020, 113, 393-406.	4.1	37
2159	Luteolin suppresses epithelial-mesenchymal transition and migration of triple-negative breast cancer cells by inhibiting YAP/TAZ activity. Biomedicine and Pharmacotherapy, 2020, 129, 110462.	2.5	44
2160	Shaping Organs: Shared Structural Principles Across Kingdoms. Annual Review of Cell and Developmental Biology, 2020, 36, 385-410.	4.0	35
2161	Mechanosensitive Piezo Channels in Cancer: Focus on altered Calcium Signaling in Cancer Cells and in Tumor Progression. Cancers, 2020, 12, 1780.	1.7	65
2162	Mechanical Shielding in Plant Nuclei. Current Biology, 2020, 30, 2013-2025.e3.	1.8	26
2163	Oncogenetic engagement with mechanosensing. Nature Materials, 2020, 19, 707-709.	13.3	3

#	Article	IF	Citations
2164	Role of the mechanical microenvironment in cancer development and progression. Cancer Biology and Medicine, 2020, 17, 282-292.	1.4	40
2165	Mechanical Stimulation of Adhesion Receptors Using Light-Responsive Nanoparticle Actuators Enhances Myogenesis. ACS Applied Materials & Interfaces, 2020, 12, 35903-35917.	4.0	24
2166	Natural Architectures for Tissue Engineering and Regenerative Medicine. Journal of Functional Biomaterials, 2020, 11, 47.	1.8	10
2167	YAP Non-cell-autonomously Promotes Pluripotency Induction in Mouse Cells. Stem Cell Reports, 2020, 14, 730-743.	2.3	19
2168	Bone responses to biomaterials. , 2020, , 617-636.		0
2169	Large-Area Aligned Fullerene Nanocrystal Scaffolds as Culture Substrates for Enhancing Mesenchymal Stem Cell Self-Renewal and Multipotency. ACS Applied Nano Materials, 2020, 3, 6497-6506.	2.4	41
2170	Wnt Activation After Inhibition Restores Trabecular Meshwork Cells Toward a Normal Phenotype. , 2020, 61, 30.		33
2171	The liver fibrosis niche: Novel insights into the interplay between fibrosis-composing mesenchymal cells, immune cells, endothelial cells, and extracellular matrix. Food and Chemical Toxicology, 2020, 143, 111556.	1.8	26
2172	YAP/TAZ Regulate Elevation and Bone Formation of the Mouse Secondary Palate. Journal of Dental Research, 2020, 99, 1387-1396.	2.5	14
2173	GPER Activation Inhibits Cancer Cell Mechanotransduction and Basement Membrane Invasion via RhoA. Cancers, 2020, 12, 289.	1.7	16
2175	Phototunable Viscoelasticity in Hydrogels Through Thioester Exchange. Annals of Biomedical Engineering, 2020, 48, 2053-2063.	1.3	22
2176	Skeletal muscle as an experimental model of choice to study tissue aging and rejuvenation. Skeletal Muscle, 2020, 10, 4.	1.9	32
2177	Feeling Things Out: Bidirectional Signaling of the Cellâ€“ECM Interface, Implications in the Mechanobiology of Cell Spreading, Migration, Proliferation, and Differentiation. Advanced Healthcare Materials, 2020, 9, e1901445.	3.9	70
2178	Advantages and limitations of a supernegative GFP in facilitating MyoD intracellular tracking. Methods and Applications in Fluorescence, 2020, 8, 025007.	1.1	0
2179	MMP24 as a Target of YAP Is a Potential Prognostic Factor in Cancer Patients. Bioengineering, 2020, 7, 18.	1.6	9
2180	Neuronal contact guidance and YAP signaling on ultra-small nanogratings. Scientific Reports, 2020, 10, 3742.	1.6	18
2181	Mechanical stress triggers nuclear remodeling and the formation of transmembrane actin nuclear lines with associated nuclear pore complexes. Molecular Biology of the Cell, 2020, 31, 1774-1787.	0.9	52
2182	Reprogramming normal cells into tumour precursors requires ECM stiffness and oncogene-mediated changes of cell mechanical properties. Nature Materials, 2020, 19, 797-806.	13.3	140

#	Article	IF	Citations
2183	Modeling the Tumor Microenvironment and Pathogenic Signaling in Bone Sarcoma. Tissue Engineering - Part B: Reviews, 2020, 26, 249-271.	2.5	16
2184	The YAP1 Signaling Inhibitors, Verteporfin and CA3, Suppress the Mesothelioma Cancer Stem Cell Phenotype. Molecular Cancer Research, 2020, 18, 343-351.	1.5	42
2185	Modulating Tumor Cell Functions by Tunable Nanopatterned Ligand Presentation. Nanomaterials, 2020, 10, 212.	1.9	1
2186	Surface Roughness Gradients Reveal Topographyâ€Specific Mechanosensitive Responses in Human Mesenchymal Stem Cells. Small, 2020, 16, e1905422.	5.2	134
2187	Atherosclerosis: Insights into Vascular Pathobiology and Outlook to Novel Treatments. Journal of Cardiovascular Translational Research, 2020, 13, 744-757.	1.1	41
2188	Dimensionality changes actin network through lamin A/C and zyxin. Biomaterials, 2020, 240, 119854.	5.7	15
2189	Targeting the cytoskeleton to direct pancreatic differentiation of human pluripotent stem cells. Nature Biotechnology, 2020, 38, 460-470.	9.4	215
2190	Systematic analysis of the Hippo pathway organization and oncogenic alteration in evolution. Scientific Reports, 2020, 10, 3173.	1.6	13
2191	Direct evidence that tumor cells soften when navigating confined spaces. Molecular Biology of the Cell, 2020, 31, 1726-1734.	0.9	66
2192	Tissue mechanics drives regeneration of a mucociliated epidermis on the surface of Xenopus embryonic aggregates. Nature Communications, 2020, 11, 665.	5.8	18
2193	Nuclear actin regulates cell proliferation and migration via inhibition of SRF and TEAD. Biochimica Et Biophysica Acta - Molecular Cell Research, 2020, 1867, 118691.	1.9	18
2194	Discoidin Domain Receptors, DDR1b and DDR2, Promote Tumour Growth within Collagen but DDR1b Suppresses Experimental Lung Metastasis in HT1080 Xenografts. Scientific Reports, 2020, 10, 2309.	1.6	19
2195	Shaping Pancreatic Î²-Cell Differentiation and Functioning: The Influence of Mechanotransduction. Cells, 2020, 9, 413.	1.8	38
2196	Human umbilical cord mesenchymal stem cell-derived exosomes actÂviaÂthe miR-1263/Mob1/Hippo signaling pathway toÂprevent apoptosis inÂdisuse osteoporosis. Biochemical and Biophysical Research Communications, 2020, 524, 883-889.	1.0	65
2197	Paracrine Signaling from Breast Cancer Cells Causes Activation of ID4 Expression in Tumor-Associated Macrophages. Cells, 2020, 9, 418.	1.8	10
2198	Multiple roles and context-specific mechanisms underlying YAP and TAZ-mediated resistance to anti-cancer therapy. Biochimica Et Biophysica Acta: Reviews on Cancer, 2020, 1873, 188341.	3.3	20
2199	Treatment-Induced Tumor Dormancy through YAP-Mediated Transcriptional Reprogramming of the Apoptotic Pathway. Cancer Cell, 2020, 37, 104-122.e12.	7.7	267
2200	Highâ€Aspectâ€Ratio Nanostructured Surfaces as Biological Metamaterials. Advanced Materials, 2020, 32, e1903862.	11.1	161

#	Article	IF	Citations
2201	Myofibroblast activation in synthetic fibrous matrices composed of dextran vinyl sulfone. Acta Biomaterialia, 2020, 105, 78-86.	4.1	36
2202	Gelator Length Precisely Tunes Supramolecular Hydrogel Stiffness and Neuronal Phenotype in 3D Culture. ACS Biomaterials Science and Engineering, 2020, 6, 1196-1207.	2.6	36
2203	Scars or Regeneration?â€"Dermal Fibroblasts as Drivers of Diverse Skin Wound Responses. International Journal of Molecular Sciences, 2020, 21, 617.	1.8	76
2204	Role of carotenoids and retinoids during heart development. Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids, 2020, 1865, 158636.	1.2	15
2205	Hâ€Ras Transformation of Mammary Epithelial Cells Induces ERKâ€Mediated Spreading on Low Stiffness Matrix. Advanced Healthcare Materials, 2020, 9, e1901366.	3.9	7
2206	Screening for YAP Inhibitors Identifies Statins as Modulators of Fibrosis. American Journal of Respiratory Cell and Molecular Biology, 2020, 62, 479-492.	1.4	36
2207	Dysfunctional Mechanotransduction through the YAP/TAZ/Hippo Pathway as a Feature of Chronic Disease. Cells, 2020, 9, 151.	1.8	33
2208	The role of Hippo signaling pathway and mechanotransduction in tuning embryoid body formation and differentiation. Journal of Cellular Physiology, 2020, 235, 5072-5083.	2.0	21
2209	Synovial fibroblasts and articular tissue remodelling: Role and mechanisms. Seminars in Cell and Developmental Biology, 2020, 101, 140-145.	2.3	48
2210	Mechanical force regulation of YAP by F-actin and GPCR revealed by super-resolution imaging. Nanoscale, 2020, 12, 2703-2714.	2.8	34
2211	Lysine demethylase 2 (KDM2B) regulates hippo pathway via MOB1 to promote pancreatic ductal adenocarcinoma (PDAC) progression. Journal of Experimental and Clinical Cancer Research, 2020, 39, 13.	3.5	16
2212	Tethering transforming growth factor Î²1 to soft hydrogels guides vascular smooth muscle commitment from human mesenchymal stem cells. Acta Biomaterialia, 2020, 105, 68-77.	4.1	11
2213	YAP-dependent necrosis occurs in early stages of Alzheimerâ€™s disease and regulates mouse model pathology. Nature Communications, 2020, 11, 507.	5.8	62
2214	The Histone Methyltransferase G9a Promotes Cholangiocarcinogenesis Through Regulation of the Hippo Pathway Kinase LATS2 and YAP Signaling Pathway. Hepatology, 2020, 72, 1283-1297.	3.6	29
2215	Therapeutic molecular targets of SSc-ILD. Journal of Scleroderma and Related Disorders, 2020, 5, 17-30.	1.0	6
2216	Geometry of the Carotid Artery and Its Association With Pathologic Changes in a Chinese Population. Frontiers in Physiology, 2019, 10, 1628.	1.3	9
2217	Furry protein suppresses nuclear localization of yes-associated protein (YAP) by activating NDR kinase and binding to YAP. Journal of Biological Chemistry, 2020, 295, 3017-3028.	1.6	9
2218	Mechanomicrobiology: how bacteria sense and respond to forces. Nature Reviews Microbiology, 2020, 18, 227-240.	13.6	171

#	Article	IF	Citations
2219	Profiling of the muscle-specific dystroglycan interactome reveals the role of Hippo signaling in muscular dystrophy and age-dependent muscle atrophy. BMC Medicine, 2020, 18, 8.	2.3	20
2220	Insights into the angiogenic effects of nanomaterials: mechanisms involved and potential applications. Journal of Nanobiotechnology, 2020, 18, 9.	4.2	46
2221	DLC1 is a direct target of activated YAP/TAZ that drives collective migration and sprouting angiogenesis. Journal of Cell Science, 2020, 133, .	1.2	23
2222	YAP and the RhoC regulator ARHGAP18, are required to mediate flow-dependent endothelial cell alignment. Cell Communication and Signaling, 2020, 18, 18.	2.7	17
2223	Clinical translation of liver regeneration therapies: A conceptual road map. Biochemical Pharmacology, 2020, 175, 113847.	2.0	11
2224	Does Mechanocrine Signaling by Liver Sinusoidal Endothelial Cells Offer New Opportunities for the Development of Anti-fibrotics?. Frontiers in Medicine, 2019, 6, 312.	1.2	12
2225	Î²â€Catenin Preserves the Stem State of Murine Bone Marrow Stromal Cells Through Activation of EZH2. Journal of Bone and Mineral Research, 2020, 35, 1149-1162.	3.1	42
2226	YAP Regulates Hematopoietic Stem Cell Formation in Response to the Biomechanical Forces of Blood Flow. Developmental Cell, 2020, 52, 446-460.e5.	3.1	65
2227	Mechanical Regulation of Nuclear Translocation in Migratory Neurons. Frontiers in Cell and Developmental Biology, 2020, 8, 150.	1.8	23
2228	Spreading area and shape regulate the apoptosis and osteogenesis of mesenchymal stem cells on circular and branched micropatterned islands. Journal of Biomedical Materials Research - Part A, 2020, 108, 2080-2089.	2.1	16
2229	Mechanotransduction pathways in the regulation of cartilage chondrocyte homoeostasis. Journal of Cellular and Molecular Medicine, 2020, 24, 5408-5419.	1.6	109
2230	Schwann cell interactions during the development of the peripheral nervous system. Developmental Neurobiology, 2021, 81, 464-489.	1.5	43
2231	Matrix stiffness controls cardiac fibroblast activation through regulating YAP via AT₁R. Journal of Cellular Physiology, 2020, 235, 8345-8357.	2.0	28
2232	The role of Piezo proteins and cellular mechanosensing in tuning the fate of transplanted stem cells. Cell and Tissue Research, 2020, 381, 1-12.	1.5	23
2233	Mechanobiology, tissue development, and tissue engineering. , 2020, , 237-256.		3
2234	Combinatorial extracellular matrix microarray identifies novel bioengineered substrates for xeno-free culture of human pluripotent stem cells. Biomaterials, 2020, 248, 120017.	5.7	23
2235	The secreted protease Adamts18 links hormone action to activation of the mammary stem cell niche. Nature Communications, 2020, 11, 1571.	5.8	37
2236	YAP Activity is Not Associated with Survival of Uveal Melanoma Patients and Cell Lines. Scientific Reports, 2020, 10, 6209.	1.6	15

#	Article	IF	Citations
2237	Influence of the mechanical properties of biomaterials on degradability, cell behaviors and signaling pathways: current progress and challenges. Biomaterials Science, 2020, 8, 2714-2733.	2.6	111
2238	Topography induced stiffness alteration of stem cells influences osteogenic differentiation. Biomaterials Science, 2020, 8, 2638-2652.	2.6	41
2239	Composition and Mechanism of Three-Dimensional Hydrogel System in Regulating Stem Cell Fate. Tissue Engineering - Part B: Reviews, 2020, 26, 498-518.	2.5	28
2240	The surface stress of biomedical silicones is a stimulant of cellular response. Science Advances, 2020, 6, eaay0076.	4.7	23
2241	The YAP/TAZ Pathway in Osteogenesis and Bone Sarcoma Pathogenesis. Cells, 2020, 9, 972.	1.8	66
2242	Size-Tunable Nanoneedle Arrays for Influencing Stem Cell Morphology, Gene Expression, and Nuclear Membrane Curvature. ACS Nano, 2020, 14, 5371-5381.	7.3	51
2243	Biomechanical stimulation effects on the metabolism of adipocyte. Journal of Cellular Physiology, 2020, 235, 8702-8713.	2.0	8
2244	Tankyrase inhibition sensitizes melanoma to PD-1 immune checkpoint blockade in syngeneic mouse models. Communications Biology, 2020, 3, 196.	2.0	27
2245	The regulation of Yorkie, YAP and TAZ: new insights into the Hippo pathway. Development (Cambridge), 2020, 147, .	1.2	50
2246	Matrix Stiffness and Colorectal Cancer . OncoTargets and Therapy, 2020, Volume 13, 2747-2755.	1.0	42
2247	Matrix mechanotransduction mediated by thrombospondin-1/integrin/YAP in the vascular remodeling. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 9896-9905.	3.3	90
2248	Fibrosis in Arrhythmogenic Cardiomyopathy: The Phantom Thread in the Fibro-Adipose Tissue. Frontiers in Physiology, 2020, 11, 279.	1.3	15
2249	Expansion of Ovarian Cancer Stem-like Cells in Poly(ethylene glycol)-Cross-Linked Poly(methyl vinyl) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 5 Engineering, 2020, 6, 3310-3326.	2.6	11
2250	A Feed-Forward Mechanosignaling Loop Confers Resistance to Therapies Targeting the MAPK Pathway in BRAF-Mutant Melanoma. Cancer Research, 2020, 80, 1927-1941.	0.4	46
2251	Endothelial Yes-Associated Protein 1 Promotes Astrocyte Proliferation and Maturation via Cytoplasmic Leukemia Inhibitory Factor Secretion in Oxygen-Induced Retinopathy. , 2020, 61, 1.		5
2252	Vascular permeability in the fibrotic lung. European Respiratory Journal, 2020, 56, 1900100.	3.1	52
2253	Characterization of a novel compound that promotes myogenesis viaÂAkt and transcriptional co-activator with PDZ-binding motif (TAZ) in mouse C2C12 cells. PLoS ONE, 2020, 15, e0231265.	1.1	1
2254	Putative Receptors for Gravity Sensing in Mammalian Cells: The Effects of Microgravity. Applied Sciences (Switzerland), 2020, 10, 2028.	1.3	9

#	Article	IF	Citations
2255	Lamin Mutations Cause Increased YAP Nuclear Entry in Muscle Stem Cells. Cells, 2020, 9, 816.	1.8	28
2256	â€œLooping Inâ€•Mechanics: Mechanobiologic Regulation of the Nucleus and the Epigenome. Advanced Healthcare Materials, 2020, 9, e2000030.	3.9	16
2257	Substrate Topography Regulates Differentiation of Annulus Fibrosus-Derived Stem Cells via CAV1-YAP-Mediated Mechanotransduction. ACS Biomaterials Science and Engineering, 2021, 7, 862-871.	2.6	14
2258	Pathological matrix stiffness promotes cardiac fibroblast differentiation through the POU2F1 signaling pathway. Science China Life Sciences, 2021, 64, 242-254.	2.3	19
2259	Understanding the cellular responses based on low-density electrospun fiber networks. Materials Science and Engineering C, 2021, 119, 111470.	3.8	17
2260	An overview of signaling pathways regulating YAP/TAZ activity. Cellular and Molecular Life Sciences, 2021, 78, 497-512.	2.4	59
2261	SHANK2 is a frequently amplified oncogene with evolutionarily conserved roles in regulating Hippo signaling. Protein and Cell, 2021, 12, 174-193.	4.8	9
2262	Inducible Deletion of YAP and TAZ in Adult Mouse Smooth Muscle Causes Rapid and Lethal Colonic Pseudo-Obstruction. Cellular and Molecular Gastroenterology and Hepatology, 2021, 11, 623-637.	2.3	14
2263	Mechanical Feed-Forward Loops Contribute to Idiopathic Pulmonary Fibrosis. American Journal of Pathology, 2021, 191, 18-25.	1.9	29
2264	Hippo Signaling in Embryogenesis and Development. Trends in Biochemical Sciences, 2021, 46, 51-63.	3.7	118
2265	Controversies Surrounding the Origin of Hepatocytes in Adult Livers and the inÂVitro Generation or Propagation of Hepatocytes. Cellular and Molecular Gastroenterology and Hepatology, 2021, 11, 273-290.	2.3	10
2266	YAP and TAZ Are Not Identical Twins. Trends in Biochemical Sciences, 2021, 46, 154-168.	3.7	82
2267	Materials control of the epigenetics underlying cell plasticity. Nature Reviews Materials, 2021, 6, 69-83.	23.3	49
2268	Volumetric Compression Induces Intracellular Crowding to Control Intestinal Organoid Growth via Wnt/Î²-Catenin Signaling. Cell Stem Cell, 2021, 28, 63-78.e7.	5.2	62
2269	EZH2 Regulates the Correlation between Skin Regeneration and the Duration of Mechanical Stretch. Journal of Investigative Dermatology, 2021, 141, 894-902.e9.	0.3	11
2270	Mechanical Regulation of Apoptosis in the Cardiovascular System. Annals of Biomedical Engineering, 2021, 49, 75-97.	1.3	23
2271	The Hippo Pathway in Liver Homeostasis and Pathophysiology. Annual Review of Pathology: Mechanisms of Disease, 2021, 16, 299-322.	9.6	79
2272	Regulation of Hippo signaling pathway in cancer: A MicroRNA perspective. Cellular Signalling, 2021, 78, 109858.	1.7	21

#	Article	IF	Citations
2273	Squeezing through the microcirculation: survival adaptations of circulating tumour cells to seed metastasis. British Journal of Cancer, 2021, 124, 58-65.	2.9	35
2274	Tunable Hybrid Matrices Drive Epithelial Morphogenesis and YAP Translocation. Advanced Science, 2021, 8, 2003380.	5.6	13
2275	Crosstalk between mechanotransduction and metabolism. Nature Reviews Molecular Cell Biology, 2021, 22, 22-38.	16.1	193
2276	Controllable ligand spacing stimulates cellular mechanotransduction and promotes stem cell osteogenic differentiation on soft hydrogels. Biomaterials, 2021, 268, 120543.	5.7	48
2277	Steering cell behavior through mechanobiology in 3D: A regenerative medicine perspective. Biomaterials, 2021, 268, 120572.	5.7	55
2278	Metastasis: crosstalk between tissue mechanics and tumour cell plasticity. British Journal of Cancer, 2021, 124, 49-57.	2.9	25
2279	Biomaterials Regulate Mechanosensors YAP/TAZ in Stem Cell Growth and Differentiation. Tissue Engineering and Regenerative Medicine, 2021, 18, 199-215.	1.6	22
2280	TGFÎ² promotes YAPâ€dependent AXL induction in mesenchymalâ€type lung cancer cells. Molecular Oncology, 2021, 15, 679-696.	2.1	5
2281	Network patterning, morphogenesis and growth in lymphatic vascular development. Current Topics in Developmental Biology, 2021, 143, 151-204.	1.0	3
2282	Integrin-mediated adhesion and mechanosensing in the mammary gland. Seminars in Cell and Developmental Biology, 2021, 114, 113-125.	2.3	12
2283	Organoid-based modeling of intestinal development, regeneration, and repair. Cell Death and Differentiation, 2021, 28, 95-107.	5.0	60
2284	The Integrin Interactome. Methods in Molecular Biology, 2021, , .	0.4	0
2285	Keloid disorder: Fibroblast differentiation and gene expression profile in fibrotic skin diseases. Experimental Dermatology, 2021, 30, 132-145.	1.4	59
2286	2-Hydroxylation of Fatty Acids Represses Colorectal Tumorigenesis and Metastasis via the YAP Transcriptional Axis. Cancer Research, 2021, 81, 289-302.	0.4	25
2287	Molecular Mechanisms of Skeletal Muscle Hypertrophy. Journal of Neuromuscular Diseases, 2021, 8, 169-183.	1.1	64
2288	Mechanical Forces Orchestrate Brain Development. Trends in Neurosciences, 2021, 44, 110-121.	4.2	29
2289	Matrix stiffness epigenetically regulates the oncogenic activation of the Yes-associated protein in gastric cancer. Nature Biomedical Engineering, 2021, 5, 114-123.	11.6	65
2290	YAP contributes to DNA methylation remodeling upon mouse embryonic stem cell differentiation. Journal of Biological Chemistry, 2021, 296, 100138.	1.6	25

#	Article	IF	Citations
2291	The Effect of Physical Cues of Biomaterial Scaffolds on Stem Cell Behavior. Advanced Healthcare Materials, 2021, 10, e2001244.	3.9	42
2292	The ginsenoside metabolite compound K stimulates glucagon-like peptide-1 secretion in NCIâ€“H716Âcells by regulating the RhoA/ROCKs/YAP signaling pathway and cytoskeleton formation. Journal of Pharmacological Sciences, 2021, 145, 88-96.	1.1	12
2293	A low-cost uniaxial cell stretcher for six parallel wells. HardwareX, 2021, 9, e00162.	1.1	10
2294	Multiscale Analysis of Extracellular Matrix Remodeling in the Failing Heart. Circulation Research, 2021, 128, 24-38.	2.0	60
2295	Biomimetic mineralized microenvironment stiffness regulated BMSCs osteogenic differentiation through cytoskeleton mediated mechanical signaling transduction. Materials Science and Engineering C, 2021, 119, 111613.	3.8	20
2296	YAPâ€“TEAD1 control of cytoskeleton dynamics and intracellular tension guides human pluripotent stem cell mesoderm specification. Cell Death and Differentiation, 2021, 28, 1193-1207.	5.0	33
2297	Directionalities of magnetic fields and topographic scaffolds synergise to enhance MSC chondrogenesis. Acta Biomaterialia, 2021, 119, 169-183.	4.1	21
2298	Energy expenditure during cell spreading influences the cellular response to matrix stiffness. Biomaterials, 2021, 267, 120494.	5.7	38
2299	Stimulation of neural stem cell differentiation by circularly polarized light transduced by chiral nanoassemblies. Nature Biomedical Engineering, 2021, 5, 103-113.	11.6	98
2300	Culture substrate-associated YAP inactivation underlies chondrogenic differentiation of human induced pluripotent stem cells. Stem Cells Translational Medicine, 2021, 10, 115-127.	1.6	16
2301	RhoA Activation Decreases Phagocytosis of Trabecular Meshwork Cells. Current Eye Research, 2021, 46, 496-503.	0.7	8
2302	The regulation of RANKL by mechanical force. Journal of Bone and Mineral Metabolism, 2021, 39, 34-44.	1.3	12
2303	Highâ€Throughput Magnetic Actuation Platform for Evaluating the Effect of Mechanical Force on 3D Tumor Microenvironment. Advanced Functional Materials, 2021, 31, .	7.8	5
2304	YAP and TAZ Promote Periosteal Osteoblast Precursor Expansion and Differentiation for Fracture Repair. Journal of Bone and Mineral Research, 2020, 36, 143-157.	3.1	32
2305	The Hippo Tumor Suppressor Pathway (YAP/TAZ/TEAD/MST/LATS) and EGFR-RAS-RAF-MEK in cancer metastasis. Genes and Diseases, 2021, 8, 48-60.	1.5	33
2306	Hippo pathway effectors YAP and TAZ and their association with skeletal muscle ageing. Journal of Physiology and Biochemistry, 2021, 77, 63-73.	1.3	8
2307	The regulatory networks of the Hippo signaling pathway in cancer development. Journal of Cancer, 2021, 12, 6216-6230.	1.2	23
2308	Polarized Proteins in Endothelium and Their Contribution to Function. Journal of Vascular Research, 2021, 58, 65-91.	0.6	18

#	Article	IF	Citations
2309	Integrin Î²3 overexpression contributes to podocyte injury through inhibiting RhoA/YAP signaling pathway. Bioengineered, 2021, 12, 1138-1149.	1.4	2
2310	Differential Impact of Fluid Shear Stress and YAP/TAZ on BMP/TGFâ€Î² Induced Osteogenic Target Genes. Advanced Biology, 2021, 5, 2000051.	1.4	10
2311	Physical Interaction between HPV16E7 and the Actin-Binding Protein Gelsolin Regulates Epithelial-Mesenchymal Transition via HIPPO-YAP Axis. Cancers, 2021, 13, 353.	1.7	7
2313	CCN2 (Cellular Communication Network factor 2) in the bone marrow microenvironment, normal and malignant hematopoiesis. Journal of Cell Communication and Signaling, 2021, 15, 25-56.	1.8	10
2314	On/off switchable physical stimuli regulate the future direction of adherent cellular fate. Journal of Materials Chemistry B, 2021, 9, 5560-5571.	2.9	3
2315	Wnt signaling and mammary stem cells. Vitamins and Hormones, 2021, 116, 21-50.	0.7	3
2316	Stem cells in pulmonary alveolar regeneration. Development (Cambridge), 2021, 148, dev193458.	1.2	28
2317	Mechanotransduction-on-chip: vessel-chip model of endothelial YAP mechanobiology reveals matrix stiffness impedes shear response. Lab on A Chip, 2021, 21, 1738-1751.	3.1	17
2318	Mechanotranduction Pathways in the Regulation of Mitochondrial Homeostasis in Cardiomyocytes. Frontiers in Cell and Developmental Biology, 2020, 8, 625089.	1.8	24
2319	Synergy of molecularly mobile polyrotaxane surfaces with endothelial cell co-culture for mesenchymal stem cell mineralization. RSC Advances, 2021, 11, 18685-18692.	1.7	0
2320	Mechanotransduction, nanotechnology, and nanomedicine. Journal of Biomedical Research, 2021, 35, 284.	0.7	7
2321	Biomechanical Regulation of Stem Cell Fate. Current Stem Cell Reports, 2021, 7, 30-38.	0.7	0
2323	Co-culture with Endothelial Progenitor Cells promotes the Osteogenesis of Bone Mesenchymal Stem Cells via the VEGF-YAP axis in high-glucose environments. International Journal of Medical Sciences, 2021, 18, 1628-1638.	1.1	3
2324	Hemodynamic Control of Endothelial Cell Fates in Development. Cardiac and Vascular Biology, 2021, , 127-166.	0.2	0
2325	Current Advances in 3D Tissue and Organ Reconstruction. International Journal of Molecular Sciences, 2021, 22, 830.	1.8	30
2326	The Hippo pathway: Horizons for innovative treatments of peripheral nerve diseases. Journal of the Peripheral Nervous System, 2021, 26, 4-16.	1.4	10
2327	Interrogating cardiac muscle cell mechanobiology on stiffness gradient hydrogels. Biomaterials Science, 2021, 9, 6795-6806.	2.6	12
2328	Harnessing Mechanobiology for Tissue Engineering. Developmental Cell, 2021, 56, 180-191.	3.1	54

#	Article	IF	Citations
2330	Discovery of N-aryl sulphonamide-quinazoline derivatives as anti-gastric cancer agents in vitro and in vivo via activating the Hippo signalling pathway. Journal of Enzyme Inhibition and Medicinal Chemistry, 2021, 36, 1715-1731.	2.5	6
2331	Response of Pluripotent Stem Cells to Environmental Stress and Its Application for Directed Differentiation. Biology, 2021, 10, 84.	1.3	10
2332	Mechano-Signaling Aspects of Hepatocellular Carcinoma. Journal of Cancer, 2021, 12, 6411-6421.	1.2	10
2333	What determines organ size during development and regeneration?. Development (Cambridge), 2021, 148, .	1.2	33
2334	YAP Activation and Implications in Patients and a Mouse Model of Biliary Atresia. Frontiers in Pediatrics, 2020, 8, 618226.	0.9	3
2335	The RGS-RhoGEFs control the amplitude of YAP1 activation by serum. Scientific Reports, 2021, 11, 2348.	1.6	1
2336	Dynamic patterns of YAP1 expression and cellular localization in the developing and injured utricle. Scientific Reports, 2021, 11, 2140.	1.6	9
2337	Endometrial extracellular matrix rigidity and IFNÏ„ ensure the establishment of early pregnancy through activation of YAP. Cell Proliferation, 2021, 54, e12976.	2.4	7
2338	Nucleocytoplasmic Shuttling of the Mechanosensitive Transcription Factors MRTF and YAP/TAZ. Methods in Molecular Biology, 2021, 2299, 197-216.	0.4	5
2339	Mechanobiological conditioning of mesenchymal stem cells for enhanced vascular regeneration. Nature Biomedical Engineering, 2021, 5, 89-102.	11.6	35
2340	Remodeling cancer stemness by collagen/fibronectin via the AKT and CDC42 signaling pathway crosstalk in glioma. Theranostics, 2021, 11, 1991-2005.	4.6	31
2341	High-throughput injection molded microfluidic device for single-cell analysis of spatiotemporal dynamics. Lab on A Chip, 2021, 21, 3150-3158.	3.1	21
2342	Radial extracorporeal shockwave promotes subchondral bone stem/progenitor cell self-renewal by activating YAP/TAZ and facilitates cartilage repair in vivo. Stem Cell Research and Therapy, 2021, 12, 19.	2.4	11
2343	Modeling effects of sustained bodyweight forces on adipose tissue microstructures and adipocytes in diabesity. , 2021, , 43-61.		0
2344	Wound Healing by Keratinocytes: A Cytoskeletal Perspective. Journal of the Indian Institute of Science, 2021, 101, 73-80.	0.9	6
2345	Gnas Inactivation Alters Subcutaneous Tissues in Progression to Heterotopic Ossification. Frontiers in Genetics, 2021, 12, 633206.	1.1	2
2346	MEKK2 and MEKK3 orchestrate multiple signals to regulate Hippo pathway. Journal of Biological Chemistry, 2021, 296, 100400.	1.6	12
2347	Chapter 12. Bioinspired and Bioinstructive Surfaces to Control Mesenchymal Stem Cells. RSC Soft Matter, 2021, , 301-325.	0.2	0

