Igor Weber

List of Publications by Year in descending order

51 papers	2,569 citations	304602 22 h-index	197736 49 g-index
54 all docs	54 docs citations	54 times ranked	2256 citing authors

#	Article	IF	Citations
1	Adhesion of Dictyostelium Amoebae to Surfaces: A Brief History of Attachments. Frontiers in Cell and Developmental Biology, 2022, 10, .	1.8	7
2	Role of LrrkA in the Control of Phagocytosis and Cell Motility in Dictyostelium discoideum. Frontiers in Cell and Developmental Biology, 2021, 9, 629200.	1.8	2
3	Regulation of the Actin Cytoskeleton via Rho GTPase Signalling in Dictyostelium and Mammalian Cells: A Parallel Slalom. Cells, 2021, 10, 1592.	1.8	11
4	Preparation of Multifunctional N-Doped Carbon Quantum Dots from Citrus clementina Peel: Investigating Targeted Pharmacological Activities and the Potential Application for Fe3+ Sensing. Pharmaceuticals, 2021, 14, 857.	1.7	29
5	KANK2 Links Î±VÎ²5 Focal Adhesions to Microtubules and Regulates Sensitivity to Microtubule Poisons and Cell Migration. Frontiers in Cell and Developmental Biology, 2020, 8, 125.	1.8	22
6	The Subcellular Localization and Oligomerization Preferences of NME1/NME2 upon Radiation-Induced DNA Damage. International Journal of Molecular Sciences, 2020, 21, 2363.	1.8	12
7	RecBCD- RecFOR-independent pathway of homologous recombination in Escherichia coli. DNA Repair, 2019, 83, 102670.	1.3	3
8	Application of 4-amino-N-adamantylphthalimide solvatochromic dye for fluorescence microscopy in selective visualization of lipid droplets and mitochondria. Sensors and Actuators B: Chemical, 2019, 286, 52-61.	4.0	18
9	IQGAP-related protein IqgC suppresses Ras signaling during large-scale endocytosis. Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 1289-1298.	3.3	19
10	Modulation of small GTPase activity by NME proteins. Laboratory Investigation, 2018, 98, 589-601.	1.7	6
11	Assaying Rho GTPase-Dependent Processes in Dictyostelium discoideum. Methods in Molecular Biology, 2018, 1821, 371-392.	0.4	0
12	Quantitative imaging of Rac1 activity in Dictyostelium cells with a fluorescently labelled GTPase-binding domain from DPAKa kinase. Histochemistry and Cell Biology, 2016, 146, 267-279.	0.8	7
13	A Diaphanous -related formin links Ras signaling directly to actin assembly in macropinocytosis and phagocytosis. Proceedings of the National Academy of Sciences of the United States of America, 2016, 113, E7464-E7473.	3.3	66
14	A resilient formin-derived cortical actin meshwork in the rear drives actomyosin-based motility in 2D confinement. Nature Communications, 2015, 6, 8496.	5.8	33
15	The IQGAP-related protein DGAP1 mediates signaling to the actin cytoskeleton as an effector and a sequestrator of Rac1 GTPases. Cellular and Molecular Life Sciences, 2014, 71, 2775-2785.	2.4	9
16	A simple optical configuration for cell tracking by dark-field microscopy. Journal of Microbiological Methods, 2014, 104, 9-11.	0.7	9
17	The Influence of a Protein Fragment Extracted from Abalone Shell Green Layer on the Precipitation of Calcium Carbonate Polymorphs in Aqueous Media. Croatica Chemica Acta, 2013, 86, 39-47.	0.1	3
18	A dual role model for active Rac1 in cell migration. Small GTPases, 2013, 4, 110-115.	0.7	19

