

# 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	Characterization of phalloidinâ€negative nuclear actin filaments in <sc>U2OS</sc> cells expressing cytoplasmic <sc>actinâ€EGFP</sc>. <i>Genes To Cells</i> , 2022, 27, 317-330.	1.2	6
2	Bioluminescent imaging of <i>Arabidopsis thaliana</i> using an enhanced Nano-lantern luminescence reporter system. <i>PLoS ONE</i> , 2020, 15, e0227477.	2.5	16
3	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
4	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
5	<i>Arabidopsis</i> vegetative actin isoforms, AtACT2 and AtACT7, generate distinct filament arrays in living plant cells. <i>Scientific Reports</i> , 2018, 8, 4381.	3.3	32
6	A genome editing vector that enables easy selection and identification of knockout cells. <i>Plasmid</i> , 2018, 98, 37-44.	1.4	9
7	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
8	The Position of the GFP Tag on Actin Affects the Filament Formation in Mammalian Cells. <i>Cell Structure and Function</i> , 2017, 42, 131-140.	1.1	34
9	Allosteric regulation by cooperative conformational changes of actin filaments drives mutually exclusive binding with cofilin and myosin. <i>Scientific Reports</i> , 2016, 6, 35449.	3.3	40
10	Actin binding domain of filamin distinguishes posterior from anterior actin filaments in migrating &lt;i>Dictyostelium</i> cells. <i>Biophysics and Physicobiology</i> , 2016, 13, 321-331.	1.0	6
11	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
12	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
13	Stretching Actin Filaments within Cells Enhances their Affinity for the Myosin II Motor Domain. <i>PLoS ONE</i> , 2011, 6, e26200.	2.5	135
14	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
15	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
16	Cell adhesion molecules regulate contractile ring-independent cytokinesis in <i>Dictyostelium discoideum</i> . <i>Cell Research</i> , 2009, 19, 236-246.	12.0	39
17	Chemotaxisâ€mediated scission contributes to efficient cytokinesis in <i>Dictyostelium</i> . <i>Cytoskeleton</i> , 2008, 65, 896-903.	4.4	9
18	Correlated waves of actin filaments and PIP<sub>3</sub> in <i>Dictyostelium</i> cells. <i>Cytoskeleton</i> , 2008, 65, 923-934.	4.4	64

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19	Screening of genes involved in cell migration in Dictyostelium. <i>Experimental Cell Research</i> , 2008, 314, 1136-1146.	2.6	18
20	On-chip screening method for cell migration genes based on a transfection microarray. <i>Lab on A Chip</i> , 2008, 8, 1502.	6.0	27
21	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
22	Novel Functions of Ect2 in Polar Lamellipodia Formation and Polarity Maintenance during Contractile Ring-Independent Cytokinesis in Adherent Cells. <i>Molecular Biology of the Cell</i> , 2008, 19, 8-16.	2.1	29
23	Overlapping Functions of the Two Talin Homologues in <i>Dictyostelium</i> . <i>Eukaryotic Cell</i> , 2008, 7, 906-916.	3.4	34
24	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
25	A novel shRNA vector that enables rapid selection and identification of knockdown cells. <i>Plasmid</i> , 2007, 58, 190-194.	1.4	7
26	Adhesion-dependent and Contractile Ring-independent Equatorial Furrowing during Cytokinesis in Mammalian Cells. <i>Molecular Biology of the Cell</i> , 2005, 16, 3865-3872.	2.1	86
27	Multiple Myosin II Heavy Chain Kinases: Roles in Filament Assembly Control and Proper Cytokinesis in <i>Dictyostelium</i> . <i>Molecular Biology of the Cell</i> , 2005, 16, 4256-4266.	2.1	78
28	Multiple Parallelisms in Animal Cytokinesis. <i>International Review of Cytology</i> , 2004, 240, 377-432.	6.2	19
29	DWWA, a Novel Protein Containing Two WW Domains and an IQ Motif, Is Required for Scission of the Residual Cytoplasmic Bridge during Cytokinesis in <i>Dictyostelium</i> . <i>Molecular Biology of the Cell</i> , 2004, 15, 435-446.	2.1	15
30	Variations on a theme: the many modes of cytokinesis. <i>Current Opinion in Cell Biology</i> , 2004, 16, 55-60.	5.4	46
31	<i>Dictyostelium Discoideum</i> 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
32	Keratocyte-like locomotion in <i>amiB</i> -null <i>Dictyostelium</i> cells. <i>Cytoskeleton</i> , 2004, 59, 17-27.	4.4	46
33	Novel Myosin Heavy Chain Kinase Involved in Disassembly of Myosin II Filaments and Efficient Cleavage in Mitotic <i>Dictyostelium</i> Cells. <i>Molecular Biology of the Cell</i> , 2002, 13, 4333-4342.	2.1	27
34	Confirmation by FRET in individual living cells of the absence of significant amyloid $\beta$ -mediated caspase 8 activation. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2002, 99, 14716-14721.	7.1	95
35	Genetic and morphological evidence for two parallel pathways of cell-cycle-coupled cytokinesis in <i>Dictyostelium</i> . <i>Journal of Cell Science</i> , 2002, 115, 2241-2251.	2.0	61
36	Genetic and morphological evidence for two parallel pathways of cell-cycle-coupled cytokinesis in <i>Dictyostelium</i> . <i>Journal of Cell Science</i> , 2002, 115, 2241-51.	2.0	47

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37	Advances in Cytokinesis Research. Genetic Approaches to Dissect the Mechanisms of Two Distinct Pathways of Cell Cycle-coupled Cytokinesis in Dictyostelium.. Cell Structure and Function, 2001, 26, 585-591.	1.1	12
38	A Novel Dictyostelium discoideum Gene Required for cAMP-Dependent Cell Aggregation. Biochemical and Biophysical Research Communications, 1998, 244, 505-513.	2.1	16
39	Dictyostelium TRFA Homologous to Yeast Ssn6 Is Required for Normal Growth and Early Development. Journal of Biological Chemistry, 1998, 273, 24654-24659.	3.4	3
40	Octacosanol affects lipid metabolism in rats fed on a high-fat diet. British Journal of Nutrition, 1995, 73, 433-441.	2.3	61
41	Vitamin A Regulates the Expression of Apolipoprotein AI and CIII Genes in the Rat. Biochemical and Biophysical Research Communications, 1994, 205, 1510-1517.	2.1	23