#	Article	IF	Citations
2348	Biomechanical regulation of endothelial function in atherosclerosis. , 2021, , 3-47.		5
2349	Tailoring Cellular Function: The Contribution of the Nucleus in Mechanotransduction. Frontiers in Bioengineering and Biotechnology, 2020, 8, 596746.	2.0	16
2350	YAP and endothelin-1 signaling: an emerging alliance in cancer. Journal of Experimental and Clinical Cancer Research, 2021, 40, 27.	3.5	23
2351	The Hippo pathway controls myofibril assembly and muscle fiber growth by regulating sarcomeric gene expression. ELife, 2021, 10, .	2.8	29
2352	Multiscale Regulation of the Intervertebral Disc: Achievements in Experimental, In Silico, and Regenerative Research. International Journal of Molecular Sciences, 2021, 22, 703.	1.8	27
2353	New Kids on the Block: The Emerging Role of YAP/TAZ in Vascular Cell Mechanotransduction. Cardiac and Vascular Biology, 2021, , 69-96.	0.2	2
2354	Material cytoskeleton crosstalk. , 2021, , 65-112.		0
2355	Molecular mobility of polyrotaxane-based biointerfaces alters inflammatory responses and polarization in Kupffer cell lines. Biomaterials Science, 2021, 9, 2271-2278.	2.6	7
2356	Biomimetic Culture Strategies for the Clinical Expansion of Mesenchymal Stromal Cells. ACS Biomaterials Science and Engineering, 2023, 9, 3742-3759.	2.6	5
2357	Focal Adhesion Kinase Fine Tunes Multifaced Signals toward Breast Cancer Progression. Cancers, 2021, 13, 645.	1.7	29
2358	Mechanical stretch induces osteogenesis through the alternative activation of macrophages. Journal of Cellular Physiology, 2021, 236, 6376-6390.	2.0	27
2359	Application of low-intensity pulsed therapeutic ultrasound on mesenchymal precursors does not affect their cell properties. PLoS ONE, 2021, 16, e0246261.	1.1	8
2360	Dynamic Environmental Physical Cues Activate Mechanosensitive Responses in the Repair Schwann Cell Phenotype. Cells, 2021, 10, 425.	1.8	5
2361	Analysis in silico of the functional interaction between WNT5A and YAP/TEAD signaling in cancer. PeerJ, 2021, 9, e10869.	0.9	3
2362	A Novel Method for Polyacrylamide Gel Preparation Using N-hydroxysuccinimide-acrylamide Ester to Study Cell-Extracellular Matrix Mechanical Interactions. Frontiers in Materials, 2021, 8, .	1.2	13
2363	ZNF416 is a pivotal transcriptional regulator of fibroblast mechanoactivation. Journal of Cell Biology, 2021, 220, .	2.3	23
2364	Sensing and Responding of Cardiomyocytes to Changes of Tissue Stiffness in the Diseased Heart. Frontiers in Cell and Developmental Biology, 2021, 9, 642840.	1.8	39
2366	FACEts of mechanical regulation in the morphogenesis of craniofacial structures. International Journal of Oral Science, 2021, 13, 4.	3.6	10

#	Article	IF	Citations
2367	The molecular conformation of silk fibroin regulates osteogenic cell behavior by modulating the stability of the adsorbed protein-material interface. Bone Research, 2021, 9, 13.	5.4	17
2368	Differentiated glioblastoma cells accelerate tumor progression by shaping the tumor microenvironment via CCN1-mediated macrophage infiltration. Acta Neuropathologica Communications, 2021, 9, 29.	2.4	27
2369	Tribbles Pseudokinase 2 (TRIB2) Regulates Expression of Binding Partners in Bovine Granulosa Cells. International Journal of Molecular Sciences, 2021, 22, 1533.	1.8	3
2371	On Valve Interstitial Cell Signaling: The Link Between Multiscale Mechanics and Mechanobiology. Cardiovascular Engineering and Technology, 2021, 12, 15-27.	0.7	7
2372	New insights into the organization and regulation of the apical polarity network in mammalian epithelial cells. FEBS Journal, 2021, 288, 7073-7095.	2.2	36
2373	Cytoglobin promotes sensitivity to ferroptosis by regulating p53â€YAP1 axis in colon cancer cells. Journal of Cellular and Molecular Medicine, 2021, 25, 3300-3311.	1.6	46
2374	â€œBiomechanical Signaling in Oocytes and Parthenogenetic Cellsâ€• Frontiers in Cell and Developmental Biology, 2021, 9, 646945.	1.8	8
2375	Extracellular Matrix Stiffness: New Areas Affecting Cell Metabolism. Frontiers in Oncology, 2021, 11, 631991.	1.3	56
2376	IQGAP1 Is a Scaffold of the Core Proteins of the Hippo Pathway and Negatively Regulates the Pro-Apoptotic Signal Mediated by This Pathway. Cells, 2021, 10, 478.	1.8	14
2377	The migration of metastatic breast cancer cells is regulated by matrix stiffness via YAP signalling. Heliyon, 2021, 7, e06252.	1.4	13
2378	Mechanotransduction of liver sinusoidal endothelial cells under varied mechanical stimuli. Acta Mechanica Sinica/Lixue Xuebao, 2021, 37, 201-217.	1.5	9
2379	Mechanobiological Principles Influence the Immune Response in Regeneration: Implications for Bone Healing. Frontiers in Bioengineering and Biotechnology, 2021, 9, 614508.	2.0	13
2380	Comprehensive and Sequential Gene Expression Analysis of Bone Healing Process Following Er:YAG Laser Ablation. Photobiomodulation, Photomedicine, and Laser Surgery, 2021, 39, 100-112.	0.7	8
2381	Endothelial YAP/TAZ Signaling in Angiogenesis and Tumor Vasculature. Frontiers in Oncology, 2020, 10, 612802.	1.3	31
2382	Modulating the Electrical and Mechanical Microenvironment to Guide Neuronal Stem Cell Differentiation. Advanced Science, 2021, 8, 2002112.	5.6	26
2383	You Talking to Me? Cadherin and Integrin Crosstalk in Biomaterial Design. Advanced Healthcare Materials, 2021, 10, e2002048.	3.9	28
2385	Oxygen regulates epithelial stem cell proliferation via RhoA-actomyosin-YAP/TAZ signal in mouse incisor. Development (Cambridge), 2021, 148, .	1.2	10
2387	Mechanobiology of Autophagy: The Unexplored Side of Cancer. Frontiers in Oncology, 2021, 11, 632956.	1.3	26

#	Article	IF	Citations
2388	Nuclear Mechanotransduction in Skeletal Muscle. Cells, 2021, 10, 318.	1.8	14
2389	The Role and Activation Mechanism of TAZ in Hierarchical Microgroove/Nanopore Topography-Mediated Regulation of Stem Cell Differentiation. International Journal of Nanomedicine, 2021, Volume 16, 1021-1036.	3.3	11
2391	Heat shock induces the nuclear accumulation of YAP1 via SRC. Experimental Cell Research, 2021, 399, 112439.	1.2	2
2392	Investigating the nature of active forces in tissues reveals how contractile cells can form extensile monolayers. Nature Materials, 2021, 20, 1156-1166.	13.3	69
2393	Stiffness increases with myofibroblast content and collagen density in mesenchymal high grade serous ovarian cancer. Scientific Reports, 2021, 11, 4219.	1.6	37
2394	Yap1 Mediates Trametinib Resistance in Head and Neck Squamous Cell Carcinomas. Clinical Cancer Research, 2021, 27, 2326-2339.	3.2	16
2395	Gravity sensing in plant and animal cells. Npj Microgravity, 2021, 7, 2.	1.9	32
2396	Remote Control of Timeâ€Regulated Stretching of Ligandâ€Presenting Nanocoils In Situ Regulates the Cyclic Adhesion and Differentiation of Stem Cells. Advanced Materials, 2021, 33, e2008353.	11.1	31
2397	Biomaterial Properties Modulating Bone Regeneration. Macromolecular Bioscience, 2021, 21, e2000365.	2.1	39
2399	Multivalent Polyanionic 2D Nanosheets Functionalized Nanofibrous Stem Cellâ€based Neural Scaffolds. Advanced Functional Materials, 2021, 31, 2010145.	7.8	11
2400	Kindlin3 regulates biophysical properties and mechanics of membrane to cortex attachment. Cellular and Molecular Life Sciences, 2021, 78, 4003-4018.	2.4	5
2401	Mechanotransduction-Targeting Drugs Attenuate Stiffness-Induced Hepatic Stellate Cell Activation <i>in Vitro</i>. Biological and Pharmaceutical Bulletin, 2021, 44, 416-421.	0.6	5
2402	A mechanogenetic role for the actomyosin complex in branching morphogenesis of epithelial organs. Development (Cambridge), 2021, 148, .	1.2	9
2403	Injury-mediated stiffening persistently activates muscle stem cells through YAP and TAZ mechanotransduction. Science Advances, 2021, 7, .	4.7	63
2404	The Role of Pro-fibrotic Myofibroblasts in Systemic Sclerosis: From Origin to Therapeutic Targeting. Current Molecular Medicine, 2022, 22, 209-239.	0.6	14
2406	Silk Film Stiffness Modulates Corneal Epithelial Cell Mechanosignaling. Macromolecular Chemistry and Physics, 2021, 222, 2100013.	1.1	3
2407	Heparin-Mimicking Polymer-Based In Vitro Platform Recapitulates In Vivo Muscle Atrophy Phenotypes. International Journal of Molecular Sciences, 2021, 22, 2488.	1.8	5
2408	Î±-Catenin levels determine direction of YAP/TAZ response to autophagy perturbation. Nature Communications, 2021, 12, 1703.	5.8	17

#	Article	IF	Citations
2409	Stabilization of Damaged Articular Cartilage with Hydrogelâ€Mediated Reinforcement and Sealing. Advanced Healthcare Materials, 2021, 10, 2100315.	3.9	17
2410	Critical role of the BAF chromatin remodeling complex during murine neural crest development. PLoS Genetics, 2021, 17, e1009446.	1.5	17
2411	Probing mechanotransduction in living cells by optical tweezers and FRET-based molecular force microscopy. European Physical Journal Plus, 2021, 136, 1.	1.2	5
2412	The molecular view of mechanical stress of brain cells, local translation, and neurodegenerative diseases. Vavilovskii Zhurnal Genetiki I Selektsii, 2021, 25, 92-100.	0.4	0
2413	Recent Advances in Regenerative Tissue Fabrication: Tools, Materials, and Microenvironment in Hierarchical Aspects. Advanced NanoBiomed Research, 2021, 1, 2000088.	1.7	9
2414	Localized EMT reprograms glial progenitors to promote spinal cord repair. Developmental Cell, 2021, 56, 613-626.e7.	3.1	40
2415	Cell morphology and mechanosensing can be decoupled in fibrous microenvironments and identified using artificial neural networks. Scientific Reports, 2021, 11, 5950.	1.6	13
2416	Matrix stiffness primes lymphatic tube formation directed by vascular endothelial growth factorâ€. FASEB Journal, 2021, 35, e21498.	0.2	28
2417	Designing Elastic Modulus of Cell Culture Substrate to Regulate YAP and RUNX2 Localization for Controlling Differentiation of Human Mesenchymal Stem Cells. Analytical Sciences, 2021, 37, 447-451.	0.8	7
2418	Cyst formation in proximal renal tubules caused by dysfunction of the microtubule minus-end regulator CAMSAP3. Scientific Reports, 2021, 11, 5857.	1.6	7
2420	Three-dimensionally two-photon lithography realized vascular grafts. Biomedical Materials (Bristol), 2021, 16, 035013.	1.7	21
2421	High-Throughput Methods in the Discovery and Study of Biomaterials and Materiobiology. Chemical Reviews, 2021, 121, 4561-4677.	23.0	89
2422	Spatio-selective activation of nuclear translocation of YAP with light directs invasion of cancer cell spheroids. IScience, 2021, 24, 102185.	1.9	10
2424	Macrophageâ€“stroma interactions in fibrosis: biochemical, biophysical, and cellular perspectives. Journal of Pathology, 2021, 254, 344-357.	2.1	32
2425	Role of the HIPPO pathway as potential key player in the cross talk between oncology and cardiology. Critical Reviews in Oncology/Hematology, 2021, 159, 103246.	2.0	3
2426	WWTR1(TAZ)-CAMTA1 gene fusion is sufficient to dysregulate YAP/TAZ signaling and drive epithelioid hemangioendothelioma tumorigenesis. Genes and Development, 2021, 35, 512-527.	2.7	40
2428	Small extracellular vesicles with LncRNA H19 â€œoverloadâ€• YAP Regulation as a Tendon Repair Therapeutic Tactic. IScience, 2021, 24, 102200.	1.9	8
2430	Stimuli-responsive biomaterials for cardiac tissue engineering and dynamic mechanobiology. APL Bioengineering, 2021, 5, 011506.	3.3	20

#	Article	IF	Citations
2431	The origin and mechanisms of smooth muscle cell development in vertebrates. Development (Cambridge), 2021, 148, .	1.2	23
2432	Essential roles of the dystrophin-glycoprotein complex in different cardiac pathologies. Advances in Medical Sciences, 2021, 66, 52-71.	0.9	11
2433	Minimalist Tissue Engineering Approaches Using Low Materialâ€Based Bioengineered Systems. Advanced Healthcare Materials, 2021, 10, e2002110.	3.9	16
2434	The essential role of TAZ in normal tissue homeostasis. Archives of Pharmacal Research, 2021, 44, 253-262.	2.7	12
2436	Regulation of endoplasmic reticulum stress and trophectoderm lineage specification by the mevalonate pathway in the mouse preimplantation embryo. Molecular Human Reproduction, 2021, 27, .	1.3	4
2437	Sustained delivery of growth factors and alendronate using partially demineralized dentin matrix for endogenous periodontal regeneration. Applied Materials Today, 2021, 22, 100922.	2.3	3
2438	Cell biology: Centrosomes in inner space. Current Biology, 2021, 31, R301-R303.	1.8	0
2439	Microtissue Geometry and Cellâ€Generated Forces Drive Patterning of Liver Progenitor Cell Differentiation in 3D. Advanced Healthcare Materials, 2021, 10, e2100223.	3.9	11
2440	Mechanistic Insight into Orthodontic Tooth Movement Based on Animal Studies: A Critical Review. Journal of Clinical Medicine, 2021, 10, 1733.	1.0	25
2441	Micro/nano materials regulate cell morphology and intercellular communication by extracellular vesicles. Acta Biomaterialia, 2021, 124, 130-138.	4.1	8
2442	Reconstruction of Muscle Fascicleâ€Like Tissues by Anisotropic 3D Patterning. Advanced Functional Materials, 2021, 31, 2006227.	7.8	21
2443	Alveolar stem cells in lung development and regrowth. , 2021, , 17-30.		3
2444	Reciprocal regulation of cellular mechanics and metabolism. Nature Metabolism, 2021, 3, 456-468.	5.1	40
2445	Controlled Aggregation Enhances Immunomodulatory Potential of Mesenchymal Stromal Cell Aggregates. Stem Cells Translational Medicine, 2021, 10, 1184-1201.	1.6	16
2446	Microconvex Dot-Featured Silk Fibroin Films for Promoting Human Umbilical Vein Endothelial Cell Angiogenesis via Enhancing the Expression of bFGF and VEGF. ACS Biomaterials Science and Engineering, 2021, 7, 2420-2429.	2.6	7
2447	Mechanosensitive Regulation of Fibrosis. Cells, 2021, 10, 994.	1.8	23
2448	Cytoskeletal control of early mammalian development. Nature Reviews Molecular Cell Biology, 2021, 22, 548-562.	16.1	36
2449	Protective Effects of Extracellular Matrix-Derived Hydrogels in Idiopathic Pulmonary Fibrosis. Tissue Engineering - Part B: Reviews, 2022, 28, 517-530.	2.5	5

#	Article	IF	Citations
2450	Reverse Plasticity Underlies Rapid Evolution by Clonal Selection within Populations of Fibroblasts Propagated on a Novel Soft Substrate. Molecular Biology and Evolution, 2021, 38, 3279-3293.	3.5	2
2452	Notch1 Deficiency Induces Tumor Cell Accumulation Inside the Bronchiolar Lumen and Increases TAZ Expression in an Autochthonous KrasLSL-G12V Driven Lung Cancer Mouse Model. Pathology and Oncology Research, 2021, 27, 596522.	0.9	1
2453	Substrate Stiffness and Stretch Regulate Profibrotic Mechanosignaling in Pulmonary Arterial Adventitial Fibroblasts. Cells, 2021, 10, 1000.	1.8	20
2454	Mechanical homeostasis of liver sinusoid is involved in the initiation and termination of liver regeneration. Communications Biology, 2021, 4, 409.	2.0	21
2455	Bone-to-Brain: A Round Trip in the Adaptation to Mechanical Stimuli. Frontiers in Physiology, 2021, 12, 623893.	1.3	40
2456	Roles and mechanisms of YAP/TAZ in orthodontic tooth movement. Journal of Cellular Physiology, 2021, 236, 7792-7800.	2.0	8
2457	Influence of Culture Substrates on Morphology and Function of Pulmonary Alveolar Cells In Vitro. Biomolecules, 2021, 11, 675.	1.8	3
2458	YAP expression in endothelial cells prevents ventilator-induced lung injury. American Journal of Physiology - Lung Cellular and Molecular Physiology, 2021, 320, L568-L582.	1.3	7
2459	Geranylgeranyl pyrophosphate-mediated protein geranylgeranylation regulates endothelial cell proliferation and apoptosis during vasculogenesis in mouse embryo. Journal of Genetics and Genomics, 2021, 48, 300-311.	1.7	5
2460	Geometrically defined environments direct cell division rate and subcellular YAP localization in single mouse embryonic stem cells. Scientific Reports, 2021, 11, 9269.	1.6	11
2461	Dynamic Tuning of Viscoelastic Hydrogels with Carbonyl Iron Microparticles Reveals the Rapid Response of Cells to Three-Dimensional Substrate Mechanics. ACS Applied Materials & Interfaces, 2021, 13, 20947-20959.	4.0	15
2463	Silk Film Stiffness Modulates Corneal Epithelial Cell Mechanosignaling. Macromolecular Chemistry and Physics, 2021, 222, 2170013.	1.1	4
2464	Imaging methods in mechanosensing: a historical perspective and visions for the future. Molecular Biology of the Cell, 2021, 32, 842-854.	0.9	8
2465	Age-related elevation of HGF is driven by the reduction of fibroblast size in a YAP/TAZ/CCN2 axis-dependent manner. Journal of Dermatological Science, 2021, 102, 36-46.	1.0	7
2466	Matrix stiffness changes affect astrocyte phenotype in an in vitro injury model. NPG Asia Materials, 2021, 13, .	3.8	32
2467	RhoA: a dubious molecule in cardiac pathophysiology. Journal of Biomedical Science, 2021, 28, 33.	2.6	25
2468	TAZ-CAMTA1 and YAP-TFE3 alter the TAZ/YAP transcriptome by recruiting the ATAC histone acetyltransferase complex. ELife, 2021, 10, .	2.8	27
2469	The varied influences of cell adhesion and spreading on gene transfection of mesenchymal stem cells on a micropatterned substrate. Acta Biomaterialia, 2021, 125, 100-111.	4.1	26

#	Article	IF	Citations
2471	Mechanosensitive smooth muscle cell phenotypic plasticity emerging from a null state and the balance between Rac and Rho. Cell Reports, 2021, 35, 109019.	2.9	18
2472	The hippo pathway: A master regulator of liver metabolism, regeneration, and disease. FASEB Journal, 2021, 35, e21570.	0.2	30
2473	An overview of bio-actuation in collagen hydrogels: a mechanobiological phenomenon. Biophysical Reviews, 2021, 13, 387-403.	1.5	5
2474	Wnt and Src signals converge on YAPâ€TEAD to drive intestinal regeneration. EMBO Journal, 2021, 40, e105770.	3.5	49
2475	A biomechanical switch regulates the transition towards homeostasis in oesophageal epithelium. Nature Cell Biology, 2021, 23, 511-525.	4.6	29
2476	A spatial model of YAP/TAZ signaling reveals how stiffness, dimensionality, and shape contribute to emergent outcomes. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, .	3.3	67
2477	Cytoskeletal prestress: The cellular hallmark in mechanobiology and mechanomedicine. Cytoskeleton, 2021, 78, 249-276.	1.0	28
2479	Recent Advances in Regenerative Tissue Fabrication: Tools, Materials, and Microenvironment in Hierarchical Aspects. Advanced NanoBiomed Research, 2021, 1, 2170053.	1.7	4
2480	Physical confinement during cancer cell migration triggers therapeutic resistance and cancer stem cell-like behavior. Cancer Letters, 2021, 506, 142-151.	3.2	9
2481	Designing Hydrogels for 3D Cell Culture Using Dynamic Covalent Crosslinking. Advanced Healthcare Materials, 2021, 10, e2100234.	3.9	84
2482	The effects of locomotion on bone marrow mesenchymal stem cell fate: insight into mechanical regulation and bone formation. Cell and Bioscience, 2021, 11, 88.	2.1	22
2483	Bursa-Derived Cells Show a Distinct Mechano-Response to Physiological and Pathological Loading in vitro. Frontiers in Cell and Developmental Biology, 2021, 9, 657166.	1.8	3
2484	Role of the polycystins as mechanosensors of extracellular stiffness. American Journal of Physiology - Renal Physiology, 2021, 320, F693-F705.	1.3	14
2485	Delineating the heterogeneity of matrix-directed differentiation toward soft and stiff tissue lineages via single-cell profiling. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, .	3.3	22
2486	Culturing Keratinocytes on Biomimetic Substrates Facilitates Improved Epidermal Assembly In Vitro. Cells, 2021, 10, 1177.	1.8	8
2487	Agrin expression is correlated with tumor development and poor prognosis in cholangiocarcinoma. Journal of International Medical Research, 2021, 49, 030006052110097.	0.4	2
2488	Adhesion-growth factor crosstalk regulates AURKB activation and ERK signalling in re-adherent fibroblasts. Journal of Biosciences, 2021, 46, 1.	0.5	1
2490	Matrix stiffening induces a pathogenic QKI-miR-7-SRSF1 signaling axis in pulmonary arterial endothelial cells. American Journal of Physiology - Lung Cellular and Molecular Physiology, 2021, 320, L726-L738.	1.3	13

#	Article	IF	Citations
2491	Mechanoregulation of YAP and TAZ in Cellular Homeostasis and Disease Progression. Frontiers in Cell and Developmental Biology, 2021, 9, 673599.	1.8	108
2492	Mesenchymal stem cells: a brief review of classis concepts and new factors of osteogenic differentiation. Medical Immunology (Russia), 2021, 23, 207-222.	0.1	1
2493	Matrix Stiffness Induces Pericyte-Fibroblast Transition Through YAP Activation. Frontiers in Pharmacology, 2021, 12, 698275.	1.6	15
2495	Cell stretchers and the LINC complex in mechanotransduction. Archives of Biochemistry and Biophysics, 2021, 702, 108829.	1.4	21
2496	Multiwell Combinatorial Hydrogel Array for High-Throughput Analysis of Cellâ€“ECM Interactions. ACS Biomaterials Science and Engineering, 2021, 7, 2453-2465.	2.6	6
2497	The role of metabolism in directed differentiation versus trans-differentiation of cardiomyocytes. Seminars in Cell and Developmental Biology, 2022, 122, 56-65.	2.3	7
2498	A 3D, Magnetically Actuated, Aligned Collagen Fiber Hydrogel Platform Recapitulates Physical Microenvironment of Myoblasts for Enhancing Myogenesis. Small Methods, 2021, 5, e2100276.	4.6	24
2499	Modification of COL1A1 in Autologous Adipose Tissue-Derived Progenitor Cells Rescues the Bone Phenotype in a Mouse Model of Osteogenesis Imperfecta. Journal of Bone and Mineral Research, 2020, 36, 1521-1534.	3.1	9
2500	Cell Shape and Matrix Stiffness Impact Schwann Cell Plasticity via YAP/TAZ and Rho GTPases. International Journal of Molecular Sciences, 2021, 22, 4821.	1.8	19
2501	Regulation and mechanism of YAP/TAZ in theÂmechanical microenvironment of stem cells (Review). Molecular Medicine Reports, 2021, 24, .	1.1	16
2502	Improvements in stem cell to beta-cell differentiation for the treatment of diabetes. Journal of Immunology and Regenerative Medicine, 2021, 12, 100043.	0.2	2
2503	Decreased YAP activity reduces proliferative ability in human induced pluripotent stem cell of duchenne muscular dystrophy derived cardiomyocytes. Scientific Reports, 2021, 11, 10351.	1.6	7
2504	Protein Phosphatase 2A Mediates YAP Activation in Endothelial Cells Upon VEGF Stimulation and Matrix Stiffness. Frontiers in Cell and Developmental Biology, 2021, 9, 675562.	1.8	15
2505	High Glucose Activates YAP Signaling to Promote Vascular Inflammation. Frontiers in Physiology, 2021, 12, 665994.	1.3	14
2506	Decreased Substrate Stiffness Promotes a Hypofibrotic Phenotype in Cardiac Fibroblasts. International Journal of Molecular Sciences, 2021, 22, 6231.	1.8	8
2507	The Hippo Pathway: A Master Regulatory Network Important in Cancer. Cells, 2021, 10, 1416.	1.8	15
2508	TLR4 signalling via Piezo1 engages and enhances the macrophage mediated host response during bacterial infection. Nature Communications, 2021, 12, 3519.	5.8	89
2509	MITF Promotes Cell Growth, Migration and Invasion in Clear Cell Renal Cell Carcinoma by Activating the RhoA/YAP Signal Pathway. Cancers, 2021, 13, 2920.	1.7	10

#	Article	IF	Citations
2510	Signaling pathways in cancer-associated fibroblasts and targeted therapy for cancer. Signal Transduction and Targeted Therapy, 2021, 6, 218.	7.1	242
2511	Mechanotransduction assays for neural regeneration strategies: A focus on glial cells. APL Bioengineering, 2021, 5, 021505.	3.3	16
2512	Human mammary epithelial cells in a mature, stratified epithelial layer flatten and stiffen compared to single and confluent cells. Biochimica Et Biophysica Acta - General Subjects, 2021, 1865, 129891.	1.1	5
2513	Fascin1 empowers YAP mechanotransduction and promotes cholangiocarcinoma development. Communications Biology, 2021, 4, 763.	2.0	6
2514	Protein Hydrogels: The Swiss Army Knife for Enhanced Mechanical and Bioactive Properties of Biomaterials. Nanomaterials, 2021, 11, 1656.	1.9	27
2516	Mechanoâ€regulation of vascular network formation without branches in 3D bioprinted cellâ€laden hydrogel constructs. Biotechnology and Bioengineering, 2021, 118, 3787-3798.	1.7	11
2517	A novel role of Hippo-Yap/TAZ signaling pathway in lymphatic vascular development. BMB Reports, 2021, 54, 285-294.	1.1	6
2518	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
2519	Sexâ€Specific Response to Combinations of Shear Stress and Substrate Stiffness by Endothelial Cells In Vitro. Advanced Healthcare Materials, 2021, 10, e2100735.	3.9	12
2520	G proteinâ€coupled receptors can control the Hippo/YAP pathway through Gq signaling. FASEB Journal, 2021, 35, e21668.	0.2	14
2521	Recent Trends in Multipotent Human Mesenchymal Stem/Stromal Cells: Learning from History and Advancing Clinical Applications. OMICS A Journal of Integrative Biology, 2021, 25, 342-357.	1.0	12
2522	A free-form patterning method enabling endothelialization under dynamic flow. Biomaterials, 2021, 273, 120816.	5.7	12
2523	Relationship between Stemness, Reactive Oxygen Species, and Epithelial-to-Mesenchymal Transition in Model Circulating Tumor Cells. Cells Tissues Organs, 2022, 211, 282-293.	1.3	3
2524	An Updated Understanding of the Role of YAP in Driving Oncogenic Responses. Cancers, 2021, 13, 3100.	1.7	15
2526	Biomechanical and biological responses of periodontium in orthodontic tooth movement: up-date in a new decade. International Journal of Oral Science, 2021, 13, 20.	3.6	84
2527	Poly(lactideâ€coâ€µâ€caprolactone) scaffold promotes equivalent tissue integration and supports skin grafts compared to a predicate collagen scaffold. Wound Repair and Regeneration, 2021, 29, 1035-1050.	1.5	11
2528	Extracellular Matrix Stiffness Regulates DNA Methylation by PKC Î± â€Dependent Nuclear Transport of DNMT3L. Advanced Healthcare Materials, 2021, 10, 2100821.	3.9	11
2529	Porosity parameters in biomaterial science: Definition, impact, and challenges in tissue engineering. Frontiers of Materials Science, 2021, 15, 352-373.	1.1	23

