

Masahiro Sokabe

List of Publications by Year in descending order

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239
papers

9,204
citations

30070

54
h-index

56724

83
g-index

243
all docs

243
docs citations

243
times ranked

10647
citing authors

#	ARTICLE	IF	CITATIONS
1	Role of Skin Stretch on Local Vascular Permeability in Murine and Cell Culture Models. <i>Plastic and Reconstructive Surgery - Global Open</i> , 2022, 10, e4084.	0.6	2
2	Synaptic pruning of murine adult-born neurons by microglia depends on phosphatidylserine. <i>Journal of Experimental Medicine</i> , 2022, 219, .	8.5	25
3	Entanglement of Arabidopsis Seedlings to a Mesh Substrate under Microgravity Conditions in KIBO on the ISS. <i>Plants</i> , 2022, 11, 956.	3.5	0
4	The gravistimulation-induced very slow Ca ²⁺ increase in Arabidopsis seedlings requires MCA1, a Ca ²⁺ -permeable mechanosensitive channel. <i>Scientific Reports</i> , 2021, 11, 227.	3.3	12
5	Sphingosine-1-Phosphate Induces ATP Release via Volume-Regulated Anion Channels in Breast Cell Lines. <i>Life</i> , 2021, 11, 851.	2.4	5
6	Morphological and biochemical changes of lymphatic vessels in the soleus muscle of mice after hindlimb unloading. <i>Muscle and Nerve</i> , 2021, 64, 620-628.	2.2	1
7	Anti-Malignant Effect of Tensile Loading to Adherens Junctions in Cutaneous Squamous Cell Carcinoma Cells. <i>Frontiers in Cell and Developmental Biology</i> , 2021, 9, 728383.	3.7	1
8	Cessation of electrically-induced muscle contraction activates autophagy in cultured myotubes. <i>Biochemical and Biophysical Research Communications</i> , 2020, 533, 410-416.	2.1	3
9	Coordination between Cell Motility and Cell Cycle Progression in Keratinocyte Sheets via Cell-Cell Adhesion and Rac1. <i>IScience</i> , 2020, 23, 101729.	4.1	9
10	Tension-dependent Generation of Biochemical Signals on Actomyosin Fibers. <i>Seibutsu Butsuri</i> , 2020, 60, 089-093.	0.1	0
11	Biophysical Mechanisms of Membrane-Thickness-Dependent MscL Gating: An All-Atom Molecular Dynamics Study. <i>Langmuir</i> , 2019, 35, 7432-7442.	3.5	14
12	An influenza-derived membrane tension-modulating peptide regulates cell movement and morphology via actin remodeling. <i>Communications Biology</i> , 2019, 2, 243.	4.4	10
13	The neuropeptide GsMTx4 inhibits a mechanosensitive BK channel through the voltage-dependent modification specific to mechano-gating. <i>Journal of Biological Chemistry</i> , 2019, 294, 11892-11909.	3.4	15
14	L-type calcium channel modulates mechanosensitivity of the cardiomyocyte cell line H9c2. <i>Cell Calcium</i> , 2019, 79, 68-74.	2.4	13
15	Mechanosensitive ATP release in the lungs: New insights from real-time luminescence imaging studies. <i>Current Topics in Membranes</i> , 2019, 83, 45-76.	0.9	8
16	Nestorone exerts long-term neuroprotective effects against transient focal cerebral ischemia in adult male rats. <i>Brain Research</i> , 2019, 1719, 288-296.	2.2	9
17	Tensile Loads on Tethered Actin Filaments Induce Accumulation of Cell Adhesion-Associated Proteins in Vitro. <i>Langmuir</i> , 2019, 35, 7443-7451.	3.5	3
18	Real-Time Single-Molecule Kinetic Analyses of AIP1-Enhanced Actin Filament Severing in the Presence of Cofilin. <i>Journal of Molecular Biology</i> , 2019, 431, 308-322.	4.2	4

