

Annette MÃ¼ller-Taubenberger

List of Publications by Year in descending order

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76
papers

3,504
citations

147726

31
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143943

57
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78
all docs

78
docs citations

78
times ranked

2765
citing authors

#	ARTICLE	IF	CITATIONS
1	Dynamic Actin Patterns and Arp2/3 Assembly at the Substrate-Attached Surface of Motile Cells. <i>Current Biology</i> , 2004, 14, 1-10.	1.8	256
2	Calreticulin and calnexin in the endoplasmic reticulum are important for phagocytosis. <i>EMBO Journal</i> , 2001, 20, 6772-6782.	3.5	219
3	The Three-Dimensional Dynamics of Actin Waves, a Model of Cytoskeletal Self-Organization. <i>Biophysical Journal</i> , 2009, 96, 2888-2900.	0.2	182
4	Mobile Actin Clusters and Traveling Waves in Cells Recovering from Actin Depolymerization. <i>Biophysical Journal</i> , 2004, 87, 3493-3503.	0.2	179
5	Talin-Null Cells of Dictyostelium Are Strongly Defective in Adhesion to Particle and Substrate Surfaces and Slightly Impaired in Cytokinesis. <i>Journal of Cell Biology</i> , 1997, 138, 349-361.	2.3	136
6	A brilliant monomeric red fluorescent protein to visualize cytoskeleton dynamics in Dictyostelium. <i>FEBS Letters</i> , 2004, 577, 227-232.	1.3	135
7	Dynamics of the Dictyostelium Arp2/3 complex in endocytosis, cytokinesis, and chemotaxis. <i>Cytoskeleton</i> , 2001, 50, 115-128.	4.4	126
8	Daip1, a Dictyostelium Homologue of the Yeast Actin-Interacting Protein 1, Is Involved in Endocytosis, Cytokinesis, and Motility. <i>Journal of Cell Biology</i> , 1999, 146, 453-464.	2.3	116
9	Towards a molecular understanding of human diseases using Dictyostelium discoideum. <i>Trends in Molecular Medicine</i> , 2006, 12, 415-424.	3.5	105
10	Subsecond reorganization of the actin network in cell motility and chemotaxis. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2005, 102, 7601-7606.	3.3	104
11	Recent advances using green and red fluorescent protein variants. <i>Applied Microbiology and Biotechnology</i> , 2007, 77, 1-12.	1.7	103
12	A talin homologue of Dictyostelium rapidly assembles at the leading edge of cells in response to chemoattractant.. <i>Journal of Cell Biology</i> , 1995, 129, 179-188.	2.3	100
13	Activation of Ran GTPase by a Legionella Effector Promotes Microtubule Polymerization, Pathogen Vacuole Motility and Infection. <i>PLoS Pathogens</i> , 2013, 9, e1003598.	2.1	94
14	Simple system " substantial share: The use of Dictyostelium in cell biology and molecular medicine. <i>European Journal of Cell Biology</i> , 2013, 92, 45-53.	1.6	88
15	Ubiquitin gene expression in Dictyostelium is induced by heat and cold shock, cadmium, and inhibitors of protein synthesis. <i>Journal of Cell Science</i> , 1988, 90, 51-58.	1.2	80
16	PIP3 Waves and PTEN Dynamics in the Emergence of Cell Polarity. <i>Biophysical Journal</i> , 2012, 103, 1170-1178.	0.2	76
17	Proteasomes from Dictyostelium discoideum: Characterization of Structure and Function. <i>Journal of Structural Biology</i> , 1993, 111, 135-147.	1.3	74
18	14-3-3 Coordinates Microtubules, Rac, and Myosin II to Control Cell Mechanics and Cytokinesis. <i>Current Biology</i> , 2010, 20, 1881-1889.	1.8	72