#	Article	IF	Citations
2530	Calcium, an Emerging Intracellular Messenger for the Hippo Pathway Regulation. Frontiers in Cell and Developmental Biology, 2021, 9, 694828.	1.8	9
2531	The Effect of Fluid Flow Shear Stress and Substrate Stiffness on Yes-Associated Protein (YAP) Activity and Osteogenesis in Murine Osteosarcoma Cells. Cancers, 2021, 13, 3128.	1.7	6
2532	Polyblend Nanofibers to Regenerate Gingival Tissue: A Preliminary In Vitro Study. Frontiers in Materials, 2021, 8, .	1.2	4
2533	Loss of Yap/Taz in cardiac fibroblasts attenuates adverse remodelling and improves cardiac function. Cardiovascular Research, 2022, 118, 1785-1804.	1.8	62
2534	Comprehensive understanding of anchorage-independent survival and its implication in cancer metastasis. Cell Death and Disease, 2021, 12, 629.	2.7	24
2535	Mechanical Regulation of Transcription: Recent Advances. Trends in Cell Biology, 2021, 31, 457-472.	3.6	75
2536	In vivo reprogramming as a new approach to cardiac regenerative therapy. Seminars in Cell and Developmental Biology, 2022, 122, 21-27.	2.3	12
2537	Extracellular matrix stiffness controls VEGF165 secretion and neuroblastoma angiogenesis via the YAP/RUNX2/SRSF1 axis. Angiogenesis, 2022, 25, 71-86.	3.7	25
2538	Forced into shape: Mechanical forces in Drosophila development and homeostasis. Seminars in Cell and Developmental Biology, 2021, 120, 160-170.	2.3	5
2539	FOXO3 Mediates Tooth Movement by Regulating Force-Induced Osteogenesis. Journal of Dental Research, 2022, 101, 196-205.	2.5	14
2541	Myofibroblast fate plasticity in tissue repair and fibrosis: Deactivation, apoptosis, senescence and reprogramming. Wound Repair and Regeneration, 2021, 29, 678-691.	1.5	20
2542	Epidermal stem cells maintain stemness via a biomimetic micro/nanofiber scaffold that promotes wound healing by activating the Notch signaling pathway. Stem Cell Research and Therapy, 2021, 12, 341.	2.4	9
2543	Simultaneous Pharmacologic Inhibition of Yesâ€Associated Protein 1 and Glutaminase 1 via Inhaled Poly(Lacticâ€coâ€Glycolic) Acidâ€“Encapsulated Microparticles Improves Pulmonary Hypertension. Journal of the American Heart Association, 2021, 10, e019091.	1.6	16
2545	Biomechanical cues as master regulators of hematopoietic stem cell fate. Cellular and Molecular Life Sciences, 2021, 78, 5881-5902.	2.4	18
2546	Extracellular Vesicle Functionalized Melt Electrowritten Scaffolds for Bone Tissue Engineering. Advanced NanoBiomed Research, 2021, 1, 2100037.	1.7	7
2547	Implant Fibrosis and the Underappreciated Role of Myofibroblasts in the Foreign Body Reaction. Cells, 2021, 10, 1794.	1.8	53
2548	Hydrogels with Tunable Physical Cues and Their Emerging Roles in Studies of Cellular Mechanotransduction. Advanced NanoBiomed Research, 2021, 1, 2100059.	1.7	9
2549	The Short-Chain Fatty Acid Receptor GPR43 Modulates YAP/TAZ via RhoA. Molecules and Cells, 2021, 44, 458-467.	1.0	8

#	Article	IF	Citations
2550	Biological Significance of YAP/TAZ in Pancreatic Ductal Adenocarcinoma. Frontiers in Oncology, 2021, 11, 700315.	1.3	10
2551	Flexible Osteogenic Glue as an Allâ€inâ€One Solution to Assist Fracture Fixation and Healing. Advanced Functional Materials, 2021, 31, 2102465.	7.8	40
2552	IVEN: A quantitative tool to describe 3D cell position and neighbourhood reveals architectural changes in FGF4-treated preimplantation embryos. PLoS Biology, 2021, 19, e3001345.	2.6	9
2553	Hippo-Yap Pathway Orchestrates Neural Crest Ontogenesis. Frontiers in Cell and Developmental Biology, 2021, 9, 706623.	1.8	11
2554	Biochemical and mechanical signals in the lymphatic vasculature. Cellular and Molecular Life Sciences, 2021, 78, 5903-5923.	2.4	14
2555	Development of LM98, a Smallâ€Molecule TEAD Inhibitor Derived from Flufenamic Acid. ChemMedChem, 2021, 16, 2982-3002.	1.6	10
2556	TAZ inhibits osteoclastogenesis by attenuating TAK1/NF-ÎºB signaling. Bone Research, 2021, 9, 33.	5.4	23
2557	Components and Mechanisms of Nuclear Mechanotransduction. Annual Review of Cell and Developmental Biology, 2021, 37, 233-256.	4.0	26
2558	Translational control of stem cell function. Nature Reviews Molecular Cell Biology, 2021, 22, 671-690.	16.1	69
2559	Signaling network regulating osteogenesis in mesenchymal stem cells. Journal of Cell Communication and Signaling, 2022, 16, 47-61.	1.8	41
2560	The force loading rate drives cell mechanosensing through both reinforcement and cytoskeletal softening. Nature Communications, 2021, 12, 4229.	5.8	48
2561	Towards an understanding of the mechanoreciprocity process in adipocytes and its perturbation with aging. Mechanisms of Ageing and Development, 2021, 197, 111522.	2.2	9
2562	New insights into the Hippo/YAP pathway in idiopathic pulmonary fibrosis. Pharmacological Research, 2021, 169, 105635.	3.1	18
2563	The two sides of Hippo pathway in cancer. Seminars in Cancer Biology, 2022, 85, 33-42.	4.3	34
2565	TPE based aggregation induced emission fluorescent sensors for viscosity of liquid and mechanical properties of hydrogel. Chinese Chemical Letters, 2022, 33, 252-256.	4.8	16
2566	Avoiding tensional equilibrium in cells migrating on a matrix with cell-scale stiffness-heterogeneity. Biomaterials, 2021, 274, 120860.	5.7	7
2567	Increased expression of yes-associated protein/YAP and transcriptional coactivator with PDZ-binding motif/TAZ activates intestinal fibroblasts to promote intestinal obstruction in Crohn's disease. EBioMedicine, 2021, 69, 103452.	2.7	20
2568	RAB11A-mediated YAP localization to adherens and tight junctions is essential for colonic epithelial integrity. Journal of Biological Chemistry, 2021, 297, 100848.	1.6	11

#	Article	IF	Citations
2569	YAP1 and its fusion proteins in cancer initiation, progression and therapeutic resistance. Developmental Biology, 2021, 475, 205-221.	0.9	62
2570	Current status of myocardial restoration via the paracrine function of mesenchymal stromal cells. American Journal of Physiology - Heart and Circulatory Physiology, 2021, 321, H112-H127.	1.5	4
2571	In vitro adipogenesis and long-term adipocyte culture in adipose tissue-derived cell banks. Biofabrication, 2021, 13, 035052.	3.7	3
2573	Synthetic dysmobility screen unveils an integrated STK40-YAP-MAPK system driving cell migration. Science Advances, 2021, 7, .	4.7	4
2574	Spatiotemporal model of cellular mechanotransduction via Rho and YAP. Integrative Biology (United) Tj ETQq0 0 0 rgBT /Overlock 10 Tf	0.6	6
2575	CCM3 is a gatekeeper in focal adhesions regulating mechanotransduction and YAP/TAZ signalling. Nature Cell Biology, 2021, 23, 758-770.	4.6	41
2576	Extracellular matrix and Hippo signaling as therapeutic targets of antifibrotic compounds for uterine fibroids. Clinical and Translational Medicine, 2021, 11, e475.	1.7	27
2577	Uniaxial Cyclic Stretching Promotes Chromatin Accessibility of Gene Loci Associated With Mesenchymal Stem Cells Morphogenesis and Osteogenesis. Frontiers in Cell and Developmental Biology, 2021, 9, 664545.	1.8	9
2578	Bio-functional strontium-containing photocrosslinked alginate hydrogels for promoting the osteogenic behaviors. Materials Science and Engineering C, 2021, 126, 112130.	3.8	17
2580	Maintaining proteostasis under mechanical stress. EMBO Reports, 2021, 22, e52507.	2.0	28
2581	Age-dependent changes in nuclear-cytoplasmic signaling in skeletal muscle. Experimental Gerontology, 2021, 150, 111338.	1.2	10
2582	An optogenetic method for interrogating YAP1 and TAZ nuclearâ€“cytoplasmic shuttling. Journal of Cell Science, 2021, 134, .	1.2	16
2583	Role of the Hippo pathway and mechanisms for controlling cellular localization of YAP/TAZ. FEBS Journal, 2022, 289, 5798-5818.	2.2	37
2584	Hippo Signaling Pathway as a New Potential Target in Non-Melanoma Skin Cancers: A Narrative Review. Life, 2021, 11, 680.	1.1	3
2585	Singleâ€Component Optogenetic Tools for Inducible RhoA GTPase Signaling. Advanced Biology, 2021, 5, e2100810.	1.4	20
2586	Inhibition of RhoA/MRTF-A signaling alleviates nucleus pulposus fibrosis induced by mechanical stress overload. Connective Tissue Research, 2021, , 1-16.	1.1	7
2587	The Dimeric Form of HPV16 E6 Is Crucial to Drive YAP/TAZ Upregulation through the Targeting of hScrib. Cancers, 2021, 13, 4083.	1.7	7
2588	A dual role of YAP in driving TGFÎ²-mediated endothelial-to-mesenchymal transition. Journal of Cell Science, 2021, 134, .	1.2	14

#	Article	IF	Citations
2589	How Mechanical Forces Change the Human Endometrium during the Menstrual Cycle in Preparation for Embryo Implantation. Cells, 2021, 10, 2008.	1.8	14
2590	Plasma Based Protein Signatures Associated with Small Cell Lung Cancer. Cancers, 2021, 13, 3972.	1.7	2
2591	Strong as a Hippoâ€™s Heart: Biomechanical Hippo Signaling During Zebrafish Cardiac Development. Frontiers in Cell and Developmental Biology, 2021, 9, 731101.	1.8	2
2592	Mechanical programming of arterial smooth muscle cells in health and ageing. Biophysical Reviews, 2021, 13, 757-768.	1.5	6
2593	Engineering the Dynamics of Cell Adhesion Cues in Supramolecular Hydrogels for Facile Control over Cell Encapsulation and Behavior. Advanced Materials, 2021, 33, e2008111.	11.1	52
2594	Interplay Between Notch and YAP/TAZ Pathways in the Regulation of Cell Fate During Embryo Development. Frontiers in Cell and Developmental Biology, 2021, 9, 711531.	1.8	13
2595	Distinct Metalloproteinase Expression and Functions in Systemic Sclerosis and Fibrosis: What We Know and the Potential for Intervention. Frontiers in Physiology, 2021, 12, 727451.	1.3	15
2596	Early resistance trainingâ€mediated stimulation of daily muscle protein synthetic responses to higher habitual protein intake in middleâ€aged adults. Journal of Physiology, 2021, 599, 4287-4307.	1.3	3
2597	Effect of Polymeric Matrix Stiffness on Osteogenic Differentiation of Mesenchymal Stem/Progenitor Cells: Concise Review. Polymers, 2021, 13, 2950.	2.0	21
2598	Exocyst protein subnetworks integrate Hippo and mTOR signaling to promote virus detection and cancer. Cell Reports, 2021, 36, 109491.	2.9	11
2599	Insensitivity of dental pulp stem cells migration to substrate stiffness. Biomaterials, 2021, 275, 120969.	5.7	10
2600	Yes-Associated Protein in Atherosclerosis and Related Complications: A Potential Therapeutic Target That Requires Further Exploration. Frontiers in Cardiovascular Medicine, 2021, 8, 704208.	1.1	9
2601	The Amot/integrin protein complex transmits mechanical forces required for vascular expansion. Cell Reports, 2021, 36, 109616.	2.9	13
2602	Enzymatic cross-linking of collagens in organ fibrosis â€“ resolution and assessment. Expert Review of Molecular Diagnostics, 2021, 21, 1049-1064.	1.5	20
2603	Journey to the Center of the Cell: Cytoplasmic and Nuclear Actin in Immune Cell Functions. Frontiers in Cell and Developmental Biology, 2021, 9, 682294.	1.8	8
2604	Oncostatin M is a novel biomarker for coronary artery disease â€“ A possibility as a screening tool of silent myocardial ischemia for diabetes mellitus. IJC Heart and Vasculature, 2021, 35, 100829.	0.6	8
2605	Surface Epitaxial Nano-Topography Facilitates Biomineralization to Promote Osteogenic Differentiation and Osteogenesis. ACS Omega, 2021, 6, 21792-21800.	1.6	4
2606	Extracellular matrix stiffness controls VEGF165 secretion and neuroblastoma angiogenesis via the YAP/RUNX2/SRSF1 axis. Angiogenesis, 2022, 25, 13-14.	3.7	5

#	Article	IF	Citations
2607	Cellular feedback dynamics and multilevel regulation driven by the hippo pathway. Biochemical Society Transactions, 2021, 49, 1515-1527.	1.6	11
2608	ADAMTS5 in Osteoarthritis: Biological Functions, Regulatory Network, and Potential Targeting Therapies. Frontiers in Molecular Biosciences, 2021, 8, 703110.	1.6	34
2609	Nanoscale Surface Topography Reduces Focal Adhesions and Cell Stiffness by Enhancing Integrin Endocytosis. Nano Letters, 2021, 21, 8518-8526.	4.5	34
2610	The LINC Between Mechanical Forces and Chromatin. Frontiers in Physiology, 2021, 12, 710809.	1.3	17
2611	Hippo signaling effectors YAP and TAZ induce Epstein-Barr Virus (EBV) lytic reactivation through TEADs in epithelial cells. PLoS Pathogens, 2021, 17, e1009783.	2.1	9
2612	Fluid shear stress activates YAP to promote epithelialâ€“mesenchymal transition in hepatocellular carcinoma. Molecular Oncology, 2021, 15, 3164-3183.	2.1	23
2613	Effects of chondrogenic priming duration on mechanoregulation of engineered cartilage. Journal of Biomechanics, 2021, 125, 110580.	0.9	11
2615	LncRNA coordinates Hippo and mTORC1 pathway activation in cancer. Cell Death and Disease, 2021, 12, 822.	2.7	7
2616	Substrate Stiffness Modulates the Growth, Phenotype, and Chemoresistance of Ovarian Cancer Cells. Frontiers in Cell and Developmental Biology, 2021, 9, 718834.	1.8	29
2617	Generation of insulin-producing pancreatic Î² cells from multiple human stem cell lines. Nature Protocols, 2021, 16, 4109-4143.	5.5	72
2618	Skeletal muscle progenitors are sensitive to collagen architectural features of fibril size and cross linking. American Journal of Physiology - Cell Physiology, 2021, 321, C330-C342.	2.1	17
2619	An Optimized O9-1/Hydrogel System for Studying Mechanical Signals in Neural Crest Cells. Journal of Visualized Experiments, 2021, , .	0.2	0
2620	Emerging Principles in the Transcriptional Control by YAP and TAZ. Cancers, 2021, 13, 4242.	1.7	25
2621	Stretch increases alveolar type 1 cell number in fetal lungs through ROCK-Yap/Taz pathway. American Journal of Physiology - Lung Cellular and Molecular Physiology, 2021, 321, L814-L826.	1.3	7
2622	Engineering Musculoskeletal Grafts for Multi-Tissue Unit Repair: Lessons From Developmental Biology and Wound Healing. Frontiers in Physiology, 2021, 12, 691954.	1.3	7
2623	Advancing models of neural development with biomaterials. Nature Reviews Neuroscience, 2021, 22, 593-615.	4.9	60
2624	Neuromechanobiology: An Expanding Field Driven by the Force of Greater Focus. Advanced Healthcare Materials, 2021, 10, e2100102.	3.9	14
2625	Itpr1 regulates the formation of anterior eye segment tissues derived from neural crest cells. Development (Cambridge), 2021, 148, .	1.2	9

#	Article	IF	Citations
2627	ILK regulates osteogenic differentiation of Human Periodontal Ligament Stem Cells through YAPâ€mediated Mechanical Memory. Oral Diseases, 2023, 29, 274-284.	1.5	2
2628	A 3Dâ€Bioprinted Vascularized Glioblastomaâ€onâ€aâ€Chip for Studying the Impact of Simulated Microgravity as a Novel Preâ€Clinical Approach in Brain Tumor Therapy. Advanced Therapeutics, 2021, 4, 2100106.	1.6	20
2629	Tight Junction ZO Proteins Maintain Tissue Fluidity, Ensuring Efficient Collective Cell Migration. Advanced Science, 2021, 8, e2100478.	5.6	14
2630	Inner ear organoids: progress and outlook, with a focus on the vascularization. FEBS Journal, 2022, 289, 7368-7384.	2.2	4
2631	AMOTL2 mono-ubiquitination by WWP1 promotes contact inhibition by facilitating LATS activation. Life Science Alliance, 2021, 4, e202000953.	1.3	1
2632	Modeling stem cell nucleus mechanics using confocal microscopy. Biomechanics and Modeling in Mechanobiology, 2021, 20, 2361-2372.	1.4	1
2633	Endothelial connexin-integrin crosstalk in vascular inflammation. Biochimica Et Biophysica Acta - Molecular Basis of Disease, 2021, 1867, 166168.	1.8	6
2634	The hippo pathway orchestrates cytoskeletal organisation during intervertebral disc degeneration. Acta Histochemica, 2021, 123, 151770.	0.9	11
2635	Disrupting biological sensors of force promotes tissue regeneration in large organisms. Nature Communications, 2021, 12, 5256.	5.8	43
2636	Malignant fibrous histiocytoma of the bone in a traumatic amputation stump: A case report and review of the literature. World Journal of Clinical Cases, 2021, 9, 7930-7936.	0.3	0
2637	Using Stereochemistry to Control Mechanical Properties in Thiolâ€“Yne Clickâ€Hydrogels. Angewandte Chemie, 2021, 133, 26060-26068.	1.6	0
2638	Analysis of Nanotoxicity with Integrated Omics and Mechanobiology. Nanomaterials, 2021, 11, 2385.	1.9	24
2640	Hippo/yes-associated protein signaling functions as a mechanotransducer in regulating vascular homeostasis. Journal of Molecular and Cellular Cardiology, 2022, 162, 158-165.	0.9	8
2641	Advanced Technologies to Target Cardiac Cell Fate Plasticity for Heart Regeneration. International Journal of Molecular Sciences, 2021, 22, 9517.	1.8	8
2642	Î²â€Catenin Limits Osteogenesis on Regenerative Materials in a Stiffnessâ€Dependent Manner. Advanced Healthcare Materials, 2021, 10, e2101467.	3.9	11
2643	The Mesangial cell â€” the glomerular stromal cell. Nature Reviews Nephrology, 2021, 17, 855-864.	4.1	50
2644	Striated muscle proteins are regulated both by mechanical deformation and by chemical post-translational modification. Biophysical Reviews, 2021, 13, 679-695.	1.5	10
2645	Protocol for photoactivation of YAP in cancer cell spheroids embedded in collagen gels. STAR Protocols, 2021, 2, 100657.	0.5	0

#	Article	IF	Citations
2646	Cyclic pulsation stress promotes bone formation of tissue engineered laminae through the F-actin/YAP-1/Î²-Catenin signaling axis. Npj Regenerative Medicine, 2021, 6, 51.	2.5	8
2647	Mechanobiological conceptual framework for assessing stem cell bioprocess effectiveness. Biotechnology and Bioengineering, 2021, 118, 4537-4549.	1.7	3
2648	Stem/Proliferative and Differentiated Cells within Primary Murine Colonic Epithelium Display Distinct Intracellular Free Ca²⁺ Signal Codes. Advanced Healthcare Materials, 2021, 10, e2101318.	3.9	2
2649	Matrix stiffness mechanosensing modulates the expression and distribution of transcription factors in Schwann cells. Bioengineering and Translational Medicine, 2022, 7, e10257.	3.9	18
2650	Adaptive mechanoproperties mediated by the formin FMN1 characterize glioblastoma fitness for invasion. Developmental Cell, 2021, 56, 2841-2855.e8.	3.1	12
2651	Sutural fibroblasts exhibit the function of vascular endothelial cells upon mechanical strain. Archives of Biochemistry and Biophysics, 2021, 712, 109046.	1.4	5
2652	The spatial form periosteal-bone complex promotes bone regeneration by coordinating macrophage polarization and osteogenic-angiogenic events. Materials Today Bio, 2021, 12, 100142.	2.6	13
2653	The Extracellular Matrix in Pancreatic Cancer: Description of a Complex Network and Promising Therapeutic Options. Cancers, 2021, 13, 4442.	1.7	37
2654	Recapitulating the Cancer Microenvironment Using Bioprinting Technology for Precision Medicine. Micromachines, 2021, 12, 1122.	1.4	7
2655	Editorial: Understanding molecular interactions that underpin vascular mechanobiology. APL Bioengineering, 2021, 5, 030401.	3.3	3
2656	Links between autophagy and tissue mechanics. Journal of Cell Science, 2021, 134, .	1.2	8
2657	Soft apoptotic-cell-inspired nanoparticles persistently bind to macrophage membranes and promote anti-inflammatory and pro-healing effects. Acta Biomaterialia, 2021, 131, 452-463.	4.1	17
2659	A Loss of Nuclearâ€"Cytoskeletal Interactions in Vascular Smooth Muscle Cell Differentiation Induced by a Micro-Grooved Collagen Substrate Enabling the Modeling of an In Vivo Cell Arrangement. Bioengineering, 2021, 8, 124.	1.6	3
2661	Does the Heart Want What It Wants? A Case for Self-Adapting, Mechano-Sensitive Therapies After Infarction. Frontiers in Cardiovascular Medicine, 2021, 8, 705100.	1.1	3
2662	Viral Manipulation of a Mechanoresponsive Signaling Axis Disassembles Processing Bodies. Molecular and Cellular Biology, 2021, 41, e0039921.	1.1	6
2663	3D Confinement Regulates Cell Life and Death. Advanced Functional Materials, 2021, 31, 2104098.	7.8	28
2664	YAP establishes epiblast responsiveness to inductive signals for germ cell fate. Development (Cambridge), 2021, 148, .	1.2	10
2665	Keloid fibroblasts have elevated and dysfunctional mechanotransduction signaling that is independent of TGF-Î². Journal of Dermatological Science, 2021, 104, 11-20.	1.0	12

#	Article	IF	Citations
2666	Signal Transduction and Molecular Regulation in Fatty Liver Disease. Antioxidants and Redox Signaling, 2021, 35, 689-717.	2.5	7
2668	RASSF1C oncogene elicits amoeboid invasion, cancer stemness, and extracellular vesicle release via a SRC/Rho axis. EMBO Journal, 2021, 40, e107680.	3.5	12
2669	Crosstalk between Macrophages and Mesenchymal Stem Cells Regulated by Biomaterials and Its Role in Bone Regeneration. Advances in Materials Science and Engineering, 2021, 2021, 1-21.	1.0	2
2670	Natural Membrane Differentiates Human Adipose-Derived Mesenchymal Stem Cells to Neurospheres by Mechanotransduction Related to YAP and AMOT Proteins. Membranes, 2021, 11, 687.	1.4	7
2671	A New Player in Neuroblastoma: YAP and Its Role in the Neuroblastoma Microenvironment. Cancers, 2021, 13, 4650.	1.7	5
2672	Integrin-based mechanosensing through conformational deformation. Biophysical Journal, 2021, 120, 4349-4359.	0.2	10
2673	Exploring the influence of cytosolic and membrane FAK activation on YAP/TAZ nuclear translocation. Biophysical Journal, 2021, 120, 4360-4377.	0.2	4
2674	Reciprocal interactions between transforming growth factor beta signaling and collagens: Insights from <scp>C</scp>aenorhabditis <scp>elegans</scp>. Developmental Dynamics, 2022, 251, 47-60.	0.8	9
2675	Deciphering osteoarthritis genetics across 826,690 individuals from 9 populations. Cell, 2021, 184, 4784-4818.e17.	13.5	188
2676	Condensation tendency and planar isotropic actin gradient induce radial alignment in confined monolayers. ELife, 2021, 10, .	2.8	3
2677	LPHN2 inhibits vascular permeability by differential control of endothelial cell adhesion. Journal of Cell Biology, 2021, 220, .	2.3	15
2678	The influence of tissue spatial geometry and functional organisation on liver regeneration. Seminars in Cell and Developmental Biology, 2022, 130, 70-78.	2.3	3
2679	Mechanical Strain Regulates Myofibroblast Differentiation of Human Scleral Fibroblasts by YAP. Frontiers in Physiology, 2021, 12, 712509.	1.3	13
2680	Synthetic molecules targeting yes associated protein activity as chemotherapeutics against cancer. Chemical Biology and Drug Design, 2021, 98, 1025-1037.	1.5	9
2681	Current strategies of mechanical stimulation for maturation of cardiac microtissues. Biophysical Reviews, 2021, 13, 717-727.	1.5	21
2682	TAGLN mediated stiffness-regulated ovarian cancer progression via RhoA/ROCK pathway. Journal of Experimental and Clinical Cancer Research, 2021, 40, 292.	3.5	25
2683	Tethering Cells via Enzymatic Oxidative Crosslinking Enables Mechanotransduction in Nonâ€Cellâ€Adhesive Materials. Advanced Materials, 2021, 33, e2102660.	11.1	10
2684	The â€˜Yin and Yangâ€™ of Cancer Cell Growth and Mechanosensing. Cancers, 2021, 13, 4754.	1.7	10

#	Article	IF	Citations
2685	Making Blood from the Vessel: Extrinsic and Environmental Cues Guiding the Endothelial-to-Hematopoietic Transition. Life, 2021, 11, 1027.	1.1	9
2686	Using Stereochemistry to Control Mechanical Properties in Thiolâ€“Yne Clickâ€Hydrogels. Angewandte Chemie - International Edition, 2021, 60, 25856-25864.	7.2	13
2687	Fascin promotes lung cancer growth and metastasis by enhancing glycolysis and PFKFB3 expression. Cancer Letters, 2021, 518, 230-242.	3.2	30
2688	Nonmuscle Myosin II in cancer cell migration and mechanotransduction. International Journal of Biochemistry and Cell Biology, 2021, 139, 106058.	1.2	5
2689	Efficient fabrication of stretching hydrogels with programmable strain gradients as cell sheet delivery vehicles. Materials Science and Engineering C, 2021, 129, 112415.	3.8	3
2690	Hypertonic pressure affects the pluripotency and self-renewal of mouse embryonic stem cells. Stem Cell Research, 2021, 56, 102537.	0.3	3
2691	Nuclear deformations, from signaling to perturbation and damage. Current Opinion in Cell Biology, 2021, 72, 137-145.	2.6	21
2692	At the nuclear envelope of bone mechanobiology. Bone, 2021, 151, 116023.	1.4	14
2693	Letter by Seavey and Rubin Regarding Article, â€œSustained Activation of Endothelial YAP1 Causes Epithelioid Hemangioendotheliomaâ€• Arteriosclerosis, Thrombosis, and Vascular Biology, 2021, 41, e491-e492.	1.1	1
2694	Extracellular matrix-mediated remodeling and mechanotransduction in large vessels during development and disease. Cellular Signalling, 2021, 86, 110104.	1.7	12
2695	Myoblast mechanotransduction and myotube morphology is dependent on BAG3 regulation of YAP and TAZ. Biomaterials, 2021, 277, 121097.	5.7	12
2696	UM-6 induces autophagy and apoptosis via the Hippo-YAP signaling pathway in cervical cancer. Cancer Letters, 2021, 519, 2-19.	3.2	12
2697	Soft surfaces promote astrocytic differentiation of mouse embryonic neural stem cells via dephosphorylation of MRLC in the absence of serum. Scientific Reports, 2021, 11, 19574.	1.6	3
2698	Inhibition of YAP activation attenuates renal injury and fibrosis in angiotensin II hypertensive mice. Canadian Journal of Physiology and Pharmacology, 2021, 99, 1000-1006.	0.7	11
2699	Bone physiological microenvironment and healing mechanism: Basis for future bone-tissue engineering scaffolds. Bioactive Materials, 2021, 6, 4110-4140.	8.6	191
2700	Substrate stiffness modulates endothelial cell function via the YAP-Dll4-Notch1 pathway. Experimental Cell Research, 2021, 408, 112835.	1.2	9
2701	Single-cell tracking reveals super-spreading brain cancer cells with high persistence. Biochemistry and Biophysics Reports, 2021, 28, 101120.	0.7	8
2702	Heat-induced manganese-doped magnetic nanocarriers combined with Yap-siRNA for MRI/NIR-guided mild photothermal and gene therapy of hepatocellular carcinoma. Chemical Engineering Journal, 2021, 426, 130746.	6.6	10

#	Article	IF	Citations
2703	Biomaterial control of adipose-derived stem/stromal cell differentiation. , 2022, , 313-346.		0
2704	Matrix stiffness modulates tip cell formation through the p-PXN-Rac1-YAP signaling axis. Bioactive Materials, 2022, 7, 364-376.	8.6	25
2705	The role of tissue maturity and mechanical state in controlling cell extrusion. Current Opinion in Genetics and Development, 2022, 72, 1-7.	1.5	7
2706	Cellular nanotechnologies: Orchestrating cellular processes by engineering silicon nanowires architectures. , 2022, , 231-278.		7
2707	3D printing of functional nerve guide conduits. Burns and Trauma, 2021, 9, tkab011.	2.3	19
2708	RNA binding proteins: Linking mechanotransduction and tumor metastasis. Cancer Letters, 2021, 496, 30-40.	3.2	11
2709	Photodegradable Polyacrylamide Gels for Dynamic Control of Cell Functions. ACS Applied Materials & Interfaces, 2021, 13, 5929-5944.	4.0	24
2710	YAP/TAZ inhibition reduces metastatic potential of Ewing sarcoma cells. Oncogenesis, 2021, 10, 2.	2.1	32
2711	Taking Advantage of the Morpheein Behavior of Peroxiredoxin in Bionanotechnology. Bioconjugate Chemistry, 2021, 32, 43-62.	1.8	8
2712	Electrically Conductive Micropatterned Polyaniline-Poly(ethylene glycol) Composite Hydrogel. Materials, 2021, 14, 308.	1.3	10
2713	The Plasticity of Nanofibrous Matrix Regulates Fibroblast Activation in Fibrosis. Advanced Healthcare Materials, 2021, 10, e2001856.	3.9	12
2714	A â€œsandwichâ€•cell culture platform with NIR-responsive dynamic stiffness to modulate macrophage phenotypes. Biomaterials Science, 2021, 9, 2553-2561.	2.6	19
2715	Mechanical Stiffness Controls Dendritic Cell Metabolism and Function. Cell Reports, 2021, 34, 108609.	2.9	98
2716	Stiffness of Nanoparticulate Mineralized Collagen Scaffolds Triggers Osteogenesis via Mechanotransduction and Canonical Wnt Signaling. Macromolecular Bioscience, 2021, 21, e2000370.	2.1	24
2717	<scp>YAP</scp> signaling induces <scp>PIEZO1</scp> to promote oral squamous cell carcinoma cell proliferation. Journal of Pathology, 2021, 253, 80-93.	2.1	91
2718	Hippo and Mouse Models for Cancer. , 2013, , 225-247.		2
2719	YAP1 Uses Its Modular Protein Domains and Conserved Sequence Motifs to Orchestrate Diverse Repertoires of Signaling. , 2013, , 53-70.		2
2720	Regulation of YAP/TAZ Activity by Mechanical Cues: An Experimental Overview. Methods in Molecular Biology, 2019, 1893, 183-202.	0.4	19

