Ralf Dahm

List of Publications by Year
in descending order

74 papers	4,391 citations	172207 29 h-index	114278 63 g-index
83 all docs	83 docs citations	83 times ranked	5916 citing authors

#	Article	IF	Citations
1	A zebrafish homologue of the chemokine receptor Cxcr4 is a germ-cell guidance receptor. Nature, 2003, 421, 279-282.	13.7	384
2	Deficiency of glutaredoxin 5 reveals Feâ€"S clusters are required for vertebrate haem synthesis. Nature, 2005, 436, 1035-1039.	13.7	343
3	Mutations in cadherin 23 affect tip links in zebrafish sensory hair cells. Nature, 2004, 428, 955-959.	13.7	317
4	The GTP-Binding Protein Septin 7 Is Critical for Dendrite Branching and Dendritic-Spine Morphology. Current Biology, 2007, 17, 1746-1751.	1.8	223
5	Friedrich Miescher and the discovery of DNA. Developmental Biology, 2005, 278, 274-288.	0.9	204
6	Discovering DNA: Friedrich Miescher and the early years of nucleic acid research. Human Genetics, 2008, 122, 565-581.	1.8	204
7	Analysis of a Zebrafish VEGF Receptor Mutant Reveals Specific Disruption of Angiogenesis. Current Biology, 2002, 12, 1405-1412.	1.8	201
8	Dendritic Localization of the Translational Repressor Pumilio 2 and Its Contribution to Dendritic Stress Granules. Journal of Neuroscience, 2006, 26, 6496-6508.	1.7	178
9	Learning from Small Fry: The Zebrafish as a Genetic Model Organism for Aquaculture Fish Species. Marine Biotechnology, 2006, 8, 329-345.	1.1	175
10	Transfection Techniques for Neuronal Cells: Table 1.. Journal of Neuroscience, 2010, 30, 6171-6177.	1.7	163
11	Subfunctionalization of Duplicated Zebrafish pax6 Genes by cis-Regulatory Divergence. PLoS Genetics, 2008, 4, e29.	1.5	142
12	Functions of the intermediate filament cytoskeleton in the eye lens. Journal of Clinical Investigation, 2009, 119, 1837-1848.	3.9	142
13	IntegrinÎ±5 and Delta/Notch Signaling Have Complementary Spatiotemporal Requirements during Zebrafish Somitogenesis. Developmental Cell, 2005, 8, 575-586.	3.1	135
14	beamter/deltaC and the role of Notch ligands in the zebrafish somite segmentation, hindbrain neurogenesis and hypochord differentiation. Developmental Biology, 2005, 286, 391-404.	0.9	135
15	Dynamic Interaction between P-Bodies and Transport Ribonucleoprotein Particles in Dendrites of Mature Hippocampal Neurons. Journal of Neuroscience, 2008, 28, 7555-7562.	1.7	121
16	High-efficiency transfection of mammalian neurons via nucleofection. Nature Protocols, 2007, 2, 1692-1704.	5.5	107
17	Lens Fibre Cell Differentiation â€" A Link with Apoptosis?. Ophthalmic Research, 1999, 31, 163-183.	1.0	106
18	Development and adult morphology of the eye lens in the zebrafish. Experimental Eye Research, 2007, 85, 74-89.	1.2	91