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19	Reversal of Cell Polarity and Actin-Myosin Cytoskeleton Reorganization under Mechanical and Chemical Stimulation. <i>Biophysical Journal</i> , 2008, 94, 1063-1074.	0.2	69
20	The contractile vacuole network of <i>Dictyostelium</i> as a distinct organelle: its dynamics visualized by a GFP marker protein. <i>Journal of Cell Science</i> , 1999, 112, 3995-4005.	1.2	68
21	Curvature recognition and force generation in phagocytosis. <i>BMC Biology</i> , 2010, 8, 154.	1.7	62
22	Attenuation of Phospholipid Signaling Provides a Novel Mechanism for the Action of Valproic Acid. <i>Eukaryotic Cell</i> , 2007, 6, 899-906.	3.4	58
23	A Lim protein involved in the progression of cytokinesis and regulation of the mitotic spindle. <i>Cytoskeleton</i> , 2003, 56, 130-139.	4.4	53
24	Icm/Dot-dependent inhibition of phagocyte migration by <i>Legionella</i> is antagonized by a translocated Ran GTPase activator. <i>Cellular Microbiology</i> , 2014, 16, n/a-n/a.	1.1	52
25	Replacement of the phospholipid-anchor in the contact site A glycoprotein of <i>D. discoideum</i> by a transmembrane region does not impede cell adhesion but reduces residence time on the cell surface. <i>Journal of Cell Biology</i> , 1994, 124, 205-215.	2.3	38
26	The contractile vacuole in Ca ²⁺ -regulation in <i>Dictyostelium</i> : its essential function for cAMP-induced Ca ²⁺ -influx. <i>BMC Developmental Biology</i> , 2006, 6, 31.	2.1	36
27	Application of Fluorescent Protein Tags as Reporters in Live-Cell Imaging Studies. , 2006, 346, 229-246.		36
28	Complete cDNA sequence of a <i>Dictyostelium</i> ubiquitin with a carboxy-terminal tail and identification of the protein using an anti-peptide antibody. <i>FEBS Letters</i> , 1988, 229, 273-278.	1.3	34
29	Differential localization of the <i>Dictyostelium</i> kinase DPAKa during cytokinesis and cell migration. <i>Journal of Muscle Research and Cell Motility</i> , 2002, 23, 751-763.	0.9	34
30	Overlapping Functions of the Two Talin Homologues in <i>Dictyostelium</i> . <i>Eukaryotic Cell</i> , 2008, 7, 906-916.	3.4	34
31	Transcript regulation and carboxyterminal extension of ubiquitin in <i>Dictyostelium discoideum</i> . <i>FEBS Letters</i> , 1986, 209, 92-96.	1.3	33
32	Mechanically Induced Actin-mediated Rocketing of Phagosomes. <i>Molecular Biology of the Cell</i> , 2006, 17, 4866-4875.	0.9	32
33	Time-resolved responses to chemoattractant, characteristic of the front and tail of <i>Dictyostelium</i> cells. <i>FEBS Letters</i> , 2006, 580, 6707-6713.	1.3	30
34	The Actinome of <i>Dictyostelium discoideum</i> in Comparison to Actins and Actin-Related Proteins from Other Organisms. <i>PLoS ONE</i> , 2008, 3, e2654.	1.1	30
35	Fluorescent Reporters and Methods to Analyze Fluorescent Signals. <i>Methods in Molecular Biology</i> , 2013, 983, 93-112.	0.4	29
36	The pH-sensitive Actin-binding Protein Hisactophilin of <i>Dictyostelium</i> Exists in Two Isoforms Which Both Are Myristoylated and Distributed between Plasma Membrane and Cytoplasm. <i>Journal of Biological Chemistry</i> , 1995, 270, 596-602.	1.6	28