#	Article	IF	Citations
2721	Rho-ROCK Signaling in Normal Physiology and as a Key Player in Shaping the Tumor Microenvironment. Advances in Experimental Medicine and Biology, 2020, 1223, 99-127.	0.8	17
2722	Mechanotransduction, Metastasis and Genomic Instability. Cancer Metastasis - Biology and Treatment, 2015, , 139-158.	0.1	8
2723	D-Type Cyclins and Gene Transcription. Current Cancer Research, 2018, , 61-90.	0.2	2
2724	The Effects of Mechanical Forces on Nucleus Pulposus and Annulus Fibrosus Cells. , 2014, , 109-124.		1
2725	The Hippo Signaling Pathway: A Candidate New Drug Target for Malignant Tumors. , 2015, , 79-94.		4
2726	CTHRC1 promotes osteogenic differentiation of periodontal ligament stem cells by regulating TAZ. Journal of Molecular Histology, 2017, 48, 311-319.	1.0	30
2727	The microenvironment and cytoskeletal remodeling in tumor cell invasion. International Review of Cell and Molecular Biology, 2020, 356, 257-289.	1.6	6
2728	Focal adhesion signaling affects regeneration by human nucleus pulposus cells in collagen- but not carbohydrate-based hydrogels. Acta Biomaterialia, 2018, 66, 238-247.	4.1	20
2729	VE-cadherin functionalized injectable PAMAM/HA hydrogel promotes endothelial differentiation of hMSCs and vascularization. Applied Materials Today, 2020, 20, 100690.	2.3	13
2730	Deciphering the loop of epithelial-mesenchymal transition, inflammatory cytokines and cancer immunoediting. Cytokine and Growth Factor Reviews, 2017, 36, 67-77.	3.2	71
2731	The NDR/LATS protein kinases in immunology and cancer biology. Seminars in Cancer Biology, 2018, 48, 104-114.	4.3	43
2732	Forceful patterning in mouse preimplantation embryos. Seminars in Cell and Developmental Biology, 2017, 71, 129-136.	2.3	3
2733	Lipid-Raft-Targeted Molecular Self-Assembly Inactivates YAP to Treat Ovarian Cancer. Nano Letters, 2021, 21, 747-755.	4.5	23
2734	The Hippo pathway: key interaction and catalytic domains in organ growth control, stem cell self-renewal and tissue regeneration. Essays in Biochemistry, 2012, 53, 111-127.	2.1	7
2735	Extracellular matrix stiffness and Wnt/Î²-catenin signaling in physiology and disease. Biochemical Society Transactions, 2020, 48, 1187-1198.	1.6	41
2736	Hemidesmosomes modulate force generation via focal adhesions. Journal of Cell Biology, 2020, 219, .	2.3	87
2737	Spectrin couples cell shape, cortical tension, and Hippo signaling in retinal epithelial morphogenesis. Journal of Cell Biology, 2020, 219, .	2.3	29
2738	Nesprins are mechanotransducers that discriminate epithelialâ€“mesenchymal transition programs. Journal of Cell Biology, 2020, 219, .	2.3	35

#	Article	IF	Citations
2739	Regulation and functions of the Hippo pathway in stemness and differentiation. Acta Biochimica Et Biophysica Sinica, 2020, 52, 736-748.	0.9	17
2740	New targets for pulmonary arterial hypertension. Current Opinion in Pulmonary Medicine, 2017, 23, 377-385.	1.2	16
2787	Stiffness Characterization and Micromanipulation for Biomedical Applications using the Vision-based Force-Sensing Magnetic Mobile Microrobot. , 2020, , .		5
2788	Targeting of cancer stem cells by differentiation therapy. Cancer Science, 2020, 111, 2689-2695.	1.7	35
2789	The Effects of Stiffness, Fluid Viscosity, and Geometry of Microenvironment in Homeostasis, Aging, and Diseases: A Brief Review. Journal of Biomechanical Engineering, 2020, 142, .	0.6	24
2790	Fiber Crimp Confers Matrix Mechanical Nonlinearity, Regulates Endothelial Cell Mechanosensing, and Promotes Microvascular Network Formation. Journal of Biomechanical Engineering, 2020, 142, .	0.6	11
2791	Combinatorial screening of biochemical and physical signals for phenotypic regulation of stem cellâ€“based cartilage tissue engineering. Science Advances, 2020, 6, eaaz5913.	4.7	42
2792	Toxoplasma gondii Dysregulates Barrier Function and Mechanotransduction Signaling in Human Endothelial Cells. MSphere, 2020, 5, .	1.3	13
2793	TAZ is required for lung alveolar epithelial cell differentiation after injury. JCI Insight, 2019, 4, .	2.3	54
2794	SLIT3 deficiency attenuates pressure overloadâ€“induced cardiac fibrosis and remodeling. JCI Insight, 2020, 5, .	2.3	13
2795	STAT3 accelerates uterine epithelial regeneration in a mouse model of decellularized uterine matrix transplantation. JCI Insight, 2016, 1, .	2.3	49
2796	Lysophosphatidic acidâ€“induced YAP/TAZ activation promotes developmental angiogenesis by repressing Notch ligand Dll4. Journal of Clinical Investigation, 2019, 129, 4332-4349.	3.9	75
2797	c-Abl regulates YAPY357 phosphorylation to activate endothelial atherogenic responses to disturbed flow. Journal of Clinical Investigation, 2019, 129, 1167-1179.	3.9	92
2798	Myofibroblast contraction is essential for generating and regenerating the gas-exchange surface. Journal of Clinical Investigation, 2020, 130, 2859-2871.	3.9	45
2799	Immobilization after injury alters extracellular matrix and stem cell fate. Journal of Clinical Investigation, 2020, 130, 5444-5460.	3.9	42
2800	Alveolar rhabdomyosarcomaâ€“associated PAX3-FOXO1 promotes tumorigenesis via Hippo pathway suppression. Journal of Clinical Investigation, 2014, 124, 285-296.	3.9	94
2801	Vascular stiffness mechanoactivates YAP/TAZ-dependent glutaminolysis to drive pulmonary hypertension. Journal of Clinical Investigation, 2016, 126, 3313-3335.	3.9	303
2802	Mechanosensing and fibrosis. Journal of Clinical Investigation, 2018, 128, 74-84.	3.9	203

#	Article	IF	Citations
2803	Polycystin-1 interacts with TAZ to stimulate osteoblastogenesis and inhibit adipogenesis. Journal of Clinical Investigation, 2017, 128, 157-174.	3.9	49
2804	YAP/TAZ regulates sprouting angiogenesis and vascular barrier maturation. Journal of Clinical Investigation, 2017, 127, 3441-3461.	3.9	282
2805	F-actin Regulates Osteoblastic Differentiation of Mesenchymal Stem Cells on TiO2 Nanotubes Through MKL1 and YAP/TAZ. Nanoscale Research Letters, 2020, 15, 183.	3.1	28
2806	YAP/TAZ functions and their regulation at a glance. Journal of Cell Science, 2020, 133, .	1.2	204
2807	Mechano-responsiveness of fibrillar adhesions on stiffness-gradient gels. Journal of Cell Science, 2020, 133, .	1.2	27
2808	Recent advances in the understanding of Dupuytrenâ€™s disease. F1000Research, 2019, 8, 231.	0.8	25
2809	Cadherin signaling: keeping cells in touch. F1000Research, 2015, 4, 550.	0.8	57
2810	A mechanobiological perspective on cadherins and the actin-myosin cytoskeleton. F1000prime Reports, 2013, 5, 35.	5.9	21
2811	Three-dimensional imaging of cell and extracellular matrix elasticity using quantitative micro-elastography. Biomedical Optics Express, 2020, 11, 867.	1.5	30
2812	Expanding signaling-molecule wavefront model of cell polarization in the Drosophila wing primordium. PLoS Computational Biology, 2017, 13, e1005610.	1.5	9
2813	Redirecting Valvular Myofibroblasts into Dormant Fibroblasts through Light-mediated Reduction in Substrate Modulus. PLoS ONE, 2012, 7, e39969.	1.1	146
2814	Effect of Substrate Stiffness on Early Mouse Embryo Development. PLoS ONE, 2012, 7, e41717.	1.1	84
2815	Regulation of Fibrochondrogenesis of Mesenchymal Stem Cells in an Integrated Microfluidic Platform Embedded with Biomimetic Nanofibrous Scaffolds. PLoS ONE, 2013, 8, e61283.	1.1	35
2816	Prenatal Exposure to Dietary Fat Induces Changes in the Transcriptional Factors,TEF and YAP, Which May Stimulate Differentiation of Peptide Neurons in Rat Hypothalamus. PLoS ONE, 2013, 8, e77668.	1.1	14
2817	Microenvironmental Stiffness Enhances Glioma Cell Proliferation by Stimulating Epidermal Growth Factor Receptor Signaling. PLoS ONE, 2014, 9, e101771.	1.1	104
2818	Involvement of YAP, TAZ and HSP90 in Contact Guidance and Intercellular Junction Formation in Corneal Epithelial Cells. PLoS ONE, 2014, 9, e109811.	1.1	37
2819	Binding of Kif23-iso1/CHO1 to 14-3-3 Is Regulated by Sequential Phosphorylations at Two LATS Kinase Consensus Sites. PLoS ONE, 2015, 10, e0117857.	1.1	12
2820	Inhibitory Mechanism of FAT4 Gene Expression in Response to Actin Dynamics during Src-Induced Carcinogenesis. PLoS ONE, 2015, 10, e0118336.	1.1	46

#	Article	IF	Citations
2821	Direct Exposure to Ethanol Disrupts Junctional Cell-Cell Contact and Hippo-YAP Signaling in HL-1 Murine Atrial Cardiomyocytes. PLoS ONE, 2015, 10, e0136952.	1.1	10
2822	Targeting YAP/TAZ-TEAD protein-protein interactions using fragment-based and computational modeling approaches. PLoS ONE, 2017, 12, e0178381.	1.1	30
2823	Engineered extracellular matrices with controlled mechanics modulate renal proximal tubular cell epithelialization. PLoS ONE, 2017, 12, e0181085.	1.1	22
2824	Jasplakinolide induces primary cilium formation through cell rounding and YAP inactivation. PLoS ONE, 2017, 12, e0183030.	1.1	18
2825	Substrate Stiffness Influences the Time Dependence of CTGF Protein Expression in MÃ¼ller Cells. International Physiology Journal, 2018, 1, 1-7.	0.3	4
2826	The Role of Hippo Pathway in Cancer Stem Cell Biology. Molecules and Cells, 2018, 41, 83-92.	1.0	140
2827	Integrated extracellular matrix signaling in mammary gland development and breast cancer progression. Histology and Histopathology, 2014, 29, 1083-92.	0.5	41
2828	<scp>LDL</scp> receptorâ€related protein <scp>LRP</scp> 6 senses nutrient levels and regulates Hippo signaling. EMBO Reports, 2020, 21, e50103.	2.0	11
2829	Amyloid aggregates accumulate in melanoma metastasis modulating <scp>YAP</scp> activity. EMBO Reports, 2020, 21, e50446.	2.0	24
2830	Bile canaliculi remodeling activates <scp>YAP</scp> via the actin cytoskeleton during liver regeneration. Molecular Systems Biology, 2020, 16, e8985.	3.2	29
2831	Effects of age-dependent changes in cell size on endothelial cell proliferation and senescence through YAP1. Aging, 2019, 11, 7051-7069.	1.4	20
2832	Unraveling the expression of the oncogene YAP1, a Wnt/beta-catenin target, in adrenocortical tumors and its association with poor outcome in pediatric patients. Oncotarget, 2016, 7, 84634-84644.	0.8	17
2833	Integrin Î±2Î²1 inhibits MST1 kinase phosphorylation and activates Yes-associated protein oncogenic signaling in hepatocellular carcinoma. Oncotarget, 2016, 7, 77683-77695.	0.8	53
2834	Positive regulation of TAZ expression by EBV-LMP1 contributes to cell proliferation and epithelial-mesenchymal transition in nasopharyngeal carcinoma. Oncotarget, 2017, 8, 52333-52344.	0.8	17
2835	Sphingosine-1-phosphate promotes ovarian cancer cell proliferation by disrupting Hippo signaling. Oncotarget, 2017, 8, 27166-27176.	0.8	21
2836	YAP1 is essential for tumor growth and is a potential therapeutic target for EGFR-dependent lung adenocarcinomas. Oncotarget, 2017, 8, 89539-89551.	0.8	15
2837	Hyaluronic acid enhances cell migration and invasion via the YAP1/TAZ-RHAMM axis in malignant pleural mesothelioma. Oncotarget, 2017, 8, 93729-93740.	0.8	24
2838	TRPM7 maintains progenitor-like features of neuroblastoma cells: implications for metastasis formation. Oncotarget, 2015, 6, 8760-8776.	0.8	34

#	Article	IF	Citations
2839	A novel HMGA1-CCNE2-YAP axis regulates breast cancer aggressiveness. Oncotarget, 2015, 6, 19087-19101.	0.8	70
2840	CDK1 phosphorylation of TAZ in mitosis inhibits its oncogenic activity. Oncotarget, 2015, 6, 31399-31412.	0.8	28
2841	MDP, a database linking drug response data to genomic information, identifies dasatinib and statins as a combinatorial strategy to inhibit YAP/TAZ in cancer cells. Oncotarget, 2015, 6, 38854-38865.	0.8	54
2842	PAR1 participates in the ability of multidrug resistance and tumorigenesis by controlling Hippo-YAP pathway. Oncotarget, 2015, 6, 34788-34799.	0.8	39
2843	Active YAP promotes pancreatic cancer cell motility, invasion and tumorigenesis in a mitotic phosphorylation-dependent manner through LPAR3. Oncotarget, 2015, 6, 36019-36031.	0.8	86
2844	MRTF/SRF dependent transcriptional regulation of TAZ in breast cancer cells. Oncotarget, 2016, 7, 13706-13716.	0.8	27
2845	An evolutionarily conserved negative feedback mechanism in the Hippo pathway reflects functional difference between LATS1 and LATS2. Oncotarget, 2016, 7, 24063-24075.	0.8	42
2846	The Hippo transducers TAZ/YAP and their target CTGF in male breast cancer. Oncotarget, 2016, 7, 43188-43198.	0.8	35
2847	Molecular mechanisms of mechanotransduction in psoriasis. Annals of Translational Medicine, 2018, 6, 245-245.	0.7	27
2848	Microenvironment and tumor cells: two targets for new molecular therapies of hepatocellular carcinoma. Translational Gastroenterology and Hepatology, 2018, 3, 24-24.	1.5	38
2849	Cancer Stem Cells and Combination Therapies to Eradicate Them. Current Pharmaceutical Design, 2020, 26, 1994-2008.	0.9	6
2850	Molecular Signaling Pathways and Essential Metabolic Elements in Bone Remodeling: An Implication of Therapeutic Targets for Bone Diseases. Current Drug Targets, 2020, 22, 77-104.	1.0	6
2851	Potential microRNA-related Targets for Therapeutic Intervention with Ovarian Cancer Metastasis. Cancer Genomics and Proteomics, 2018, 15, 1-15.	1.0	33
2852	Biomaterials for intervertebral disc regeneration: past performance and possible future strategies. , 2015, 30, 210-231.		25
2853	Biomechanical signals guiding stem cell cartilage engineering: from molecular adaption to tissue functionality. , 2016, 31, 59-78.		34
2854	Accelerated bone formation by biphasic calcium phosphate with a novel sub-micron surface topography. , 2019, 37, 60-73.		31
2855	LATS1 and LATS2 suppress breast cancer progression by maintaining cell identity and metabolic state. Life Science Alliance, 2018, 1, e201800171.	1.3	26
2856	Hepatic Hippo signaling inhibits development of hepatocellular carcinoma. Clinical and Molecular Hepatology, 2020, 26, 742-750.	4.5	40

#	Article	IF	Citations
2857	Lamin-Related Congenital Muscular Dystrophy Alters Mechanical Signaling and Skeletal Muscle Growth. International Journal of Molecular Sciences, 2021, 22, 306.	1.8	15
2858			

#	Article	IF	Citations
2875	YAP drives cutaneous squamous cell carcinoma formation and progression. ELife, 2018, 7, .	2.8	41
2876	The major Î²-catenin/E-cadherin junctional binding site is a primary molecular mechano-transductor of differentiation in vivo. ELife, 2018, 7, .	2.8	62
2877	Spatial patterning of liver progenitor cell differentiation mediated by cellular contractility and Notch signaling. ELife, 2018, 7, .	2.8	36
2878	Nerfin-1 represses transcriptional output of Hippo signaling in cell competition. ELife, 2019, 8, .	2.8	19
2879	Size control of the inner ear via hydraulic feedback. ELife, 2019, 8, .	2.8	46
2880	Mask family proteins ANKHD1 and ANKRD17 regulate YAP nuclear import and stability. ELife, 2019, 8, .	2.8	23
2881	Stimulation of Piezo1 by mechanical signals promotes bone anabolism. ELife, 2019, 8, .	2.8	185
2882	Actomyosin regulation by Eph receptor signaling couples boundary cell formation to border sharpness. ELife, 2019, 8, .	2.8	22
2883	Piezo1/2 mediate mechanotransduction essential for bone formation through concerted activation of NFAT-YAP1-ÃŸ-catenin. ELife, 2020, 9, .	2.8	161
2884	Keratin 14-dependent disulfides regulate epidermal homeostasis and barrier function via 14-3-3Ïƒ and YAP1. ELife, 2020, 9, .	2.8	41
2885	YAP regulates cell size and growth dynamics via non-cell autonomous mediators. ELife, 2020, 9, .	2.8	28
2886	Secondary ossification center induces and protects growth plate structure. ELife, 2020, 9, .	2.8	29
2887	Genome-wide CRISPR screen identifies noncanonical NF-ÎºB signaling as a regulator of density-dependent proliferation. ELife, 2020, 9, .	2.8	8
2888	Mechanical forces and metabolic changes cooperate to drive cellular memory and endothelial phenotypes. Current Topics in Membranes, 2021, 87, 199-253.	0.5	9
2889	Improved epithelial cellâ€“cell adhesion using molecular mobility of supramolecular surfaces. Biomaterials Science, 2021, 9, 7151-7158.	2.6	5
2890	The Hippo pathway: a renewed insight in the craniofacial diseases and hard tissue remodeling. International Journal of Biological Sciences, 2021, 17, 4060-4072.	2.6	7
2891	Capicua Suppresses YAP1 To Limit Tumorigenesis and Maintain Drug Sensitivity in Human Cancer. SSRN Electronic Journal, 0, , .	0.4	0
2892	Glucocorticoids induce osteonecrosis of the femoral head through the Hippo signaling pathway. Open Life Sciences, 2021, 16, 1130-1140.	0.6	0

#	Article	IF	Citations
2894	Regulation of the integrin Î±VÎ²3- actin filaments axis in early osteogenesis of human fibroblasts under cyclic tensile stress. Stem Cell Research and Therapy, 2021, 12, 523.	2.4	15
2895	Transforming Growth Factor-Î²: An Agent of Change in the Tumor Microenvironment. Frontiers in Cell and Developmental Biology, 2021, 9, 764727.	1.8	29
2896	The PDAC Extracellular Matrix: A Review of the ECM Protein Composition, Tumor Cell Interaction, and Therapeutic Strategies. Frontiers in Oncology, 2021, 11, 751311.	1.3	48
2897	Palmitic Acid-Induced miR-429-3p Impairs Myoblast Differentiation by Downregulating CFL2. International Journal of Molecular Sciences, 2021, 22, 10972.	1.8	6
2898	Induction of inverted morphology in brain organoids by vertical-mixing bioreactors. Communications Biology, 2021, 4, 1213.	2.0	13
2899	Use of liquid lithography to form in vitro intestinal crypts with varying microcurvature surrounding the stem cell niche. Journal of Micromechanics and Microengineering, 2021, 31, 125006.	1.5	2
2900	Forward and feedback control mechanisms of developmental tissue growth. Cells and Development, 2021, 168, 203750.	0.7	6
2901	Plexin-B2 orchestrates collective stem cell dynamics via actomyosin contractility, cytoskeletal tension and adhesion. Nature Communications, 2021, 12, 6019.	5.8	16
2902	Dynamic self-reinforcement of gene expression determines acquisition of cellular mechanical memory. Biophysical Journal, 2021, 120, 5074-5089.	0.2	23
2903	Cell-adaptable dynamic hydrogel reinforced with stem cells improves the functional repair of spinal cord injury by alleviating neuroinflammation. Biomaterials, 2021, 279, 121190.	5.7	53
2904	Mechanistic insights into COVID-19 by global analysis of the SARS-CoV-2 3CLpro substrate degradome. Cell Reports, 2021, 37, 109892.	2.9	60
2906	Targeted inhibition of YAP/TAZ alters the biological behaviours of keloid fibroblasts. Experimental Dermatology, 2022, 31, 320-329.	1.4	10
2907	DNA Damage-Induced Inflammatory Microenvironment and Adult Stem Cell Response. Frontiers in Cell and Developmental Biology, 2021, 9, 729136.	1.8	34
2908	Roles of Non-Canonical Wnt Signalling Pathways in Bone Biology. International Journal of Molecular Sciences, 2021, 22, 10840.	1.8	35
2910	Control of hormone-driven organ disassembly by ECM remodeling and Yorkie-dependent apoptosis. Current Biology, 2021, 31, 5261-5273.e4.	1.8	4
2911	Microtubules tune mechanosensitive cell responses. Nature Materials, 2022, 21, 366-377.	13.3	77
2912	Reawakening the Intrinsic Cardiac Regenerative Potential: Molecular Strategies to Boost Dedifferentiation and Proliferation of Endogenous Cardiomyocytes. Frontiers in Cardiovascular Medicine, 2021, 8, 750604.	1.1	13
2913	TAZ inhibits glucocorticoid receptor and coordinates hepatic glucose homeostasis in normal physiological states. ELife, 2021, 10, .	2.8	6

#	Article	IF	Citations
2914	Endothelial upregulation of mechanosensitive channel Piezo1 in pulmonary hypertension. American Journal of Physiology - Cell Physiology, 2021, 321, C1010-C1027.	2.1	29
2915	MICAL2 Contributes to Gastric Cancer Cell Proliferation by Promoting YAP Dephosphorylation and Nuclear Translocation. Oxidative Medicine and Cellular Longevity, 2021, 2021, 1-17.	1.9	11
2916	Role of MiR-325-3p in the Regulation of CFL2 and Myogenic Differentiation of C2C12 Myoblasts. Cells, 2021, 10, 2725.	1.8	8
2917	E-cigarette aerosol mixtures inhibit biomaterial-induced osseointegrative cell phenotypes. Materialia, 2021, 20, 101241.	1.3	1
2918	Effects of forces on chromatin. APL Bioengineering, 2021, 5, 041503.	3.3	17
2919	Hypoxia and Extracellular Matrix Remodeling. , 2014, , 171-197.		0
2920	The Instructive Role of Biomaterials in Cell-Based Therapy and Tissue Engineering. RSC Soft Matter, 2014, , 73-94.	0.2	0
2921	Physical and Engineering Principles in Stem Cell Research. Science Policy Reports, 2014, , 21-43.	0.1	0
2922	Position-Dependent Hippo Signaling Controls Cell Fates in Preimplantation Mouse Embryos. , 2014, , 41-53.		1
2923	Design Concept of Topographical and Mechanical Properties of Synthetic Extracellular Matrix to Control Cell Functions and Fates Through Actin Cytoskeletal Modulation. Frontiers of Biomechanics, 2015, , 159-186.	0.1	1
2924	YAP/TAZ Join the Play with Î²-catenin to Orchestrate Wnt Signaling. Postdoc Journal, 0, , .	0.4	0
2925	Emerging Engineering Strategies for Studying the Stem Cell Niche. Pancreatic Islet Biology, 2015, , 57-106.	0.1	0
2926	Plastic Surgery Update on the Biology of Fat Cells and Adipose-Derived Stem Cells for Fat Grafting. Open Access Library Journal (oalib), 2015, 02, 1-26.	0.1	0
2927	Non-Canonical Regulation of TGF-Î²1 Signaling: A Role for Ski/Sno and YAP/TAZ. , 2015, , 147-165.		0
2928	The Impact of Mechanic Force on Proliferative Signaling Molecules during Liver Regeneration. Journal of Liver Research, Disorders & Therapy, 2015, 1, .	0.1	0
2931	Discoidin Domain Receptors in Normal Mammary Development and Breast Cancer Progression. , 2016, , 119-144.		0
2932	Biointerface Technology. , 2016, , 151-183.		0
2933	Collagen and fibronectin: threads linking obesity and breast cancer. Annals of Translational Medicine, 2016, 4, S50-S50.	0.7	0

#	Article	IF	Citations
2936	Molecular exercise physiology. , 2017, , .		1
2944	Myocardial Angiopoietin-1 Controls Atrial Chamber Morphogenesis by Spatiotemporal Degradation of Cardiac Jelly. SSRN Electronic Journal, 0, , .	0.4	0
2967	Profiling of the Muscle-Specific Dystroglycan Complexome Identifies Novel Muscular Dystrophy Factors. SSRN Electronic Journal, 0, , .	0.4	0
2969	The role of vascular tissue stiffness and endothelial cellular stiffness. Japanese Journal of Thrombosis and Hemostasis, 2019, 30, 496-504.	0.1	0
2970	Mechanotransduction in Wound Healing and Scar Formation. , 2019, , 35-45.		0
2971	Adding a dimension to cell fate. Animal Reproduction, 2019, 16, 18-23.	0.4	1
2989	Cellular and Molecular Responses to Gravitational Force-Triggered Stress in Cells of the Immune System. , 2020, , 301-325.		0
2991	Mesenchymal Stem Cell Signaling Pathway and Interaction Factors. Experimed, 2020, 9, 120-129.	0.0	0
3004	Dermal response to combined double ï¬ller administration. Kuban Scientific Medical Bulletin, 2020, 27, 72-81.	0.1	3
3005	Are Osteoclasts Mechanosensitive Cells?. Journal of Biomedical Nanotechnology, 2021, 17, 1917-1938.	0.5	6
3006	Mechanics-driven nuclear localization of YAP can be reversed by N-cadherin ligation in mesenchymal stem cells. Nature Communications, 2021, 12, 6229.	5.8	40
3007	Editorial: Cytoskeleton Dynamics as Master Regulator of Organelle Reorganization and Intracellular Signaling for Cell-Cell Competition. Frontiers in Cell and Developmental Biology, 2021, 9, 782559.	1.8	2
3008	3D Printed Dualâ€Porosity Scaffolds: The Combined Effect of Stiffness and Porosity in the Modulation of Macrophage Polarization. Advanced Healthcare Materials, 2022, 11, e2101415.	3.9	23
3009	Paraspeckle Protein NONO Promotes TAZ Phase Separation in the Nucleus to Drive the Oncogenic Transcriptional Program. Advanced Science, 2021, 8, e2102653.	5.6	24
3010	Breast Cancer CAFs: Spectrum of Phenotypes and Promising Targeting Avenues. International Journal of Molecular Sciences, 2021, 22, 11636.	1.8	23
3011	Hyaluronan-Based Gel Promotes Human Dental Pulp Stem Cells Bone Differentiation by Activating YAP/TAZ Pathway. Cells, 2021, 10, 2899.	1.8	20
3012	Strategies to Introduce Topographical and Structural Cues in 3Dâ€Printed Scaffolds and Implications in Tissue Regeneration. Advanced NanoBiomed Research, 2021, 1, 2100068.	1.7	14
3013	EGFR Regulates the Hippo pathway by promoting the tyrosine phosphorylation of MOB1. Communications Biology, 2021, 4, 1237.	2.0	20

#	Article	IF	Citations
3014	LRP5-Mediated Lipid Uptake Modulates Osteogenic Differentiation of Bone Marrow Mesenchymal Stromal Cells. Frontiers in Cell and Developmental Biology, 2021, 9, 766815.	1.8	3
3015	Highly substituted calcium silicates 3D printed with complex architectures to produce stiff, strong and bioactive scaffolds for bone regeneration. Applied Materials Today, 2021, 25, 101230.	2.3	12
3016	Tumour-directed microenvironment remodelling at a glance. Journal of Cell Science, 2020, 133, .	1.2	10
3017	CBX2 depletion inhibits the proliferation, invasion and migration of gastric cancer cells by inactivating the YAP/Î²-catenin pathway. Molecular Medicine Reports, 2020, 23, .	1.1	17
3018	AFM force spectroscopy as a powerful tool to address material design for biomedical applications. AÂreview. Biomedical Spectroscopy and Imaging, 2020, 9, 141-164.	1.2	0
3019	Regulators and Regulations. , 2020, , 153-171.		0
3020	BNIP-2 Activation of Cellular Contractility Inactivates YAP for Cardiomyogenesis. SSRN Electronic Journal, 0, , .	0.4	0
3021	Mechanogenetics: harnessing mechanobiology for cellular engineering. Current Opinion in Biotechnology, 2022, 73, 374-379.	3.3	13
3026	Mechanical interaction between actin cytoskeleton and nucleus regulates intracellular YAP localization in osteogenic differentiation in human mesenchymal stem cells.. Transactions of the JSME (in Japanese), 2020, 86, 20-00264-20-00264.	0.1	0
3028	Cell signaling and strategies to modulate cell behavior. , 2020, , 231-246.		0
3029	Chondrocyte Cell Fate Analysis. , 2020, , 621-631.		0
3030	Chromatin condensation retains the osteogenic transcription factor, RUNX2, in the nucleus of human mesenchymal stem cells. Journal of Biomechanical Science and Engineering, 2020, 15, 20-00083-20-00083.	0.1	3
3031	Cell Proliferation, Survival, Necrosis and Apoptosis. Biological and Medical Physics Series, 2020, , 743-824.	0.3	1
3032	Liver Mechanics and the Profibrotic Response atÂthe Cellular Level. , 2020, , 661-670.		0
3033	BH3 Mimetic Drugs for Anti-fibrotic Therapy. RSC Drug Discovery Series, 2020, , 235-258.	0.2	0
3034	Metabolic Pathways of Eukaryotes and Connection to Cell Mechanics. Biological and Medical Physics Series, 2020, , 825-891.	0.3	1
3035	Focal Adhesion Proteins Regulate Cellâ€“Matrix and Cellâ€“Cell Adhesion and Act as Force Sensors. Biological and Medical Physics Series, 2020, , 95-140.	0.3	0
3041	Microtubule Stabilization Enhances the Chondrogenesis of Synovial Mesenchymal Stem Cells. Frontiers in Cell and Developmental Biology, 2021, 9, 748804.	1.8	4

