Reinhard Windoffer

List of Publications by Year
in descending order

66 papers	3,038 citations	136950 32 h-index	168389 53 g-index
68 all docs	68 docs citations	68 times ranked	3183 citing authors

#	Article	IF	Citations
1	Keratins as the main component for the mechanical integrity of keratinocytes. Proceedings of the National Academy of Sciences of the United States of America, 2013, 110, 18513-18518.	7.1	183
2	Cytoskeleton in motion: the dynamics of keratin intermediate filaments in epithelia. Journal of Cell Biology, 2011, 194, 669-678.	5.2	169
3	Structure and Function of Desmosomes. International Review of Cytology, 2007, 264, 65-163.	6.2	161
4	Loss of desmoglein 2 suggests essential functions for early embryonic development and proliferation of embryonal stem cells. European Journal of Cell Biology, 2002, 81, 592-598.	3.6	152
5	Keratins control intercellular adhesion involving PKC-Î±â€"mediated desmoplakin phosphorylation. Journal of Cell Biology, 2013, 201, 681-692.	5.2	147
6	Keratins regulate protein biosynthesis through localization of GLUT1 and -3 upstream of AMP kinase and Raptor. Journal of Cell Biology, 2009, 187, 175-184.	5.2	124
7	Epidermolysis Bullosa Simplex-Type Mutations Alter the Dynamics of the Keratin Cytoskeleton and Reveal a Contribution of Actin to the Transport of Keratin Subunits. Molecular Biology of the Cell, 2004, 15, 990-1002.	2.1	91
8	Focal adhesions are hotspots for keratin filament precursor formation. Journal of Cell Biology, 2006, 173, 341-348.	5.2	91
9	p38 MAPK-dependent shaping of the keratin cytoskeleton in cultured cells. Journal of Cell Biology, 2007, 177, 795-807.	5.2	87
10	Identification of Novel Principles of Keratin Filament Network Turnover in Living Cells. Molecular Biology of the Cell, 2004, 15, 2436-2448.	2.1	86
11	Induction of rapid and reversible cytokeratin filament network remodeling by inhibition of tyrosine phosphatases. Journal of Cell Science, 2002, 115, 4133-4148.	2.0	79
12	Desmosomes: interconnected calcium-dependent structures of remarkable stability with significant integral membrane protein turnover. Journal of Cell Science, 2002, 115, 1717-1732.	2.0	78
13	Desmosome Assembly and Cell-Cell Adhesion Are Membrane Raft-dependent Processes. Journal of Biological Chemistry, 2011, 286, 1499-1507.	3.4	77
14	The keratin-filament cycle of assembly and disassembly. Journal of Cell Science, 2010, 123, 2266-2272.	2.0	71
15	Desmoglein 2 mutant mice develop cardiac fibrosis and dilation. Basic Research in Cardiology, 2011, 106, 617-633.	5.9	71
16	Intermediate filaments and the regulation of focal adhesion. Current Opinion in Cell Biology, 2015, 32, 13-20.	5.4	67
17	Actinâ€dependent dynamics of keratin filament precursors. Cytoskeleton, 2009, 66, 976-985.	4.4	63
18	Desmosomes: interconnected calcium-dependent structures of remarkable stability with significant integral membrane protein turnover. Journal of Cell Science, 2002, 115, 1717-32.	2.0	63

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19	Cellular responses to beating hydrogels to investigate mechanotransduction. Nature Communications, 2019, 10, 4027.	12.8	60
20	Ultrastructure and stable carbon isotope composition of the hydrothermal vent mussels Bathymodiolus brevior and B. sp. affinis brevior from the North Fiji Basin, western Pacific. Marine Ecology - Progress Series, 1998, 165, 187-193.	1.9	58
21	Dissection of keratin dynamics: different contributions of the actin and microtubule systems. European Journal of Cell Biology, 2005, 84, 311-328.	3.6	56
22	Dissection of keratin network formation, turnover and reorganization in living murine embryos. Scientific Reports, 2015, 5, 9007.	3.3	49
23	Tetraspan vesicle membrane proteins: Synthesis, subcellular localization, and functional properties. International Review of Cytology, 2002, 214, 103-159.	6.2	48
24	Measuring the regulation of keratin filament network dynamics. Proceedings of the National Academy of Sciences of the United States of America, 2013, 110, 10664-10669.	7.1	46
25	Maintenance of the intestinal tube in Caenorhabditis elegans: the role of the intermediate filament protein IFC-2. Differentiation, 2008, 76, 881-s3.	1.9	44
26	Intermediate filaments in <i>Caenorhabditis elegans</i>. Cytoskeleton, 2009, 66, 852-864.	4.4	44
27	Requirements for leukocyte transmigration via the transmembrane chemokine CX3CL1. Cellular and Molecular Life Sciences, 2010, 67, 4233-4248.	5.4	44
28	A rim-and-spoke hypothesis to explain the biomechanical roles for cytoplasmic intermediate filament networks. Journal of Cell Science, 2017, 130, 3437-3445.	2.0	43
29	In vivo detection of cytokeratin filament network breakdown in cells treated with the phosphatase inhibitor okadaic acid. Cell and Tissue Research, 2001, 306, 277-293.	2.9	42
30	Redistribution of adhering junctions in human endometrial epithelial cells during the implantation window of the menstrual cycle. Histochemistry and Cell Biology, 2012, 137, 777-790.	1.7	40
31	The Nervous System of the Male <i>Dinophilus gyrociliatus</i> (Annelida: Polychaeta). I. Number, Types and Distribution Pattern of Sensory Cells. Acta Zoologica, 1988, 69, 55-64.	0.8	38
32	Tissue expression of the vesicle protein pantophysin. Cell and Tissue Research, 1999, 296, 499-510.	2.9	34
33	Visualization of gap junction mobility in living cells. Cell and Tissue Research, 2000, 299, 347-362.	2.9	32
34	De novo formation of cytokeratin filament networks originates from the cell cortex in A-431 cells. Cytoskeleton, 2001, 50, 33-44.	4.4	32
35	The keratinâ€"desmosome scaffold: pivotal role of desmosomes for keratin network morphogenesis. Cellular and Molecular Life Sciences, 2020, 77, 543-558.	5.4	32
36	ADAM12 is expressed by astrocytes during experimental demyelination. Brain Research, 2010, 1326, 1-14.	2.2	29