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19	The 5 α -Reductase Inhibitor Finasteride Exerts Neuroprotection Against Ischemic Brain Injury in Aged Male Rats. <i>Translational Stroke Research</i> , 2019, 10, 67-77.	4.2	16
20	Post-injury stretch promotes recovery in a rat model of muscle damage induced by lengthening contractions. <i>Journal of Physiological Sciences</i> , 2018, 68, 483-492.	2.1	10
21	Neuronal <i>PAS</i> domain protein 4 (<i>Npas4</i>) controls neuronal homeostasis in pentylenetetrazole-induced epilepsy through the induction of <i>Homer1a</i> . <i>Journal of Neurochemistry</i> , 2018, 145, 19-33.	3.9	23
22	Mechanoregulation and pathology of YAP/TAZ via Hippo and non-Hippo mechanisms. <i>Clinical and Translational Medicine</i> , 2018, 7, 23.	4.0	113
23	Planar compression of extracellular substrates induces S phase arrest via ATM-independent CHK2 activation. <i>Biochemical and Biophysical Research Communications</i> , 2018, 506, 983-989.	2.1	3
24	Progesterone improves functional outcomes after transient focal cerebral ischemia in both aged male and female rats. <i>Experimental Gerontology</i> , 2018, 113, 29-35.	2.8	7
25	Cyclic stretch enhances reorientation and differentiation of 3-D culture model of human airway smooth muscle. <i>Biochemistry and Biophysics Reports</i> , 2018, 16, 32-38.	1.3	20
26	<i>Corynebacterium glutamicum</i> mechanosensitive channels: towards unpuzzling α -glutamate efflux for amino acid production. <i>Biophysical Reviews</i> , 2018, 10, 1359-1369.	3.2	32
27	Reactive oxygen species upregulate expression of muscle atrophy-associated ubiquitin ligase <i>Cbl-b</i> in rat L6 skeletal muscle cells. <i>American Journal of Physiology - Cell Physiology</i> , 2018, 314, C721-C731.	4.6	46
28	Training at non-damaging intensities facilitates recovery from muscle atrophy. <i>Muscle and Nerve</i> , 2017, 55, 243-253.	2.2	9
29	Actomyosin contractility provokes contact inhibition in E-cadherin-ligated keratinocytes. <i>Scientific Reports</i> , 2017, 7, 46326.	3.3	32
30	Real-time imaging of mechanically and chemically induced ATP release in human lung fibroblasts. <i>Respiratory Physiology and Neurobiology</i> , 2017, 242, 96-101.	1.6	6
31	Matrix stiffness regulates migration of human lung fibroblasts. <i>Physiological Reports</i> , 2017, 5, e13281.	1.7	90
32	Neurosteroid dehydroepiandrosterone enhances activity and trafficking of astrocytic <i>GLT1</i> via <i>1α</i> - <i>25(OH)D₃</i> receptor-mediated PKC activation in the hippocampal dentate gyrus of rats. <i>Glia</i> , 2017, 65, 1491-1503.	4.9	9
33	The <i>Strex-Insert</i> in a Stretch-Activated BK Channel from Chick Heart is not Enough for Conferring <i>GsMTx-4</i> Inhibitory Effect on <i>mSlo1</i> . <i>Biophysical Journal</i> , 2017, 112, 252a.	0.5	1
34	Quantifying Tensile Force and ERK Phosphorylation on Actin Stress Fibers. <i>Methods in Molecular Biology</i> , 2017, 1487, 223-234.	0.9	6
35	Current-direction/amplitude-dependent single channel gating kinetics of mouse pannexin 1 channel: a new concept for gating kinetics. <i>Scientific Reports</i> , 2017, 7, 10512.	3.3	14
36	Hyperforin/HP- β -Cyclodextrin Enhances Mechanosensitive Ca^{2+} Signaling in HaCaT Keratinocytes and in Atopic Skin Ex Vivo Which Accelerates Wound Healing. <i>BioMed Research International</i> , 2017, 2017, 1-9.	1.9	28