#	Article	IF	Citations
3042	The Mechanosensing and Global DNA Methylation of Human Osteoblasts on MEW Fibers. Nanomaterials, 2021, 11, 2943.	1.9	9
3043	Intrinsic Mechanical Cues and Their Impact on Stem Cells and Embryogenesis. Frontiers in Cell and Developmental Biology, 2021, 9, 761871.	1.8	37
3044	The effect of mechanical force in genitourinary malignancies. Expert Review of Anticancer Therapy, 2022, 22, 53-64.	1.1	1
3045	PHF5A promotes colorectal cancer progression by alternative splicing of TEAD2. Molecular Therapy - Nucleic Acids, 2021, 26, 1215-1227.	2.3	11
3046	A Critical Balance Between PAX8 and the Hippo Mediator TAZ Determines Sodium/Iodide Symporter Expression and Function. Thyroid, 2022, 32, 315-325.	2.4	4
3047	TRPV4 Mechanotransduction in Fibrosis. Cells, 2021, 10, 3053.	1.8	15
3048	An emergent Wnt5a/YAP/TAZ regulatory circuit and its possible role in cancer. Seminars in Cell and Developmental Biology, 2022, 125, 45-54.	2.3	9
3049	Targeting Mechanosensitive Piezo1 Alleviated Renal Fibrosis Through p38MAPK-YAP Pathway. Frontiers in Cell and Developmental Biology, 2021, 9, 741060.	1.8	24
3050	Biophysical Stimuli as the Fourth Pillar of Bone Tissue Engineering. Frontiers in Cell and Developmental Biology, 2021, 9, 790050.	1.8	20
3052	Effects of Electrical Stimulation on Stem Cells. Current Stem Cell Research and Therapy, 2020, 15, 441-448.	0.6	6
3062	Focal Adhesion Isolation Assay Using ECM-Coated Magnetic Beads. Methods in Molecular Biology, 2021, 2217, 39-44.	0.4	0
3063	Primer on the Pathogenesis of Severe COVID-19: Part Two. European Medical Journal (Chelmsford,) Tj ETQq1 1 0.784314 rgBT /Overlock	3.0	1
3064	Regulation and function of the TAZ transcription co-activator. International Journal of Biochemistry and Molecular Biology, 2011, 2, 247-56.	0.1	23
3066	Actin up in the Nucleus: Regulation of Actin Structures Modulates Mesenchymal Stem Cell Differentiation. Transactions of the American Clinical and Climatological Association, 2017, 128, 180-192.	0.9	5
3068	Role of Hippo Pathway Effector Tafazzin Protein in Maintaining Stemness of Umbilical Cord-Derived Mesenchymal Stem Cells (UC-MSC). International Journal of Hematology-Oncology and Stem Cell Research, 2018, 12, 153-165.	0.3	0
3069	The HIPPO pathway in gynecological malignancies. American Journal of Cancer Research, 2020, 10, 610-629.	1.4	7
3070	Consistent apparent Young's modulus of human embryonic stem cells and derived cell types stabilized by substrate stiffness regulation promotes lineage specificity maintenance. Cell Regeneration, 2020, 9, 15.	1.1	2
3071	Platelet-rich plasma promotes MSCs exosomes paracrine to repair acute kidney injury via AKT/Rab27 pathway. American Journal of Translational Research (discontinued), 2021, 13, 1445-1457.	0.0	2

#	Article	IF	Citations
3072	The Hippo pathway: an emerging role in urologic cancers. American Journal of Clinical and Experimental Urology, 2021, 9, 301-317.	0.4	1
3073	O-GlcNAcylation regulation of cellular signaling in cancer. Cellular Signalling, 2022, 90, 110201.	1.7	25
3074	Long term expansion profile of mesenchymal stromal cells at protein nanosheet-stabilised bioemulsions for next generation cell culture microcarriers. Materials Today Bio, 2021, 12, 100159.	2.6	21
3075	The Skeletal Cellular and Molecular Underpinning of the Murine Hindlimb Unloading Model. Frontiers in Physiology, 2021, 12, 749464.	1.3	5
3076	High YAP and TEAD4 immunolabelings are associated with poor prognosis in patients with gallbladder cancer. Apmis, 2021, 129, 729-742.	0.9	4
3077	The Hippo Signaling Pathway: The Trader of Tumor Microenvironment. Frontiers in Oncology, 2021, 11, 772134.	1.3	13
3078	Deciphering Promoter Hypermethylation of Genes Encoding for RASSF/Hippo Pathway Reveals the Poor Prognostic Factor of RASSF2 Gene Silencing in Colon Cancers. Cancers, 2021, 13, 5957.	1.7	2
3079	Targeting the IL-6â€“Yapâ€“Snail signalling axis in synovial fibroblasts ameliorates inflammatory arthritis. Annals of the Rheumatic Diseases, 2022, 81, 214-224.	0.5	26
3080	Three-Dimensionally Printed Ti2448 With Low Stiffness Enhanced Angiogenesis and Osteogenesis by Regulating Macrophage Polarization via Piezo1/YAP Signaling Axis. Frontiers in Cell and Developmental Biology, 2021, 9, 750948.	1.8	17
3081	Mesenchymal stem/stromal cells in cancer therapy. Journal of Hematology and Oncology, 2021, 14, 195.	6.9	96
3082	Suture Cells in a Mechanical Stretching Niche: Critical Contributors to Trans-sutural Distraction Osteogenesis. Calcified Tissue International, 2022, 110, 285-293.	1.5	2
3083	Simple yet effective methods to probe hydrogel stiffness for mechanobiology. Scientific Reports, 2021, 11, 22668.	1.6	9
3084	Biomaterials patterning regulates neural stem cells fate and behavior: The interface of biology and material science. Journal of Biomedical Materials Research - Part A, 2022, 110, 725-737.	2.1	4
3085	Broadly Applicable Hydrogel Fabrication Procedures Guided by Yap/Tazâ€Activity Reveal Stiffness, Adhesiveness and Nuclear Projected Area as Checkpoints for Mechanosensing. Advanced Healthcare Materials, 2021, , 2102276.	3.9	4
3086	Hepatectomy-Induced Alterations in Hepatic Perfusion and Function - Toward Multi-Scale Computational Modeling for a Better Prediction of Post-hepatectomy Liver Function. Frontiers in Physiology, 2021, 12, 733868.	1.3	21
3087	Mechanical regulation of early vertebrate embryogenesis. Nature Reviews Molecular Cell Biology, 2022, 23, 169-184.	16.1	44
3088	Regulation of vascular branch formation in 3D bioprinted tissues using confining force. Applied Materials Today, 2022, 26, 101240.	2.3	6
3089	Scaling concepts in â€˜omics: Nuclear lamin-B scales with tumor growth and often predicts poor prognosis, unlike fibrosis. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, .	3.3	15

#	Article	IF	Citations
3090	Prostate tumor-induced stromal reprogramming generates Tenascin C that promotes prostate cancer metastasis through YAP/TAZ inhibition. Oncogene, 2022, 41, 757-769.	2.6	12
3091	Engineering Modular 3D Liver Culture Microenvironments In Vitro to Parse the Interplay between Biophysical and Biochemical Microenvironment Cues on Hepatic Phenotypes. Advanced NanoBiomed Research, 2022, 2, 2100049.	1.7	2
3092	Inhibitors of the Hippo Pathway Kinases STK3/MST2 and STK4/MST1 Have Utility for the Treatment of Acute Myeloid Leukemia. Journal of Medicinal Chemistry, 2022, 65, 1352-1369.	2.9	18
3094	Alveologenesis: What Governs Secondary Septa Formation. International Journal of Molecular Sciences, 2021, 22, 12107.	1.8	13
3095	Mechanosensing and the Hippo Pathway in Microglia: A Potential Link to Alzheimerâ€™s Disease Pathogenesis?. Cells, 2021, 10, 3144.	1.8	19
3096	Vinexin contributes to autophagic decline in brain ageing across species. Cell Death and Differentiation, 2022, 29, 1055-1070.	5.0	7
3098	Relayed signaling between mesenchymal progenitors and muscle stem cells ensures adaptive stem cell response to increased mechanical load. Cell Stem Cell, 2022, 29, 265-280.e6.	5.2	36
3099	Polyisocyanide Hydrogels With Tunable Nonlinear Elasticity Mediate HCC Development. SSRN Electronic Journal, 0, , .	0.4	0
3100	The Loop of Phenotype: Dynamic Reciprocity Links Tenocyte Morphology to Tendon Tissue Homeostasis. SSRN Electronic Journal, 0, , .	0.4	0
3101	Lose the Stress: Viscoelastic Materials for Cell Engineering. SSRN Electronic Journal, 0, , .	0.4	2
3102	Mechanotransduction in fibrosis: Mechanisms and treatment targets. Current Topics in Membranes, 2021, 87, 279-314.	0.5	2
3104	YAP/TAZ in Bone and Cartilage Biology. Frontiers in Cell and Developmental Biology, 2021, 9, 788773.	1.8	13
3105	Tissue geometry drives deterministic organoid patterning. Science, 2022, 375, eaaw9021.	6.0	186
3106	Ovarian Biomechanics: From Health to Disease. Frontiers in Oncology, 2021, 11, 744257.	1.3	7
3107	Therapeutic Low-Intensity Ultrasound for Peripheral Nerve Regeneration â€“ A Schwann Cell Perspective. Frontiers in Cellular Neuroscience, 2021, 15, 812588.	1.8	16
3108	Hipster microcarriers: exploring geometrical and topographical cues of non-spherical microcarriers in biomedical applications. Materials Horizons, 2022, 9, 908-933.	6.4	15
3109	Context-dependent transcriptional regulations of YAP/TAZ in stem cell and differentiation. Stem Cell Research and Therapy, 2022, 13, 10.	2.4	25
3110	Context-dependent transcriptional regulations of YAP/TAZ in cancer. Cancer Letters, 2022, 527, 164-173.	3.2	18

#	Article	IF	Citations
3111	Consistent apparent Youngâ€™s modulus of human embryonic stem cells and derived cell types stabilized by substrate stiffness regulation promotes lineage specificity maintenance. Cell Regeneration, 2020, 9, 15.	1.1	6
3112	Mechanobiological Implications of Cancer Progression in Space. Frontiers in Cell and Developmental Biology, 2021, 9, 740009.	1.8	6
3113	MOB3A Bypasses BRAF and RAS Oncogene-Induced Senescence by Engaging the Hippo Pathway. Molecular Cancer Research, 2022, 20, 770-781.	1.5	9
3114	Engineered Cellâ€Secreted Extracellular Matrix Modulates Cell Spheroid Mechanosensing and Amplifies Their Response to Inductive Cues for the Formation of Mineralized Tissues. Advanced Healthcare Materials, 2022, 11, e2102337.	3.9	21
3116	RICH1 inhibits breast cancer stem cell traits through activating kinases cascade of Hippo signaling by competing with Merlin for binding to Amot-p80. Cell Death and Disease, 2022, 13, 71.	2.7	10
3118	Heterotopic Ossification: Clinical Features, Basic Researches, and Mechanical Stimulations. Frontiers in Cell and Developmental Biology, 2022, 10, 770931.	1.8	18
3119	Regulation of cell attachment, spreading, and migration by hydrogel substrates with independently tunable mesh size. Acta Biomaterialia, 2022, 141, 178-189.	4.1	14
3120	Towards an integrative understanding of cancer mechanobiology: calcium, YAP, and microRNA under biophysical forces. Soft Matter, 2022, 18, 1112-1148.	1.2	11
3121	Yes-associated protein reacts differently in vascular smooth muscle cells under different intensities of mechanical stretch. Aging, 2022, 14, 286-296.	1.4	5
3122	Scaffold geometry modulation of mechanotransduction and its influence on epigenetics. Acta Biomaterialia, 2023, 163, 259-274.	4.1	24
3123	A Topologically Engineered Gold Island for Programmed In Vivo Stem Cell Manipulation. Angewandte Chemie - International Edition, 2022, 61, .	7.2	10
3124	Matrix Stiffness Potentiates Stemness of Liver Cancer Stem Cells Possibly via the Yes-Associated Protein Signal. ACS Biomaterials Science and Engineering, 2022, 8, 598-609.	2.6	10
3125	Animal models and animal-free innovations for cardiovascular research: current status and routes to be explored. Consensus document of the ESC Working Group on Myocardial Function and the ESC Working Group on Cellular Biology of the Heart. Cardiovascular Research, 2022, 118, 3016-3051.	1.8	30
3126	Mechanical Feedback Control for Multicellular Tissue Size Maintenance: A Minireview. Frontiers in Cell and Developmental Biology, 2021, 9, 820391.	1.8	4
3127	Toward the inÂvitro understanding of iPSC nucleoskeletal and cytoskeletal biology, and their relevance for organoid development. , 2022, , 137-150.		0
3128	Matrix mechanics regulates epithelial defence against cancer by tuning dynamic localization of filamin. Nature Communications, 2022, 13, 218.	5.8	20
3129	MiR-320-3p Regulates the Proliferation and Differentiation of Myogenic Progenitor Cells by Modulating Actin Remodeling. International Journal of Molecular Sciences, 2022, 23, 801.	1.8	9
3130	Matrix Mechanotransduction via Yes-Associated Protein in Human Lamina Cribrosa Cells in Glaucoma. , 2022, 63, 16.		17

#	Article	IF	Citations
3131	Signaling by the tyrosine kinase Yes promotes liver cancer development. Science Signaling, 2022, 15, eabj4743.	1.6	7
3132	Reduced growth rate of aged muscle stem cells is associated with impaired mechanosensitivity. Aging, 2022, 14, 28-53.	1.4	8
3133	Mechano-active materials for musculoskeletal tissue engineering. , 2022, , 243-274.		0
3134	Mechanoregulation of Vascular Endothelial Growth Factor Receptor 2 in Angiogenesis. Frontiers in Cardiovascular Medicine, 2021, 8, 804934.	1.1	18
3135	Scaffold-Mediated Immunoengineering as Innovative Strategy for Tendon Regeneration. Cells, 2022, 11, 266.	1.8	13
3136	Role of Yes-associated protein (YAP) in regulation of mesenchymal stem cell tenogenic differentiation. Journal of Molecular Histology, 2022, 53, 273-283.	1.0	3
3137	A Review on the Design of Hydrogels With Different Stiffness and Their Effects on Tissue Repair. Frontiers in Bioengineering and Biotechnology, 2022, 10, 817391.	2.0	38
3138	Disruption of pancreatic stellate cell myofibroblast phenotype promotes pancreatic tumor invasion. Cell Reports, 2022, 38, 110227.	2.9	33
3139	The Galapagos Chip Platform for Highâ€Throughput Screening of Cell Adhesive Chemical Micropatterns. Small, 2022, 18, e2105704.	5.2	4
3140	Facile and Versatile Method for Micropatterning Poly(acrylamide) Hydrogels Using Photocleavable Comonomers. ACS Applied Materials & Interfaces, 2022, 14, 3643-3652.	4.0	10
3141	Hippo-Yap/Taz signalling in zebrafish regeneration. Npj Regenerative Medicine, 2022, 7, 9.	2.5	11
3142	Pharmacological regulation of tissue fibrosis by targeting the mechanical contraction of myofibroblasts. Fundamental Research, 2022, 2, 37-47.	1.6	2
3143	Characterization of transcript enrichment and detection bias in single-nucleus RNA-seq for mapping of distinct human adipocyte lineages. Genome Research, 2022, 32, 242-257.	2.4	39
3144	Controlling Morphology and Functions of Cardiac Organoids by Two-Dimensional Geometrical Templates. Cells Tissues Organs, 2023, 212, 64-73.	1.3	0
3145	Multifactorial Mechanism of Sarcopenia and Sarcopenic Obesity. Role of Physical Exercise, Microbiota and Myokines. Cells, 2022, 11, 160.	1.8	52
3146	Hippo signalling in the liver: role in development, regeneration and disease. Nature Reviews Gastroenterology and Hepatology, 2022, 19, 297-312.	8.2	64
3147	Mechanical Properties in the Glioma Microenvironment: Emerging Insights and Theranostic Opportunities. Frontiers in Oncology, 2021, 11, 805628.	1.3	12
3148	The Correlation between YAP and RhoA Expression in Prostate and Ovarian Tumor Stroma. Asian Pacific Journal of Cancer Prevention, 2022, 23, 281-285.	0.5	0

#	Article	IF	Citations
3149	A Topologically Engineered Gold Island for Programmed In Vivo Stem Cell Manipulation. Angewandte Chemie, 0, , .	1.6	0
3150	Mechanistically Coupled PK (MCPK) Model to Describe Enzyme Induction and Occupancy Dependent DDI of Dabrafenib Metabolism. Pharmaceutics, 2022, 14, 310.	2.0	1
3151	Impaired Sphingosine-1-Phosphate Synthesis Induces Preeclampsia by Deactivating Trophoblastic YAP (Yes-Associated Protein) Through S1PR2 (Sphingosine-1-Phosphate Receptor-2)-Induced Actin Polymerizations. Hypertension, 2022, 79, 399-412.	1.3	13
3152	RNA localization in confined cells depends on cellular mechanical activity and contributes to confined migration. IScience, 2022, 25, 103845.	1.9	4
3153	Bio-inspired liquid crystal gel with adjustable viscoelasticity to modulate cell behaviors and fate. Composites Part B: Engineering, 2022, 234, 109704.	5.9	11
3154	Protein kinase CÎ± activation switches YAP1 from TEADâ€mediated signaling to p73â€mediated signaling. Cancer Science, 2022, , .	1.7	5
3155	Leveraging cellular mechano-responsiveness for cancer therapy. Trends in Molecular Medicine, 2022, 28, 155-169.	3.5	8
3157	A biomimetic hydrogel culture system to facilitate cardiac reprogramming. STAR Protocols, 2022, 3, 101122.	0.5	3
3158	Anisotropic and robust hydrogels combined osteogenic and angiogenic activity as artificial periosteum. Composites Part B: Engineering, 2022, 233, 109627.	5.9	13
3159	SUFU Suppresses Ferroptosis Sensitivity in Breast Cancer Cells via Hippo/YAP Pathway. SSRN Electronic Journal, 0, , .	0.4	0
3160	Tuning mesenchymal stem cell secretome therapeutic potential through mechanotransduction. Biocell, 2022, 46, 1375-1381.	0.4	2
3161	Preservation of the naÃ¯ve features of mesenchymal stromal cells in vitro: Comparison of cell- and bone-derived decellularized extracellular matrix. Journal of Tissue Engineering, 2022, 13, 204173142210744.	2.3	8
3163	Urineâ€Microenvironmentâ€Initiated Composite Hydrogel Patch Reconfiguration Propels Scarless Memory Repair and Reinvigoration of the Urethra. Advanced Materials, 2022, 34, e2109522.	11.1	42
3166	The Hippo pathway in cancer: YAP/TAZ and TEAD as therapeutic targets in cancer. Clinical Science, 2022, 136, 197-222.	1.8	86
3167	Mechanically enhanced composite hydrogel scaffold for in situ bone repairs. Materials Science and Engineering C, 2022, 134, 112700.	3.8	15
3168	The role of the Hippo pathway in autophagy in the heart. Cardiovascular Research, 2023, 118, 3320-3330.	1.8	11
3169	Viscoelasticity, Like Forces, Plays a Role in Mechanotransduction. Frontiers in Cell and Developmental Biology, 2022, 10, 789841.	1.8	16
3170	Architectural control of mesenchymal stem cell phenotype through nuclear actin. Nucleus, 2022, 13, 35-48.	0.6	5

#	Article	IF	Citations
3171	Regulation of FGF-2, FGF-18 and Transcription Factor Activity by Perlecan in the Maturational Development of Transitional Rudiment and Growth Plate Cartilages and in the Maintenance of Permanent Cartilage Homeostasis. International Journal of Molecular Sciences, 2022, 23, 1934.	1.8	12
3172	YAP1 activation promotes epithelialâ€“mesenchymal transition and cell survival of renal cell carcinoma cells under shear stress. Carcinogenesis, 2022, 43, 301-310.	1.3	6
3173	FAK in Cancer: From Mechanisms to Therapeutic Strategies. International Journal of Molecular Sciences, 2022, 23, 1726.	1.8	61
3174	Anisotropic Hybrid Hydrogels Constructed via the Noncovalent Assembly for Biomimetic Tissue Scaffold. Advanced Functional Materials, 2022, 32, .	7.8	32
3175	Mechanosensitive molecular mechanisms of myocardial fibrosis in living myocardial slices. ESC Heart Failure, 2022, 9, 1400-1412.	1.4	15
3177	Mechanically Induced Nuclear Shuttling of Î²-Catenin Requires Co-transfer of Actin. Stem Cells, 2022, 40, 423-434.	1.4	7
3178	Twinfilin-1 is an essential regulator of myogenic differentiation through the modulation of YAP in C2C12 myoblasts. Biochemical and Biophysical Research Communications, 2022, 599, 17-23.	1.0	7
3179	Ciliary Hedgehog signaling patterns the digestive system to generate mechanical forces driving elongation. Nature Communications, 2021, 12, 7186.	5.8	11
3180	Liver cancer: the tumor microenvironment and associated pathways. , 2022, , 59-81.		0
3181	Hippo signaling in cardiac fibroblasts during development, tissue repair, and fibrosis. Current Topics in Developmental Biology, 2022, , 91-121.	1.0	4
3182	Cell adhesion molecule KIRREL1 is a feedback regulator of Hippo signaling recruiting SAV1 to cell-cell contact sites. Nature Communications, 2022, 13, 930.	5.8	12
3183	Myofibroblast YAP/TAZ activation is a key step in organ fibrogenesis. JCI Insight, 2022, 7, .	2.3	28
3184	In Vitro Cellular Strain Models of Tendon Biology and Tenogenic Differentiation. Frontiers in Bioengineering and Biotechnology, 2022, 10, 826748.	2.0	4
3185	Assays Used for Discovering Small Molecule Inhibitors of YAP Activity in Cancers. Cancers, 2022, 14, 1029.	1.7	1
3186	Effects of Mechanical Stress Stimulation on Function and Expression Mechanism of Osteoblasts. Frontiers in Bioengineering and Biotechnology, 2022, 10, 830722.	2.0	16
3187	The Effect of Geometry and TGFâ€Î² Signaling on Tumor Cell Migration from Freeâ€Standing Microtissues. Advanced Healthcare Materials, 2022, 11, e2102696.	3.9	3
3188	Mechanomimetic 3D Scaffolds as a Humanized In Vitro Model for Ovarian Cancer. Cells, 2022, 11, 824.	1.8	4
3189	Substrate stiffness regulates differentiation of induced pluripotent stem cells into heart valve endothelial cells. Acta Biomaterialia, 2022, 143, 115-126.	4.1	12

#	Article	IF	Citations
3190	Cells on Hydrogels with Micron-Scaled Stiffness Patterns Demonstrate Local Stiffness Sensing. Nanomaterials, 2022, 12, 648.	1.9	2
3191	Age-Related Downregulation of CCN2 Is Regulated by Cell Size in a YAP/TAZ-Dependent Manner in Human Dermal Fibroblasts: Impact on Dermal Aging. JID Innovations, 2022, 2, 100111.	1.2	5
3192	Cadherin 11-mediated juxtacrine interaction of gastric cancer cells and fibroblasts promotes metastasis via YAP/tenascin-C signaling. Science Bulletin, 2022, 67, 1026-1030.	4.3	5
3193	Hydrostatic Pressure Controls Angiogenesis Through Endothelial YAP1 During Lung Regeneration. Frontiers in Bioengineering and Biotechnology, 2022, 10, 823642.	2.0	3
3194	Transcriptional repression of estrogen receptor alpha by YAP reveals the Hippo pathway as therapeutic target for ER+ breast cancer. Nature Communications, 2022, 13, 1061.	5.8	55
3195	Soft Hydrogel Environments that Facilitate Cell Spreading and Aggregation Preferentially Support Chondrogenesis of Adult Stem Cells. Macromolecular Bioscience, 2022, 22, e2100365.	2.1	10
3196	Metabo-reciprocity in cell mechanics: feeling the demands/feeding the demand. Trends in Cell Biology, 2022, 32, 624-636.	3.6	11
3197	Mitochondrial fission links ECM mechanotransduction to metabolic redox homeostasis and metastatic chemotherapy resistance. Nature Cell Biology, 2022, 24, 168-180.	4.6	68
3198	Matrix Stiffness Contributes to Cancer Progression by Regulating Transcription Factors. Cancers, 2022, 14, 1049.	1.7	57
3199	Mechanotransduction Regulates the Interplays Between Alveolar Epithelial and Vascular Endothelial Cells in Lung. Frontiers in Physiology, 2022, 13, 818394.	1.3	13
3200	YAP/TAZ drives cell proliferation and tumour growth via a polyamineâ€“eIF5A hypusinationâ€“LSD1 axis. Nature Cell Biology, 2022, 24, 373-383.	4.6	26
3201	Mechanical regulation of bone remodeling. Bone Research, 2022, 10, 16.	5.4	134
3203	Pharmacological Perturbation of Mechanical Contractility Enables Robust Transdifferentiation of Human Fibroblasts into Neurons. Advanced Science, 2022, 9, e2104682.	5.6	7
3204	A Multisensory Network Drives Nuclear Mechanoadaptation. Biomolecules, 2022, 12, 404.	1.8	3
3205	MESH1 knockdown triggers proliferation arrest through TAZ repression. Cell Death and Disease, 2022, 13, 221.	2.7	6
3206	The Hippo Pathway Effectors YAP/TAZ Are Essential for Mineralized Tissue Homeostasis in the Alveolar Bone/Periodontal Complex. Journal of Developmental Biology, 2022, 10, 14.	0.9	7
3207	Mechanosensitive channel Piezo1 is required for pulmonary artery smooth muscle cell proliferation. American Journal of Physiology - Lung Cellular and Molecular Physiology, 2022, 322, L737-L760.	1.3	14
3208	Periodic Heat Stress Licenses EMSC Differentiation into Osteoblasts via YAP Signaling Pathway Activation. Stem Cells International, 2022, 2022, 1-14.	1.2	4

#	Article	IF	Citations
3209	Fibrous Structure and Stiffness of Designer Protein Hydrogels Synergize to Regulate Endothelial Differentiation of Bone Marrow Mesenchymal Stem Cells. Biomacromolecules, 2022, 23, 1777-1788.	2.6	7
3210	Some Insights into the Regulation of Cardiac Physiology and Pathology by the Hippo Pathway. Biomedicines, 2022, 10, 726.	1.4	3
3211	hnRNPL-activated circANKRD42 back-splicing and circANKRD42-mediated crosstalk of mechanical stiffness and biochemical signal in lung fibrosis. Molecular Therapy, 2022, 30, 2370-2387.	3.7	16
3212	Modelling the Collective Mechanical Regulation of the Structure and Morphology of Epithelial Cell Layers. Frontiers in Cell and Developmental Biology, 2022, 10, 767688.	1.8	3
3213	Integrin Regulated Autoimmune Disorders: Understanding the Role of Mechanical Force in Autoimmunity. Frontiers in Cell and Developmental Biology, 2022, 10, 852878.	1.8	3
3216	Biophysics Role and Biomimetic Culture Systems of ECM Stiffness in Cancer EMT. Global Challenges, 2022, 6, .	1.8	5
3217	Correlation of nuclear pIGF-1R/IGF-1R and YAP/TAZ in a tissue microarray with outcomes in osteosarcoma patients. Oncotarget, 2022, 13, 521-533.	0.8	4
3218	Promalignant effects of antiangiogenics in the tumor microenvironment. Seminars in Cancer Biology, 2022, 86, 199-206.	4.3	3
3219	Leveraging Substrate Stiffness to Promote Stem Cell Asymmetric Division via Mechanotransductionâ€“Polarity Protein Axis and Its Bayesian Regression Analysis. Rejuvenation Research, 2022, 25, 59-69.	0.9	3
3220	Forces in stem cells and cancer stem cells. Cells and Development, 2022, 170, 203776.	0.7	4
3221	Directed invasion of cancer cell spheroids inside 3D collagen matrices oriented by microfluidic flow in experiment and simulation. PLoS ONE, 2022, 17, e0264571.	1.1	5
3222	Fibrous stroma: Driver and passenger in cancer development. Science Signaling, 2022, 15, eabg3449.	1.6	15
3224	Poly-<scp>l</scp>-lysine/Laminin Surface Coating Reverses Glial Cell Mechanosensitivity on Stiffness-Patterned Hydrogels. ACS Applied Bio Materials, 2022, 5, 1552-1563.	2.3	3
3225	Ionizing radiation-induced long noncoding RNA CRYBG3 regulates YAP/TAZ through mechanotransduction. Cell Death and Disease, 2022, 13, 209.	2.7	8
3226	Extracellular Matrix Stiffness and TGFÎ²2 Regulate YAP/TAZ Activity in Human Trabecular Meshwork Cells. Frontiers in Cell and Developmental Biology, 2022, 10, 844342.	1.8	25
3227	Mechanical control of nuclear import by Importin-7 is regulated by its dominant cargo YAP. Nature Communications, 2022, 13, 1174.	5.8	32
3228	Bio-interactive nanoarchitectonics with two-dimensional materials and environments. Science and Technology of Advanced Materials, 2022, 23, 199-224.	2.8	37
3229	YAP Transcriptional Activity Dictates Cell Response to TNF In Vitro. Frontiers in Immunology, 2022, 13, 856247.	2.2	11

#	Article	IF	Citations
3231	Physiological and pathological roles of the Hippoâ€¥YAP/TAZ signaling pathway in liver formation, homeostasis, and tumorigenesis. Cancer Science, 2022, 113, 1900-1908.	1.7	17
3232	Mechanotransductive Mechanisms of Biomimetic Hydrogel Cues Modulating Meckel's Cartilage Degeneration. Advanced Biology, 2022, , 2101315.	1.4	1
3233	The role of Hippo pathway signaling and A-kinase anchoring protein 13 in primordial follicle activation and inhibition. F&S Science, 2022, 3, 118-129.	0.5	4
3234	Glaucoma â€“ â€˜A Stiff Eye in a Stiff Bodyâ€™. Current Eye Research, 2023, 48, 152-160.	0.7	7
3235	Endothelial Mechanosensors for Atheroprone and Atheroprotective Shear Stress Signals. Journal of Inflammation Research, 2022, Volume 15, 1771-1783.	1.6	9
3236	Sequestration of Intestinal Acidic Toxins by Cationic Resin Attenuates Pancreatic Cancer Progression through Promoting Autophagic Flux for YAP Degradation. Cancers, 2022, 14, 1407.	1.7	2
3237	Targeting extracellular matrix stiffness and mechanotransducers to improve cancer therapy. Journal of Hematology and Oncology, 2022, 15, 34.	6.9	117
3238	Analysis of Yes-Associated Protein-1 (YAP1) Target Gene Signature to Predict Progressive Breast Cancer. Journal of Clinical Medicine, 2022, 11, 1947.	1.0	2
3239	Modulating tenascin-C functions by targeting the MAtrix REgulating MOtif, â€œMAREMOâ€• Matrix Biology, 2022, 108, 20-38.	1.5	5
3240	An overview of the crosstalk between YAP and cGAS-STING signaling in non-small cell lung cancer: it takes two to tango. Clinical and Translational Oncology, 2022, 24, 1661-1672.	1.2	3
3241	Interplay between mechanics and signalling in regulating cell fate. Nature Reviews Molecular Cell Biology, 2022, 23, 465-480.	16.1	68
3242	Mechanical Control of Cell Differentiation: Insights from the Early Embryo. Annual Review of Biomedical Engineering, 2022, 24, 307-322.	5.7	8
3243	Biomaterial-induced pathway modulation for bone regeneration. Biomaterials, 2022, 283, 121431.	5.7	37
3244	Dimensionality-Dependent Mechanical Stretch Regulation of Cell Behavior. ACS Applied Materials & Interfaces, 2022, 14, 17081-17092.	4.0	8
3246	Targeting the IGF/PI3K/mTOR pathway and AXL/YAP1/TAZ pathways in primary bone cancer. Journal of Bone Oncology, 2022, 33, 100419.	1.0	12
3247	Screening for Inhibitors of YAP Nuclear Localization Identifies Aurora Kinase A as a Modulator of Lung Fibrosis. American Journal of Respiratory Cell and Molecular Biology, 2022, , .	1.4	6
3248	Lung fibrosis is a novel therapeutic target to suppress lung metastasis of osteosarcoma. International Journal of Cancer, 2022, 151, 739-751.	2.3	4
3249	ACTL6a coordinates axonal caliber recognition and myelination in the peripheral nerve. IScience, 2022, 25, 104132.	1.9	3

