

Akira Nagasaki

List of Publications by Year in descending order

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Version: 2024-02-01

41
papers

1,269
citations

361413

20
h-index

377865

34
g-index

42
all docs

42
docs citations

42
times ranked

1213
citing authors

#	ARTICLE	IF	CITATIONS
1	Stretching Actin Filaments within Cells Enhances their Affinity for the Myosin II Motor Domain. PLoS ONE, 2011, 6, e26200.	2.5	135
2	Confirmation by FRET in individual living cells of the absence of significant amyloid β -mediated caspase 8 activation. Proceedings of the National Academy of Sciences of the United States of America, 2002, 99, 14716-14721.	7.1	95
3	Adhesion-dependent and Contractile Ring-independent Equatorial Furrowing during Cytokinesis in Mammalian Cells. Molecular Biology of the Cell, 2005, 16, 3865-3872.	2.1	86
4	Multiple Myosin II Heavy Chain Kinases: Roles in Filament Assembly Control and Proper Cytokinesis in Dictyostelium. Molecular Biology of the Cell, 2005, 16, 4256-4266.	2.1	78
5	Correlated waves of actin filaments and PIP ₃ in <i>Dictyostelium</i> cells. Cytoskeleton, 2008, 65, 923-934.	4.4	64
6	Octacosanol affects lipid metabolism in rats fed on a high-fat diet. British Journal of Nutrition, 1995, 73, 433-441.	2.3	61
7	Genetic and morphological evidence for two parallel pathways of cell-cycle-coupled cytokinesis in <i>Dictyostelium</i> . Journal of Cell Science, 2002, 115, 2241-2251.	2.0	61
8	Genetic and morphological evidence for two parallel pathways of cell-cycle-coupled cytokinesis in Dictyostelium. Journal of Cell Science, 2002, 115, 2241-51.	2.0	47
9	Variations on a theme: the many modes of cytokinesis. Current Opinion in Cell Biology, 2004, 16, 55-60.	5.4	46
10	Keratocyte-like locomotion in <i>amiB</i> -null <i>Dictyostelium</i> cells. Cytoskeleton, 2004, 59, 17-27.	4.4	46
11	Allosteric regulation by cooperative conformational changes of actin filaments drives mutually exclusive binding with cofilin and myosin. Scientific Reports, 2016, 6, 35449.	3.3	40
12	Cell adhesion molecules regulate contractile ring-independent cytokinesis in <i>Dictyostelium discoideum</i> . Cell Research, 2009, 19, 236-246.	12.0	39
13	Overlapping Functions of the Two Talin Homologues in <i>Dictyostelium</i> . Eukaryotic Cell, 2008, 7, 906-916.	3.4	34
14	The Position of the GFP Tag on Actin Affects the Filament Formation in Mammalian Cells. Cell Structure and Function, 2017, 42, 131-140.	1.1	34
15	<i>Arabidopsis</i> vegetative actin isoforms, AtACT2 and AtACT7, generate distinct filament arrays in living plant cells. Scientific Reports, 2018, 8, 4381.	3.3	32
16	Novel Functions of Ect2 in Polar Lamellipodia Formation and Polarity Maintenance during Contractile Ring-Independent Cytokinesis in Adherent Cells. Molecular Biology of the Cell, 2008, 19, 8-16.	2.1	29
17	Novel Myosin Heavy Chain Kinase Involved in Disassembly of Myosin II Filaments and Efficient Cleavage in Mitotic <i>Dictyostelium</i> Cells. Molecular Biology of the Cell, 2002, 13, 4333-4342.	2.1	27
18	On-chip screening method for cell migration genes based on a transfection microarray. Lab on A Chip, 2008, 8, 1502.	6.0	27