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37	Voltage-Dependent Inactivation of MscS Occurs Independently of the Positively Charged Residues in the Transmembrane Domain. <i>BioMed Research International</i> , 2016, 2016, 1-6.	1.9	7
38	Real-time imaging of inflation-induced ATP release in the ex vivo rat lung. <i>American Journal of Physiology - Lung Cellular and Molecular Physiology</i> , 2016, 311, L956-L969.	2.9	16
39	MEKK1-dependent phosphorylation of calponin-3 tunes cell contractility. <i>Journal of Cell Science</i> , 2016, 129, 3574-3582.	2.0	12
40	Cellular ATP release in the lung and airway. <i>AIMS Biophysics</i> , 2016, 3, 571-584.	0.6	8
41	The Actin Filament as a Mechanosensor. <i>Seibutsu Butsuri</i> , 2015, 55, 187-191.	0.1	0
42	A novel role of actomyosin bundles in ERK signaling. <i>Communicative and Integrative Biology</i> , 2015, 8, e1017176.	1.4	5
43	Proteoglycan from salmon nasal cartridge promotes in vitro wound healing of fibroblast monolayers via the CD44 receptor. <i>Biochemical and Biophysical Research Communications</i> , 2015, 456, 792-798.	2.1	12
44	Actomyosin bundles serve as a tension sensor and a platform for ERK activation. <i>EMBO Reports</i> , 2015, 16, 250-257.	4.5	57
45	Congenital myasthenic syndrome in Japan: Ethnically unique mutations in muscle nicotinic acetylcholine receptor subunits. <i>Neuromuscular Disorders</i> , 2015, 25, 60-69.	0.6	18
46	Molecular dynamics study on protein-water interplay in the mechanogating of the bacterial mechanosensitive channel MscL. <i>European Biophysics Journal</i> , 2015, 44, 531-543.	2.2	10
47	Ion Channels Activated by Mechanical Forces in Bacterial and Eukaryotic Cells. <i>Sub-Cellular Biochemistry</i> , 2015, 72, 613-626.	2.4	3
48	FUS regulates AMPA receptor function and FTL/ALS-associated behaviour via GluA1 mRNA stabilization. <i>Nature Communications</i> , 2015, 6, 7098.	12.8	129
49	Disrupted-in-schizophrenia 1 regulates transport of ITPR1 mRNA for synaptic plasticity. <i>Nature Neuroscience</i> , 2015, 18, 698-707.	14.8	51
50	Unidirectional incorporation of a bacterial mechanosensitive channel into liposomal membranes. <i>FASEB Journal</i> , 2015, 29, 4334-4345.	0.5	33
51	Sigma-1 ($\sigma 1$) receptor deficiency reduces β -amyloid $_{25-35}$ -induced hippocampal neuronal cell death and cognitive deficits through suppressing phosphorylation of the NMDA receptor NR2B. <i>Neuropharmacology</i> , 2015, 89, 215-224.	4.1	30
52	Non-channel mechanosensors working at focal adhesion-stress fiber complex. <i>Pflugers Archiv European Journal of Physiology</i> , 2015, 467, 141-155.	2.8	14
53	Single-molecule imaging and kinetic analysis of cooperative cofilin-actin filament interactions. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014, 111, 9810-9815.	7.1	58
54	Ca $^{2+}$ influx and ATP release mediated by mechanical stretch in human lung fibroblasts. <i>Biochemical and Biophysical Research Communications</i> , 2014, 453, 101-105.	2.1	33

