Takanori Kihara

List of Publications by Year
in descending order

29	601	567281 15	610901 24
papers	citations	h-index	g-index

29	29	29	1191
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	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
2	Alpha-mangostin dephosphorylates ERM to induce adhesion and decrease surface stiffness in KG-1 cells. Human Cell, 2021, 35, 189.	2.7	1
3	Activation of PKC induces leukocyte adhesion by the dephosphorylation of ERM. Biochemical and Biophysical Research Communications, 2020, 523, 177-182.	2.1	5
4	Alpha-mangostin reduces mechanical stiffness of various cells. Human Cell, 2020, 33, 347-355.	2.7	5
5	Alpha-mangostin inhibits the migration and invasion of A549 lung cancer cells. PeerJ, 2018, 6, e5027.	2.0	26
6	Cysteine-rich protein 2 accelerates actin filament cluster formation. PLoS ONE, 2017, 12, e0183085.	2.5	2
7	In silico characterization of cellâ€“cell interactions using a cellular automata model of cell culture. BMC Research Notes, 2017, 10, 283.	1.4	1
8	Distinct mechanical behavior of HEK293 cells in adherent and suspended states. PeerJ, 2015, 3, e1131.	2.0	30
9	Actin-based biomechanical features of suspended normal and cancer cells. Journal of Bioscience and Bioengineering, 2013, 116, 380-385.	2.2	33
10	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
11	Measurement of Biomolecular Diffusion in Extracellular Matrix Condensed by Fibroblasts Using Fluorescence Correlation Spectroscopy. PLoS ONE, 2013, 8, e82382.	2.5	89
12	Cortical rigidity of round cells in mitotic phase and suspended state. Micron, 2012, 43, 1246-1251.	2.2	15
13	Simple Display System of Mechanical Properties of Cells and Their Dispersion. PLoS ONE, 2012, 7, e34305.	2.5	28
14	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
15	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
16	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
17	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
18	2P223 Effect of fibronetcin thin film on insertion efficiency of a nanoneedle into culture cells(The) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50	0.1	0

#	Article	IF	Citations
19	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
20	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
21	Analysis of Intracellular Molecules Using Nanoneedles Functionalized with FRET-based Molecular Probes. Hyomen Kagaku, 2010, 31, 459-465.	0.0	0
22	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
23	Mechanical role of the nucleus in a cell in terms of elastic modulus. Current Applied Physics, 2009, 9, e291-e293.	2.4	25
24	Modulation of SRF-dependent gene expression by association of SPT16 with MKL1. Experimental Cell Research, 2008, 314, 629-637.	2.6	13
25	Intercellular Accumulation of Type V Collagen Fibrils in Accordance with Cell Aggregation. Journal of Biochemistry, 2008, 144, 625-633.	1.7	11
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	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
28	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
29	Regulation of Differentiated Phenotypes of Vascular Smooth Muscle Cells. , 0, , .		4