

Andrea Dianza

List of Publications by Year in descending order

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52
papers

4,069
citations

109137

35
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205818

48
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59
all docs

59
docs citations

59
times ranked

5106
citing authors

#	ARTICLE	IF	CITATIONS
1	PillarX: A Microfluidic Device to Profile Circulating Tumor Cell Clusters Based on Geometry, Deformability, and Epithelial State. <i>Small</i> , 2022, 18, e2106097.	5.2	17
2	Cargo-specific recruitment in clathrin- and dynamin-independent endocytosis. <i>Nature Cell Biology</i> , 2021, 23, 1073-1084.	4.6	34
3	IRSp53 controls plasma membrane shape and polarized transport at the nascent lumen in epithelial tubules. <i>Nature Communications</i> , 2020, 11, 3516.	5.8	22
4	A self-sustaining endocytic-based loop promotes breast cancer plasticity leading to aggressiveness and pro-metastatic behavior. <i>Nature Communications</i> , 2020, 11, 3020.	5.8	17
5	Is cell migration a selectable trait in the natural evolution of cancer development?. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2019, 374, 20180224.	1.8	4
6	A RAB35-p85/PI3K axis controls oscillatory apical protrusions required for efficient chemotactic migration. <i>Nature Communications</i> , 2018, 9, 1475.	5.8	23
7	A NUMB-FA6-ARF6 recycling route controls apically restricted cell protrusions and mesenchymal motility. <i>Journal of Cell Biology</i> , 2018, 217, 3161-3182.	2.3	18
8	Small GTPases and BAR domain proteins regulate branched actin polymerisation for clathrin and dynamin-independent endocytosis. <i>Nature Communications</i> , 2018, 9, 1835.	5.8	74
9	Endocytic reawakening of motility in jammed epithelia. <i>Nature Materials</i> , 2017, 16, 587-596.	13.3	207
10	Differential identity of Filopodia and Tunneling Nanotubes revealed by the opposite functions of actin regulatory complexes. <i>Scientific Reports</i> , 2016, 6, 39632.	1.6	93
11	Coordinate regulation of microenvironmental stimuli and role of methylation in bone metastasis from breast carcinoma. <i>Biochimica Et Biophysica Acta - Molecular Cell Research</i> , 2016, 1863, 64-76.	1.9	6
12	The actin-binding protein EPS8 binds VE-cadherin and modulates YAP localization and signaling. <i>Journal of General Physiology</i> , 2016, 147, 1472OIA9.	0.9	0
13	The actin-binding protein EPS8 binds VE-cadherin and modulates YAP localization and signaling. <i>Journal of Cell Biology</i> , 2015, 211, 1177-1192.	2.3	62
14	Nuclear and Cellular Plasticity: Nuclear RAC1 Takes Center Stage. <i>Developmental Cell</i> , 2015, 32, 261-263.	3.1	4
15	Mechanism of IRSp53 inhibition and combinatorial activation by Cdc42 and downstream effectors. <i>Nature Structural and Molecular Biology</i> , 2014, 21, 413-422.	3.6	73
16	The CDC42-Interacting Protein 4 Controls Epithelial Cell Cohesion and Tumor Dissemination. <i>Developmental Cell</i> , 2014, 30, 553-568.	3.1	40
17	CDC42 switches IRSp53 from inhibition of actin growth to elongation by clustering of VASP. <i>EMBO Journal</i> , 2013, 32, 2735-2750.	3.5	116
18	SCFFbxw5 mediates transient degradation of actin remodeller Eps8 to allow proper mitotic progression. <i>Nature Cell Biology</i> , 2013, 15, 179-188.	4.6	32

