

# David G Wilkinson

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/841065/publications.pdf>

Version: 2024-02-01

56  
papers

7,545  
citations

117625  
34  
h-index

155660  
55  
g-index

62  
all docs

62  
docs citations

62  
times ranked

5275  
citing authors

#	ARTICLE	IF	CITATIONS
1	Eph Receptors and Ligands Comprise Two Major Specificity Subclasses and Are Reciprocally Compartmentalized during Embryogenesis. <i>Neuron</i> , 1996, 17, 9-19.	8.1	810
2	Expression pattern of the mouse T gene and its role in mesoderm formation. <i>Nature</i> , 1990, 343, 657-659.	27.8	799
3	Multiple roles of eph receptors and ephrins in neural development. <i>Nature Reviews Neuroscience</i> , 2001, 2, 155-164.	10.2	581
4	Segmental expression of Hox-2 homoeobox-containing genes in the developing mouse hindbrain. <i>Nature</i> , 1989, 341, 405-409.	27.8	565
5	Segment-specific expression of a zinc-finger gene in the developing nervous system of the mouse. <i>Nature</i> , 1989, 337, 461-464.	27.8	513
6	A distinct Hox code for the branchial region of the vertebrate head. <i>Nature</i> , 1991, 353, 861-864.	27.8	509
7	Eph receptors and ephrins restrict cell intermingling and communication. <i>Nature</i> , 1999, 400, 77-81.	27.8	446
8	In vivo cell sorting in complementary segmental domains mediated by Eph receptors and ephrins. <i>Nature</i> , 1999, 399, 267-271.	27.8	410
9	The zinc finger gene Krox20 regulates HoxB2 (Hox2.8) during hindbrain segmentation. <i>Cell</i> , 1993, 72, 183-196.	28.9	303
10	Cell-Specific Information Processing in Segregating Populations of Eph Receptor Ephrin-Expressing Cells. <i>Science</i> , 2009, 326, 1502-1509.	12.6	209
11	Molecular Mechanisms of Cell Segregation and Boundary Formation in Development and Tumorigenesis. <i>Cold Spring Harbor Perspectives in Biology</i> , 2012, 4, a008227-a008227.	5.5	161
12	Several receptor tyrosine kinase genes of the Eph family are segmentally expressed in the developing hindbrain. <i>Mechanisms of Development</i> , 1994, 47, 3-17.	1.7	142
13	Signalling between the hindbrain and paraxial tissues dictates neural crest migration pathways. <i>Development (Cambridge)</i> , 2002, 129, 433-442.	2.5	128
14	Notch Activation Regulates the Segregation and Differentiation of Rhombomere Boundary Cells in the Zebrafish Hindbrain. <i>Developmental Cell</i> , 2004, 6, 539-550.	7.0	123
15	Function of the Eph-related kinase rtk1 in patterning of the zebrafish forebrain. <i>Nature</i> , 1996, 381, 319-322.	27.8	121
16	Progressive Spatial Restriction of <i>Sek-1</i> and <i>Krox-20</i> Gene Expression during Hindbrain Segmentation. <i>Developmental Biology</i> , 1996, 173, 26-38.	2.0	117
17	Wnt1 regulates neurogenesis and mediates lateral inhibition of boundary cell specification in the zebrafish hindbrain. <i>Development (Cambridge)</i> , 2005, 132, 775-785.	2.5	102
18	Morpholino artifacts provide pitfalls and reveal a novel role for pro-apoptotic genes in hindbrain boundary development. <i>Developmental Biology</i> , 2011, 350, 279-289.	2.0	101