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19	The Zebrafish as a Model Organism for Eye Development. Ophthalmic Research, 2004, 36, 4-24.	1.0	81
20	Changes in the nucleolar and coiled body compartments precede lamina and chromatin reorganization during fibre cell denucleation in the bovine lens. European Journal of Cell Biology, 1998, 75, 237-246.	1.6	80
21	Large-scale mapping of mutations affecting zebrafish development. BMC Genomics, 2007, 8, 11.	1.2	59
22	Gap Junctions Containing Î±8-Connexin (MP70) in the Adult Mammalian Lens Epithelium Suggests a Re-evaluation of its Role in the Lens. Experimental Eye Research, 1999, 69, 45-56.	1.2	55
23	RNA localisation in the nervous system. Seminars in Cell and Developmental Biology, 2007, 18, 216-223.	2.3	53
24	The zebrafish mutant<i>lbk/vam6</i>resembles human multisystemic disorders caused by aberrant trafficking of endosomal vesicles. Development (Cambridge), 2008, 135, 387-399.	1.2	48
25	Homeostasis in the vertebrate lens: mechanisms of solute exchange. Philosophical Transactions of the Royal Society B: Biological Sciences, 2011, 366, 1265-1277.	1.8	44
26	chokh/rx3 specifies the retinal pigment epithelium fate independently of eye morphogenesis. Developmental Biology, 2005, 288, 348-362.	0.9	43
27	montalcino, A zebrafish model for variegate porphyria. Experimental Hematology, 2008, 36, 1132-1142.	0.2	36
28	GTRAP3â€18 serves as a negative regulator of Rab1 in protein transport and neuronal differentiation. Journal of Cellular and Molecular Medicine, 2009, 13, 114-124.	1.6	36
29	Alzheimer's discovery. Current Biology, 2006, 16, R906-R910.	1.8	34
30	A putative nuclear function for mammalian Staufen. Trends in Biochemical Sciences, 2005, 30, 228-231.	3.7	26
31	Association of the nuclear matrix component NuMA with the Cajal body and nuclear speckle compartments during transitions in transcriptional activity in lens cell differentiation. European Journal of Cell Biology, 2002, 81, 557-566.	1.6	25
32	The Intermediate Filament Systems in the Eye Lens. Methods in Cell Biology, 2004, 78, 597-624.	0.5	23
33	Silenced RNA on the move. Nature, 2005, 438, 433-435.	13.7	23
34	Mutations that affect the survival of selected amacrine cell subpopulations define a new class of genetic defects in the vertebrate retina. Developmental Biology, 2005, 285, 138-155.	0.9	23
35	Visualizing mRNA Localization and Local Protein Translation in Neurons. Methods in Cell Biology, 2008, 85, 293-327.	0.5	23
36	Transfection of Cultured Primary Neurons via Nucleofection. Current Protocols in Neuroscience, 2009, 47, Unit4.32.	2.6	22

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37	Perplexing bodies: The putative roles of P-bodies in neurons. RNA Biology, 2008, 5, 244-248.	1.5	21
38	From discovering to understanding. EMBO Reports, 2010, 11, 153-160.	2.0	21
39	118 Susceptibility of lens epithelial and fibre cells at different stages of differentiation to apoptosis. Biochemical Society Transactions, 1998, 26, S349-S349.	1.6	20
40	Investigating the genetics of visual processing, function and behaviour in zebrafish. Neurogenetics, 2011, 12, 97-116.	0.7	20
41	The zebrafish mutant bumper shows a hyperproliferation of lens epithelial cells and fibre cell degeneration leading to functional blindness. Mechanisms of Development, 2010, 127, 203-219.	1.7	17
42	Dying to See. Scientific American, 2004, 291, 82-89.	1.0	16
43	Human pathologies associated with defective RNA transport and localization in the nervous system. Biology of the Cell, 2007, 99, 649-661.	0.7	16
44	Formation of stromal collagen fibrils and proteoglycans in the developing zebrafish cornea. Acta Ophthalmologica, 2008, 86, 655-665.	0.6	16
45	Highâ€efficiency transfection of short hairpin RNAsâ€encoding plasmids into primary hippocampal neurons. Journal of Neuroscience Research, 2009, 87, 289-300.	1.3	16
46	Reorganization of centrosomal marker proteins coincides with epithelial cell differentiation in the vertebrate lens. Experimental Eye Research, 2007, 85, 696-713.	1.2	13
47	Morphological Changes and Nuclear Pore Clustering during Nuclear Degradation in Differentiating Bovine Lens Fibre Cells. Ophthalmic Research, 2002, 34, 288-294.	1.0	12
48	Developmental aspects of galectin-3 expression in the lens. Histochemistry and Cell Biology, 2003, 119, 219-226.	0.8	11
49	178 Lens cell organelle loss during differentiation versus stress-induced apoptotic changes. Biochemical Society Transactions, 1997, 25, S584-S584.	1.6	10
50	Interdisciplinary Communication Needs to Become a Core Scientific Skill. BioEssays, 2019, 41, 1900101.	1.2	10
51	The Zebrafish Exposed. American Scientist, 2006, 94, 446.	0.1	9
52	How We Forgot Who Discovered DNA: Why It Matters How You Communicate Your Results. BioEssays, 2019, 41, 1900029.	1.2	6
53	The First Discovery of DNA. American Scientist, 2008, 96, 320.	0.1	6
54	Transition from enhanced T cell infiltration to inflammation in the myelin-degenerative central nervous system. Neurobiology of Disease, 2007, 28, 261-275.	2.1	5

