

Jianping Fu

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/2217149/publications.pdf>

Version: 2024-02-01

141
papers

9,534
citations

41258

49
h-index

40881

93
g-index

152
all docs

152
docs citations

152
times ranked

12680
citing authors

#	ARTICLE	IF	CITATIONS
1	Mechanical regulation of cell function with geometrically modulated elastomeric substrates. <i>Nature Methods</i> , 2010, 7, 733-736.	9.0	944
2	Forcing Stem Cells to Behave: A Biophysical Perspective of the Cellular Microenvironment. <i>Annual Review of Biophysics</i> , 2012, 41, 519-542.	4.5	367
3	Cell Shape and Substrate Rigidity Both Regulate Cell Stiffness. <i>Biophysical Journal</i> , 2011, 100, L25-L27.	0.2	364
4	Nanotopography Influences Adhesion, Spreading, and Self-Renewal of Human Embryonic Stem Cells. <i>ACS Nano</i> , 2012, 6, 4094-4103.	7.3	353
5	Controlled modelling of human epiblast and amnion development using stem cells. <i>Nature</i> , 2019, 573, 421-425.	13.7	338
6	A patterned anisotropic nanofluidic sieving structure for continuous-flow separation of DNA and proteins. <i>Nature Nanotechnology</i> , 2007, 2, 121-128.	15.6	306
7	Molecular sieving using nanofilters: Past, present and future. <i>Lab on A Chip</i> , 2008, 8, 23-33.	3.1	268
8	Multiplex Serum Cytokine Immunoassay Using Nanoplasmonic Biosensor Microarrays. <i>ACS Nano</i> , 2015, 9, 4173-4181.	7.3	267
9	Hippo/YAP-mediated rigidity-dependent motor neuron differentiation of human pluripotent stem cells. <i>Nature Materials</i> , 2014, 13, 599-604.	13.3	238
10	Assaying stem cell mechanobiology on microfabricated elastomeric substrates with geometrically modulated rigidity. <i>Nature Protocols</i> , 2011, 6, 187-213.	5.5	236
11	Nanoroughened Surfaces for Efficient Capture of Circulating Tumor Cells without Using Capture Antibodies. <i>ACS Nano</i> , 2013, 7, 566-575.	7.3	220
12	Nanotopographical surfaces for stem cell fate control: Engineering mechanobiology from the bottom. <i>Nano Today</i> , 2014, 9, 759-784.	6.2	220
13	How vinculin regulates force transmission. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2013, 110, 9788-9793.	3.3	209
14	A pluripotent stem cell-based model for post-implantation human amniotic sac development. <i>Nature Communications</i> , 2017, 8, 208.	5.8	203
15	Biocompatible PEG-Chitosan@Carbon Dots Hybrid Nanogels for Two-Photon Fluorescence Imaging, Near-Infrared Light/pH Dual-Responsive Drug Carrier, and Synergistic Therapy. <i>Advanced Functional Materials</i> , 2015, 25, 5537-5547.	7.8	201
16	Self-organized amniogenesis by human pluripotent stem cells in a biomimetic implantation-like niche. <i>Nature Materials</i> , 2017, 16, 419-425.	13.3	189
17	Mechanics-guided embryonic patterning of neuroectoderm tissue from human pluripotent stem cells. <i>Nature Materials</i> , 2018, 17, 633-641.	13.3	174
18	Microfluidic Blood Cell Sorting: Now and Beyond. <i>Small</i> , 2014, 10, 1687-1703.	5.2	134