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55	Stand-up exercise training facilitates muscle recovery from disuse atrophy by stimulating myogenic satellite cell proliferation in mice. <i>Physiological Reports</i> , 2014, 2, e12185.	1.7	8
56	Actin flow and talin dynamics govern rigidity sensing in actin-integrin linkage through talin extension. <i>Journal of the Royal Society Interface</i> , 2014, 11, 20140734.	3.4	8
57	Calcium mobilizations in response to changes in the gravity vector in <i>Arabidopsis</i> seedlings. <i>Plant Signaling and Behavior</i> , 2014, 9, e29099.	2.4	20
58	Real-time luminescence imaging of cellular ATP release. <i>Methods</i> , 2014, 66, 330-344.	3.8	29
59	Girdin Phosphorylation Is Crucial for Synaptic Plasticity and Memory: A Potential Role in the Interaction of BDNF/TrkB/Akt Signaling with NMDA Receptor. <i>Journal of Neuroscience</i> , 2014, 34, 14995-15008.	3.6	79
60	Deficits in cognitive function and hippocampal plasticity in GM2/GD2 synthase knockout mice. <i>Hippocampus</i> , 2014, 24, 369-382.	1.9	20
61	Real-Time Imaging of ATP Release Induced by Mechanical Stretch in Human Airway Smooth Muscle Cells. <i>American Journal of Respiratory Cell and Molecular Biology</i> , 2014, 51, 772-782.	2.9	42
62	Gigaseal Mechanics: Creep of the Gigaseal under the Action of Pressure, Adhesion, and Voltage. <i>Journal of Physical Chemistry B</i> , 2014, 118, 12660-12672.	2.6	25
63	Mechanosensitive ATP release from hemichannels and Ca ²⁺ influx through TRPC6 accelerate wound closure in keratinocytes. <i>Journal of Cell Science</i> , 2014, 127, 4159-71.	2.0	63
64	Molecular Mechanisms Underlying the Force-Dependent Regulation of Actin-to-ECM Linkage at the Focal Adhesions. <i>Progress in Molecular Biology and Translational Science</i> , 2014, 126, 135-154.	1.7	41
65	Direct Measurement of Thermodynamic Parameters of Cofilin-Actin Filament Interactions at the Single Molecule Level. <i>Biophysical Journal</i> , 2014, 106, 570a.	0.5	0
66	Force-dependent vinculin binding to talin in live cells: a crucial step in anchoring the actin cytoskeleton to focal adhesions. <i>American Journal of Physiology - Cell Physiology</i> , 2014, 306, C607-C620.	4.6	77
67	Stretch speed-dependent myofiber damage and functional deficits in rat skeletal muscle induced by lengthening contraction. <i>Physiological Reports</i> , 2014, 2, e12213.	1.7	19
68	Bidirectional modulatory effect of 17 β -estradiol on NMDA receptors via ER α and ER β in the dentate gyrus of juvenile male rats. <i>Neuropharmacology</i> , 2013, 75, 262-273.	4.1	28
69	Increased astrocytic ATP release results in enhanced excitability of the hippocampus. <i>Glia</i> , 2013, 61, 210-224.	4.9	40
70	Analyses of a Gravistimulation-Specific Ca ²⁺ Signature in <i>Arabidopsis</i> using Parabolic Flights. <i>Plant Physiology</i> , 2013, 163, 543-554.	4.8	34
71	Imaging and characterization of stretch-induced ATP release from alveolar A549 cells. <i>Journal of Physiology</i> , 2013, 591, 1195-1215.	2.9	41
72	SCJ Public Symposium on Integrative Bio-imaging Initiative for the Revolution of Medical and Life Sciences. <i>Seibutsu Butsuri</i> , 2013, 53, 329-333.	0.1	0

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73	Neurosteroid PREGS Protects Neurite Growth and Survival of Newborn Neurons in the Hippocampal Dentate Gyrus of APPswe/PS1dE9 Mice. <i>Current Alzheimer Research</i> , 2012, 9, 361-372.	1.4	25
74	The gating mechanism of the bacterial mechanosensitive channel MscL revealed by molecular dynamics simulations. <i>Channels</i> , 2012, 6, 317-331.	2.8	32
75	Mechano-sensing by actin filaments and focal adhesion proteins. <i>Communicative and Integrative Biology</i> , 2012, 5, 572-577.	1.4	35
76	2B1448 A theoretical model of cooperative binding of cofilin to actin filaments(Proteins:Structure) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50	0.1	0
77	DHEAS induces short-term potentiation via the activation of a metabotropic glutamate receptor in the rat hippocampus. <i>Hippocampus</i> , 2012, 22, 707-722.	1.9	14
78	Continuous de novo synthesis of neurosteroids is required for normal synaptic transmission and plasticity in the dentate gyrus of the rat hippocampus. <i>Neuropharmacology</i> , 2012, 62, 2373-2387.	4.1	41
79	Protective effects of XBP1 against oxygen and glucose deprivation/reoxygenation injury in rat primary hippocampal neurons. <i>Neuroscience Letters</i> , 2012, 518, 45-48.	2.1	34
80	Expression of Arabidopsis MCA1 enhanced mechanosensitive channel activity in the <i>Xenopus laevis</i> oocyte plasma membrane. <i>Plant Signaling and Behavior</i> , 2012, 7, 1022-1026.	2.4	58
81	Coarse-Grained Molecular Dynamics Simulation Study Focusing on the Conformational Changes of Transmembrane Helices of the E-Coli Mechanosensitive Channel MscL. <i>Biophysical Journal</i> , 2012, 102, 122a-123a.	0.5	0
82	STIM1 Regulates Platelet-Derived Growth Factor-Induced Migration and Ca ²⁺ Influx in Human Airway Smooth Muscle Cells. <i>PLoS ONE</i> , 2012, 7, e45056.	2.5	43
83	3PT132 Molecular Dynamics Analysis of the Role of Protein-Water Interplay in the Opening Process of E-coli Mechanosensitive Channel MscL(The 50th Annual Meeting of the Biophysical Society of Japan). <i>Seibutsu Butsuri</i> , 2012, 52, S163.	0.1	0
84	Differential effects of lipids and lyso-lipids on the mechanosensitivity of the mechanosensitive channels MscL and MscS. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2012, 109, 8770-8775.	7.1	170
85	Abnormal neurogenesis in the dentate gyrus of adult mice lacking 1,25-dihydroxy vitamin D ₃ (1,25-(OH) ₂ D ₃). <i>Hippocampus</i> , 2012, 22, 421-433.	1.9	44
86	Actin filaments function as a tension sensor by tension-dependent binding of cofilin to the filament. <i>Journal of Cell Biology</i> , 2011, 195, 721-727.	5.2	275
87	Nanotechnology in Mechanobiology: Mechanical Manipulation of Cells and Organelle While Monitoring Intracellular Signaling. , 2011, , 3-19.		0
88	Increase of Anteroventral Periventricular Kisspeptin Neurons and Generation of E2-Induced LH-Surge System in Male Rats Exposed Perinatally to Environmental Dose of Bisphenol-A. <i>Endocrinology</i> , 2011, 152, 1562-1571.	2.8	54
89	Visualization of flow-induced ATP release and triggering of Ca ²⁺ waves at caveolae in vascular endothelial cells. <i>Journal of Cell Science</i> , 2011, 124, 3477-3483.	2.0	116
90	Pregnenolone sulfate enhances survival of adult-generated hippocampal granule cells via sustained presynaptic potentiation. <i>Neuropharmacology</i> , 2011, 60, 529-541.	4.1	17