#	ARTICLE	IF	CITATIONS
19	Molecular mechanisms of segmental patterning in the vertebrate hindbrain and neural crest. BioEssays, 1993, 15, 499-505.	2.5	97
20	The Role of kreisler in Segmentation during Hindbrain Development. Developmental Biology, 1999, 211, 220-237.	2.0	94
21	Regulation of EphB2 activation and cell repulsion by feedback control of the MAPK pathway. Journal of Cell Biology, 2008, 183, 933-947.	5.2	76
22	Neuronal Regulation of the Spatial Patterning of Neurogenesis. Developmental Cell, 2010, 18, 136-147.	7.0	75
23	Mechanisms of boundary formation by Eph receptor and ephrin signaling. Developmental Biology, 2015, 401, 122-131.	2.0	75
24	Roles of Eph receptors and ephrins in neural crest pathfinding. Cell and Tissue Research, 1997, 290, 265-274.	2.9	68
25	Roles of Eph receptors and ephrins in segmental patterning. Philosophical Transactions of the Royal Society B: Biological Sciences, 2000, 355, 993-1002.	4.0	60
26	Stabilizing the regionalisation of the developing vertebrate central nervous system. BioEssays, 2002, 24, 427-438.	2.5	56
27	Cell segregation and border sharpening by Eph receptorâ€”ephrin-mediated heterotypic repulsion. Journal of the Royal Society Interface, 2017, 14, 20170338.	3.4	50
28	An inducible transgene expression system for zebrafish and chick. Development (Cambridge), 2013, 140, 2235-2243.	2.5	49
29	A feedback loop mediated by degradation of an inhibitor is required to initiate neuronal differentiation. Genes and Development, 2010, 24, 206-218.	5.9	47
30	Eph-related receptors and their ligands: mediators of contact dependent cell interactions. Journal of Molecular Medicine, 1997, 75, 576-586.	3.9	44
31	Regulation of cell differentiation by Eph receptor and ephrin signaling. Cell Adhesion and Migration, 2014, 8, 339-348.	2.7	44
32	Signalling from hindbrain boundaries regulates neuronal clustering that patterns neurogenesis. Development (Cambridge), 2012, 139, 2978-2987.	2.5	43
33	Segmentation and patterning of the vertebrate hindbrain. Development (Cambridge), 2021, 148, .	2.5	41
34	Cell Identity Switching Regulated by Retinoic Acid Signaling Maintains Homogeneous Segments in the Hindbrain. Developmental Cell, 2018, 45, 606-620.e3.	7.0	40
35	A single cell transcriptome atlas of the developing zebrafish hindbrain. Development (Cambridge), 2020, 147, .	2.5	39
36	Enteric glia as a source of neural progenitors in adult zebrafish. ELife, 2020, 9, .	6.0	39

#	ARTICLE	IF	CITATIONS
37	Establishing neuronal circuitry: Hox genes make the connection. <i>Genes and Development</i> , 2004, 18, 1643-1648.	5.9	38
38	Signalling between the hindbrain and paraxial tissues dictates neural crest migration pathways. <i>Development (Cambridge)</i> , 2002, 129, 433-42.	2.5	36
39	PHF2, a novel PHD finger gene located on human Chromosome 9q22. <i>Mammalian Genome</i> , 1999, 10, 294-298.	2.2	32
40	Inhibition of BMPs by follistatin is required for FGF3 expression and segmental patterning of the hindbrain. <i>Developmental Biology</i> , 2008, 324, 213-225.	2.0	31
41	Boundary cells regulate a switch in the expression of FGF3 in hindbrain rhombomeres. <i>BMC Developmental Biology</i> , 2009, 9, 16.	2.1	31
42	Distinct Regulatory Mechanisms Act to Establish and Maintain Pax3 Expression in the Developing Neural Tube. <i>PLoS Genetics</i> , 2013, 9, e1003811.	3.5	27
43	Comparative analysis of embryonic gene expression defines potential interaction sites forXenopus EphB4 receptors with ephrin-B ligands. <i>Developmental Dynamics</i> , 1999, 216, 361-373.	1.8	26
44	Actomyosin regulation by Eph receptor signaling couples boundary cell formation to border sharpness. <i>ELife</i> , 2019, 8, .	6.0	22
45	Role of forward and reverse signaling in Eph receptor and ephrin mediated cell segregation. <i>Experimental Cell Research</i> , 2019, 381, 57-65.	2.6	17
46	Characterisation of the Sek-1 receptor tyrosine kinase. <i>FEBS Letters</i> , 1995, 368, 353-357.	2.8	15
47	Homeobox genes and development of the vertebrate CNS. <i>BioEssays</i> , 1989, 10, 82-85.	2.5	14
48	A morphogenetic EphB/EphrinB code controls hepatopancreatic duct formation. <i>Nature Communications</i> , 2019, 10, 5220.	12.8	14
49	Segment Identity and Cell Segregation in the Vertebrate Hindbrain. <i>Current Topics in Developmental Biology</i> , 2016, 117, 581-596.	2.2	13
50	The Evolutionary History of Ephs and Ephrins: Toward Multicellular Organisms. <i>Molecular Biology and Evolution</i> , 2020, 37, 379-394.	8.9	13
51	A Mechanical Model of Cell Segregation Driven by Differential Adhesion. <i>PLoS ONE</i> , 2012, 7, e43226.	2.5	10
52	Interplay of Eph-Ephrin Signalling and Cadherin Function in Cell Segregation and Boundary Formation. <i>Frontiers in Cell and Developmental Biology</i> , 2021, 9, 784039.	3.7	9
53	Establishing sharp and homogeneous segments in the hindbrain. <i>F1000Research</i> , 2018, 7, 1268.	1.6	8
54	The promise of gene ablation. <i>Nature</i> , 1990, 347, 335-336.	27.8	4

#	ARTICLE	IF	CITATIONS
55	Cell identity switching in hindbrain segmentation. Mechanisms of Development, 2017, 145, S82.	1.7	1
56	Comparative analysis of embryonic gene expression defines potential interaction sites for Xenopus EphB4 receptors with ephrin-B ligands. , 1999, 216, 361.		1