#	ARTICLE	IF	CITATIONS
19	Photolithographic surface micromachining of polydimethylsiloxane (PDMS). <i>Lab on A Chip</i> , 2012, 12, 391-395.	3.1	131
20	Nanofilter array chip for fast gel-free biomolecule separation. <i>Applied Physics Letters</i> , 2005, 87, 263902.	1.5	121
21	Integrated Micro/Nanoengineered Functional Biomaterials for Cell Mechanics and Mechanobiology: A Materials Perspective. <i>Advanced Materials</i> , 2014, 26, 1494-1533.	11.1	121
22	Continuous-flow microfluidic blood cell sorting for unprocessed whole blood using surface-micromachined microfiltration membranes. <i>Lab on A Chip</i> , 2014, 14, 2565-2575.	3.1	116
23	Human Primordial Germ Cells Are Specified from Lineage-Primed Progenitors. <i>Cell Reports</i> , 2019, 29, 4568-4582.e5.	2.9	114
24	Molecular Sieving in Periodic Free-Energy Landscapes Created by Patterned Nanofilter Arrays. <i>Physical Review Letters</i> , 2006, 97, 018103.	2.9	111
25	Adhesion strength-based, label-free isolation of human pluripotent stem cells. <i>Nature Methods</i> , 2013, 10, 438-444.	9.0	110
26	On human pluripotent stem cell control: The rise of 3D bioengineering and mechanobiology. <i>Biomaterials</i> , 2015, 52, 26-43.	5.7	105
27	Fluorescent porous carbon nanocapsules for two-photon imaging, NIR/pH dual-responsive drug carrier, and photothermal therapy. <i>Biomaterials</i> , 2015, 53, 117-126.	5.7	105
28	Mechanics Regulates Fate Decisions of Human Embryonic Stem Cells. <i>PLoS ONE</i> , 2012, 7, e37178.	1.1	102
29	Lumen Formation Is an Intrinsic Property of Isolated Human Pluripotent Stem Cells. <i>Stem Cell Reports</i> , 2015, 5, 954-962.	2.3	98
30	Ultrasensitive ELISA Using Enzyme-Loaded Nanospherical Brushes as Labels. <i>Analytical Chemistry</i> , 2014, 86, 9367-9371.	3.2	92
31	A silicone-based stretchable micropost array membrane for monitoring live-cell subcellular cytoskeletal response. <i>Lab on A Chip</i> , 2012, 12, 731-740.	3.1	89
32	Integrated Nanoplasmonic Sensing for Cellular Functional Immunoanalysis Using Human Blood. <i>ACS Nano</i> , 2014, 8, 2667-2676.	7.3	89
33	Stem-cell-based embryo models for fundamental research and translation. <i>Nature Materials</i> , 2021, 20, 132-144.	13.3	86
34	Microfluidics for cryopreservation. <i>Biotechnology Advances</i> , 2017, 35, 323-336.	6.0	84
35	Mechanical Tension Promotes Formation of Gastrulation-like Nodes and Patterns Mesoderm Specification in Human Embryonic Stem Cells. <i>Developmental Cell</i> , 2020, 55, 679-694.e11.	3.1	84
36	Artificial molecular sieves and filters: a new paradigm for biomolecule separation. <i>Trends in Biotechnology</i> , 2008, 26, 311-320.	4.9	80

#	ARTICLE	IF	CITATIONS
37	Simulation of the contractile response of cells on an array of micro-posts. <i>Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences</i> , 2009, 367, 3477-3497.	1.6	80
38	Mechanosensitive subcellular rheostasis drives emergent single-cell mechanical homeostasis. <i>Nature Materials</i> , 2016, 15, 961-967.	13.3	77
39	Elastomeric microposts integrated into microfluidics for flow-mediated endothelial mechanotransduction analysis. <i>Lab on A Chip</i> , 2012, 12, 1865.	3.1	76
40	Synergistic regulation of cell function by matrix rigidity and adhesive pattern. <i>Biomaterials</i> , 2011, 32, 9584-9593.	5.7	75
41	Acoustic tweezing cytometry for live-cell subcellular modulation of intracellular cytoskeleton contractility. <i>Scientific Reports</i> , 2013, 3, 2176.	1.6	75
42	Effects of substrate stiffness and actomyosin contractility on coupling between force transmission and vinculin paxillin recruitment at single focal adhesions. <i>Molecular Biology of the Cell</i> , 2017, 28, 1901-1911.	0.9	74
43	Debate ethics of embryo models from stem cells. <i>Nature</i> , 2018, 564, 183-185.	13.7	72
44	An integrated microfluidic platform for in situ cellular cytokine secretion immunophenotyping. <i>Lab on A Chip</i> , 2012, 12, 4093.	3.1	60
45	Dorsal-ventral patterned neural cyst from human pluripotent stem cells in a neurogenic niche. <i>Science Advances</i> , 2019, 5, eaax5933.	4.7	59
46	Human embryo research, stem cell-derived embryo models and in vitro gametogenesis: Considerations leading to the revised ISSCR guidelines. <i>Stem Cell Reports</i> , 2021, 16, 1416-1424.	2.3	59
47	Amnion signals are essential for mesoderm formation in primates. <i>Nature Communications</i> , 2021, 12, 5126.	5.8	59
48	Uniaxial cell stretching device for live-cell imaging of mechanosensitive cellular functions. <i>Review of Scientific Instruments</i> , 2013, 84, 114304.	0.6	58
49	Acoustic tweezing cytometry enhances osteogenesis of human mesenchymal stem cells through cytoskeletal contractility and YAP activation. <i>Biomaterials</i> , 2017, 134, 22-30.	5.7	57
50	Live-cell subcellular measurement of cell stiffness using a microengineered stretchable micropost array membrane. <i>Integrative Biology (United Kingdom)</i> , 2012, 4, 1289.	0.6	56
51	AC Electroosmosis-Enhanced Nanoplasmofluidic Detection of Ultralow-Concentration Cytokine. <i>Nano Letters</i> , 2017, 17, 2374-2380.	4.5	55
52	Age-Associated Increase in Skin Fibroblast-Derived Prostaglandin E ₂ Contributes to Reduced Collagen Levels in Elderly Human Skin. <i>Journal of Investigative Dermatology</i> , 2015, 135, 2181-2188.	0.3	51
53	Substrates with Engineered Step Changes in Rigidity Induce Traction Force Polarity and Durotaxis. <i>Cellular and Molecular Bioengineering</i> , 2014, 7, 26-34.	1.0	48
54	Rapid, automated, parallel quantitative immunoassays using highly integrated microfluidics and AlphaLISA. <i>Scientific Reports</i> , 2015, 5, 11339.	1.6	48