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37	Monomeric red fluorescent protein variants used for imaging studies in different species. <i>European Journal of Cell Biology</i> , 2006, 85, 1119-1129.	1.6	27
38	Genetic evidence for concerted control of actin dynamics in cytokinesis, endocytic traffic, and cell motility by coronin and Aip1. <i>Cytoskeleton</i> , 2010, 67, 442-455.	1.0	27
39	A Cdc42- and Rac-interactive binding (CRIB) domain mediates functions of coronin. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014, 111, E25-33.	3.3	27
40	A developmentally regulated gene product from <i>Dictyostelium discoideum</i> shows high homology to human α -L-fucosidase. <i>FEBS Letters</i> , 1989, 246, 185-192.	1.3	24
41	[15] GFP-Fusion proteins as fluorescent reporters to study organelle and cytoskeleton dynamics in chemotaxis and phagocytosis. <i>Methods in Enzymology</i> , 2003, 361, 320-337.	0.4	24
42	Visualizing cytoskeleton dynamics in mammalian cells using a humanized variant of monomeric red fluorescent protein. <i>FEBS Letters</i> , 2006, 580, 2495-2502.	1.3	23
43	A Coronin7 Homolog with Functions in Actin-driven Processes*. <i>Journal of Biological Chemistry</i> , 2010, 285, 9249-9261.	1.6	23
44	Release of Ca ²⁺ from the Endoplasmic Reticulum Contributes to Ca ²⁺ Signaling in <i>Dictyostelium discoideum</i> . <i>Eukaryotic Cell</i> , 2005, 4, 1513-1525.	3.4	22
45	Actin-binding proteins required for reliable chromosome segregation in mitosis. <i>Cytoskeleton</i> , 2004, 57, 18-25.	4.4	21
46	Redundant and unique roles of coronin proteins in <i>Dictyostelium</i> . <i>Cellular and Molecular Life Sciences</i> , 2011, 68, 303-313.	2.4	19
47	A new mechanism for cannabidiol in regulating the one-carbon cycle and methionine levels in <i>Dictyostelium</i> and in mammalian epilepsy models. <i>British Journal of Pharmacology</i> , 2020, 177, 912-928.	2.7	19
48	Filamin A promotes efficient migration and phagocytosis of neutrophil-like HL-60 cells. <i>European Journal of Cell Biology</i> , 2017, 96, 553-566.	1.6	18
49	Identification of a cis-Acting Element Controlling Induction of Early Gene Expression in <i>Dictyostelium discoideum</i> . <i>Molecular and Cellular Biology</i> , 1989, 9, 4653-4659.	1.1	16
50	The STE group kinase SepA controls cleavage furrow formation in <i>Dictyostelium</i> . <i>Cytoskeleton</i> , 2009, 66, 929-939.	4.4	15
51	Local Ras activation, PTEN pattern, and global actin flow in the chemotactic responses of over-sized cells. <i>Journal of Cell Science</i> , 2016, 129, 3462-72.	1.2	15
52	The Glucocorticoid Receptor NR3C1 in Testicular Peritubular Cells is Developmentally Regulated and Linked to the Smooth Muscle-Like Cellular Phenotype. <i>Journal of Clinical Medicine</i> , 2020, 9, 961.	1.0	15
53	Ate1-mediated posttranslational arginylation affects substrate adhesion and cell migration in <i>Dictyostelium discoideum</i> . <i>Molecular Biology of the Cell</i> , 2019, 30, 453-466.	0.9	14
54	Actin-Interacting Protein 1 Contributes to Intranuclear Rod Assembly in <i>Dictyostelium discoideum</i> . <i>Scientific Reports</i> , 2017, 7, 40310.	1.6	13