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91	Abnormal synaptic plasticity in basolateral amygdala may account for hyperactivity and attention-deficit in male rat exposed perinatally to low-dose bisphenol-A. <i>Neuropharmacology</i> , 2011, 60, 789-798.	4.1	72
92	3D1558 Extension-torsion coupling behavior of single actin filament(3D Protein: Structure & Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 22	0.1	0
93	Microtubule Dynamics Regulate Cyclic Stretch-Induced Cell Alignment in Human Airway Smooth Muscle Cells. <i>PLoS ONE</i> , 2011, 6, e26384.	2.5	62
94	3N1522 Cooperative binding of cofilin to the actin filament examined by fluorescence microscopy(<i>Cell</i>) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 22	0.1	0
95	3K1434 In vitro analysis of the facilitating effect of Salmon nasal cartridge proteoglycan on the wound healing in a cell monolayer(<i>Cell biology 4, The 49th Annual Meeting of the Biophysical Society</i>) Tj ETQq1 1 0 0 84314 rgBT /Overlock 10 Tf 50 22	0.1	0
96	Mechanoreception in motile flagella of <i>Chlamydomonas</i> . <i>Nature Cell Biology</i> , 2011, 13, 630-632.	10.3	91
97	Effects of specific prostanoid EP receptor agonists on cell proliferation and intracellular Ca ²⁺ concentrations in human airway smooth muscle cells. <i>European Journal of Pharmacology</i> , 2011, 659, 72-78.	3.5	27
98	Effect of tensile force on the mechanical behavior of actin filaments. <i>Journal of Biomechanics</i> , 2011, 44, 1776-1781.	2.1	46
99	Force- and Ca ²⁺ -dependent internalization of integrins in cultured endothelial cells. <i>Journal of Cell Science</i> , 2011, 124, 3859-3870.	2.0	31
100	Protective role of Gipi, a Girdin family protein, in endoplasmic reticulum stress responses in endothelial cells. <i>Molecular Biology of the Cell</i> , 2011, 22, 736-747.	2.1	30
101	Behavioral alterations associated with targeted disruption of exons 2 and 3 of the <i>Disc1</i> gene in the mouse. <i>Human Molecular Genetics</i> , 2011, 20, 4666-4683.	2.9	128
102	Progesterone promotes the survival of newborn neurons in the dentate gyrus of adult male mice. <i>Hippocampus</i> , 2010, 20, 402-412.	1.9	76
103	Modulatory metaplasticity induced by pregnenolone sulfate in the rat hippocampus: A leftward shift in LTP/LTD frequency curve. <i>Hippocampus</i> , 2010, 20, 499-512.	1.9	25
104	3P205 Signaling roles of substance-P in intestinal villi via subepithelial fibroblasts network(<i>Cell</i>) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 22	0.1	0
105	2P117 Channel Opening of the Bacterial Mechanosensitive Channel MscL Requires Hydrogen Bond Formation between the Gate and Water Molecules(<i>The 48th Annual Meeting of the Biophysical Society</i>) Tj ETQq1 1 0 0 784314 rgBT /Overlock 10 Tf 50 22	0.1	0
106	Localization of NK1 receptors and roles of substance-P in subepithelial fibroblasts of rat intestinal villi. <i>Cell and Tissue Research</i> , 2010, 342, 243-259.	2.9	6
107	Sensing substrate rigidity by mechanosensitive ion channels with stress fibers and focal adhesions. <i>Current Opinion in Cell Biology</i> , 2010, 22, 669-676.	5.4	131
108	DMXB (GTSâ€²1) ameliorates the cognitive deficits in beta amyloid injected mice through preventing the dysfunction of alpha7 nicotinic receptor. <i>Journal of Neuroscience Research</i> , 2010, 88, 1784-1794.	2.9	35