#	ARTICLE	IF	CITATIONS
55	Angiogenesis in Liquid Tumors: An In Vitro Assay for Leukemicâ€Cellâ€Induced Bone Marrow Angiogenesis. <i>Advanced Healthcare Materials</i> , 2016, 5, 1014-1024.	3.9	44
56	Surfaceâ€Micromachined Microfiltration Membranes for Efficient Isolation and Functional Immunophenotyping of Subpopulations of Immune Cells. <i>Advanced Healthcare Materials</i> , 2013, 2, 965-975.	3.9	43
57	Global architecture of the F-actin cytoskeleton regulates cell shape-dependent endothelial mechanotransduction. <i>Integrative Biology (United Kingdom)</i> , 2014, 6, 300.	0.6	42
58	An apicosome initiates self-organizing morphogenesis of human pluripotent stem cells. <i>Journal of Cell Biology</i> , 2017, 216, 3981-3990.	2.3	41
59	Nanotopography regulates motor neuron differentiation of human pluripotent stem cells. <i>Nanoscale</i> , 2018, 10, 3556-3565.	2.8	38
60	Supersoft lithography: candy-based fabrication of soft silicone microstructures. <i>Lab on A Chip</i> , 2015, 15, 3760-3765.	3.1	37
61	Desktop aligner for fabrication of multilayer microfluidic devices. <i>Review of Scientific Instruments</i> , 2015, 86, 075008.	0.6	37
62	Multiparametric Biomechanical and Biochemical Phenotypic Profiling of Single Cancer Cells Using an Elasticity Microcytometer. <i>Small</i> , 2016, 12, 2300-2311.	5.2	36
63	Multiplexed Nanoplasmonic Temporal Profiling of T-Cell Response under Immunomodulatory Agent Exposure. <i>ACS Sensors</i> , 2016, 1, 941-948.	4.0	35
64	Centrifugal microfluidics for sorting immune cells from whole blood. <i>Sensors and Actuators B: Chemical</i> , 2017, 245, 1050-1061.	4.0	34
65	UV-Modulated Substrate Rigidity for Multiscale Study of Mechanoresponsive Cellular Behaviors. <i>Langmuir</i> , 2012, 28, 10789-10796.	1.6	28
66	Continuous-flow bioseparation using microfabricated anisotropic nanofluidic sieving structures. <i>Nature Protocols</i> , 2009, 4, 1681-1698.	5.5	27
67	Two-Bubble Acoustic Tweezing Cytometry for Biomechanical Probing and Stimulation of Cells. <i>Biophysical Journal</i> , 2015, 108, 32-42.	0.2	27
68	Modulation of Micro RNA Expression and Osteoblast Differentiation by Nanotopography. <i>International Journal of Oral and Maxillofacial Implants</i> , 2018, 33, 269-280.	0.6	27
69	Force-FAK signaling coupling at individual focal adhesions coordinates mechanosensing and microtissue repair. <i>Nature Communications</i> , 2021, 12, 2359.	5.8	27
70	In silico Experimentation of Glioma Microenvironment Development and Anti-tumor Therapy. <i>PLoS Computational Biology</i> , 2012, 8, e1002355.	1.5	26
71	Microfabricated Nanotopographical Surfaces for Study of Adhesionâ€Dependent Cell Mechanosensitivity. <i>Small</i> , 2013, 9, 81-89.	5.2	26
72	Emerging Microfluidic Tools for Functional Cellular Immunophenotyping: A New Potential Paradigm for Immune Status Characterization. <i>Frontiers in Oncology</i> , 2013, 3, 98.	1.3	25

