

# Takanori Kihara

## List of Publications by Year in descending order

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docs citations

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times ranked

1191  
citing authors

#	ARTICLE	IF	CITATIONS
1	Measurement of Biomolecular Diffusion in Extracellular Matrix Condensed by Fibroblasts Using Fluorescence Correlation Spectroscopy. PLoS ONE, 2013, 8, e82382.	2.5	89
2	Exogenous type I collagen facilitates osteogenic differentiation and acts as a substrate for mineralization of rat marrow mesenchymal stem cells in vitro. Biochemical and Biophysical Research Communications, 2006, 341, 1029-1035.	2.1	61
3	Effect of composition, morphology and size of nanozeolite on its in vitro cytotoxicity. Journal of Bioscience and Bioengineering, 2011, 111, 725-730.	2.2	60
4	The mechanical properties of a cell, as determined by its actin cytoskeleton, are important for nanoneedle insertion into a living cell. Cytoskeleton, 2010, 67, 496-503.	2.0	38
5	Development of a novel method to detect intrinsic mRNA in a living cell by using a molecular beacon-immobilized nanoneedle. Biosensors and Bioelectronics, 2010, 26, 1449-1454.	10.1	33
6	Actin-based biomechanical features of suspended normal and cancer cells. Journal of Bioscience and Bioengineering, 2013, 116, 380-385.	2.2	33
7	Fabrication of in vitro three-dimensional multilayered blood vessel model using human endothelial and smooth muscle cells and high-strength PEG hydrogel. Journal of Bioscience and Bioengineering, 2013, 116, 231-234.	2.2	32
8	Development of a method to evaluate caspase-3 activity in a single cell using a nanoneedle and a fluorescent probe. Biosensors and Bioelectronics, 2009, 25, 22-27.	10.1	31
9	Distinct mechanical behavior of HEK293 cells in adherent and suspended states. PeerJ, 2015, 3, e1131.	2.0	30
10	Simple Display System of Mechanical Properties of Cells and Their Dispersion. PLoS ONE, 2012, 7, e34305.	2.5	28
11	Physical properties of mesenchymal stem cells are coordinated by the perinuclear actin cap. Biochemical and Biophysical Research Communications, 2011, 409, 1-6.	2.1	27
12	Alpha-mangostin inhibits the migration and invasion of A549 lung cancer cells. PeerJ, 2018, 6, e5027.	2.0	26
13	Mechanical role of the nucleus in a cell in terms of elastic modulus. Current Applied Physics, 2009, 9, e291-e293.	2.4	25
14	Regulation of cysteine-rich protein 2 localization by the development of actin fibers during smooth muscle cell differentiation. Biochemical and Biophysical Research Communications, 2011, 411, 96-101.	2.1	18
15	Cortical rigidity of round cells in mitotic phase and suspended state. Micron, 2012, 43, 1246-1251.	2.2	15
16	Modulation of SRF-dependent gene expression by association of SPT16 with MKL1. Experimental Cell Research, 2008, 314, 629-637.	2.6	13
17	Reconstituted type V collagen fibrils as cementing materials in the formation of cell clumps in culture. Cell and Tissue Research, 2004, 318, 343-352.	2.9	11
18	Intercellular Accumulation of Type V Collagen Fibrils in Accordance with Cell Aggregation. Journal of Biochemistry, 2008, 144, 625-633.	1.7	11

#	ARTICLE	IF	CITATIONS
19	Activation of PKC induces leukocyte adhesion by the dephosphorylation of ERM. Biochemical and Biophysical Research Communications, 2020, 523, 177-182.	2.1	5
20	Alpha-mangostin reduces mechanical stiffness of various cells. Human Cell, 2020, 33, 347-355.	2.7	5
21	Regulation of Differentiated Phenotypes of Vascular Smooth Muscle Cells. , 0, , .		4
22	Cysteine-rich protein 2 accelerates actin filament cluster formation. PLoS ONE, 2017, 12, e0183085.	2.5	2
23	Mechanical stiffness softening and cell adhesion are coordinately regulated by ERM dephosphorylation in KG-1 cells. Human Cell, 2021, 34, 1709-1716.	2.7	2
24	In silico characterization of cell-cell interactions using a cellular automata model of cell culture. BMC Research Notes, 2017, 10, 283.	1.4	1
25	Alpha-mangostin dephosphorylates ERM to induce adhesion and decrease surface stiffness in KG-1 cells. Human Cell, 2021, 35, 189.	2.7	1
26	1P321 Surface modification of nanoneedle with MPC polymers for improving the biocompatibility with cell interior(Bioengineering,Poster Presentations). Seibutsu Butsuri, 2007, 47, S103.	0.1	0
27	2P223 Effect of fibronectin thin film on insertion efficiency of a nanoneedle into culture cells(The Tj ETQq1 1 0.784314 rgBT <sub>0</sub> /Overlo	0.1	0
28	Analysis of Intracellular Molecules Using Nanoneedles Functionalized with FRET-based Molecular Probes. Hyomen Kagaku, 2010, 31, 459-465.	0.0	0
29	8C33 Cell mechanics measurement with AFM. The Proceedings of the Bioengineering Conference Annual Meeting of BED/JSME, 2012, 2012.24, _8C33-1_-_8C33-2_.	0.0	0