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55	Formins specify membrane patterns generated by propagating actin waves. <i>Molecular Biology of the Cell</i> , 2020, 31, 373-385.	0.9	12
56	The histone methyltransferase Dot1 is required for DNA damage repair and proper development in <i>Dictyostelium</i> . <i>Biochemical and Biophysical Research Communications</i> , 2011, 404, 1016-1022.	1.0	11
57	Regulation of a LATS-homolog by Ras GTPases is important for the control of cell division. <i>BMC Cell Biology</i> , 2014, 15, 25.	3.0	11
58	Two Novel Src Homology 2 Domain Proteins Interact to Regulate <i>Dictyostelium</i> Gene Expression during Growth and Early Development. <i>Journal of Biological Chemistry</i> , 2010, 285, 22927-22935.	1.6	9
59	Coronin7 regulates WASP and SCAR through CRIB mediated interaction with Rac proteins. <i>Scientific Reports</i> , 2015, 5, 14437.	1.6	9
60	The Actin Regulator Coronin-1A Modulates Platelet Shape Change and Consolidates Arterial Thrombosis. <i>Thrombosis and Haemostasis</i> , 2018, 118, 2098-2111.	1.8	9
61	Filamin A Orchestrates Cytoskeletal Structure, Cell Migration and Stem Cell Characteristics in Human Seminoma TCam-2 Cells. <i>Cells</i> , 2020, 9, 2563.	1.8	8
62	Unilateral Cleavage Furrows in Multinucleate Cells. <i>Cells</i> , 2020, 9, 1493.	1.8	8
63	Asymmetric Elastic Properties of <i>Dictyostelium discoideum</i> in Relation to Chemotaxis. <i>Langmuir</i> , 2007, 23, 9352-9357.	1.6	7
64	The NDR Family Kinase NdrA of <i>Dictyostelium</i> Localizes to the Centrosome and Is Required for Efficient Phagocytosis. <i>Traffic</i> , 2011, 12, 301-312.	1.3	7
65	The <i>Dictyostelium discoideum</i> RACK1 orthologue has roles in growth and development. <i>Cell Communication and Signaling</i> , 2014, 12, 37.	2.7	7
66	Balanced cortical stiffness is important for efficient migration of <i>Dictyostelium</i> cells in confined environments. <i>Biochemical and Biophysical Research Communications</i> , 2015, 467, 730-735.	1.0	7
67	A non-mitotic CENP-E homolog in <i>Dictyostelium discoideum</i> with slow motor activity. <i>Biochemical and Biophysical Research Communications</i> , 2013, 431, 490-495.	1.0	6
68	From cell-cell adhesion and cellular oscillations to spectacular views inside the cell – 50 years of research with <i>Dictyostelium</i> . <i>European Journal of Cell Biology</i> , 2006, 85, 851-858.	1.6	5
69	Centrosome Positioning in Migrating <i>Dictyostelium</i> Cells. <i>Cells</i> , 2022, 11, 1776.	1.8	5
70	Aberrant spindle dynamics and cytokinesis in <i>Dictyostelium discoideum</i> cells that lack glycogen synthase kinase 3. <i>European Journal of Cell Biology</i> , 2013, 92, 222-228.	1.6	4
71	EB1 contributes to proper front-to-back polarity in neutrophil-like HL-60 cells. <i>European Journal of Cell Biology</i> , 2017, 96, 143-153.	1.6	4
72	Actin assembly states in <i>Dictyostelium discoideum</i> at different stages of development and during cellular stress. <i>International Journal of Developmental Biology</i> , 2019, 63, 417-427.	0.3	4

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73	Formation of Cytoplasmic Actin-Cofilin Rods is Triggered by Metabolic Stress and Changes in Cellular pH. <i>Frontiers in Cell and Developmental Biology</i> , 2021, 9, 742310.	1.8	3
74	Editorial: Dictyostelium: A Tractable Cell and Developmental Model in Biomedical Research. <i>Frontiers in Cell and Developmental Biology</i> , 2022, 10, 909619.	1.8	2
75	A Dictyostelium discoideum mitochondrial fluorescent tagging vector that does not affect respiratory function. <i>Biochemistry and Biophysics Reports</i> , 2020, 22, 100751.	0.7	1
76	<i>Dictyostelium</i> spastin is involved in nuclear envelope dynamics during semi-closed mitosis. <i>Nucleus</i> , 2022, 13, 144-153.	0.6	1