#	ARTICLE	IF	CITATIONS
73	Atomic force microscopy indentation and inverse analysis for non-linear viscoelastic identification of breast cancer cells. <i>Mathematical Biosciences</i> , 2016, 277, 77-88.	0.9	25
74	Patterning Cell and Tissue Function. <i>Cellular and Molecular Bioengineering</i> , 2008, 1, 15-23.	1.0	24
75	Mechanobiology: a new frontier for human pluripotent stem cells. <i>Integrative Biology (United Tj ETQq1 1 0.784314 rgBT /Overlock 1</i>	0.6	24
76	A Miniaturized Hemoretractometer for Blood Clot Retraction Testing. <i>Small</i> , 2016, 12, 3926-3934.	5.2	24
77	Tracking the tumor invasion front using long-term fluidic tumoroid culture. <i>Scientific Reports</i> , 2017, 7, 10784.	1.6	24
78	Nanoroughened adhesion-based capture of circulating tumor cells with heterogeneous expression and metastatic characteristics. <i>BMC Cancer</i> , 2016, 16, 614.	1.1	23
79	Magnetothermal heating facilitates the cryogenic recovery of stem cell-laden alginate-Fe ₃ O ₄ nanocomposite hydrogels. <i>Biomaterials Science</i> , 2018, 6, 3139-3151.	2.6	23
80	Encoding through the host-guest structure: construction of multiplexed fluorescent beads. <i>Chemical Communications</i> , 2014, 50, 14041-14044.	2.2	22
81	Microfluidic-based high-throughput optical trapping of nanoparticles. <i>Lab on A Chip</i> , 2017, 17, 2125-2134.	3.1	22
82	Microengineered human amniotic ectoderm tissue array for high-content developmental phenotyping. <i>Biomaterials</i> , 2019, 216, 119244.	5.7	22
83	Biophysical Phenotyping and Modulation of ALDH+ Inflammatory Breast Cancer Stem-Like Cells. <i>Small</i> , 2019, 15, e1802891.	5.2	21
84	Mechanotransduction-Induced Reversible Phenotypic Switching in Prostate Cancer Cells. <i>Biophysical Journal</i> , 2017, 112, 1236-1245.	0.2	20
85	Acoustic Tweezing Cytometry Induces Rapid Initiation of Human Embryonic Stem Cell Differentiation. <i>Scientific Reports</i> , 2018, 8, 12977.	1.6	20
86	Rapid Quantification of Disease-Marker Proteins Using Continuous-Flow Immunoseparation in a Nanosieve Fluidic Device. <i>Analytical Chemistry</i> , 2009, 81, 7067-7074.	3.2	19
87	Notch signaling in regulating angiogenesis in a 3D biomimetic environment. <i>Lab on A Chip</i> , 2017, 17, 1948-1959.	3.1	19
88	Engineering multiscale structural orders for high-fidelity embryoids and organoids. <i>Cell Stem Cell</i> , 2022, 29, 722-743.	5.2	19
89	Emerging microengineered tools for functional analysis and phenotyping of blood cells. <i>Trends in Biotechnology</i> , 2014, 32, 586-594.	4.9	18
90	A microfluidics-based stem cell model of early post-implantation human development. <i>Nature Protocols</i> , 2021, 16, 309-326.	5.5	16