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19	Dictyostelium Discoideum Talin A is Crucial for Myosin II-Independent and Adhesion-Dependent Cytokinesis. <i>Journal of Muscle Research and Cell Motility</i> , 2004, 25, 127-140.	2.0	25
20	Vitamin A Regulates the Expression of Apolipoprotein AI and CIII Genes in the Rat. <i>Biochemical and Biophysical Research Communications</i> , 1994, 205, 1510-1517.	2.1	23
21	Multiple Parallelisms in Animal Cytokinesis. <i>International Review of Cytology</i> , 2004, 240, 377-432.	6.2	19
22	Quantitative measurements of intercellular adhesion between a macrophage and cancer cells using a cup-attached AFM chip. <i>Colloids and Surfaces B: Biointerfaces</i> , 2017, 155, 366-372.	5.0	19
23	Differential contributions of nonmuscle myosin IIA and IIB to cytokinesis in human immortalized fibroblasts. <i>Experimental Cell Research</i> , 2019, 376, 67-76.	2.6	19
24	Screening of genes involved in cell migration in Dictyostelium. <i>Experimental Cell Research</i> , 2008, 314, 1136-1146.	2.6	18
25	Fascin in lamellipodia contributes to cell elasticity by controlling the orientation of filamentous actin. <i>Genes To Cells</i> , 2019, 24, 202-213.	1.2	17
26	A Novel Dictyostelium discoideum Gene Required for cAMP-Dependent Cell Aggregation. <i>Biochemical and Biophysical Research Communications</i> , 1998, 244, 505-513.	2.1	16
27	Bioluminescent imaging of Arabidopsis thaliana using an enhanced Nano-lantern luminescence reporter system. <i>PLoS ONE</i> , 2020, 15, e0227477.	2.5	16
28	DWWA, a Novel Protein Containing Two WW Domains and an IQ Motif, Is Required for Scission of the Residual Cytoplasmic Bridge during Cytokinesis in Dictyostelium. <i>Molecular Biology of the Cell</i> , 2004, 15, 435-446.	2.1	15
29	Desalted Deep Sea Water Increases Transformation and Homologous Recombination Efficiencies in <i>Dictyostelium discoideum</i> . <i>Journal of Molecular Microbiology and Biotechnology</i> , 2008, 14, 157-162.	1.0	13
30	Advances in Cytokinesis Research. Genetic Approaches to Dissect the Mechanisms of Two Distinct Pathways of Cell Cycle-coupled Cytokinesis in Dictyostelium.. <i>Cell Structure and Function</i> , 2001, 26, 585-591.	1.1	12
31	Rapid Nucleotide Exchange Renders Asp-11 Mutant Actins Resistant to Depolymerizing Activity of Cofilin, Leading to Dominant Toxicity in Vivo. <i>Journal of Biological Chemistry</i> , 2013, 288, 1739-1749.	3.4	11
32	Phospholipase D Is Essential for Keratocyte-like Migration of NBT-II Cells. <i>Cell Structure and Function</i> , 2008, 33, 27-33.	1.1	11
33	Chemotaxis-mediated scission contributes to efficient cytokinesis in Dictyostelium. <i>Cytoskeleton</i> , 2008, 65, 896-903.	4.4	9
34	A genome editing vector that enables easy selection and identification of knockout cells. <i>Plasmid</i> , 2018, 98, 37-44.	1.4	9
35	A novel shRNA vector that enables rapid selection and identification of knockdown cells. <i>Plasmid</i> , 2007, 58, 190-194.	1.4	7
36	Stabilization of anaphase midzone microtubules is regulated by Rho during cytokinesis in human fibrosarcoma cells. <i>Experimental Cell Research</i> , 2009, 315, 2705-2714.	2.6	6

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37	Actin binding domain of filamin distinguishes posterior from anterior actin filaments in migrating &i>Dictyostelium&i> cells. <i>Biophysics and Physicobiology</i> , 2016, 13, 321-331.	1.0	6
38	Characterization of phalloidinâ€negative nuclear actin filaments in <scp>U2OS</scp> cells expressing cytoplasmic <scp>actinâ€EGFP</scp>. <i>Genes To Cells</i> , 2022, 27, 317-330.	1.2	6
39	Identification of kinases and regulatory proteins required for cell migration using a transfected cell-microarray system. <i>BMC Genetics</i> , 2015, 16, 9.	2.7	4
40	Transfection Microarrays for High-Throughput Phenotypic Screening of Genes Involved in Cell Migration. <i>Methods in Molecular Biology</i> , 2010, 629, 191-201.	0.9	4
41	<i>Dictyostelium</i> TRFA Homologous to Yeast Ssn6 Is Required for Normal Growth and Early Development. <i>Journal of Biological Chemistry</i> , 1998, 273, 24654-24659.	3.4	3