#	Article	IF	Citations
3250	Tibial cortex transverse transport accelerates wound healing via enhanced angiogenesis and immunomodulation. Bone and Joint Research, 2022, 11, 189-199.	1.3	13
3251	Disrupted Surfaces of Porous Membranes Reduce Nuclear YAP Localization and Enhance Adipogenesis through Morphological Changes. ACS Biomaterials Science and Engineering, 2022, 8, 1791-1798.	2.6	2
3252	YAP and TAZ in Vascular Smooth Muscle Confer Protection Against Hypertensive Vasculopathy. Arteriosclerosis, Thrombosis, and Vascular Biology, 2022, 42, 428-443.	1.1	13
3253	Partial exogastrulation due to apicalâ€"basal polarity of Fâ€actin distribution disruption in sea urchin embryo by omeprazole. Genes To Cells, 2022, 27, 392-408.	0.5	1
3254	Lose the stress: Viscoelastic materials for cell engineering. Acta Biomaterialia, 2023, 163, 146-157.	4.1	10
3255	The unfolding of the Hippo signaling pathway. Developmental Biology, 2022, 487, 1-9.	0.9	10
3256	TiO2 Nanotubes Promote Osteogenic Differentiation Through Regulation of Yap and Piezo1. Frontiers in Bioengineering and Biotechnology, 2022, 10, 872088.	2.0	11
3258	Increased matrix stiffness suppresses ATP-induced sustained Ca2+ influx in MDA-MB-231 breast cancer cells. Cell Calcium, 2022, 104, 102569.	1.1	6
3259	Junctional epithelium and hemidesmosomes: Tape and rivets for solving the â€œpercutaneous device dilemmaâ€•in dental and other permanent implants. Bioactive Materials, 2022, 18, 178-198.	8.6	19
3260	In Situ Cell Signalling of the Hippo-YAP/TAZ Pathway in Reaction to Complex Dynamic Loading in an Intervertebral Disc Organ Culture. International Journal of Molecular Sciences, 2021, 22, 13641.	1.8	7
3261	Genome-wide identification of microRNA targets reveals positive regulation of the Hippo pathway by miR-122 during liver development. Cell Death and Disease, 2021, 12, 1161.	2.7	7
3262	Impact of hydrogel stiffness on the induced neural stem cells modulation. Annals of Translational Medicine, 2021, 9, 1784-1784.	0.7	6
3263	BioProfiling.jl: profiling biological perturbations with high-content imaging in single cells and heterogeneous populations. Bioinformatics, 2022, 38, 1692-1699.	1.8	5
3264	Intestinal Stem Cell-on-Chip to Study Human Host-Microbiota Interaction. Frontiers in Immunology, 2021, 12, 798552.	2.2	17
3265	Current hydrogel advances in physicochemical and biological response-driven biomedical application diversity. Signal Transduction and Targeted Therapy, 2021, 6, 426.	7.1	274
3266	Mechanosignalling in cartilage: an emerging target for the treatment of osteoarthritis. Nature Reviews Rheumatology, 2022, 18, 67-84.	3.5	117
3267	YAP/TAZ: Key Players for Rheumatoid Arthritis Severity by Driving Fibroblast Like Synoviocytes Phenotype and Fibro-Inflammatory Response. Frontiers in Immunology, 2021, 12, 791907.	2.2	24
3268	Hippo Pathway in Regulating Drug Resistance of Glioblastoma. International Journal of Molecular Sciences, 2021, 22, 13431.	1.8	15

#	Article	IF	Citations
3269	Macrophage uptake of oxidized and acetylated low-density lipoproteins and generation of reactive oxygen species are regulated by linear stiffness of the growth surface. PLoS ONE, 2021, 16, e0260756.	1.1	8
3270	Tumor-Derived Extracellular Vesicles Induce Abnormal Angiogenesis via TRPV4 Downregulation and Subsequent Activation of YAP and VEGFR2. Frontiers in Bioengineering and Biotechnology, 2021, 9, 790489.	2.0	10
3271	Lamin A/C-Dependent Translocation of Megakaryoblastic Leukemia-1 and Î²-Catenin in Cyclic Strain-Induced Osteogenesis. Cells, 2021, 10, 3518.	1.8	0
3272	The YAP/TAZ Signaling Pathway in the Tumor Microenvironment and Carcinogenesis: Current Knowledge and Therapeutic Promises. International Journal of Molecular Sciences, 2022, 23, 430.	1.8	25
3274	Nuclear pore protein NUP210 depletion suppresses metastasis through heterochromatin-mediated disruption of tumor cell mechanical response. Nature Communications, 2021, 12, 7216.	5.8	19
3275	Molecular Classification and Therapeutic Targets in Ependymoma. Cancers, 2021, 13, 6218.	1.7	22
3276	Nanofiber curvature with Rho GTPase activity increases mouse embryonic fibroblast random migration velocity. Integrative Biology (United Kingdom), 2021, 13, 295-308.	0.6	3
3277	Adriamycin-Induced Podocyte Injury Disrupts the YAP-TEAD1 Axis and Downregulates Cyr61 and CTGF Expression. ACS Chemical Biology, 2022, 17, 3341-3351.	1.6	3
3278	Vascular Smooth Muscle Cells Mechanosensitive Regulators and Vascular Remodeling. Journal of Vascular Research, 2022, 59, 90-113.	0.6	26
3279	NUAK1 promotes organ fibrosis via YAP and TGF-Î²/SMAD signaling. Science Translational Medicine, 2022, 14, eaaz4028.	5.8	33
3280	Biologic mechanisms and consequences of pulmonary artery stiffening in pulmonary hypertension. , 2022, , 917-934.		0
3281	Extracellular matrixâ€“dependent mechanosensing and mechanotransduction. , 2022, , 101-127.		4
3282	TAZ/WWTR1 mediates liver mesothelialâ€“mesenchymal transition induced by stiff extracellular environment, TGFâ€Î²1, and lysophosphatidic acid. Journal of Cellular Physiology, 2022, , .	2.0	0
3283	Egr1 is a 3D matrixâ€“specific mediator of mechanosensitive stem cell lineage commitment. Science Advances, 2022, 8, eabm4646.	4.7	20
3284	Recurrent WWTR1<scp>S89W</scp> mutations and Hippo pathway deregulation in clear cell carcinomas of the cervix. Journal of Pathology, 2022, 257, 635-649.	2.1	2
3285	Mechanical Cues, E-Cadherin Expression and Cell â€œSocialityâ€•Are Crucial Crossroads in Determining Pancreatic Ductal Adenocarcinoma Cells Behavior. Cells, 2022, 11, 1318.	1.8	4
3286	Wide-range viscoelastic compression forces in microfluidics to probe cell-dependent nuclear structural and mechanobiological responses. Journal of the Royal Society Interface, 2022, 19, 20210880.	1.5	7
3287	SEMA6A/RhoA/YAP axis mediates tumor-stroma interactions and prevents response to dual BRAF/MEK inhibition in BRAF-mutant melanoma. Journal of Experimental and Clinical Cancer Research, 2022, 41, 148.	3.5	10

#	Article	IF	Citations
3288	Lamin A and the LINC complex act as potential tumor suppressors in Ewing Sarcoma. Cell Death and Disease, 2022, 13, 346.	2.7	7
3289	Modulating tumor physical microenvironment for fueling CAR-T cell therapy. Advanced Drug Delivery Reviews, 2022, 185, 114301.	6.6	28
3319	Functions and clinical significance of mechanical tumor microenvironment: cancer cell sensing, mechanobiology and metastasis. Cancer Communications, 2022, 42, 374-400.	3.7	21
3320	Construction of tissue-engineered human corneal endothelium for corneal endothelial regeneration using a crosslinked amniotic membrane scaffold. Acta Biomaterialia, 2022, 147, 185-197.	4.1	16
3321	The nuclear receptor THRB facilitates differentiation of human PSCs into more mature hepatocytes. Cell Stem Cell, 2022, 29, 795-809.e11.	5.2	5
3322	The role of cnidarian developmental biology in unraveling axis formation and Wnt signaling. Developmental Biology, 2022, 487, 74-98.	0.9	18
3323	Bioengineered Hierarchical Bonelike Compartmentalized Microconstructs Using Nanogrooved Microdiscs. ACS Applied Materials & Interfaces, 2022, 14, 19116-19128.	4.0	8
3324	Fusion protein-driven IGF-IR/PI3K/AKT signals deregulate Hippo pathway promoting oncogenic cooperation of YAP1 and FUS-DDIT3 in myxoid liposarcoma. Oncogenesis, 2022, 11, 20.	2.1	14
3325	Weight-bearing activity impairs nuclear membrane and genome integrity via YAP activation in plantar melanoma. Nature Communications, 2022, 13, 2214.	5.8	11
3326	Traditional Chinese medicine Yiqi Huoxue recipe attenuates hepatic fibrosis via YAP/TAZ signaling. Histology and Histopathology, 2021, , 18373.	0.5	1
3327	Positive Association of Matrix Proteins Alteration with TAZ and The Progression of High-Grade Bladder Cancer.. Cell Journal, 2021, 23, 742-749.	0.2	1
3328	Targeting-YAP/TAZ therapies for head and neck cancer, directly or indirectly?. Hua Xi Kou Qiang Yi Xue Za Zhi = Huaxi Kouqiang Yixue Zazhi = West China Journal of Stomatology, 2021, 39, 493-500.	0.1	0
3329	Mechanosensor YAP Cooperates with TGF-Î’1 Signaling to Promote Myofibroblast Differentiation and Matrix Stiffening in a 3d Model of Human Cardiac Fibrosis. SSRN Electronic Journal, 0, , .	0.4	0
3330	Novel Reactive Regeneration Chondrocytes Subpopulation with Microtubule Stabilization in Human Osteoarthritic Cartilage. SSRN Electronic Journal, 0, , .	0.4	0
3331	Secretion of IL1 by Dedifferentiated Melanoma Cells Inhibits JAK1-STAT3â€“Driven Actomyosin Contractility of Lymph Node Fibroblastic Reticular Cells. Cancer Research, 2022, 82, 1774-1788.	0.4	12
3333	Mechanotransduction: Exploring New Therapeutic Avenues in Central Nervous System Pathology. Frontiers in Neuroscience, 2022, 16, 861613.	1.4	10
3335	Mesenchymal stem cells and cancerâ€associated fibroblasts as a therapeutic strategy for breast cancer. British Journal of Pharmacology, 2024, 181, 238-256.	2.7	7
3336	YAP-dependent Wnt5a induction in hypertrophic adipocytes restrains adiposity. Cell Death and Disease, 2022, 13, 407.	2.7	4

#	Article	IF	Citations
3337	Hippo-Yap signaling in cardiac and fibrotic remodeling. Current Opinion in Physiology, 2022, 26, 100492.	0.9	3
3338	Regulation of Substrate Dissipation via Tunable Linear Elasticity Controls Cell Activity. Advanced Functional Materials, 2022, 32, .	7.8	7
3339	Mechanical tension mobilizes Lgr6 ⁺ epidermal stem cells to drive skin growth. Science Advances, 2022, 8, eabl8698.	4.7	11
3340	Matrix stiffness regulates macrophage polarization in atherosclerosis. Pharmacological Research, 2022, 179, 106236.	3.1	15
3341	Porous Scaffold-Hydrogel Composites Spatially Regulate 3D Cellular Mechanosensing. Frontiers in Medical Technology, 2022, 4, 884314.	1.3	2
3342	Physics of Brain Cancer: Multiscale Alterations of Glioblastoma Cells under Extracellular Matrix Stiffening. Pharmaceutics, 2022, 14, 1031.	2.0	16
3343	The transcription factor PREP1(PKNOX1) regulates nuclear stiffness, the expression of LINC complex proteins and mechanotransduction. Communications Biology, 2022, 5, 456.	2.0	3
3344	Epicardium-derived cells organize through tight junctions to replenish cardiac muscle in salamanders. Nature Cell Biology, 2022, 24, 645-658.	4.6	12
3345	Stiffness-responsive feedback autoregulation of DDR1 expression is mediated by a DDR1-YAP/TAZ axis. Matrix Biology, 2022, 110, 129-140.	1.5	11
3346	Engineering a Mechanoactive Fibrous Substrate with Enhanced Efficiency in Regulating Stem Cell Tenodifferentiation. ACS Applied Materials & Interfaces, 2022, 14, 23219-23231.	4.0	4
3347	Influenza A virus NS1 protein hijacks YAP/TAZ to suppress TLR3-mediated innate immune response. PLoS Pathogens, 2022, 18, e1010505.	2.1	6
3348	Enhancing CRISPR/Cas gene editing through modulating cellular mechanical properties for cancer therapy. Nature Nanotechnology, 2022, 17, 777-787.	15.6	80
3349	Exploring YAP1-centered networks linking dysfunctional CFTR to epithelialâ€“mesenchymal transition. Life Science Alliance, 2022, 5, e202101326.	1.3	6
3350	Reinforced Blood-Derived Protein Hydrogels Enable Dual-Level Regulation of Bio-Physiochemical Microenvironments for Personalized Bone Regeneration with Remarkable Enhanced Efficacy. Nano Letters, 2022, 22, 3904-3913.	4.5	16
3351	Targeting the tumor biophysical microenvironment to reduce resistance to immunotherapy. Advanced Drug Delivery Reviews, 2022, 186, 114319.	6.6	35
3352	Mechanical forces: The missing link between idiopathic pulmonary fibrosis and lung cancer. European Journal of Cell Biology, 2022, 101, 151234.	1.6	14
3353	Mechanosignaling in vertebrate development. Developmental Biology, 2022, 488, 54-67.	0.9	12
3354	The loop of phenotype: Dynamic reciprocity links tenocyte morphology to tendon tissue homeostasis. Acta Biomaterialia, 2023, 163, 275-286.	4.1	3

#	Article	IF	Citations
3355	Heterogeneous cancerâ€associated fibroblasts: A new perspective for understanding immunosuppression in pancreatic cancer. Immunology, 2022, 167, 1-14.	2.0	10
3356	Study on the effects of alternating capacitive electric fields with different frequencies on promoting wound healing. Medicine in Novel Technology and Devices, 2022, 16, 100142.	0.9	3
3357	Lens Fibrosis: Understanding the Dynamics of Cell Adhesion Signaling in Lens Epithelial-Mesenchymal Transition. Frontiers in Cell and Developmental Biology, 2022, 10, .	1.8	8
3358	Human induced mesenchymal stem cells display increased sensitivity to matrix stiffness. Scientific Reports, 2022, 12, 8483.	1.6	10
3359	Dysregulation of the Scribble/YAP/Î²â€catenin axis sustains the fibroinflammatory response in a PKHD1 ^{â^'/â^'} mouse model of congenital hepatic fibrosis. FASEB Journal, 2022, 36, e22364.	0.2	2
3360	Dysadherin awakens mechanical forces and promotes colorectal cancer progression. Theranostics, 2022, 12, 4399-4414.	4.6	1
3361	Functions of Yes-association protein (YAP) in cancer progression and anticancer therapy resistance. Brain Science Advances, 2022, 8, 1-18.	0.3	5
3362	Emerging Role of Mechanical Forces in Cell Fate Acquisition. Frontiers in Cell and Developmental Biology, 2022, 10, .	1.8	7
3363	Inner Nuclear Membrane Protein, SUN1, is Required for Cytoskeletal Force Generation and Focal Adhesion Maturation. Frontiers in Cell and Developmental Biology, 2022, 10, .	1.8	6
3364	Inflammation Modulates Intercellular Adhesion and Mechanotransduction in Human Epidermis via ROCK2. SSRN Electronic Journal, 0, , .	0.4	0
3365	Nuclear Pore Complexes Concentrate on Actin/LINC/Lamin Nuclear Lines in Response to Mechanical Stress in a SUN1 Dependent Manner. SSRN Electronic Journal, 0, , .	0.4	0
3367	YAP Inhibition by Verteporfin Causes Downregulation of Desmosomal Genes and Proteins Leading to the Disintegration of Intercellular Junctions. Life, 2022, 12, 792.	1.1	2
3368	Resistance Mechanisms of the Metastatic Tumor Microenvironment to Anti-Angiogenic Therapy. Frontiers in Oncology, 0, 12, .	1.3	4
3369	Anti-Cancer Effects of YAP Inhibitor (CA3) in Combination with Sorafenib against Hepatocellular Carcinoma (HCC) in Patient-Derived Multicellular Tumor Spheroid Models (MCTS). Cancers, 2022, 14, 2733.	1.7	7
3370	Hippo Signaling in the Ovary: Emerging Roles in Development, Fertility, and Disease. Endocrine Reviews, 2022, 43, 1074-1096.	8.9	19
3371	Upgrading a Consumer Stereolithographic 3D Printer to Produce a Physiologically Relevant Model with Human Liver Cancer Organoids. Advanced Materials Technologies, 2022, 7, .	3.0	7
3372	Long-term mechanical loading is required for the formation of 3D bioprinted functional osteocyte bone organoids. Biofabrication, 2022, 14, 035018.	3.7	17
3374	Mechanical regulation of chromatin and transcription. Nature Reviews Genetics, 2022, 23, 624-643.	7.7	64

#	Article	IF	Citations
3377	Mechanoautophagy: Synergies Between Autophagy and Cell Mechanotransduction at Adhesive Complexes. Frontiers in Cell and Developmental Biology, 2022, 10, .	1.8	7
3378	Pneumatic equiaxial compression device for mechanical manipulation of epithelial cell packing and physiology. PLoS ONE, 2022, 17, e0268570.	1.1	8
3379	Transcriptional regulation of cardiac fibroblast phenotypic plasticity. Current Opinion in Physiology, 2022, 28, 100556.	0.9	3
3380	The protein biosynthesis inhibitor vioprolide A evokes anti-angiogenic and pro-survival actions by targeting NOP14 and decreasing VEGF receptor 2- and TAZ-signaling. Biomedicine and Pharmacotherapy, 2022, 152, 113174.	2.5	3
3381	Integrin molecular tension required for focal adhesion maturation and YAP nuclear translocation. Biochemistry and Biophysics Reports, 2022, 31, 101287.	0.7	3
3382	Multicellular Aligned Bands Disrupt Global Collective Cell Behavior. SSRN Electronic Journal, 0, , .	0.4	0
3383	Mechanosensitive Piezo1 is crucial for periosteal stem cell-mediated fracture healing. International Journal of Biological Sciences, 2022, 18, 3961-3980.	2.6	23
3385	A Novel PHD2/VHL-mediated Regulation of YAP1 Contributes to VEGF Expression and Angiogenesis. Cancer Research Communications, 2022, 2, 624-638.	0.7	0
3386	SUFU suppresses ferroptosis sensitivity in breast cancer cells via Hippo/YAP pathway. IScience, 2022, 25, 104618.	1.9	15
3387	Constructing Nanoscale Topology on the Surface of Microfibers Inhibits Fibroblast Fibrosis. Advanced Fiber Materials, 2022, 4, 1219-1232.	7.9	9
3388	The interplay between noncoding RNA and YAP/TAZ signaling in cancers: molecular functions and mechanisms. Journal of Experimental and Clinical Cancer Research, 2022, 41, .	3.5	7
3390	The Hippo pathway drives the cellular response to hydrostatic pressure. EMBO Journal, 0, , .	3.5	7
3392	Asynchronous division at 4â€“8-cell stage of preimplantation embryos affects live birth through ICM/TE differentiation. Scientific Reports, 2022, 12, .	1.6	6
3393	Thy-1-Integrin Interactions in cis and Trans Mediate Distinctive Signaling. Frontiers in Cell and Developmental Biology, 0, 10, .	1.8	5
3394	The role of YAP1 in liver cancer stem cells: proven and potential mechanisms. Biomarker Research, 2022, 10, .	2.8	7
3395	Nephrin expression in human epidermal keratinocytes and its implication in poor wound closure. FASEB Journal, 2022, 36, .	0.2	2
3396	p66Shc in Cardiovascular Pathology. Cells, 2022, 11, 1855.	1.8	10
3397	Adipose cells and tissues soften with lipid accumulation while in diabetes adipose tissue stiffens. Scientific Reports, 2022, 12, .	1.6	13

#	Article	IF	Citations
3398	YAP/TAZ Promote Fibrotic Activity in Human Trabecular Meshwork Cells by Sensing Cytoskeleton Structure Alternation. Chemosensors, 2022, 10, 235.	1.8	2
3399	Modelling the Tumor Microenvironment: Recapitulating Nano- and Micro-Scale Properties that Regulate Tumor Progression. Frontiers in Cell and Developmental Biology, 0, 10, .	1.8	2
3400	Self-Sustained Regulation or Self-Perpetuating Dysregulation: ROS-dependent HIF-YAP-Notch Signaling as a Double-Edged Sword on Stem Cell Physiology and Tumorigenesis. Frontiers in Cell and Developmental Biology, 0, 10, .	1.8	4
3401	A role for nuclear stretching and NPCs changes in the cytoplasmic-nuclear trafficking of YAP: An experimental and numerical modelling approach. Materials Today Bio, 2022, 15, 100335.	2.6	1
3402	Molecular stiffness cues of an interpenetrating network hydrogel for cell adhesion. Materials Today Bio, 2022, 15, 100323.	2.6	1
3403	Mechanotransduction in Skin Inflammation. Cells, 2022, 11, 2026.	1.8	10
3405	O-GlcNAcylation: An Emerging Protein Modification Regulating the Hippo Pathway. Cancers, 2022, 14, 3013.	1.7	3
3407	Dystrophin missense mutations alter focal adhesion tension and mechanotransduction. Proceedings of the National Academy of Sciences of the United States of America, 2022, 119, .	3.3	12
3408	Mechanical force application to the nucleus regulates nucleocytoplasmic transport. Nature Cell Biology, 2022, 24, 896-905.	4.6	61
3409	Polyisocyanide hydrogels with tunable nonlinear elasticity mediate liver carcinoma cell functional response. Acta Biomaterialia, 2022, 148, 152-162.	4.1	6
3410	A modern view of the processes of mechanotransduction in healthy and damaged skin: review. HERALD of North-Western State Medical University Named After I I Mechnikov, 2022, 14, 17-30.	0.1	0
3411	Unraveling the Biology of Epithelioid Hemangioendothelioma, a TAZâ€“CAMTA1 Fusion Driven Sarcoma. Cancers, 2022, 14, 2980.	1.7	6
3412	CAR T Cell Locomotion in Solid Tumor Microenvironment. Cells, 2022, 11, 1974.	1.8	15
3413	Nuclear mechanoprotection: From tissue atlases as blueprints to distinctive regulation of nuclear lamins. APL Bioengineering, 2022, 6, .	3.3	8
3415	Fat body-derived Spz5 remotely facilitates tumor-suppressive cell competition through Toll-6-Î±-Spectrin axis-mediated Hippo activation. Cell Reports, 2022, 39, 110980.	2.9	2
3416	Insight Into Rho Kinase Isoforms in Obesity and Energy Homeostasis. Frontiers in Endocrinology, 0, 13, .	1.5	5
3417	Designing a dual-function skin-stretching device with 3D printing for mechanotransduction analysis and scar prevention: A preliminary study. Materials and Design, 2022, 220, 110862.	3.3	2
3418	Advances in hydrogels for stem cell therapy: regulation mechanisms and tissue engineering applications. Journal of Materials Chemistry B, 2022, 10, 5520-5536.	2.9	9

#	Article	IF	Citations
3419	Fluid Shear Stress Facilitates Prostate Cancer Metastasis Through Piezo1-Src-YAP Axis. SSRN Electronic Journal, 0, , .	0.4	0
3420	CLP36 promotes p53 deficient sarcoma progression through suppression of atrophin-1 interacting protein-4 (AIP-4)-dependent degradation of YAP1. Theranostics, 2022, 12, 5051-5068.	4.6	0
3421	Downregulation of CDC42 inhibits the proliferation and stemness of human trophoblast stem cell via EZRIN/YAP inactivation. Cell and Tissue Research, 0, , .	1.5	3
3422	Soft substrate maintains stemness and pluripotent stem cell-like phenotype of human embryonic stem cells under defined culture conditions. Cytotechnology, 2022, 74, 479-489.	0.7	3
3424	Kank1 Is Essential for Myogenic Differentiation by Regulating Actin Remodeling and Cell Proliferation in C2C12 Progenitor Cells. Cells, 2022, 11, 2030.	1.8	7
3425	The Extracellular Matrix Stiffening: A Trigger of Prostate Cancer Progression and Castration Resistance?. Cancers, 2022, 14, 2887.	1.7	13
3426	Optimization of TEAD P-Site Binding Fragment Hit into In Vivo Active Lead MSC-4106. Journal of Medicinal Chemistry, 2022, 65, 9206-9229.	2.9	15
3428	The Synergistic Effect of Cyclic Tensile Force and Periodontal Ligament Cell-Laden Calcium Silicate/Gelatin Methacrylate Auxetic Hydrogel Scaffolds for Bone Regeneration. Cells, 2022, 11, 2069.	1.8	14
3429	Strategies for Regenerative Vascular Tissue Engineering. Advanced Biology, 2023, 7, .	1.4	4
3431	Reduction of Cardiac Fibrosis by Interference With YAP-Dependent Transactivation. Circulation Research, 2022, 131, 239-257.	2.0	26
3432	THY1-mediated mechanisms converge to drive YAP activation in skin homeostasis and repair. Nature Cell Biology, 2022, 24, 1049-1063.	4.6	12
3433	CD146 increases stemness and aggressiveness in glioblastoma and activates YAP signaling. Cellular and Molecular Life Sciences, 2022, 79, .	2.4	9
3434	Suppression of heparan sulfation re-sensitizes YAP1-driven melanoma to MAPK pathway inhibitors. Oncogene, 2022, 41, 3953-3968.	2.6	4
3435	Force-Bioreactor for Assessing Pharmacological Therapies for Mechanobiological Targets. Frontiers in Bioengineering and Biotechnology, 0, 10, .	2.0	1
3437	Clinical potential of the Hippo-YAP pathway in bladder cancer. Frontiers in Oncology, 0, 12, .	1.3	3
3438	Single-cell atlas of keratoconus corneas revealed aberrant transcriptional signatures and implicated mechanical stretch as a trigger for keratoconus pathogenesis. Cell Discovery, 2022, 8, .	3.1	21
3439	Vascular Endothelial Growth Factor Receptor-1 Modulates Hypoxia-Mediated Endothelial Senescence and Cellular Membrane Stiffness via YAP-1 Pathways. Frontiers in Cell and Developmental Biology, 0, 10, .	1.8	2
3441	Cell mediated remodeling of stiffness matched collagen and fibrin scaffolds. Scientific Reports, 2022, 12, .	1.6	5

#	Article	IF	Citations
3442	Metallic Scaffold with Micron-Scale Geometrical Cues Promotes Osteogenesis and Angiogenesis via the ROCK/Myosin/YAP Pathway. ACS Biomaterials Science and Engineering, 2022, 8, 3498-3514.	2.6	5
3443	Matrix stiffness regulates the immunomodulatory effects of mesenchymal stem cells on macrophages via AP1/TSG-6 signaling pathways. Acta Biomaterialia, 2022, 149, 69-81.	4.1	12
3444	The effect of AKT in extracellular matrix stiffness induced osteogenic differentiation of hBMSCs. Cellular Signalling, 2022, 99, 110404.	1.7	6
3445	The Paradox of Nuclear Lamins in Pathologies: Apparently Controversial Roles Explained by Tissue-Specific Mechanobiology. Cells, 2022, 11, 2194.	1.8	3
3446	Anisotropy profoundly alters stress fields within contractile cells and cell aggregates. Biomechanics and Modeling in Mechanobiology, 2022, 21, 1357-1370.	1.4	1
3447	Regulation of cellular communication network factor 1 by Ras homolog family member A in bovine steroidogenic luteal cells. Journal of Animal Science, 2022, 100, .	0.2	2
3449	Pin1/<scp>YAP</scp> pathway mediates matrix stiffnessâ€induced epithelialâ€“mesenchymal transition driving cervical cancer metastasis via a <scp>nonâ€Hippo</scp> mechanism. Bioengineering and Translational Medicine, 2023, 8, .	3.9	4
3450	Cellular forceâ€sensing through actin filaments. FEBS Journal, 2023, 290, 2576-2589.	2.2	8
3451	YAP and TAZ: Monocorial and bicorial transcriptional co-activators in human cancers. Biochimica Et Biophysica Acta: Reviews on Cancer, 2022, 1877, 188756.	3.3	9
3452	Technological advances in ocular trabecular meshwork in vitro models for glaucoma research. Biotechnology and Bioengineering, 2022, 119, 2698-2714.	1.7	6
3453	Optimization of Mechanosensitive Cross-Talk between Matrix Stiffness and Protein Density: Independent Matrix Properties Regulate Spreading Dynamics of Myocytes. Cells, 2022, 11, 2122.	1.8	1
3454	Sculpting Ruptureâ€Free Nuclear Shapes in Fibrous Environments. Advanced Science, 2022, 9, .	5.6	14
3455	Importance of the Microenvironment and Mechanosensing in Adipose Tissue Biology. Cells, 2022, 11, 2310.	1.8	12
3456	The progress of pluripotent stem cell-derived pancreatic Î²-cells regeneration for diabetic therapy. Frontiers in Endocrinology, 0, 13, .	1.5	5
3457	Mechanical Compression by Simulating Orthodontic Tooth Movement in an In Vitro Model Modulates Phosphorylation of AKT and MAPKs via TLR4 in Human Periodontal Ligament Cells. International Journal of Molecular Sciences, 2022, 23, 8062.	1.8	7
3458	Combined role for YAP-TEAD and YAP-RUNX2 signalling in substrate-stiffness regulation of cardiac fibroblast proliferation. Biochimica Et Biophysica Acta - Molecular Cell Research, 2022, 1869, 119329.	1.9	13
3459	YAP signaling is involved in WDR1-regulated proliferation and migration of non-small-cell lung cancer cells. Experimental Biology and Medicine, 2022, 247, 1619-1629.	1.1	2
3460	Decoding YAP dependent transcription in the liver. Nucleic Acids Research, 2022, 50, 7959-7971.	6.5	9