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55	A slip in the date of DNA's discovery. Nature, 2010, 468, 897-897.	13.7	5
56	Evolution of the vertebrate beaded filament protein, Bfsp2; comparing the inÂvitro assembly properties of a â€œtailedâ€•zebrafish Bfsp2 to its â€œtaillessâ€•human orthologue. Experimental Eye Research, 2012, 94, 192-202.	1.2	5
57	Historic nucleic acids isolated by Friedrich Miescher contain RNA besides DNA. Biological Chemistry, 2021, 402, 1179-1185.	1.2	5
58	Identification of a Novel Intercellular Structure in Late-Stage Differentiating Lens Cells. Ophthalmic Research, 2003, 35, 2-7.	1.0	4
59	RNA localization: New roles for an evolutionarily ancient mechanism. Seminars in Cell and Developmental Biology, 2007, 18, 161-162.	2.3	4
60	Living autobiographically: Concepts of aging and artistic expression in painting and modern dance. Journal of Aging Studies, 2017, 40, 8-15.	0.7	4
61	Epigenetik â€" Grundlagen und klinische Bedeutung. , 2018, , .		2
62	How research institutions can foster innovation. BioEssays, 2021, 43, 2100107.	1.2	2
63	Studienprogramm fÃ¼r die, die mehr wissen wollen. Biologie in Unserer Zeit, 2018, 48, 279-279.	0.3	1
64	Zwischen glasklar und grauem Star: Augenlinse. Biologie in Unserer Zeit, 2003, 33, 366-374.	0.3	0
65	Johann Friedrich Miescher. Biologie in Unserer Zeit, 2003, 33, 202-202.	0.3	0
66	Das SchloÃŸabor in der KÃ¼che von HohentÃ¼bingen: Wiege der Biochemie. Von Peter Bohley. Biologie in Unserer Zeit, 2010, 40, 132-132.	0.3	0
67	Editorial: Biologie in unserer Zeit 3/2010. Biologie in Unserer Zeit, 2010, 40, 139-139.	0.3	0
68	Not as we know it. New Scientist, 2011, 210, 24.	0.0	0
69	Mind maps. New Scientist, 2011, 209, 32.	0.0	0
70	Transfection of Cultured Primary Neurons. Neuromethods, 2017, , 55-78.	0.2	0
71	Umdenken in der Doktorandenausbildung. Biologie in Unserer Zeit, 2017, 47, 343-343.	0.3	0
72	Grundlagen der Epigenetik. , 2018, , 1-23.		0

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73	Die Reproduzierbarkeitskrise: Bedrohung oder Chance fÃ¼r die Wissenschaft?. Biologie in Unserer Zeit, 2020, 50, 79-79.	0.3	0
74	Finding Alzheimer's Disease. American Scientist, 2010, 98, 148.	0.1	0