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109	Involvement of PI3K/Akt/TOR pathway in stretch-induced hypertrophy of myotubes. <i>Muscle and Nerve</i> , 2010, 41, 100-106.	2.2	54
110	Membrane stretch and cytoplasmic Ca ²⁺ independently modulate stretch-activated BK channel activity. <i>Journal of Biomechanics</i> , 2010, 43, 3015-3019.	2.1	23
111	Evaluation of extensional and torsional stiffness of single actin filaments by molecular dynamics analysis. <i>Journal of Biomechanics</i> , 2010, 43, 3162-3167.	2.1	30
112	3P184 Cofilin modulates torsional fluctuations of actin filaments(<i>Cell biology,The 48th Annual</i>) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 62	0.1	0
113	Mechanosensitivity of ion channels based on protein-lipid interactions. <i>Journal of the Royal Society Interface</i> , 2010, 7, S307-20.	3.4	40
114	Actin Cytoskeleton Regulates Stretch-Activated Ca ²⁺ Influx in Human Pulmonary Microvascular Endothelial Cells. <i>American Journal of Respiratory Cell and Molecular Biology</i> , 2010, 43, 26-34.	2.9	62
115	Treatment with progesterone after focal cerebral ischemia suppresses proliferation of progenitor cells but enhances survival of newborn neurons in adult male mice. <i>Neuropharmacology</i> , 2010, 58, 930-939.	4.1	42
116	DHEA prevents NMDA -impaired survival of newborn neurons in the dentate gyrus through a modulation of PI3K-Akt-mTOR signaling. <i>Neuropharmacology</i> , 2010, 59, 323-333.	4.1	82
117	Differential effect of double-pulse TMS applied to dorsal premotor cortex and precuneus during internal operation of visuospatial information. <i>NeuroImage</i> , 2010, 49, 1108-1115.	4.2	59
118	2001 Spatiotemporal Analysis of Molecular Interaction of Actin Filament under Tensile Force. <i>The Proceedings of the Computational Mechanics Conference</i> , 2010, 2010.23, 1-2.	0.0	0
119	J0206-1-1 Evaluation of extensional and torsional stiffness of actin filament using molecular dynamics simulation. <i>The Proceedings of the JSME Annual Meeting</i> , 2010, 2010.6, 75-76.	0.0	0
120	<i>Chlamydomonas</i> CAV2 Encodes a Voltage- Dependent Calcium Channel Required for the Flagellar Waveform Conversion. <i>Current Biology</i> , 2009, 19, 133-139.	3.9	96
121	Regulation of endothelin-1-induced interleukin-6 production by Ca ²⁺ influx in human airway smooth muscle cells. <i>European Journal of Pharmacology</i> , 2009, 605, 15-22.	3.5	31
122	Repetitive stretch suppresses denervation-induced atrophy of soleus muscle in rats. <i>Muscle and Nerve</i> , 2009, 39, 456-462.	2.2	37
123	DHEA-Neuroprotection and -Neurotoxicity after Transient Cerebral Ischemia in Rats. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2009, 29, 287-296.	4.3	58
124	Stress-Axis Regulated Exon (STREX) in the C terminus of BKCa channels is responsible for the stretch sensitivity. <i>Biochemical and Biophysical Research Communications</i> , 2009, 385, 634-639.	2.1	33
125	Mechanical stretch enhances IL-8 production in pulmonary microvascular endothelial cells. <i>Biochemical and Biophysical Research Communications</i> , 2009, 389, 531-536.	2.1	70
126	Roles of Disrupted-In-Schizophrenia 1-Interacting Protein Girdin in Postnatal Development of the Dentate Gyrus. <i>Neuron</i> , 2009, 63, 774-787.	8.1	164