#	Article	IF	Citations
3461	TRPM7 restrains plasmin activity and promotes transforming growth factor-Î²1 signaling in primary human lung fibroblasts. Archives of Toxicology, 2022, 96, 2767-2783.	1.9	7
3463	Mechanoregulation of Metastasis beyond the Matrix. Cancer Research, 2022, 82, 3409-3419.	0.4	6
3464	Engineering Hydrogels for Modulation of Materialâ€€Cell Interactions. Macromolecular Bioscience, 2022, 22, .	2.1	4
3465	Leveraging Multi-Material Bioprinting to Examine the Effect of Architecture on Mesenchymal Stem Cell-Laden Constructsâ€™ Tissue Integration within an Ex Vivo Osteochondral Explant Model. SSRN Electronic Journal, 0, , .	0.4	0
3466	Smoke-induced SAV1 Gene Promoter Hypermethylation Disrupts YAP Negative Feedback and Promotes Malignant Progression of Non-small Cell Lung Cancer. International Journal of Biological Sciences, 2022, 18, 4497-4512.	2.6	1
3467	Craniofacial sutures: Signaling centres integrating mechanosensation, cell signaling, and cell differentiation. European Journal of Cell Biology, 2022, 101, 151258.	1.6	4
3468	Molecular Alterations in Malignant Pleural Mesothelioma: A Hope for Effective Treatment by Targeting YAP. Targeted Oncology, 2022, 17, 407-431.	1.7	8
3470	Submicron Topographically Patterned 3D Substrates Enhance Directional Axon Outgrowth of Dorsal Root Ganglia Cultured Ex Vivo. Biomolecules, 2022, 12, 1059.	1.8	1
3471	Automatic Multi-functional Integration Program (AMFIP) towards all-optical mechano-electrophysiology interrogation. PLoS ONE, 2022, 17, e0266098.	1.1	2
3472	The regulation of yes-associated protein/transcriptional coactivator with PDZ-binding motif and their roles in vascular endothelium. Frontiers in Cardiovascular Medicine, 0, 9, .	1.1	1
3473	Effect of viscoelastic properties of cellulose nanocrystal/collagen hydrogels on chondrocyte behaviors. Frontiers in Bioengineering and Biotechnology, 0, 10, .	2.0	5
3474	Microenvironmental sensing by fibroblasts controls macrophage population size. Proceedings of the National Academy of Sciences of the United States of America, 2022, 119, .	3.3	28
3475	Hippoâ€YAP signaling activation and crossâ€talk with PI3K in oral cancer: A retrospective cohort study. Oral Diseases, 0, , .	1.5	1
3476	Targeting the Hippo/<scp>YAP</scp>/<scp>TAZ</scp> signalling pathway: Novel opportunities for therapeutic interventions into skin cancers. Experimental Dermatology, 2022, 31, 1477-1499.	1.4	6
3477	YAP9/A20 complex suppresses proinflammatory responses and provides novel anti-inflammatory therapeutic potentials. Frontiers in Immunology, 0, 13, .	2.2	0
3479	Role of RhoA and Rho-associated kinase in phenotypic switching of vascular smooth muscle cells: Implications for vascular function. Atherosclerosis, 2022, 358, 12-28.	0.4	19
3480	The skeleton in a physical world. Experimental Biology and Medicine, 2022, 247, 2213-2222.	1.1	1
3481	Pressure and curvature control of the cell cycle in epithelia growing under spherical confinement. Cell Reports, 2022, 40, 111227.	2.9	14

#	Article	IF	Citations
3482	Mechanical regulation of signal transduction in angiogenesis. Frontiers in Cell and Developmental Biology, 0, 10, .	1.8	13
3483	Mechanical Stretch Induced Skin Regeneration: Molecular and Cellular Mechanism in Skin Soft Tissue Expansion. International Journal of Molecular Sciences, 2022, 23, 9622.	1.8	11
3484	How do the Local Physical, Biochemical, and Mechanical Properties of an Injectable Synthetic Anisotropic Hydrogel Affect Oriented Nerve Growth?. Advanced Functional Materials, 2022, 32, .	7.8	14
3486	Biomimetic Hydrogels in the Study of Cancer Mechanobiology: Overview, Biomedical Applications, and Future Perspectives. Gels, 2022, 8, 496.	2.1	4
3487	Radiation therapy affects YAP expression and intracellular localization by modulating lamin A/C levels in breast cancer. Frontiers in Bioengineering and Biotechnology, 0, 10, .	2.0	3
3489	Mechanical Force Directs Proliferation and Differentiation of Stem Cells. Tissue Engineering - Part B: Reviews, 2023, 29, 141-150.	2.5	6
3490	Tuning immunity through tissue mechanotransduction. Nature Reviews Immunology, 2023, 23, 174-188.	10.6	62
3491	The steep uphill path leading to ex vivo gene therapy for genodermatoses. American Journal of Physiology - Cell Physiology, 2022, 323, C896-C906.	2.1	4
3493	Cyclic tensile strain-induced yes-associated protein activity modulates the response of human periodontal ligament mesenchymal stromal cells to tumor necrosis factor-Î±. Archives of Oral Biology, 2022, 143, 105527.	0.8	1
3494	The role of matrix stiffness in cancer stromal cell fate and targeting therapeutic strategies. Acta Biomaterialia, 2022, 150, 34-47.	4.1	11
3495	Cell Architecture-Dependent Constraints: Critical Safeguards to Carcinogenesis. International Journal of Molecular Sciences, 2022, 23, 8622.	1.8	1
3496	Polycystin-2 mediates mechanical tension-induced osteogenic differentiation of human adipose-derived stem cells by activating transcriptional co-activator with PDZ-binding motif. Frontiers in Physiology, 0, 13, .	1.3	1
3497	Biomimetic virus-based soft niche for ischemic diseases. Biomaterials, 2022, 288, 121747.	5.7	8
3498	The Hippo-YAP pathway in various cardiovascular diseases: Focusing on the inflammatory response. Frontiers in Immunology, 0, 13, .	2.2	9
3499	BNIPâ€2 Activation of Cellular Contractility Inactivates YAP for H9c2 Cardiomyoblast Differentiation. Advanced Science, 0, , 2202834.	5.6	3
3500	Mechanosensation mediates volume adaptation of cardiac cells and spheroids in 3D. Materials Today Bio, 2022, 16, 100391.	2.6	4
3501	Mechanoimmunology: Are inflammatory epigenetic states of macrophages tuned by biophysical factors?. APL Bioengineering, 2022, 6, .	3.3	4
3502	Scribble and Î±-Catenin cooperatively regulate epithelial homeostasis and growth. Frontiers in Cell and Developmental Biology, 0, 10, .	1.8	1

#	Article	IF	Citations
3503	Plectin linkages are mechanosensitive and required for the nuclear piston mechanism of three-dimensional cell migration. Molecular Biology of the Cell, 2022, 33, .	0.9	3
3504	Sulphur dioxide and fluoride co-exposure induce incisor hypomineralization and amelogenin upregulation via YAP/RUNX2 signaling pathway. Ecotoxicology and Environmental Safety, 2022, 245, 114106.	2.9	3
3505	Circular RNAs play roles in regulatory networks of cell signaling pathways in human cancers. Life Sciences, 2022, 309, 120975.	2.0	7
3506	Fluid shear stress facilitates prostate cancer metastasis through Piezo1-Src-YAP axis. Life Sciences, 2022, 308, 120936.	2.0	17
3507	Unraveling the actin cytoskeleton in the malignant transformation of cholangiocyte biology. Translational Oncology, 2022, 26, 101531.	1.7	0
3508	Extracellular matrix stiffness regulates degradation of MST2 via SCF Î²TrCP. Biochimica Et Biophysica Acta - General Subjects, 2022, 1866, 130238.	1.1	5
3509	On the Molecular Basis of Cellular Mechanobiology. Biomaterials Science Series, 2022, , 21-43.	0.1	0
3510	Anoikis, 2022. , 2022, , .		0
3511	Adipogenesis or osteogenesis: destiny decision made by mechanical properties of biomaterials. RSC Advances, 2022, 12, 24501-24510.	1.7	10
3512	Static and photoresponsive dynamic materials to dissect physical regulation of cellular functions. Biomaterials Science, 2022, 10, 6116-6134.	2.6	1
3513	Interplay among cell migration, shaping, and traction force on a matrix with cell-scale stiffness heterogeneity. Biophysics and Physicobiology, 2022, 19, n/a.	0.5	0
3514	An Introduction to Material-based Mechanobiology. Biomaterials Science Series, 2022, , 1-20.	0.1	1
3515	The Hippo pathway and its correlation with acute kidney injury. Zoological Research, 2022, 43, 897-910.	0.9	3
3516	The Hippo Pathway. , 2022, , .		0
3517	Quantification of mechanical stimuli inducing nucleoplasmic translocation of YAP and its distribution mechanism using an AFMâ€“dSTORM coupled technique. Nanoscale, 2022, 14, 15516-15524.	2.8	2
3518	The Effects of Taraxasterol on Liver Fibrosis Revealed by RNA Sequencing. SSRN Electronic Journal, 0, , .	0.4	0
3519	Dynamic photoelectrical regulation of ECM protein and cellular behaviors. Bioactive Materials, 2023, 22, 168-179.	8.6	5
3520	Transmembrane protein KIRREL1 regulates Hippo signaling via a feedback loop and represents a therapeutic target in YAP/TAZ-active cancers. Cell Reports, 2022, 40, 111296.	2.9	9

#	Article	IF	Citations
3521	Mechano-Sensing Channel PIEZO2 Enhances Invasive Phenotype in Triple-Negative Breast Cancer. International Journal of Molecular Sciences, 2022, 23, 9909.	1.8	8
3522	Mechanosensor YAP cooperates with TGF-Î²1 signaling to promote myofibroblast activation and matrix stiffening in a 3D model of human cardiac fibrosis. Acta Biomaterialia, 2022, 152, 300-312.	4.1	13
3523	Integrins in Ovarian Cancer: Survival Pathways, Malignant Ascites and Targeted Photochemistry. , 0, , .		0
3524	Engineered bone cement trigger bone defect regeneration. Frontiers in Materials, 0, 9, .	1.2	2
3525	Inhibition of YAP/TAZ-TEAD activity induces cytotrophoblast differentiation into syncytiotrophoblast in human trophoblast. Molecular Human Reproduction, 2022, 28, .	1.3	3
3527	TROP2 Represents a Negative Prognostic Factor in Colorectal Adenocarcinoma and Its Expression Is Associated with Features of Epithelialâ€“Mesenchymal Transition and Invasiveness. Cancers, 2022, 14, 4137.	1.7	5
3530	Integrating Genetic Alterations and the Hippo Pathway in Head and Neck Squamous Cell Carcinoma for Future Precision Medicine. Journal of Personalized Medicine, 2022, 12, 1544.	1.1	2
3531	Stairways to Advanced Therapies for Epidermolysis Bullosa. Cold Spring Harbor Perspectives in Biology, 2023, 15, a041229.	2.3	3
3532	Interfacial friction and substrate deformation mediate long-range signal propagation in tissues. Biomechanics and Modeling in Mechanobiology, 2022, 21, 1511-1530.	1.4	6
3533	Mechanosensitive expression of the mesenchymal subtype marker connective tissue growth factor in glioblastoma. Scientific Reports, 2022, 12, .	1.6	4
3534	Chiral Hydrogel Accelerates Reâ€Epithelization in Chronic Wounds via Mechanoregulation. Advanced Healthcare Materials, 2022, 11, .	3.9	20
3536	Plant Tissue Parenchyma and Vascular Bundles Selectively Regulate Stem Cell Mechanosensing and Differentiation. Cellular and Molecular Bioengineering, 2022, 15, 439-450.	1.0	3
3537	LATS1/2 control TGFB-directed epithelial-to-mesenchymal transition in the murine dorsal cranial neuroepithelium through YAP regulation. Development (Cambridge), 2022, 149, .	1.2	3
3538	Integrated PPI- and WGCNA-retrieval of hub gene signatures for soft substrates inhibition of human fibroblasts proliferation and differentiation. Aging, 2022, 14, 6957-6974.	1.4	1
3539	APE1 redox function is required for activation of Yes-associated protein 1 under reflux conditions in Barrettâ€™s-associated esophageal adenocarcinomas. Journal of Experimental and Clinical Cancer Research, 2022, 41, .	3.5	8
3540	Mechanotransduction through adhesion molecules: Emerging roles in regulating the stem cell niche. Frontiers in Cell and Developmental Biology, 0, 10, .	1.8	2
3541	Effects of Exercise or Mechanical Stimulation on Bone Development and Bone Repair. Stem Cells International, 2022, 2022, 1-10.	1.2	4
3542	Engineering Strategies to Move from Understanding to Steering Renal Tubulogenesis. Tissue Engineering - Part B: Reviews, 2023, 29, 203-216.	2.5	2

#	Article	IF	Citations
3543	MYPT1-PP1Î² phosphatase negatively regulates both chromatin landscape and co-activator recruitment for beige adipogenesis. Nature Communications, 2022, 13, .	5.8	3
3544	Global phosphoproteomic profiling of skeletal muscle in ovarian hormone-deficient mice. Physiological Genomics, 2022, 54, 417-432.	1.0	9
3545	ARHGAPâ€“RhoA signaling provokes homotypic adhesion-triggered cell death of metastasized diffuse-type gastric cancer. Oncogene, 2022, 41, 4779-4794.	2.6	4
3546	Inâ€depth proteomic analysis reveals unique subtypeâ€specific signatures in human smallâ€cell lung cancer. Clinical and Translational Medicine, 2022, 12, .	1.7	9
3547	Mammalian organ regeneration in spiny mice. Journal of Muscle Research and Cell Motility, 0, , .	0.9	2
3549	A-type lamins involvement in transport and implications in cancer?. Nucleus, 2022, 13, 223-237.	0.6	1
3552	The Role of Myofibroblasts in Physiological and Pathological Tissue Repair. Cold Spring Harbor Perspectives in Biology, 2023, 15, a041231.	2.3	31
3554	Mechanotransduction in the pathogenesis of non-alcoholic fatty liver disease. Journal of Hepatology, 2022, 77, 1642-1656.	1.8	13
3555	Effect of microtopography on osseointegration of implantable biomaterials and its modification strategies. Frontiers in Bioengineering and Biotechnology, 0, 10, .	2.0	8
3557	Nucleus size and its effect on nucleosome stability in living cells. Biophysical Journal, 2022, 121, 4189-4204.	0.2	2
3558	R-spondin/YAP axis promotes gastric oxyntic gland regeneration and Helicobacter pyloriâ€“associated metaplasia in mice. Journal of Clinical Investigation, 2022, 132, .	3.9	12
3559	Zyxin and actin structure confer anisotropic YAP mechanotransduction. Acta Biomaterialia, 2022, 152, 313-320.	4.1	5
3560	Viscoelastic Notch Signaling Hydrogel Induces Liver Bile Duct Organoid Growth and Morphogenesis. Advanced Healthcare Materials, 2022, 11, .	3.9	9
3561	Pathophysiological mechanism of acute bone loss after fracture. Journal of Advanced Research, 2023, 49, 63-80.	4.4	6
3563	The role of RAS oncogenes in controlling epithelial mechanics. Trends in Cell Biology, 2023, 33, 60-69.	3.6	10
3564	Targeting Tumor Physical Microenvironment for Improved Radiotherapy. Small Methods, 2022, 6, .	4.6	5
3565	Cellular therapy and tissue engineering for cartilage repair. Osteoarthritis and Cartilage, 2022, 30, 1547-1560.	0.6	17
3566	Capicua suppresses YAP1 to limit tumorigenesis and maintain drug sensitivity in human cancer. Cell Reports, 2022, 41, 111443.	2.9	4

#	Article	IF	Citations
3567	Mechanotransduction in high aspect ratio nanostructured meta-biomaterials: The role of cell adhesion, contractility, and transcriptional factors. Materials Today Bio, 2022, 16, 100448.	2.6	6
3568	Modulation of the extracellular matrix by Streptococcus gallolyticus subsp. gallolyticus and importance in cell proliferation. PLoS Pathogens, 2022, 18, e1010894.	2.1	3
3569	Directed Conformational Switching of a Zinc Finger Analogue Regulates the Mechanosensing and Differentiation of Stem Cells. Angewandte Chemie, 0, , .	1.6	0
3571	Intermittent compressive force regulates human periodontal ligament cell behavior via yes-associated protein. Heliyon, 2022, 8, e10845.	1.4	4
3573	Piezo1 act as a potential oncogene in pancreatic cancer progression. Life Sciences, 2022, 310, 121035.	2.0	4
3574	Directed Conformational Switching of a Zinc Finger Analogue Regulates the Mechanosensing and Differentiation of Stem Cells. Angewandte Chemie - International Edition, 2022, 61, .	7.2	1
3575	Role of fibroblasts in wound healing and tissue remodeling on Earth and in space. Frontiers in Bioengineering and Biotechnology, 0, 10, .	2.0	28
3576	Vascular stiffening and endothelial dysfunction in atherosclerosis. Current Opinion in Lipidology, 2022, 33, 353-363.	1.2	13
3577	YAP, a novel target regulates F-actin rearrangement-associated CAFs transformation and promotes colorectal cancer cell progression. Biomedicine and Pharmacotherapy, 2022, 155, 113757.	2.5	3
3578	Inhibition of TRPC6 suppressed TGFÎ²-induced fibroblast-myofibroblast transdifferentiation in renal interstitial NRK-49F cells. Experimental Cell Research, 2022, 421, 113374.	1.2	4
3579	Mechanobiology and Applications in Biomaterials for Soft Tissue Repair and Regeneration. , 2022, , .		0
3580	Yap1 modulates cardiomyocyte hypertrophy via impaired mitochondrial biogenesis in response to chronic mechanical stress overload. Theranostics, 2022, 12, 7009-7031.	4.6	5
3581	Fluid shear stress promotes periodontal ligament cells proliferation via p38-AMOT-YAP. Cellular and Molecular Life Sciences, 2022, 79, .	2.4	4
3582	Magneticallyâ€Assisted 3D Bioprinting of Anisotropic Tissueâ€Mimetic Constructs. Advanced Functional Materials, 2022, 32, .	7.8	24
3583	Engineering bio-inks for 3D bioprinting cell mechanical microenvironment. International Journal of Bioprinting, 2022, 9, 632.	1.7	9
3584	The Hippo pathway links adipocyte plasticity to adipose tissue fibrosis. Nature Communications, 2022, 13, .	5.8	21
3585	Caldesmon controls stress fiber force-balance through dynamic cross-linking of myosin II and actin-tropomyosin filaments. Nature Communications, 2022, 13, .	5.8	8
3586	Correlation of Yes-Associated Protein 1 with Stroma Type and Tumor Stiffness in Hormone-Receptor Positive Breast Cancer. Cancers, 2022, 14, 4971.	1.7	4

#	Article	IF	Citations
3587	Volume adaptation of neonatal cardiomyocyte spheroids in <scp>3D</scp> stiffness gradient <scp>GelMA</scp>. Journal of Biomedical Materials Research - Part A, 2023, 111, 801-813.	2.1	3
3589	Multicellular aligned bands disrupt global collective cell behavior. Acta Biomaterialia, 2023, 163, 117-130.	4.1	4
3590	<scp>YAP1</scp> mediates initial cell survival during lorlatinib treatment via <scp>AKT</scp> signaling in <scp>ROS1</scp> â€rearranged lung cancer. Cancer Science, 0, , .	1.7	3
3591	After the Storm: Regeneration, Repair, and Reestablishment of Homeostasis Between the Alveolar Epithelium and Innate Immune System Following Viral Lung Injury. Annual Review of Pathology: Mechanisms of Disease, 2023, 18, 337-359.	9.6	4
3592	Yap and Taz promote osteogenesis and prevent chondrogenesis in neural crest cells in vitro and in vivo. Science Signaling, 2022, 15, .	1.6	13
3595	Lateral confined growth of cells activates Lef1 dependent pathways to regulate cell-state transitions. Scientific Reports, 2022, 12, .	1.6	3
3596	The CaT stretcher: An open-source system for delivering uniaxial strain to cells and tissues (CaT). Frontiers in Bioengineering and Biotechnology, 0, 10, .	2.0	2
3597	Mechanotransduction in skin wound healing and scar formation: Potential therapeutic targets for controlling hypertrophic scarring. Frontiers in Immunology, 0, 13, .	2.2	14
3598	Sulforaphane inhibits CD44v6/YAP1/TEAD signaling to suppress the cancer phenotype. Molecular Carcinogenesis, 2023, 62, 236-248.	1.3	1
3599	Myotubularin functions through actomyosin to interact with the Hippo pathway. EMBO Reports, 0, , .	2.0	1
3600	Reciprocal regulation of actin filaments and cellular metabolism. European Journal of Cell Biology, 2022, 101, 151281.	1.6	3
3601	Single Cell in a Gravity Field. Life, 2022, 12, 1601.	1.1	4
3602	TNS1: Emerging Insights into Its Domain Function, Biological Roles, and Tumors. Biology, 2022, 11, 1571.	1.3	6
3603	Mechanical stretching boosts expansion and regeneration of intestinal organoids through fueling stem cell self-renewal. Cell Regeneration, 2022, 11, .	1.1	12
3604	Early committed polarization of intracellular tension in response to cell shape determines the osteogenic differentiation of mesenchymal stromal cells. Acta Biomaterialia, 2022, , .	4.1	1
3605	Nuclear transport of STAT6 determines the matrix rigidity dependent M2 activation of macrophages. Biomaterials, 2022, 290, 121859.	5.7	6
3606	Effect of mechanical forces on cellular response to radiation. Radiotherapy and Oncology, 2022, 176, 187-198.	0.3	2
3607	Extracellular fluid viscosity enhances cell migration and cancer dissemination. Nature, 2022, 611, 365-373.	13.7	94

#	Article	IF	Citations
3608	SCF-SKP2 E3 ubiquitin ligase links mTORC1/ER stress/ISR with YAP activation in murine renal cystogenesis. Journal of Clinical Investigation, 2022, 132, .	3.9	2
3609	MSCs vs. iPSCs: Potential in therapeutic applications. Frontiers in Cell and Developmental Biology, 0, 10, .	1.8	16
3610	Substrate stiffness engineered to replicate disease conditions influence senescence and fibrotic responses in primary lung fibroblasts. Frontiers in Pharmacology, 0, 13, .	1.6	7
3611	Endothelial mechanosensing: A forgotten target to treat vascular remodeling in hypertension?. Biochemical Pharmacology, 2022, 206, 115290.	2.0	2
3612	Role of smooth muscle YAP and TAZ in protection against phenotypic modulation, inflammation, and aneurysm development. Biochemical Pharmacology, 2022, 206, 115307.	2.0	5
3613	The LINC Complex Assists the Nuclear Import of Mechanosensitive Transcriptional Regulators. Results and Problems in Cell Differentiation, 2022, , 315-337.	0.2	2
3614	The effect of multi-material architecture on the ex vivo osteochondral integration of bioprinted constructs. Acta Biomaterialia, 2023, 155, 99-112.	4.1	9
3615	Programmable integrin and N-cadherin adhesive interactions modulate mechanosensing of mesenchymal stem cells by cofilin phosphorylation. Nature Communications, 2022, 13, .	5.8	18
3616	Using the Bleomycin-Induced Model of Fibrosis to Study the Contribution of CCN Proteins to Scleroderma Fibrosis. Methods in Molecular Biology, 2023, , 309-321.	0.4	0
3617	YAP activation inhibits inflammatory signalling and cartilage breakdown associated with reduced primary cilia expression. Osteoarthritis and Cartilage, 2023, 31, 600-612.	0.6	3
3618	Decellularized Spinach Biomaterials Support Physiologically Relevant Mechanical Cyclic Strain and Prompt a Stretch-Induced Cellular Response. ACS Applied Bio Materials, 2022, 5, 5682-5692.	2.3	2
3619	Extracellular-matrix mechanics regulate cellular metabolism: A ninja warrior behind mechano-chemo signaling crosstalk. Reviews in Endocrine and Metabolic Disorders, 2023, 24, 207-220.	2.6	8
3620	YAP promotes cell-autonomous immune responses to tackle intracellular Staphylococcus aureus in vitro. Nature Communications, 2022, 13, .	5.8	5
3622	Self-assembly of mesoscale collagen architectures and applications in 3D cell migration. Acta Biomaterialia, 2023, 155, 167-181.	4.1	7
3623	Novel strategy to improve hepatocyte differentiation stability through synchronized behaviorâ€driven mechanical memory of iPSCs. Biotechnology and Bioengineering, 2023, 120, 593-607.	1.7	2
3624	Modifiable and Non-Modifiable Predictors of Dupuytrenâ€™s Disease. Personalized Psychiatry and Neurology, 2022, 2, 47-56.	0.2	0
3625	The Hippo signalling pathway and its implications in human health and diseases. Signal Transduction and Targeted Therapy, 2022, 7, .	7.1	73
3626	Chloroquine induces transitory attenuation of proliferation of human lung cancer cells through regulation of mutant P53 and YAP. Molecular Biology Reports, 0, , .	1.0	0

#	Article	IF	Citations
3627	Crystal Growth of 3D Poly(Îµâ€caprolactone) Based Bone Scaffolds and Its Effects on the Physical Properties and Cellular Interactions. Advanced Science, 2023, 10, .	5.6	5
3628	Crosstalk between the Hippo Pathway and the Wnt Pathway in Huntingtonâ€™s Disease and Other Neurodegenerative Disorders. Cells, 2022, 11, 3631.	1.8	10
3629	YAP/TAZ Mediate TGFÎ²2-Induced Schlemm's Canal Cell Dysfunction. , 2022, 63, 15.		6
3630	Curved Nanofiber Network Induces Cellular Bridge Formation to Promote Stem Cell Mechanotransduction. Advanced Science, 2023, 10, .	5.6	19
3631	The Regulation of the Hippo Pathway by Intercellular Junction Proteins. Life, 2022, 12, 1792.	1.1	3
3632	Hydrogels for Salivary Gland Tissue Engineering. Gels, 2022, 8, 730.	2.1	2
3634	ADAMTS6 cleaves the large latent TGFÎ² complex and increases the mechanotension of cells to activate TGFÎ². Matrix Biology, 2022, 114, 18-34.	1.5	5
3635	Hippo signaling instructs ectopic but not normal organ growth. Science, 2022, 378, .	6.0	30
3639	â€œIn medio stat virtusâ€: Insights into hybrid E/M phenotype attitudes. Frontiers in Cell and Developmental Biology, 0, 10, .	1.8	6
3640	Surface Engineering of Auxetic Scaffolds for Neural and Vascular Differentiation from Human Pluripotent Stem Cells. Advanced Healthcare Materials, 2023, 12, .	3.9	2
3641	The effects of taraxasterol on liver fibrosis revealed by RNA sequencing. International Immunopharmacology, 2023, 114, 109481.	1.7	0
3642	Immediate stress dissipation in dual cross-link hydrogels controls osteogenic commitment of mesenchymal stem cells. Carbohydrate Polymers, 2023, 302, 120369.	5.1	3
3643	Silica nanoparticles suppressed the spermatogenesis via downregulation of miR-450b-3p by targeting Layilin in spermatocyte of mouse. Environmental Pollution, 2023, 318, 120864.	3.7	3
3644	Matrix Stiffness-Induced Transcriptome Alterations and Regulatory Mechanisms Revealed by RNA-Seq in Endothelial Cells. Journal of Biomaterials and Nanobiotechnology, 2022, 13, 61-79.	1.0	0
3645	Chapter 4. Mimicking Mechanical Features of the Tumor Microenvironment. Biomaterials Science Series, 2022, , 60-96.	0.1	0
3646	Structure-based discovery of a novel small-molecule inhibitor of TEAD palmitoylation with anticancer activity. Frontiers in Oncology, 0, 12, .	1.3	5
3647	Epithelial and stromal co-evolution and complicity in pancreatic cancer. Nature Reviews Cancer, 2023, 23, 57-77.	12.8	27
3648	The mechanical regulation of RNA binding protein hnRNPC in the failing heart. Science Translational Medicine, 2022, 14, .	5.8	6

#	Article	IF	Citations
3649	Molecular mechanisms of exercise contributing to tissue regeneration. Signal Transduction and Targeted Therapy, 2022, 7, .	7.1	24
3652	Collagen type I-mediated mechanotransduction controls epithelial cell fate conversion during intestinal inflammation. Inflammation and Regeneration, 2022, 42, .	1.5	6
3653	Primary cilia: The central role in the electromagnetic field induced bone healing. Frontiers in Pharmacology, 0, 13, .	1.6	0
3654	Inactivation of LATS1/2 drives luminal-basal plasticity to initiate basal-like mammary carcinomas. Nature Communications, 2022, 13, .	5.8	5
3655	Microâ€Topographies Induce Epigenetic Reprogramming and Quiescence in Human Mesenchymal Stem Cells. Advanced Science, 2023, 10, .	5.6	4
3656	Keratocytes migrate against flow with a roly-poly-like mechanism. Proceedings of the National Academy of Sciences of the United States of America, 2022, 119, .	3.3	1
3657	Role of YAP as a Mechanosensing Molecule in Stem Cells and Stem Cell-Derived Hematopoietic Cells. International Journal of Molecular Sciences, 2022, 23, 14634.	1.8	4
3658	Creb5 coordinates synovial joint formation with the genesis of articular cartilage. Nature Communications, 2022, 13, .	5.8	4
3659	Micromechanical property mismatch between pericellular and extracellular matrices regulates stem cell articular and hypertrophic chondrogenesis. Matter, 2023, 6, 475-492.	5.0	2
3661	Discoidin domain receptor 2 regulates aberrant mesenchymal lineage cell fate and matrix organization. Science Advances, 2022, 8, .	4.7	9
3662	YAP/TAZ as master regulators in cancer: modulation, function and therapeutic approaches. Nature Cancer, 0, , .	5.7	10
3663	Evidence of the static magnetic field effects on bone-related diseases and bone cells. Progress in Biophysics and Molecular Biology, 2023, 177, 168-180.	1.4	5
3664	Genome Editing and Cardiac Regeneration. Advances in Experimental Medicine and Biology, 2023, , 37-52.	0.8	0
3665	Laser-Structured Si and PLGA Inhibit the Neuro2a Differentiation in Mono- and Co-Culture with Glia. Tissue Engineering and Regenerative Medicine, 2023, 20, 111-125.	1.6	4
3666	Caveolin-1 dolines form a distinct and rapid caveolae-independent mechanoadaptation system. Nature Cell Biology, 2023, 25, 120-133.	4.6	15
3667	Mechanisms underlying divergent relationships between Ca²⁺ and YAP/TAZ signalling. Journal of Physiology, 2023, 601, 483-515.	1.3	1
3668	Digital twin demonstrates significance of biomechanical growth control in liver regeneration after partial hepatectomy. IScience, 2023, 26, 105714.	1.9	6
3669	Selfâ€Forming Norborneneâ€Tetrazine Hydrogels with Independently Tunable Properties. Macromolecular Bioscience, 2023, 23, .	2.1	2