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37	Effects of Plectin Depletion on Keratin Network Dynamics and Organization. PLoS ONE, 2016, 11, e0149106.	2.5	29
38	Synaptic tetraspan vesicle membrane proteins are conserved but not needed for synaptogenesis and neuronal function in Caenorhabditis elegans. Proceedings of the National Academy of Sciences of the United States of America, 2006, 103, 8227-8232.	7.1	28
39	Placental Vasculogenesis Is Regulated by Keratin-Mediated Hyperoxia in Murine Decidual Tissues. American Journal of Pathology, 2011, 178, 1578-1590.	3.8	24
40	"Panta rhei". Bioarchitecture, 2011, 1, 39-44.	1.5	24
41	Hemidesmosomes and Focal Adhesions Treadmill as Separate but Linked Entities during Keratinocyte Migration. Journal of Investigative Dermatology, 2019, 139, 1876-1888.e4.	0.7	24
42	The Bacterial Endosymbiosis of the Gutless Nematode,<i>Astomonema Southwardorum</i>: Ultrastructural Aspects. Journal of the Marine Biological Association of the United Kingdom, 1995, 75, 153-164.	0.8	23
43	Threonine 150 Phosphorylation of Keratin 5 Is Linked to Epidermolysis Bullosa Simplex and Regulates Filament Assembly and Cell Viability. Journal of Investigative Dermatology, 2018, 138, 627-636.	0.7	23
44	Monitoring the Cytoskeletal EGF Response in Live Gastric Carcinoma Cells. PLoS ONE, 2012, 7, e45280.	2.5	22
45	Intracellular Motility of Intermediate Filaments. Cold Spring Harbor Perspectives in Biology, 2017, 9, a021980.	5.5	22
46	A Comparative Structural Study on Bacterial Symbioses of Caribbean Gutless Tubificidae (Annelida,) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 5	0.8	18
47	Regulation of keratin network dynamics by the mechanical properties of the environment in migrating cells. Scientific Reports, 2020, 10, 4574.	3.3	18
48	Imaging of Keratin Dynamics during the Cell Cycle and in Response to Phosphatase Inhibition. Methods in Cell Biology, 2004, 78, 321-352.	1.1	17
49	Visualization of gap junction mobility in living cells. Cell and Tissue Research, 2000, 299, 347-362.	2.9	17
50	Keratin Dynamics: Modeling the Interplay between Turnover and Transport. PLoS ONE, 2015, 10, e0121090.	2.5	16
51	Neurochemistry of identified motoneurons of the tensor tympani muscle in rat middle ear. Hearing Research, 2009, 248, 69-79.	2.0	15
52	Light-induced Resistance of the Keratin Network to the Filament-disrupting Tyrosine Phosphatase Inhibitor Orthovanadate. Journal of Investigative Dermatology, 2003, 120, 198-203.	0.7	14
53	Scratch-induced partial skin wounds re-epithelialize by sheets of independently migrating keratinocytes. Life Science Alliance, 2021, 4, e202000765.	2.8	14
54	3D segmentation of keratin intermediate filaments in confocal laser scanning microscopy. , 2011, 2011, 7751-4.		13

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55	Model for Bundling of Keratin Intermediate Filaments. Biophysical Journal, 2020, 119, 65-74.	0.5	9
56	Sulphide-induced metal precipitation in the mantle edge of Macoma balthica (Bivalvia, Tellinidae) - a means of detoxification. Marine Ecology - Progress Series, 1999, 187, 159-170.	1.9	7
57	Fluorescence microscopic imaging and image analysis of the cytoskeleton. , 2010, , .		5
58	Signal and Noise Modeling in Confocal Laser Scanning Fluorescence Microscopy. Lecture Notes in Computer Science, 2012, 15, 381-388.	1.3	5
59	Quantitative mapping of keratin networks in 3D. ELife, 2022, 11, .	6.0	5
60	Flux-based 3D segmentation of keratin intermediate filaments in confocal laser scanning microscopy. , 2012, , .		4
61	Combining Image Restoration and Traction Force Microscopy to Study Extracellular Matrix-Dependent Keratin Filament Network Plasticity. Frontiers in Cell and Developmental Biology, 2022, 10, .	3.7	4
62	Alloxan Disintegrates the Plant Cytoskeleton and Suppresses mlo-Mediated Powdery Mildew Resistance. Plant and Cell Physiology, 2020, 61, 505-518.	3.1	3
63	3D motion analysis of keratin filaments in living cells. , 2010, , .		2
64	Multidimensional Monitoring of Keratin Intermediate Filaments in Cultured Cells and Tissues. Methods in Enzymology, 2016, 568, 59-83.	1.0	2
65	Detection and Quantification of Cytoskeletal Granules. Informatik Aktuell, 2016, , 260-265.	0.6	0
66	An Algorithm for Individual Intermediate Filament Tracking. Lecture Notes in Computer Science, 2019, , 66-74.	1.3	0