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127	Deficits in development of synaptic plasticity in rat dorsal striatum following prenatal and neonatal exposure to low-dose bisphenol A. <i>Neuroscience</i> , 2009, 159, 161-171.	2.3	45
128	Structural Changes in the Cytoplasmic Domain of the Mechanosensitive Channel MscS During Opening. <i>Biophysical Journal</i> , 2009, 97, 1048-1057.	0.5	45
129	2P-009 Effects of tensile force on mechanical properties of actin filament(Protein:Structure,The 47th) Tj ETQq1 1 0.784314 rgBT /Over	0.1	0
130	3P-163 Force-dependent assembly of adhesion-related proteins in an in vitro model of adhesive structures(Cell biology,The 47th Annual Meeting of the Biophysical Society of Japan). <i>Seibutsu Butsur</i> , 2009, 49, S178-S179.	0.1	0
131	1P-154 Multi Pathways with Different Kinetics Contribute to ATP Releases in Mammary Epithelial Cells(Cell biology, The 47th Annual Meeting of the Biophysical Society of Japan). <i>Seibutsu Butsur</i> , 2009, 49, S86.	0.1	0
132	1P-152 Tension-dependent association of the actin-regulatory protein zyxin with stress fibers(Cell) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50	0.1	0
133	1TA1-06 Does a non-mechanosensitive ion channel really not open by mechanical force? : A coarse grained molecular dynamics simulation study(The 47th Annual Meeting of the Biophysical Society of) Tj ETQq1 1 0.784314 rgBT /Over	0.1	0
134	1P-153 Restricted motion of actin filament reduces binding of cofilin to the filament(Cell biology, The) Tj ETQq0 0 0 rgBT /Overlock 10 T	0.1	0
135	323 Structural Fluctuation and Mechanical Properties of Actin Filament. <i>The Proceedings of the Bioengineering Conference Annual Meeting of BED//SME</i> , 2009, 2008.21, 137-138.	0.0	0
136	2019 Effects of tensile force on interactive energy between actin subunits. <i>The Proceedings of the Computational Mechanics Conference</i> , 2009, 2009.22, 778-779.	0.0	0
137	Transient receptor potential vanilloid 4 deficiency suppresses unloading-induced bone loss. <i>Journal of Cellular Physiology</i> , 2008, 216, 47-53.	4.1	103
138	Tuning the mechanosensitivity of a BK channel by changing the linker length. <i>Cell Research</i> , 2008, 18, 871-878.	12.0	37
139	Interaction between the Cytoplasmic and Transmembrane Domains of the Mechanosensitive Channel MscS. <i>Biophysical Journal</i> , 2008, 94, 1638-1645.	0.5	49
140	Two different molecular mechanisms underlying progesterone neuroprotection against ischemic brain damage. <i>Neuropharmacology</i> , 2008, 55, 127-138.	4.1	128
141	Nitric oxide (NO) increase at fertilization in sea urchin eggs upregulates fertilization envelope hardening. <i>Developmental Biology</i> , 2008, 322, 251-262.	2.0	10
142	Mechano-sensitive channels regulate the stomatal aperture in <i>Vicia faba</i> . <i>Biochemical and Biophysical Research Communications</i> , 2008, 366, 758-762.	2.1	21
143	Effects of tensile and compressive strains on response of a chondrocytic cell line embedded in type I collagen gel. <i>Journal of Biotechnology</i> , 2008, 133, 245-252.	3.8	26
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161	Dynamics of actin filaments during tension-dependent formation of actin bundles. <i>Biochimica Et Biophysica Acta - General Subjects</i> , 2007, 1770, 1115-1127.	2.4	43
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175	1P328 Molecular mechanism of stretch-induced deadhesion of integrin in endothelial cells : involvement of clathrin-dependent endocytosis(11. Morphogenesis and cell adhesion,Poster) Tj ETQq1 1 0.784314rgBT /Overlock 10	0.1	0
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