#	Article	IF	Citations
3670	Functional expression of oxytocin receptors in pulp-dentin complex. Biomaterials, 2023, 293, 121977.	5.7	4
3672	Liquid-Liquid Phase Separation of DDR1 Counteracts the Hippo Pathway to Orchestrate Arterial Stiffening. Circulation Research, 2023, 132, 87-105.	2.0	10
3673	Nuclear pore complexes concentrate on Actin/LINC/Lamin nuclear lines in response to mechanical stress in a SUN1 dependent manner. Heliyon, 2022, 8, e12147.	1.4	4
3674	Engineered hydrogels for mechanobiology. Nature Reviews Methods Primers, 2022, 2, .	11.8	37
3675	Analysis of disordered abrasive scratches on titanium surfaces and their impact on nuclear translocation of yes-associated protein. Scientific Reports, 2022, 12, .	1.6	0
3676	Deterministic Single Cell Encapsulation in Asymmetric Microenvironments to Direct Cell Polarity. Advanced Science, 2023, 10, .	5.6	6
3677	Mechanotransduction regulates inflammation responses of epicardial adipocytes in cardiovascular diseases. Frontiers in Endocrinology, 0, 13, .	1.5	2
3678	Suppressed Migration and Enhanced Cisplatin Chemosensitivity in Human Cancer Cell Lines by Tuning the Molecular Mobility of Supramolecular Biomaterials. Macromolecular Bioscience, 0, , 2200438.	2.1	1
3679	Mesothelioma cancer cells are glutamine addicted and glutamine restriction reduces YAP1 signaling to attenuate tumor formation. Molecular Carcinogenesis, 2023, 62, 438-449.	1.3	3
3680	Squeezing the eggs to grow: The mechanobiology of mammalian folliculogenesis. Frontiers in Cell and Developmental Biology, 0, 10, .	1.8	10
3681	Yap governs a lineage-specific neuregulin1 pathway-driven adaptive resistance to RAF kinase inhibitors. Molecular Cancer, 2022, 21, .	7.9	9
3682	Atomic Force Microscopy Cantilever-Based Nanoindentation: Mechanical Property Measurements at the Nanoscale in Air and Fluid. Journal of Visualized Experiments, 2022, , .	0.2	1
3683	Recent Advances in Brain Organoid Technology for Human Brain Research. ACS Applied Materials & Interfaces, 2023, 15, 200-219.	4.0	6
3684	Nanoenabled Trainable Systems: From Biointerfaces to Biomimetics. ACS Nano, 2022, 16, 19651-19664.	7.3	5
3685	3D-printed HAp bone regeneration scaffolds enable nano-scale manipulation of cellular mechanotransduction signals. Chemical Engineering Journal, 2023, 455, 140699.	6.6	15
3687	The Role of Extracellular Matrix and Hydrogels in Mesenchymal Stem Cell Chondrogenesis and Cartilage Regeneration. Life, 2022, 12, 2066.	1.1	2
3688	Regulation of Kinase Signaling Pathways by Î±6Î²4-Integrins and Plectin in Prostate Cancer. Cancers, 2023, 15, 149.	1.7	3
3689	Heterogeneous matrix stiffness regulates the cancer stem-like cell phenotype in hepatocellular carcinoma. Journal of Translational Medicine, 2022, 20, .	1.8	9

#	Article	IF	Citations
3690	The Stiffnessâ€Sensitive Transcriptome of Human Tendon Stromal Cells. Advanced Healthcare Materials, 2023, 12, .	3.9	3
3692	Mesenchymal cells in the Lung: Evolving concepts and their role in fibrosis. Gene, 2023, 859, 147142.	1.0	6
3693	Extracellular signal-Regulated Kinase 5 (ERK5) is required for the Yes-associated protein (YAP) co-transcriptional activity. Cell Death and Disease, 2023, 14, .	2.7	2
3694	Regulators, functions, and mechanotransduction pathways of matrix stiffness in hepatic disease. Frontiers in Physiology, 0, 14, .	1.3	2
3696	Actomyosin-mediated cellular tension promotes Yap nuclear translocation and myocardial proliferation through Î±5 integrin signaling. Development (Cambridge), 2023, 150, .	1.2	2
3697	The role of Hippo pathway in ferroptosis. Frontiers in Oncology, 0, 12, .	1.3	3
3698	<scp>HERC3</scp> promotes <scp>YAP</scp>/<scp>TAZ</scp> stability and tumorigenesis independently of its ubiquitin ligase activity. EMBO Journal, 2023, 42, .	3.5	9
3699	Vascular mechanotransduction. Physiological Reviews, 2023, 103, 1247-1421.	13.1	36
3700	Yes-Associated Protein and Transcriptional Coactivator with PDZ-Binding Motif in Cardiovascular Diseases. International Journal of Molecular Sciences, 2023, 24, 1666.	1.8	2
3701	Zyxin regulates embryonic stem cell fate by modulating mechanical and biochemical signaling interface. Communications Biology, 2023, 6, .	2.0	5
3702	Targeting integrin pathways: mechanisms and advances in therapy. Signal Transduction and Targeted Therapy, 2023, 8, .	7.1	95
3703	Extrafibrillarly Demineralized Dentin Matrix for Bone Regeneration. Advanced Healthcare Materials, 2023, 12, .	3.9	2
3704	Loss of CDKN2A Cooperates with WWTR1(TAZ)â€“CAMTA1 Gene Fusion to Promote Tumor Progression in Epithelioid Hemangioendothelioma. Clinical Cancer Research, 2023, 29, 2480-2493.	3.2	7
3706	Hippo pathway dysregulation in gastric cancer: from Helicobacter pylori infection to tumor promotion and progression. Cell Death and Disease, 2023, 14, .	2.7	16
3708	Progress of Microfluidic Hydrogelâ€Based Scaffolds and Organâ€onâ€Chips for the Cartilage Tissue Engineering. Advanced Materials, 2023, 35, .	11.1	26
3709	Hippo-YAP/TAZ signaling in osteogenesis and macrophage polarization: Therapeutic implications in bone defect repair. Genes and Diseases, 2023, 10, 2528-2539.	1.5	2
3711	Editorâ€™s Pick: Systemic Sclerosis: The Role of YAP/TAZ in Disease Pathogenesis. European Medical Journal (Chelmsford, England), 0, , 47-56.	3.0	0
3713	Role of mechano-sensitive non-coding RNAs in bone remodeling of orthodontic tooth movement: recent advances. Progress in Orthodontics, 2022, 23, .	1.3	4

#	Article	IF	Citations
3714	Periodontal Ligament-Mimetic Fibrous Scaffolds Regulate YAP-Associated Fibroblast Behaviors and Promote Regeneration of Periodontal Defect in Relation to the Scaffold Topography. ACS Applied Materials & Interfaces, 2023, 15, 599-616.	4.0	4
3715	Cancer-Associated Fibroblast Heterogeneity, Activation and Function: Implications for Prostate Cancer. Biomolecules, 2023, 13, 67.	1.8	12
3716	Aortic Stress Activates an Adaptive Program in Thoracic Aortic Smooth Muscle Cells That Maintains Aortic Strength and Protects Against Aneurysm and Dissection in Mice. Arteriosclerosis, Thrombosis, and Vascular Biology, 2023, 43, 234-252.	1.1	5
3718	Perspectives for novel therapeutic concepts in hepatocellular carcinoma targeting the stromal and innate immune microenvironment. Liver Cancer International, 0, , .	0.2	0
3719	Microtubule stabilization promotes the synthesis of type 2 collagen in nucleus pulposus cell by activating hippo-yap pathway. Frontiers in Pharmacology, 0, 14, .	1.6	1
3720	The role of glycans in the mechanobiology of cancer. Journal of Biological Chemistry, 2023, 299, 102935.	1.6	2
3721	Nonâ€Contact Microfluidic Analysis of the Stiffness of Single Large Extracellular Vesicles from IDH1â€Mutated Glioblastoma Cells. Advanced Materials Technologies, 2023, 8, .	3.0	2
3722	Mesenchymal Stem Cells Sense the Toughness of Nanomaterials and Interfaces. Advanced Healthcare Materials, 2023, 12, .	3.9	7
3724	Substrate stiffness controls proinflammatory responses in human gingival fibroblasts. Scientific Reports, 2023, 13, .	1.6	6
3725	YAP-mediated mechanotransduction in urinary bladder remodeling: Based on RNA-seq and CUT&Tag. Frontiers in Genetics, 0, 14, .	1.1	1
3726	Dissecting Physical and Biochemical Effects in Nanotopographical Regulation of Cell Behavior. ACS Nano, 2023, 17, 2124-2133.	7.3	10
3728	Cell response to mechanical microenvironment cues via Rho signaling: From mechanobiology to mechanomedicine. Acta Biomaterialia, 2023, 159, 1-20.	4.1	16
3729	Insights into the Molecular Mechanisms Regulating Cell Behavior in Response to Magnetic Materials and Magnetic Stimulation in Stem Cell (Neurogenic) Differentiation. International Journal of Molecular Sciences, 2023, 24, 2028.	1.8	6
3730	Mechanosensitive Ion Channels and Their Role in Cancer Cells. Membranes, 2023, 13, 167.	1.4	8
3731	3D Culturing of Stem Cells: An Emerging Technique for Advancing Fundamental Research in Regenerative Medicine. Biochemistry, 0, , .	0.8	1
3733	Physical Sciences in Cancer: Recent Advances and Insights at the Interface. Current Cancer Research, 2023, , 301-328.	0.2	0
3734	Mechanotransduction in tumor dynamics modeling. Physics of Life Reviews, 2023, 44, 279-301.	1.5	9
3736	Tunable Mesoscopic Collagen Island Architectures Modulate Stem Cell Behavior. Advanced Materials, 2023, 35, .	11.1	6

#	Article	IF	Citations
3737	Stiffnessâ€Tunable Hydrogelâ€Sandwich Culture Modulates the YAPâ€Mediated Mechanoresponse in Inducedâ€Pluripotent Stem Cell Embryoid Bodies and Augments Cardiomyocyte Differentiation. Macromolecular Bioscience, 2023, 23, .	2.1	2
3738	Identification of Filamin A Mechanobinding Partner III: SAV1 Specifically Interacts with Filamin A Mechanosensitive Domain 21. Biochemistry, 2023, 62, 1197-1208.	1.2	1
3739	The surface ectoderm exhibits spatially heterogenous tension that correlates with YAP localisation during spinal neural tube closure in mouse embryos. Cells and Development, 2023, 174, 203840.	0.7	2
3740	Endothelial FAT1 inhibits angiogenesis by controlling YAP/TAZ protein degradation via E3 ligase MIB2. Nature Communications, 2023, 14, .	5.8	4
3741	Molecular Mobility of Polyrotaxane Surfaces Alleviates Oxidative Stressâ€Induced Senescence in Mesenchymal Stem Cells. Macromolecular Bioscience, 0, , .	2.1	0
3742	Targeting Hippo pathway: A novel strategy for Helicobacter pylori-induced gastric cancer treatment. Biomedicine and Pharmacotherapy, 2023, 161, 114549.	2.5	5
3743	Development of direct cardiac reprogramming for clinical applications. Journal of Molecular and Cellular Cardiology, 2023, 178, 1-8.	0.9	2
3744	Tumor-associated macrophages induce inflammation and drug resistance in a mechanically tunable engineered model of osteosarcoma. Biomaterials, 2023, 296, 122076.	5.7	4
3745	Mitochondria transfer reverses the inhibitory effects of low stiffness on osteogenic differentiation of human mesenchymal stem cells. European Journal of Cell Biology, 2023, 102, 151297.	1.6	4
3746	Impact of baculoviral transduction of fluorescent actin on cellular forces. European Journal of Cell Biology, 2023, 102, 151294.	1.6	2
3747	Biophysical cues to improve the immunomodulatory capacity of mesenchymal stem cells: The progress and mechanisms. Biomedicine and Pharmacotherapy, 2023, 162, 114655.	2.5	3
3748	Matrix stiffness regulates osteoclast fate through integrin-dependent mechanotransduction. Bioactive Materials, 2023, 27, 138-153.	8.6	2
3749	Synergistic Effect of Magneto-Mechanical Bioengineered Stem Cells and Magnetic Field to Alleviate Osteoporosis. ACS Applied Materials & Interfaces, 2023, 15, 19976-19988.	4.0	2
3750	YAP1 is essential for self-organized differentiation of pluripotent stem cells. , 2023, 146, 213308.		2
3751	Actin crosslinking by Î±-actinin averts viscous dissipation of myosin force transmission in stress fibers. IScience, 2023, 26, 106090.	1.9	0
3752	Substrate stiffness induces nuclear localization of myosin regulatory light chain to suppress apoptosis. FEBS Letters, 2023, 597, 643-656.	1.3	0
3753	Tunable nano-engineered anisotropic surface for enhanced mechanotransduction and soft-tissue integration. Nano Research, 0, , .	5.8	3
3754	Substrate Stiffness Regulates the Proliferation and Apoptosis of Periodontal Ligament Cells through Integrin-Linked Kinase ILK. ACS Biomaterials Science and Engineering, 2023, 9, 662-670.	2.6	1

#	Article	IF	Citations
3755	Junctional integrity and directional mobility of lymphatic endothelial cell monolayers are disrupted by saturated fatty acids. Molecular Biology of the Cell, 2023, 34, .	0.9	1
3756	YAP/TAZ activation predicts clinical outcomes in mesothelioma and is conserved in in vitro model of driver mutations. Clinical and Translational Medicine, 2023, 13, .	1.7	1
3757	Mechanically conditioned multilayered angle-ply collagen scaffolds promote annulus fibrosus regeneration. Applied Materials Today, 2023, 31, 101751.	2.3	0
3759	VGLL3 is a mechanosensitive protein that promotes cardiac fibrosis through liquidâ€“liquid phase separation. Nature Communications, 2023, 14, .	5.8	10
3760	The oncogenic roles and clinical implications of YAP/TAZ in breast cancer. British Journal of Cancer, 2023, 128, 1611-1624.	2.9	13
3761	TRIM40 is a pathogenic driver of inflammatory bowel disease subverting intestinal barrier integrity. Nature Communications, 2023, 14, .	5.8	7
3762	Stiffness-Modulation of Collagen Gels by Genipin-Crosslinking for Cell Culture. Gels, 2023, 9, 148.	2.1	3
3763	Altered Mesenchymal Stem Cells Mechanotransduction from Oxidized Collagen: Morphological and Biophysical Observations. International Journal of Molecular Sciences, 2023, 24, 3635.	1.8	0
3764	Functionalized Cortical Boneâ€Inspired Composites Adapt to the Mechanical and Biological Properties of the Edentulous Area to Resist Fretting Wear. Advanced Science, 2023, 10, .	5.6	3
3765	The mechanobiology of NK cells- â€˜Forcing NK to Senseâ€™ target cells. Biochimica Et Biophysica Acta: Reviews on Cancer, 2023, 1878, 188860.	3.3	2
3766	Inflammation modulates intercellular adhesion and mechanotransduction in human epidermis via ROCK2. IScience, 2023, 26, 106195.	1.9	0
3767	How cells sense and integrate information from different sources. WIREs Mechanisms of Disease, 2023, 15, .	1.5	2
3768	Mechanobiological implications of age-related remodelling in the outer retina. , 2023, 147, 213343.		1
3769	Soft, strong, tough, and durable protein-based fiber hydrogels. Proceedings of the National Academy of Sciences of the United States of America, 2023, 120, .	3.3	5
3770	Inhomogeneous mechanotransduction defines the spatial pattern of apoptosis-induced compensatory proliferation. Developmental Cell, 2023, 58, 267-277.e5.	3.1	9
3771	Mechanobiological Adaptation to Hyperosmolarity Enhances Barrier Function in Human Vascular Microphysiological System. Advanced Science, 2023, 10, .	5.6	4
3773	The factory, the antenna and the scaffold: the three-way interplay between the Golgi, cilium and extracellular matrix underlying tissue function. Biology Open, 2023, 12, .	0.6	0
3775	Extended preconditioning on soft matrices directs human mesenchymal stem cell fate via YAP transcriptional activity and chromatin organization. APL Bioengineering, 2023, 7, .	3.3	3

#	Article	IF	Citations
3776	Snake venom-defined fibrin architecture dictates fibroblast survival and differentiation. Nature Communications, 2023, 14, .	5.8	2
3777	Precision Hydrogels for the Study of Cancer Cell Mechanobiology. Advanced Healthcare Materials, 2023, 12, .	3.9	7
3779	Hydrogel mechanics regulate fibroblast DNA methylation and chromatin condensation. Biomaterials Science, 2023, 11, 2886-2897.	2.6	3
3780	Chlamydia trachomatis induces the transcriptional activity of host YAP in a Hippo-independent fashion. Frontiers in Cellular and Infection Microbiology, 0, 13, .	1.8	5
3781	Cellâ€“extracellular matrix mechanotransduction in 3D. Nature Reviews Molecular Cell Biology, 2023, 24, 495-516.	16.1	72
3783	KIBRA upregulation increases susceptibility to podocyte injury and glomerular disease progression. JCI Insight, 2023, 8, .	2.3	2
3784	Controlling the Stem Cell Environment Via Conducting Polymer Hydrogels to Enhance Therapeutic Potential. Advanced Materials Technologies, 2023, 8, .	3.0	3
3785	Osteoimmunology in Periodontitis and Orthodontic Tooth Movement. Current Osteoporosis Reports, 2023, 21, 128-146.	1.5	7
3786	Transient inhibition of meniscus cell migration following acute inflammatory challenge. Journal of Orthopaedic Research, 2023, 41, 2055-2064.	1.2	1
3787	Biophysical forces mediated by respiration maintain lung alveolar epithelial cell fate. Cell, 2023, 186, 1478-1492.e15.	13.5	28
3788	Cancerâ€associated fibroblasts: Is it a key to an intricate lock of tumorigenesis?. Cell Biology International, 2023, 47, 859-893.	1.4	3
3789	Nuclear mechanosignaling in striated muscle diseases. Frontiers in Physiology, 0, 14, .	1.3	0
3790	Development of a programmable magnetic agitation device to maintain colloidal suspension of cells during microfluidic syringe pump perfusion. PLoS ONE, 2023, 18, e0282563.	1.1	2
3791	Extracellular matrix stiffnessâ€”The central cue for skin fibrosis. Frontiers in Molecular Biosciences, 0, 10, .	1.6	5
3792	Surface roughness modulates EGFR signaling and stemness of triple-negative breast cancer cells. Frontiers in Cell and Developmental Biology, 0, 11, .	1.8	1
3795	Roles for Integrin Î±3Î²1 in Development and Disease. Biology of Extracellular Matrix, 2023, , 27-95.	0.3	0
3796	Phosphorylationâ€linked complex profiling identifies assemblies required for Hippo signal integration. Molecular Systems Biology, 2023, 19, .	3.2	3
3797	Quantitative Image Analysis of Fibrillar Collagens Reveals Novel Diagnostic and Prognostic Biomarkers and Histotype-Dependent Aberrant Mechanobiology in Lung Cancer. Modern Pathology, 2023, 36, 100155.	2.9	2

#	Article	IF	Citations
3798	Correlating mechanical and gene expression data on the single cell level to investigate metastatic phenotypes. IScience, 2023, 26, 106393.	1.9	1
3799	Targeting YAP/TAZ in Combination with PD-L1 Immune Checkpoint Inhibitors in Non-Small Cell Lung Cancer (NSCLC). Cells, 2023, 12, 871.	1.8	5
3800	Non-muscle myosin 2 at a glance. Journal of Cell Science, 2023, 136, .	1.2	12
3801	Denervation Drives YAP/TAZ Activation in Muscular Fibro/Adipogenic Progenitors. International Journal of Molecular Sciences, 2023, 24, 5585.	1.8	1
3802	Two Hippo signaling modules orchestrate liver size and tumorigenesis. EMBO Journal, 2023, 42, .	3.5	8
3803	Decellularized Extracellular Matrix for Remodeling Bioengineering Organoid's Microenvironment. Small, 2023, 19, .	5.2	13
3804	Mesenchymal Stem Cell Culture within Perfusion Bioreactors Incorporating 3Dâ€Printed Scaffolds Enables Improved Extracellular Vesicle Yield with Preserved Bioactivity. Advanced Healthcare Materials, 2023, 12, .	3.9	6
3805	The role of physics in multiomics and cancer evolution. Frontiers in Oncology, 0, 13, .	1.3	1
3806	Mechanotransduction Impairment in Primary Fibroblast Model of Krabbe Disease. Biomedicines, 2023, 11, 927.	1.4	3
3807	Transcription factors and potential therapeutic targets for pulmonary hypertension. Frontiers in Cell and Developmental Biology, 0, 11, .	1.8	2
3808	Application and Study of ROCK Inhibitors in Pulmonary Fibrosis: Recent Developments and Future Perspectives. Journal of Medicinal Chemistry, 2023, 66, 4342-4360.	2.9	6
3809	Caveolae Mechanotransduction at the Interface between Cytoskeleton and Extracellular Matrix. Cells, 2023, 12, 942.	1.8	10
3810	Roles and Heterogeneity of Mesenchymal Progenitors in Muscle Homeostasis, Hypertrophy, and Disease. Stem Cells, 0, , .	1.4	3
3811	Stiff Extracellular Matrix Promotes Invasive Behaviors of Trophoblast Cells. Bioengineering, 2023, 10, 384.	1.6	2
3812	Inhibition of a signaling modality within the gp130 receptor enhances tissue regeneration and mitigates osteoarthritis. Science Translational Medicine, 2023, 15, .	5.8	6
3813	Coordination of tissue homeostasis and growth by the Scribble-Î±-Catenin-Septate junction complex. IScience, 2023, 26, 106490.	1.9	1
3814	Matrix Stiffness Activating YAP/TEAD1-Cyclin B1 in Nucleus Pulposus Cells Promotes Intervertebral Disc Degeneration. , 2023, .		0
3815	Studying the Geroprotective Properties of YAP/TAZ Signaling Inhibitors on Drosophila melanogaster Model. International Journal of Molecular Sciences, 2023, 24, 6006.	1.8	0

#	Article	IF	Citations
3816	Cellular reprogramming of fibroblasts in heart regeneration. Journal of Molecular and Cellular Cardiology, 2023, 180, 84-93.	0.9	3
3817	The Role of Stem Cell on Orthodontic Tooth Movement Induced-Alveolar Bone Remodeling. Research Journal of Pharmacy and Technology, 2023, , 123-128.	0.2	0
3818	YAP and Î²-catenin cooperate to drive H. pylori -induced gastric tumorigenesis. Gut Microbes, 2023, 15, .	4.3	9
3819	Bone regeneration strategies based on organelle homeostasis of mesenchymal stem cells. Frontiers in Endocrinology, 0, 14, .	1.5	0
3820	Extracellular matrix remodeling in tumor progression and immune escape: from mechanisms to treatments. Molecular Cancer, 2023, 22, .	7.9	66
3821	PIP4K2B is mechanoresponsive and controls heterochromatin-driven nuclear softening through UHRF1. Nature Communications, 2023, 14, .	5.8	7
3822	Discovery of Hippo signaling as a regulator of CSPG4 expression and as a therapeutic target for Clostridioides difficile disease. PLoS Pathogens, 2023, 19, e1011272.	2.1	3
3823	Mir-302a/TWF1 Axis Impairs the Myogenic Differentiation of Progenitor Cells through F-Actin-Mediated YAP1 Activation. International Journal of Molecular Sciences, 2023, 24, 6341.	1.8	0
3824	Cellâ€Reprogrammingâ€Inspired Dynamically Responsive Hydrogel Boosts the Induction of Pluripotency via Phaseâ€Separated Biomolecular Condensates. Advanced Materials, 0, , .	11.1	5
3825	WNT7A suppresses adipogenesis of skeletal muscle mesenchymal stem cells and fatty infiltration through the alternative Wnt-Rho-YAP/TAZ signaling axis. Stem Cell Reports, 2023, 18, 999-1014.	2.3	3
3826	Reprogramming anchorage dependency by adherent-to-suspension transition promotes metastatic dissemination. Molecular Cancer, 2023, 22, .	7.9	7
3827	Altered coronary artery function, arteriogenesis and endothelial YAP signaling in postnatal hypertrophic cardiomyopathy. Frontiers in Physiology, 0, 14, .	1.3	1
3828	Piezo1-ERK1/2-YAP Signaling Cascade Regulates the Proliferation of Urine-derived Stem Cells on Collagen Gels. Current Stem Cell Research and Therapy, 2024, 19, 103-115.	0.6	1
3829	Programming of Multicellular Patterning with Mechanoâ€Chemically Microstructured Cell Niches. Advanced Science, 2023, 10, .	5.6	4
3832	Lung development and regeneration: newly defined cell types and progenitor status. Cell Regeneration, 2023, 12, .	1.1	4
3834	Matrix stiffness regulates tumor cell intravasation through expression and ESRP1-mediated alternative splicing of MENA. Cell Reports, 2023, 42, 112338.	2.9	10
3835	Maintenance of high-turnover tissues during and beyond homeostasis. Cell Stem Cell, 2023, 30, 348-361.	5.2	1
3836	Harnessing matrix stiffness to engineer a bone marrow niche for hematopoietic stem cell rejuvenation. Cell Stem Cell, 2023, 30, 378-395.e8.	5.2	15

#	Article	IF	Citations
3837	PRPF19 facilitates colorectal cancer liver metastasis through activation of the Src-YAP1 pathway via K63-linked ubiquitination of MYL9. Cell Death and Disease, 2023, 14, .	2.7	7
3838	Viscous Microcapsules as Microbioreactors to Study Mesenchymal Stem/Stromal Cells Osteolineage Commitment. Small Methods, 2023, 7, .	4.6	1
3839	FAP promotes metastasis and chemoresistance via regulating YAP1 and macrophages in mucinous colorectal adenocarcinoma. IScience, 2023, 26, 106600.	1.9	3
3840	Induction of miR-665-3p Impairs the Differentiation of Myogenic Progenitor Cells by Regulating the TWF1-YAP1 Axis. Cells, 2023, 12, 1114.	1.8	0
3841	Biophysical Regulation of TGFÎ² Signaling in the Tumor Microenvironment. Current Cancer Research, 2023, , 159-200.	0.2	1
3842	Microenvironmental mechanoactivation through Yap/Taz suppresses chondrogenic gene expression. Molecular Biology of the Cell, 2023, 34, .	0.9	2
3843	Increasing cell culture density during a developmental window prevents fated rod precursors derailment toward hybrid rod-glia cells. Scientific Reports, 2023, 13, .	1.6	0
3844	Hydrogel/Nanofiber Composite Wound Dressing Optimized for Skin Layer Regeneration through the Mechanotransduction-Based Microcellular Environment. ACS Applied Bio Materials, 2023, 6, 1774-1786.	2.3	6
3845	Oxidative stress and inflammation: the root causes of aging. Exploration of Medicine, 0, , 127-156.	1.5	1
3846	The effects of mechanical force on fibroblast behavior in cutaneous injury. Frontiers in Surgery, 0, 10, .	0.6	4
3847	Mechanically induced alterations in chromatin architecture guide the balance between cell plasticity and mechanical memory. Frontiers in Cell and Developmental Biology, 0, 11, .	1.8	5
3848	Guideline for design of substrate stiffness for mesenchymal stem cell culture based on heterogeneity of YAP and RUNX2 responses. Biophysics and Physicobiology, 2023, , .	0.5	0
3849	Mice Deficient in TAZ (Wwtr1) Demonstrate Clinical Features of Late-Onset Fuchsâ€™ Endothelial Corneal Dystrophy. , 2023, 64, 22.		4
3850	Cardiac Mechanoperception and Mechanotransduction: Mechanisms of Stretch Sensing in Cardiomyocytes and Implications for Cardiomyopathy. Cardiac and Vascular Biology, 2023, , 1-35.	0.2	0
3851	Phase Separation Microparticles as a Three-Dimensional Cell Culture System To Promote Stem Cell Expansion. Biomacromolecules, 2023, 24, 2184-2195.	2.6	1
3852	Saturated fatty acid-inducible miR-103-3p impairs the myogenic differentiation of progenitor cells by enhancing cell proliferation through Twinfilin-1/F-actin/YAP1 axis. Korean Journal of Physiology and Pharmacology, 2023, 27, 277-287.	0.6	0
3853	Shear and hydrostatic stress regulate fetal heart valve remodeling through YAP-mediated mechanotransduction. ELife, 0, 12, .	2.8	0
3854	MMP14 expression and collagen remodelling support uterine leiomyosarcoma aggressiveness. Molecular Oncology, 0, , .	2.1	2

#	Article	IF	Citations
3855	Hippo Pathway in Schwann Cells and Regeneration of Peripheral Nervous System. Developmental Neuroscience, 2023, 45, 276-289.	1.0	1
3856	Simvastatin Attenuates Glucocorticoid-Induced Human Trabecular Meshwork Cell Dysfunction via YAP/TAZ Inactivation. Current Eye Research, 2023, 48, 736-749.	0.7	3
3857	Body shaping membrane to regenerate breast fat by elastic structural holding. Research, 2023, 6, .	2.8	2
3858	Cell Junctions and the Mechanics of Hair Cell Regeneration. Springer Handbook of Auditory Research, 2023, , 41-72.	0.3	0
3870	Modulating tumor mechanics with nanomedicine for cancer therapy. Biomaterials Science, 2023, 11, 4471-4489.	2.6	3
3876	Mechanosensation to inflammation: Roles for YAP/TAZ in innate immune cells. Science Signaling, 2023, 16, .	1.6	5
3930	Flow-inducedÂreprogramming of endothelial cells in atherosclerosis. Nature Reviews Cardiology, 2023, 20, 738-753.	6.1	20
3974	Cellular mechanotransduction in health and diseases: from molecular mechanism to therapeutic targets. Signal Transduction and Targeted Therapy, 2023, 8, .	7.1	16
3978	Friend or foe? The elusive role of hepatic stellate cells in liver cancer. Nature Reviews Gastroenterology and Hepatology, 2023, 20, 647-661.	8.2	11
3990	Control of stem cell renewal and fate by YAP and TAZ. Nature Reviews Molecular Cell Biology, 2023, 24, 895-911.	16.1	9
4035	Targeting Mechanobiology of Stem Cells Via Biomaterials for Regenerative Medicine Approaches. , 2023, , 1-24.		0
4036	Mechanobiology of the articular chondrocyte. , 2024, , 249-287.		0
4037	Mechanobiology of osteocytes. , 2024, , 167-213.		0
4083	Direct investigation of cell contraction signal networks by light-based perturbation methods. Pflugers Archiv European Journal of Physiology, 0, , .	1.3	1
4099	Emerging roles and mechanisms of ERK pathway mechanosensing. Cellular and Molecular Life Sciences, 2023, 80, .	2.4	0
4111	Fabrication of micro-nano patterned materials mimicking the topological structure of extracellular matrix for biomedical applications. Nano Research, 0, , .	5.8	0
4123	Role of mechanotransduction in stem cells and cancer progression. , 2024, , 51-76.		0
4132	Building a Co-ordinated Musculoskeletal System: The Plasticity of the Developing Skeleton in Response to Muscle Contractions. Advances in Anatomy, Embryology and Cell Biology, 2023, , 81-110.	1.0	0

#	Article	IF	Citations
4163	Biophysical Changes in Local Onco-Sphere. , 2023, , 201-220.		0
4173	The first embryo, the origin of cancer and animal phylogeny. II. The neoplastic process as an evolutionary engine. Journal of Biosciences, 2024, 49, .	0.5	0
4189	Mechanobiology regulation. , 2024, , 127-160.		0
4208	Stimuli-responsive biomaterials for regulation of dynamic cellular responses toward advanced tissue engineering. , 2024, , 27-45.		0
4225	The genetics of cardiomyocyte polyploidy. Current Topics in Developmental Biology, 2024, , 245-295.	1.0	0
4258	The alveolus: Our current knowledge of how the gas exchange unit of the lung is constructed and repaired. Current Topics in Developmental Biology, 2024, , .	1.0	0