Ralf Dahm

List of Publications by Citations

73 papers	3,782 citations	28 h-index	61 g-index
83 ext. papers	4,144 ext. citations	6.5 avg, IF	5.27 L-index

#	Paper	IF	Citations
73	A zebrafish homologue of the chemokine receptor Cxcr4 is a germ-cell guidance receptor. *Nature*, **2003**, 421, 279-82	50.4	347
72	Deficiency of glutaredoxin 5 reveals Fe-S clusters are required for vertebrate haem synthesis. *Nature*, **2005**, 436, 1035-39	50.4	307
71	Mutations in cadherin 23 affect tip links in zebrafish sensory hair cells. *Nature*, **2004**, 428, 955-9	50.4	273
70	The GTP-binding protein Septin 7 is critical for dendrite branching and dendritic-spine morphology. *Current Biology*, **2007**, 17, 1746-51	6.3	189
69	Analysis of a zebrafish VEGF receptor mutant reveals specific disruption of angiogenesis. *Current Biology*, **2002**, 12, 1405-12	6.3	181
68	Discovering DNA: Friedrich Miescher and the early years of nucleic acid research. *Human Genetics*, **2008**, 122, 565-81	6.3	148
67	Learning from small fry: the zebrafish as a genetic model organism for aquaculture fish species. *Marine Biotechnology*, **2006**, 8, 329-45	3.4	147
66	Dendritic localization of the translational repressor Pumilio 2 and its contribution to dendritic stress granules. *Journal of Neuroscience*, **2006**, 26, 6496-508	6.6	144
65	Friedrich Miescher and the discovery of DNA. *Developmental Biology*, **2005**, 278, 274-88	3.1	142
64	Transfection techniques for neuronal cells. *Journal of Neuroscience*, **2010**, 30, 6171-7	6.6	139
63	beamter/deltaC and the role of Notch ligands in the zebrafish somite segmentation, hindbrain neurogenesis and hypochord differentiation. *Developmental Biology*, **2005**, 286, 391-404	3.1	127
62	Integrinalpha5 and delta/notch signaling have complementary spatiotemporal requirements during zebrafish somitogenesis. *Developmental Cell*, **2005**, 8, 575-86	10.2	125
61	Subfunctionalization of duplicated zebrafish pax6 genes by cis-regulatory divergence. *PLoS Genetics*, **2008**, 4, e29	6	123
60	Functions of the intermediate filament cytoskeleton in the eye lens. *Journal of Clinical Investigation* , **2009**, 119, 1837-48	15.9	113
59	Dynamic interaction between P-bodies and transport ribonucleoprotein particles in dendrites of mature hippocampal neurons. *Journal of Neuroscience*, **2008**, 28, 7555-62	6.6	112
58	High-efficiency transfection of mammalian neurons via nucleofection. *Nature Protocols*, **2007**, 2, 1692-704	18.8	99
57	Lens fibre cell differentiation - A link with apoptosis?. *Ophthalmic Research*, **1999**, 31, 163-83	2.9	96

56	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, 237-46	6.1	77
55	Development and adult morphology of the eye lens in the zebrafish. *Experimental Eye Research*, **2007**, 85, 74-89	3.7	76
54	The zebrafish as a model organism for eye development. *Ophthalmic Research*, **2004**, 36, 4-24	2.9	73
53	Large-scale mapping of mutations affecting zebrafish development. *BMC Genomics*, **2007**, 8, 11	4.5	52
52	Gap junctions containing alpha8-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	3.7	52
51	RNA localisation in the nervous system. *Seminars in Cell and Developmental Biology*, **2007**, 18, 216-23	7.5	45
50	The zebrafish mutant lbk/vam6 resembles human multisystemic disorders caused by aberrant trafficking of endosomal vesicles. *Development (Cambridge)*, **2008**, 135, 387-99	6.6	43
49	Homeostasis in the vertebrate lens: mechanisms of solute exchange. *Philosophical Transactions of the Royal Society B: Biological Sciences*, **2011**, 366, 1265-77	5.8	39
48	chokh/rx3 specifies the retinal pigment epithelium fate independently of eye morphogenesis. *Developmental Biology*, **2005**, 288, 348-62	3.1	37
47	montalcino, A zebrafish model for variegate porphyria. *Experimental Hematology*, **2008**, 36, 1132-42	3.1	32
46	GTRAP3-18 serves as a negative regulator of Rab1 in protein transport and neuronal differentiation. *Journal of Cellular and Molecular Medicine*, **2009**, 13, 114-24	5.6	31
45	Alzheimer's discovery. *Current Biology*, **2006**, 16, R906-10	6.3	28
44	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, 557-66	6.1	23
43	A putative nuclear function for mammalian Staufen. *Trends in Biochemical Sciences*, **2005**, 30, 228-31	10.3	23
42	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, 138-55	3.1	22
41	Perplexing bodies: The putative roles of P-bodies in neurons. *RNA Biology*, **2008**, 5, 244-8	4.8	21
40	Transfection of cultured primary neurons via nucleofection. *Current Protocols in Neuroscience*, **2009**, Chapter 4, Unit4.32	2.7	20
39	Visualizing mRNA localization and local protein translation in neurons. *Methods in Cell Biology*, **2008**, 85, 293-327	1.8	20