#	ARTICLE	IF	CITATIONS
91	Acoustic Actuation of Integrin-Bound Microbubbles for Mechanical Phenotyping during Differentiation and Morphogenesis of Human Embryonic Stem Cells. <i>Small</i> , 2018, 14, e1803137.	5.2	15
92	Capillary assisted deposition of carbon nanotube film for strain sensing. <i>Applied Physics Letters</i> , 2017, 111, 173105.	1.5	14
93	Multiplexed Luminescence Oxygen Channeling Immunoassay Based on Dual-Functional Barcodes with a Host-Guest Structure: A Facile and Robust Suspension Array Platform. <i>Small</i> , 2020, 16, e1907521.	5.2	14
94	Spatially resolved cell polarity proteomics of a human epiblast model. <i>Science Advances</i> , 2021, 7, .	4.7	14
95	Surface micromachining of polydimethylsiloxane for microfluidics applications. <i>Biomicrofluidics</i> , 2016, 10, 054114.	1.2	13
96	A systems mechanobiology model to predict cardiac reprogramming outcomes on different biomaterials. <i>Biomaterials</i> , 2018, 181, 280-292.	5.7	13
97	Effect of Cell Spreading on Rosette Formation by Human Pluripotent Stem Cell-Derived Neural Progenitor Cells. <i>Frontiers in Cell and Developmental Biology</i> , 2020, 8, 588941.	1.8	13
98	Tuning the surface properties of hydrogel at the nanoscale with focused ion irradiation. <i>Soft Matter</i> , 2014, 10, 8448-8456.	1.2	12
99	Microengineered synthetic cellular microenvironment for stem cells. <i>Wiley Interdisciplinary Reviews: Nanomedicine and Nanobiotechnology</i> , 2012, 4, 414-427.	3.3	11
100	Controlled Tubular Unit Formation from Collagen Film for Modular Tissue Engineering. <i>ACS Biomaterials Science and Engineering</i> , 2017, 3, 2860-2868.	2.6	11
101	Micro/nanoengineered technologies for human pluripotent stem cells maintenance and differentiation. <i>Nano Today</i> , 2021, 41, 101310.	6.2	11
102	Decreasing effective nanofluidic filter size by modulating electrical double layers: Separation enhancement in microfabricated nanofluidic filters. <i>Electrophoresis</i> , 2008, 29, 4646-4651.	1.3	10
103	Improving Survival of Disassociated Human Embryonic Stem Cells by Mechanical Stimulation Using Acoustic Tweezing Cytometry. <i>Biophysical Journal</i> , 2015, 108, 1315-1317.	0.2	9
104	Synthetic human embryology: towards a quantitative future. <i>Current Opinion in Genetics and Development</i> , 2020, 63, 30-35.	1.5	9
105	First complete model of the human embryo. <i>Nature</i> , 2021, 591, 531-532.	13.7	9
106	Accelerated Biofluid Filling in Complex Microfluidic Networks by Vacuum-Pressure Accelerated Movement (V-PAM). <i>Small</i> , 2016, 12, 4521-4530.	5.2	8
107	Carbon Nanotube Strain Sensor Based Hemoretractometer for Blood Coagulation Testing. <i>ACS Sensors</i> , 2018, 3, 670-676.	4.0	8
108	Biophysical phenotypes and determinants of anterior vs. posterior primitive streak cells derived from human pluripotent stem cells. <i>Acta Biomaterialia</i> , 2019, 86, 125-134.	4.1	8

