

Igor Weber

List of Publications by Year in descending order

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51
papers

2,569
citations

304368

22
h-index

197535

49
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54
all docs

54
docs citations

54
times ranked

2256
citing authors

#	ARTICLE	IF	CITATIONS
1	Macromolecular Architecture in Eukaryotic Cells Visualized by Cryoelectron Tomography. <i>Science</i> , 2002, 298, 1209-1213.	6.0	782
2	A role for myosin VII in dynamic cell adhesion. <i>Current Biology</i> , 2001, 11, 318-329.	1.8	161
3	Organization of Actin Networks in Intact Filopodia. <i>Current Biology</i> , 2007, 17, 79-84.	1.8	151
4	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
5	Dynamics of the Dictyostelium Arp2/3 complex in endocytosis, cytokinesis, and chemotaxis. <i>Cytoskeleton</i> , 2001, 50, 115-128.	4.4	126
6	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
7	Cytokinesis mediated through the recruitment of cortexillins into the cleavage furrow. <i>EMBO Journal</i> , 1999, 18, 586-594.	3.5	98
8	Recruitment of cortexillin into the cleavage furrow is controlled by Rac1 and IQGAP-related proteins. <i>EMBO Journal</i> , 2001, 20, 3705-3715.	3.5	74
9	Three-dimensional Patterns and Redistribution of Myosin II and Actin in Mitotic Dictyostelium Cells. <i>Journal of Cell Biology</i> , 1997, 139, 1793-1804.	2.3	68
10	Domain analysis of cortexillin I: actin-bundling, PIP2-binding and the rescue of cytokinesis. <i>EMBO Journal</i> , 1999, 18, 5274-5284.	3.5	67
11	A <i>Diaphanous</i> -related formin links Ras signaling directly to actin assembly in macropinocytosis and phagocytosis. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016, 113, E7464-E7473.	3.3	66
12	Cytokinesis without myosin II. <i>Current Opinion in Cell Biology</i> , 2000, 12, 126-132.	2.6	59
13	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
14	Subcellular localization of A and B Nm23/NDPK subunits. <i>Experimental Cell Research</i> , 2004, 298, 275-284.	1.2	48
15	Dynamic organization of the actin system in the motile cells of Dictyostelium. <i>Journal of Muscle Research and Cell Motility</i> , 2002, 23, 639-649.	0.9	42
16	[2] Reflection interference contrast microscopy. <i>Methods in Enzymology</i> , 2003, 361, 34-47.	0.4	41
17	Differential localization of the Dictyostelium kinase DPAKa during cytokinesis and cell migration. <i>Journal of Muscle Research and Cell Motility</i> , 2002, 23, 751-763.	0.9	34
18	A resilient formin-derived cortical actin meshwork in the rear drives actomyosin-based motility in 2D confinement. <i>Nature Communications</i> , 2015, 6, 8496.	5.8	33

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19	A dual role for Rac1 GTPases in the regulation of cell motility. <i>Journal of Cell Science</i> , 2012, 125, 387-398.	1.2	32
20	Two-step positioning of a cleavage furrow by cortexillin and myosin II. <i>Current Biology</i> , 2000, 10, 501-506.	1.8	31
21	Tyrosine phosphorylation of PYK2 mediates heregulin-induced glioma invasion: Novel heregulin/HER3-stimulated signaling pathway in glioma. <i>International Journal of Cancer</i> , 2005, 113, 689-698.	2.3	31
22	Preparation of Multifunctional N-Doped Carbon Quantum Dots from Citrus clementina Peel: Investigating Targeted Pharmacological Activities and the Potential Application for Fe ³⁺ Sensing. <i>Pharmaceuticals</i> , 2021, 14, 857.	1.7	29
23	KANK2 Links F-Actin Focal Adhesions to Microtubules and Regulates Sensitivity to Microtubule Poisons and Cell Migration. <i>Frontiers in Cell and Developmental Biology</i> , 2020, 8, 125.	1.8	22
24	A talin fragment as an actin trap visualizing actin flow in chemotaxis, endocytosis, and cytokinesis. <i>Cytoskeleton</i> , 2002, 53, 136-149.	4.4	19
25	A dual role model for active Rac1 in cell migration. <i>Small GTPases</i> , 2013, 4, 110-115.	0.7	19
26	IQGAP-related protein IqgC suppresses Ras signaling during large-scale endocytosis. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019, 116, 1289-1298.	3.3	19
27	Is there a pilot in a pseudopod?. <i>European Journal of Cell Biology</i> , 2006, 85, 915-924.	1.6	18
28	Application of 4-amino-N-adamantylphthalimide solvatochromic dye for fluorescence microscopy in selective visualization of lipid droplets and mitochondria. <i>Sensors and Actuators B: Chemical</i> , 2019, 286, 52-61.	4.0	18
29	<i>Dictyostelium discoideum</i> Nucleoside Diphosphate Kinase C Plays a Negative Regulatory Role in Phagocytosis, Macropinocytosis and Exocytosis. <i>PLoS ONE</i> , 2011, 6, e26024.	1.1	16
30	The Hedgehog signaling pathway in ovarian teratoma is stimulated by Sonic Hedgehog which induces internalization of Patched. <i>International Journal of Oncology</i> , 2012, 41, 1411-1418.	1.4	14
31	Phase Behavior in Mixtures of Cationic Dimeric and Anionic Monomeric Surfactants. <i>Journal of Dispersion Science and Technology</i> , 2009, 30, 622-633.	1.3	13
32	GFP-golgesin constructs to study Golgi tubulation and post-Golgi vesicle dynamics in phagocytosis. <i>European Journal of Cell Biology</i> , 2004, 83, 297-303.	1.6	12
33	The Subcellular Localization and Oligomerization Preferences of NME1/NME2 upon Radiation-Induced DNA Damage. <i>International Journal of Molecular Sciences</i> , 2020, 21, 2363.	1.8	12
34	Regulation of the Actin Cytoskeleton via Rho GTPase Signalling in <i>Dictyostelium</i> and Mammalian Cells: A Parallel Slalom. <i>Cells</i> , 2021, 10, 1592.	1.8	11
35	Image processing for combined bright-field and reflection interference contrast video microscopy. <i>Computer Methods and Programs in Biomedicine</i> , 1997, 53, 113-118.	2.6	10
36	Advances in Cytokinesis Research. On the Mechanism of Cleavage Furrow Ingression in <i>Dictyostelium</i> . <i>Cell Structure and Function</i> , 2001, 26, 577-584.	0.5	10