38	From discovering to understanding. Friedrich Miescher's attempts to uncover the function of DNA. *EMBO Reports*, **2010**, 11, 153-60	6.5	19
37	The intermediate filament systems in the eye lens. *Methods in Cell Biology*, **2004**, 78, 597-624	1.8	19
36	Investigating the genetics of visual processing, function and behaviour in zebrafish. *Neurogenetics*, **2011**, 12, 97-116	3	18
35	Susceptibility of lens epithelial and fibre cells at different stages of differentiation to apoptosis. *Biochemical Society Transactions*, **1998**, 26, S349	5.1	17
34	High-efficiency transfection of short hairpin RNAs-encoding plasmids into primary hippocampal neurons. *Journal of Neuroscience Research*, **2009**, 87, 289-300	4.4	16
33	The zebrafish mutant bumper shows a hyperproliferation of lens epithelial cells and fibre cell degeneration leading to functional blindness. *Mechanisms of Development*, **2010**, 127, 203-19	1.7	13
32	Human pathologies associated with defective RNA transport and localization in the nervous system. *Biology of the Cell*, **2007**, 99, 649-61	3.5	12
31	Formation of stromal collagen fibrils and proteoglycans in the developing zebrafish cornea. *Acta Ophthalmologica*, **2008**, 86, 655-65	3.7	12
30	Dying to see. *Scientific American*, **2004**, 291, 82-9	0.5	12
29	Reorganization of centrosomal marker proteins coincides with epithelial cell differentiation in the vertebrate lens. *Experimental Eye Research*, **2007**, 85, 696-713	3.7	11
28	Morphological changes and nuclear pore clustering during nuclear degradation in differentiating bovine lens fibre cells. *Ophthalmic Research*, **2002**, 34, 288-94	2.9	11
27	Developmental aspects of galectin-3 expression in the lens. *Histochemistry and Cell Biology*, **2003**, 119, 219-26	2.4	10
26	Interdisciplinary Communication Needs to Become a Core Scientific Skill. *BioEssays*, **2019**, 41, e1900101	4.1	9
25	Lens cell organelle loss during differentiation versus stress-induced apoptotic changes. *Biochemical Society Transactions*, **1997**, 25, S584	5.1	8
24	The Zebrafish Exposed. *American Scientist*, **2006**, 94, 446	2.7	6
23	The First Discovery of DNA. *American Scientist*, **2008**, 96, 320	2.7	6
22	Transition from enhanced T cell infiltration to inflammation in the myelin-degenerative central nervous system. *Neurobiology of Disease*, **2007**, 28, 261-75	7.5	5
21	Zebrafish (Danio rerio) Genome and Genetics **2006**,		5

20	Evolution of the vertebrate beaded filament protein, Bfsp2; comparing the in vitro assembly properties of a "tailed" zebrafish Bfsp2 to its "tailless" human orthologue. *Experimental Eye Research*, **2012**, 94, 192-202	3.7	4
19	A slip in the date of DNA's discovery. *Nature*, **2010**, 468, 897	50.4	4
18	How We Forgot Who Discovered DNA: Why It Matters How You Communicate Your Results. *BioEssays*, **2019**, 41, e1900029	4.1	3
17	Identification of a novel intercellular structure in late-stage differentiating lens cells. *Ophthalmic Research*, **2003**, 35, 2-7	2.9	3
16	Living autobiographically: Concepts of aging and artistic expression in painting and modern dance. *Journal of Aging Studies*, **2017**, 40, 8-15	2.2	2
15	Methods for Assessing Embryonic and Larval Growth in Fish **2011**, 373-402		2
14	Die Schlosskühe, in der die DNA entdeckt wurde. *Biologie in Unserer Zeit*, **2020**, 50, 289-290	0.1	1
13	How research institutions can foster innovation. *BioEssays*, **2021**, 43, e2100107	4.1	1
12	Historic nucleic acids isolated by Friedrich Miescher contain RNA besides DNA. *Biological Chemistry*, **2021**, 402, 1179-1185	4.5	1
11	Transfection of Cultured Primary Neurons. *Neuromethods*, **2017**, 55-78	0.4	
10	Logik des Lebens. *Biologie in Unserer Zeit*, **2018**, 48, 71-71	0.1	
9	Grundlagen der Epigenetik **2018**, 1-23		
8	Warum wir altern. *Biologie in Unserer Zeit*, **2019**, 49, 376-377	0.1	
7	Formulieren zum Finanzieren. *Biologie in Unserer Zeit*, **2017**, 47, 335-335	0.1	
6	Prinzipien guter Vorträge. *Biologie in Unserer Zeit*, **2015**, 45, 263-263	0.1	
5	Das Schloßlabor in der Kühe von Hohentübingen: Wiege der Biochemie. Von Peter Bohley. *Biologie in Unserer Zeit*, **2010**, 40, 132-132	0.1	
4	Alois Alzheimer beschreibt eine rätselhafte Krankheit. *Biologie in Unserer Zeit*, **2007**, 37, 65-66	0.1	
3	Zwischen glasklar und grauem Star: Augenlinse. *Biologie in Unserer Zeit*, **2003**, 33, 366-374	0.1	

2 Johann Friedrich Miescher. *Biologie in Unserer Zeit*, **2003**, 33, 202-202 0.1

1 F. Mieschers Entdeckung der DNA – unbekannter Meilenstein der Biochemie. *BioSpektrum*, **2019**, 25, 793-794 0.1