#	ARTICLE	IF	CITATIONS
109	Bioengineered pluripotent stem cell models: new approaches to explore early human embryo development. <i>Current Opinion in Biotechnology</i> , 2020, 66, 52-58.	3.3	8
110	Cell Shape and Substrate Rigidity Both Regulate Cell Stiffness. <i>Biophysical Journal</i> , 2011, 100, 303a.	0.2	6
111	Mass-producible microporous silicon membranes for specific leukocyte subset isolation, immunophenotyping, and personalized immunomodulatory drug screening <i>in vitro</i> . <i>Lab on A Chip</i> , 2019, 19, 3065-3076.	3.1	6
112	Harnessing Mechanobiology of Human Pluripotent Stem Cells for Regenerative Medicine. <i>ACS Chemical Neuroscience</i> , 2014, 5, 621-623.	1.7	5
113	Branching development of early post-implantation human embryonic-like tissues in 3D stem cell culture. <i>Biomaterials</i> , 2021, 275, 120898.	5.7	5
114	Single-Crystalline, Nanoporous Gallium Nitride Films With Fine Tuning of Pore Size for Stem Cell Engineering. <i>Journal of Nanotechnology in Engineering and Medicine</i> , 2014, 5, 0410041-410049.	0.8	4
115	Regulation of Cytoskeleton Contractility and Osteogenesis of Human Mesenchymal Stem Cells using Acoustic Tweezing Cytometry (ATC). <i>Biophysical Journal</i> , 2016, 110, 134a.	0.2	4
116	Modeling of human neurulation using bioengineered pluripotent stem cell culture. <i>Current Opinion in Biomedical Engineering</i> , 2020, 13, 127-133.	1.8	4
117	Integrated electroplated heat spreaders for high power semiconductor lasers. <i>Journal of Applied Physics</i> , 2008, 104, 064907.	1.1	3
118	Highly parallel single-cell force cytometry. <i>Nature Biomedical Engineering</i> , 2018, 2, 60-61.	11.6	3
119	Visualization and quantification of dynamic intercellular coupling in human embryonic stem cells using single cell sonoporation. <i>Scientific Reports</i> , 2020, 10, 18253.	1.6	3
120	Acoustic Tweezing Cytometry (ATC) on Dissociated Human Embryonic Stem Cells (HESCS). <i>Biophysical Journal</i> , 2016, 110, 95a.	0.2	2
121	Back-focal-plane interferometric detection of nanoparticles in spatially confined microfluidic channels. <i>Review of Scientific Instruments</i> , 2019, 90, 023107.	0.6	2
122	Nanofluidic molecular filters for efficient protein separation and preconcentration. , 0, , .		1
123	SnapShot: Embryo models. <i>Stem Cell Reports</i> , 2021, 16, 1142-1142.e1.	2.3	1
124	Machine learning-assisted imaging analysis of a human epiblast model. <i>Integrative Biology (United Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50</i>	0.6	1
125	Nanofluidic Devices for Rapid Analysis of DNA and Proteins. <i>LEOS Summer Topical Meeting</i> , 2007, , .	0.0	0
126	Micro-Engineered Sythetical Extrocellular Metrix for Stem Cell Differentiation Study. , 2010, , .		0

#	ARTICLE	IF	CITATIONS
127	Investigation of Mechanoresponsive Behaviors of Human Embryonic Stem Cells Using Microfabricated Elastomeric Post Arrays. , 2012, , .		0
128	The Non-Equilibrium Thermodynamics and Kinetics Governing Coupled Stress Fiber and Focal Adhesion Dynamics. Biophysical Journal, 2012, 102, 348a.	0.2	0
129	Biosample Preparation by Lab-on-a-Chip Devices. , 2013, , 1-19.		0
130	Synthetic micro/nanoengineered tools to study mechanobiology and its regulatory role for human pluripotent stem cells. , 2013, , .		0
131	Special Section on Nanoscale Materials, Devices, and Systems for Biosensing, Biomanipulation, and Biofabrication. Journal of Nanotechnology in Engineering and Medicine, 2014, 5, .	0.8	0
132	Stretchable micropost array cytometry: a powerful tool for cell mechanics and mechanobiology research. , 0, , 32-46.		0
133	Emerging Roles of YAP/TAZ in Mechanobiology. , 2016, , 83-96.		0
134	Clot Retraction: A Miniaturized Hemoretractometer for Blood Clot Retraction Testing (Small) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 462	5.2	0
135	Microfluidics: Accelerated Biofluid Filling in Complex Microfluidic Networks by Vacuum-Pressure Accelerated Movement (V-PAM) (Small 33/2016). Small, 2016, 12, 4444-4444.	5.2	0
136	O-045 Synthetic human embryo-like structures: a new paradigm for human embryology. Human Reproduction, 2021, 36, .	0.4	0
137	Mechanical Regulation of Stem Cell Differentiation on Geometrically Modulated Elastomeric Substrates. , 2010, , .		0
138	Nanofluidic Devices for Rapid Continuous-Flow Bioseparation. Methods in Molecular Biology, 2011, 790, 127-140.	0.4	0
139	Nanotopography Directs Fate of Human Embryonic Stem Cells. , 2012, , .		0
140	Cell Shape Dictates Differential Sensitivity of Subcellular Contractile Forces in Response to Directional Substrate Stretch. , 2013, , .		0
141	Elucidating the behavior of trophectoderm derivatives in mouse implantation. Developmental Cell, 2022, 57, 295-297.	3.1	0