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37	Adhesion Complexes Formed by OVCAR-4 Cells on Laminin 1 Differ from Those Observed on Fibronectin. <i>Cell Adhesion and Communication</i> , 1996, 3, 527-539.	1.7	9
38	Protrusion, Retraction and the Efficiency of Cell Locomotion. , 1997, , 33-46.		9
39	The IQGAP-related protein DGAP1 mediates signaling to the actin cytoskeleton as an effector and a sequestrator of Rac1 GTPases. <i>Cellular and Molecular Life Sciences</i> , 2014, 71, 2775-2785.	2.4	9
40	A simple optical configuration for cell tracking by dark-field microscopy. <i>Journal of Microbiological Methods</i> , 2014, 104, 9-11.	0.7	9
41	Quantitative imaging of Rac1 activity in Dictyostelium cells with a fluorescently labelled GTPase-binding domain from DPAKa kinase. <i>Histochemistry and Cell Biology</i> , 2016, 146, 267-279.	0.8	7
42	Adhesion of Dictyostelium Amoebae to Surfaces: A Brief History of Attachments. <i>Frontiers in Cell and Developmental Biology</i> , 2022, 10, .	1.8	7
43	Toward the Structure of Dynamic Membrane-Anchored Actin Networks. <i>Cell Adhesion and Migration</i> , 2007, 1, 145-148.	1.1	6
44	Modulation of small GTPase activity by NME proteins. <i>Laboratory Investigation</i> , 2018, 98, 589-601.	1.7	6
45	A search for a mutation of the Aiolos phosphorylation domain in lymphocytes from patients with leukemia. <i>Haematologica</i> , 2007, 92, 260-261.	1.7	4
46	The Influence of a Protein Fragment Extracted from Abalone Shell Green Layer on the Precipitation of Calcium Carbonate Polymorphs in Aqueous Media. <i>Croatica Chemica Acta</i> , 2013, 86, 39-47.	0.1	3
47	RecBCD- RecFOR-independent pathway of homologous recombination in Escherichia coli. <i>DNA Repair</i> , 2019, 83, 102670.	1.3	3
48	Low-frequency vibrational spectra of cytosine monohydrate single crystals. <i>Journal of Molecular Structure</i> , 1992, 267, 67-72.	1.8	2
49	Role of LrrkA in the Control of Phagocytosis and Cell Motility in Dictyostelium discoideum. <i>Frontiers in Cell and Developmental Biology</i> , 2021, 9, 629200.	1.8	2
50	Receptor Occupancy on an Ellipsoidal Cell in the Presence of a Point Source of a Chemoattractant. <i>Journal of Chemical Information and Modeling</i> , 2005, 45, 1647-1651.	2.5	1
51	Assaying Rho GTPase-Dependent Processes in Dictyostelium discoideum. <i>Methods in Molecular Biology</i> , 2018, 1821, 371-392.	0.4	0