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19	Membrane and actin dynamics interplay at lamellipodia leading edge. <i>Current Opinion in Cell Biology</i> , 2013, 25, 565-573.	2.6	98
20	Eps8 controls dendritic spine density and synaptic plasticity through its actin-capping activity. <i>EMBO Journal</i> , 2013, 32, 1730-1744.	3.5	54
21	Endocytosis in the Spatial Control of Polarised Cell Functions. , 2013, , 75-94.		0
22	LIN7 regulates the filopodia and neurite promoting activity of IRSp53. <i>Journal of Cell Science</i> , 2012, 125, 4543-54.	1.2	20
23	The Signaling Adaptor Eps8 Is an Essential Actin Capping Protein for Dendritic Cell Migration. <i>Immunity</i> , 2011, 35, 388-399.	6.6	43
24	Regulation of Stereocilia Length by Myosin XVa and Whirlin Depends on the Actin-Regulatory Protein Eps8. <i>Current Biology</i> , 2011, 21, 167-172.	1.8	171
25	Secretory and endo/exocytic trafficking in invadopodia formation: The MT1-MMP paradigm. <i>European Journal of Cell Biology</i> , 2011, 90, 108-114.	1.6	54
26	The Eps8/IRSp53/VASP Network Differentially Controls Actin Capping and Bundling in Filopodia Formation. <i>PLoS Computational Biology</i> , 2011, 7, e1002088.	1.5	56
27	Propagating Cell-Membrane Waves Driven by Curved Activators of Actin Polymerization. <i>PLoS ONE</i> , 2011, 6, e18635.	1.1	62
28	Eps8 is recruited to lysosomes and subjected to chaperone-mediated autophagy in cancer cells. <i>Experimental Cell Research</i> , 2010, 316, 1914-1924.	1.2	40
29	Molecular Basis for the Dual Function of Eps8 on Actin Dynamics: Bundling and Capping. <i>PLoS Biology</i> , 2010, 8, e1000387.	2.6	91
30	Endocytic Control of Actin-based Motility. , 2010, , 59-84.		0
31	The Insulin Receptor Substrate of 53 kDa (IRSp53) Limits Hippocampal Synaptic Plasticity. <i>Journal of Biological Chemistry</i> , 2009, 284, 9225-9236.	1.6	78
32	Eps8 Regulates Axonal Filopodia in Hippocampal Neurons in Response to Brain-Derived Neurotrophic Factor (BDNF). <i>PLoS Biology</i> , 2009, 7, e1000138.	2.6	93
33	Requirements for F-BAR Proteins TOCA-1 and TOCA-2 in Actin Dynamics and Membrane Trafficking during <i>Caenorhabditis elegans</i> Oocyte Growth and Embryonic Epidermal Morphogenesis. <i>PLoS Genetics</i> , 2009, 5, e1000675.	1.5	58
34	Induction of <i>HoxB</i> Transcription by Retinoic Acid Requires Actin Polymerization. <i>Molecular Biology of the Cell</i> , 2009, 20, 3543-3551.	0.9	46
35	Cdc42- and IRSp53-dependent contractile filopodia tether presumptive lens and retina to coordinate epithelial invagination. <i>Development (Cambridge)</i> , 2009, 136, 3657-3667.	1.2	82
36	IRSp53 Links the Enterohemorrhagic <i>E. coli</i> Effectors Tir and EspFU for Actin Pedestal Formation. <i>Cell Host and Microbe</i> , 2009, 5, 244-258.	5.1	91

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37	Endocytosis and spatial restriction of cell signaling. <i>Molecular Oncology</i> , 2009, 3, 280-296.	2.1	53
38	Coordination of Membrane and Actin Cytoskeleton Dynamics during Filopodia Protrusion. <i>PLoS ONE</i> , 2009, 4, e5678.	1.1	92
39	Cytoskeletal Regulation: Coordinating Actin and Microtubule Dynamics in Membrane Trafficking. <i>Current Biology</i> , 2008, 18, R873-R875.	1.8	17
40	Wasp and WAVE Family Proteins. , 2007, , 83-96.		1
41	Increased Ethanol Resistance and Consumption in Eps8 Knockout Mice Correlates with Altered Actin Dynamics. <i>Cell</i> , 2006, 127, 213-226.	13.5	120
42	Regulation of cell shape by Cdc42 is mediated by the synergic actin-bundling activity of the Eps8-IRSp53 complex. <i>Nature Cell Biology</i> , 2006, 8, 1337-1347.	4.6	230
43	Palladin binds to Eps8 and enhances the formation of dorsal ruffles and podosomes in vascular smooth muscle cells. <i>Journal of Cell Science</i> , 2006, 119, 3316-3324.	1.2	90
44	Sos-mediated activation of rac1 by p66shc. <i>Journal of Cell Biology</i> , 2006, 172, 817-822.	2.3	83
45	Abi1 regulates the activity of N-WASP and WAVE in distinct actin-based processes. <i>Nature Cell Biology</i> , 2005, 7, 969-976.	4.6	201
46	Actin polymerization machinery: the finish line of signaling networks, the starting point of cellular movement. <i>Cellular and Molecular Life Sciences</i> , 2005, 62, 955-970.	2.4	138
47	The eps8 Family of Proteins Links Growth Factor Stimulation to Actin Reorganization Generating Functional Redundancy in the Ras/Rac Pathway. <i>Molecular Biology of the Cell</i> , 2004, 15, 91-98.	0.9	120
48	Abi1 is essential for the formation and activation of a WAVE2 signalling complex. <i>Nature Cell Biology</i> , 2004, 6, 319-327.	4.6	364
49	A novel actin barbed-end-capping activity in EPS-8 regulates apical morphogenesis in intestinal cells of <i>Caenorhabditis elegans</i> . <i>Nature Cell Biology</i> , 2004, 6, 1173-1179.	4.6	109
50	Eps8 controls actin-based motility by capping the barbed ends of actin filaments. <i>Nature Cell Biology</i> , 2004, 6, 1180-1188.	4.6	197
51	Regulation of actin dynamics by WASP and WAVE family proteins. <i>Trends in Cell Biology</i> , 2004, 14, 303-311.	3.6	265
52	Eps8. <i>The AFCS-nature Molecule Pages</i> , 0, , .	0.2	0