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19	A dual role for Rac1 GTPases in the regulation of cell motility. Journal of Cell Science, 2012, 125, 387-398.	1.2	32
20	The Hedgehog signaling pathway in ovarian teratoma is stimulated by Sonic Hedgehog which induces internalization of Patched. International Journal of Oncology, 2012, 41, 1411-1418.	1.4	14
21	Dictyostelium discoideum Nucleoside Diphosphate Kinase C Plays a Negative Regulatory Role in Phagocytosis, Macropinocytosis and Exocytosis. PLoS ONE, 2011, 6, e26024.	1.1	16
22	Phase Behavior in Mixtures of Cationic Dimeric and Anionic Monomeric Surfactants. Journal of Dispersion Science and Technology, 2009, 30, 622-633.	1.3	13
23	Toward the Structure of Dynamic Membrane-Anchored Actin Networks. Cell Adhesion and Migration, 2007, 1, 145-148.	1.1	6
24	A search for a mutation of the Aiolos phosphorylation domain in lymphocytes from patients with leukemia. Haematologica, 2007, 92, 260-261.	1.7	4
25	Organization of Actin Networks in Intact Filopodia. Current Biology, 2007, 17, 79-84.	1.8	151
26	Is there a pilot in a pseudopod?. European Journal of Cell Biology, 2006, 85, 915-924.	1.6	18
27	Tyrosine phosphorylation of PYK2 mediates heregulin-induced glioma invasion: Novel heregulin/HER3-stimulated signaling pathway in glioma. International Journal of Cancer, 2005, 113, 689-698.	2.3	31
28	Receptor Occupancy on an Ellipsoidal Cell in the Presence of a Point Source of a Chemoattractant. Journal of Chemical Information and Modeling, 2005, 45, 1647-1651.	2.5	1
29	GFP-golvesin constructs to study Golgi tubulation and post-Golgi vesicle dynamics in phagocytosis. European Journal of Cell Biology, 2004, 83, 297-303.	1.6	12
30	Subcellular localization of A and B Nm23/NDPK subunits. Experimental Cell Research, 2004, 298, 275-284.	1.2	48
31	A Lim protein involved in the progression of cytokinesis and regulation of the mitotic spindle. Cytoskeleton, 2003, 56, 130-139.	4.4	53
32	[2] Reflection interference contrast microscopy. Methods in Enzymology, 2003, 361, 34-47.	0.4	41
33	A talin fragment as an actin trap visualizing actin flow in chemotaxis, endocytosis, and cytokinesis. Cytoskeleton, 2002, 53, 136-149.	4.4	19
34	Macromolecular Architecture in Eukaryotic Cells Visualized by Cryoelectron Tomography. Science, 2002, 298, 1209-1213.	6.0	782
35	Dynamic organization of the actin system in the motile cells of Dictyostelium. Journal of Muscle Research and Cell Motility, 2002, 23, 639-649.	0.9	42
36	Differential localization of the Dictyostelium kinase DPAKa during cytokinesis and cell migration. Journal of Muscle Research and Cell Motility, 2002, 23, 751-763.	0.9	34

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37	Advances in Cytokinesis Research. On the Mechanism of Cleavage Furrow Ingression in Dictyostelium.. Cell Structure and Function, 2001, 26, 577-584.	0.5	10
38	Dynamics of theDictyosteliumArp2/3 complex in endocytosis, cytokinesis, and chemotaxis. Cytoskeleton, 2001, 50, 115-128.	4.4	126
39	Recruitment of cortexillin into the cleavage furrow is controlled by Rac1 and IQGAP-related proteins. EMBO Journal, 2001, 20, 3705-3715.	3.5	74
40	A role for myosin VII in dynamic cell adhesion. Current Biology, 2001, 11, 318-329.	1.8	161
41	Cytokinesis without myosin II. Current Opinion in Cell Biology, 2000, 12, 126-132.	2.6	59
42	Two-step positioning of a cleavage furrow by cortexillin and myosin II. Current Biology, 2000, 10, 501-506.	1.8	31
43	Daip1, a Dictyostelium Homologue of the Yeast Actin-Interacting Protein 1, Is Involved in Endocytosis, Cytokinesis, and Motility. Journal of Cell Biology, 1999, 146, 453-464.	2.3	116
44	Domain analysis of cortexillin I: actin-bundling, PIP2-binding and the rescue of cytokinesis. EMBO Journal, 1999, 18, 5274-5284.	3.5	67
45	Cytokinesis mediated through the recruitment of cortexillins into the cleavage furrow. EMBO Journal, 1999, 18, 586-594.	3.5	98
46	Talin-Null Cells of Dictyostelium Are Strongly Defective in Adhesion to Particle and Substrate Surfaces and Slightly Impaired in Cytokinesis. Journal of Cell Biology, 1997, 138, 349-361.	2.3	136
47	Three-dimensional Patterns and Redistribution of Myosin II and Actin in Mitotic Dictyostelium Cells. Journal of Cell Biology, 1997, 139, 1793-1804.	2.3	68
48	Protrusion, Retraction and the Efficiency of Cell Locomotion. , 1997, , 33-46.		9
49	Image processing for combined bright-field and reflection interference contrast video microscopy. Computer Methods and Programs in Biomedicine, 1997, 53, 113-118.	2.6	10
50	Adhesion Complexes Formed by OVCAR-4 Cells on Laminin 1 Differ from Those Observed on Fibronectin. Cell Adhesion and Communication, 1996, 3, 527-539.	1.7	9
51	Low-frequency vibrational spectra of cytosine monohydrate single crystals. Journal of Molecular Structure, 1992, 267, 67-72.	1.8	2