

# Martin Blum

## List of Publications by Year in descending order

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Version: 2024-02-01

46  
papers

2,559  
citations

304743

22  
h-index

223800

46  
g-index

49  
all docs

49  
docs citations

49  
times ranked

2363  
citing authors

#	ARTICLE	IF	CITATIONS
1	Discovery of a genetic module essential for assigning left-right asymmetry in humans and ancestral vertebrates. <i>Nature Genetics</i> , 2022, 54, 62-72.	21.4	16
2	The highly conserved FOXJ1 target CFAP161 is dispensable for motile ciliary function in mouse and <i>Xenopus</i> . <i>Scientific Reports</i> , 2021, 11, 13333.	3.3	3
3	Bicc1 and Dicer regulate left-right patterning through post-transcriptional control of the Nodal inhibitor Dand5. <i>Nature Communications</i> , 2021, 12, 5482.	12.8	24
4	CFAP43 modulates ciliary beating in mouse and <i>Xenopus</i> . <i>Developmental Biology</i> , 2020, 459, 109-125.	2.0	22
5	The FOXJ1 target <i>Cfap206</i> is required for sperm motility, mucociliary clearance of the airways and brain development. <i>Development (Cambridge)</i> , 2020, 147, .	2.5	19
6	Conserved role of matrix metalloproteases 2 and 9 in promoting the migration of neural crest cells in avian and mammalian embryos. <i>FASEB Journal</i> , 2020, 34, 5240-5261.	0.5	19
7	Mechanical strain, novel genes and evolutionary insights: news from the frog left-right organizer. <i>Current Opinion in Genetics and Development</i> , 2019, 56, 8-14.	3.3	4
8	A dual function of FGF signaling in <i>Xenopus</i> left-right axis formation. <i>Development (Cambridge)</i> , 2019, 146, .	2.5	11
9	The Frog <i>Xenopus</i> as a Model to Study Joubert Syndrome: The Case of a Human Patient With Compound Heterozygous Variants in PIBF1. <i>Frontiers in Physiology</i> , 2019, 10, 134.	2.8	13
10	A Conserved Role of the Unconventional Myosin 1d in Laterality Determination. <i>Current Biology</i> , 2018, 28, 810-816.e3.	3.9	39
11	An Early Function of Polycystin-2 for Left-Right Organizer Induction in <i>Xenopus</i> . <i>IScience</i> , 2018, 2, 76-85.	4.1	15
12	Animal left-right asymmetry. <i>Current Biology</i> , 2018, 28, R301-R304.	3.9	58
13	The evolutionary conserved FOXJ1 target gene <i>Fam183b</i> is essential for motile cilia in <i>Xenopus</i> but dispensable for ciliary function in mice. <i>Scientific Reports</i> , 2018, 8, 14678.	3.3	14
14	Vertebrate Left-Right Asymmetry: What Can Nodal Cascade Gene Expression Patterns Tell Us?. <i>Journal of Cardiovascular Development and Disease</i> , 2018, 5, 1.	1.6	12
15	The Power of Strain: Organizing Left-Right Cilia. <i>Developmental Cell</i> , 2018, 45, 277-279.	7.0	7
16	<i>Xenopus</i> : An Undervalued Model Organism to Study and Model Human Genetic Disease. <i>Cells Tissues Organs</i> , 2018, 205, 303-313.	2.3	73
17	<i>Xenopus</i> , an ideal model organism to study laterality in conjoined twins. <i>Genesis</i> , 2017, 55, e22993.	1.6	7
18	A novel role of the organizer gene <i>Goosecoid</i> as an inhibitor of Wnt/PCP-mediated convergent extension in <i>Xenopus</i> and mouse. <i>Scientific Reports</i> , 2017, 7, 43010.	3.3	20

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19	Leftward Flow Determines Laterality in Conjoined Twins. <i>Current Biology</i> , 2017, 27, 543-548.	3.9	6
20	A novel homozygous ARL13B variant in patients with Joubert syndrome impairs its guanine nucleotide-exchange factor activity. <i>European Journal of Human Genetics</i> , 2017, 25, 1324-1334.	2.8	9
21	CFAP157 is a murine downstream effector of FOXJ1 that is specifically required for flagellum morphogenesis and sperm motility. <i>Development (Cambridge)</i> , 2016, 143, 4736-4748.	2.5	19
22	Cilia are required for asymmetric nodal induction in the sea urchin embryo. <i>BMC Developmental Biology</i> , 2016, 16, 28.	2.1	29
23	ATP4a is required for development and function of the <i>Xenopus</i> mucociliary epidermis – a potential model to study proton pump inhibitor-associated pneumonia. <i>Developmental Biology</i> , 2015, 408, 292-304.	2.0	32
24	TGF- $\beta$ 2 Signaling Regulates the Differentiation of Motile Cilia. <i>Cell Reports</i> , 2015, 11, 1000-1007.	6.4	23
25	Left-Right Asymmetry: Cilia and Calcium Revisited. <i>Current Biology</i> , 2015, 25, R205-R207.	3.9	12
26	ATP4 and ciliation in the neuroectoderm and endoderm of <i>Xenopus</i> embryos and tadpoles. <i>Data in Brief</i> , 2015, 4, 22-31.	1.0	10
27	Morpholinos: Antisense and Sensibility. <i>Developmental Cell</i> , 2015, 35, 145-149.	7.0	155
28	Symmetry breakage in the frog <i>Xenopus</i> : Role of Rab11 and the ventral-right blastomere. <i>Genesis</i> , 2014, 52, 588-599.	1.6	13
29	The evolution and conservation of left-right patterning mechanisms. <i>Development (Cambridge)</i> , 2014, 141, 1603-1613.	2.5	141
30	Symmetry breakage in the vertebrate embryo: When does it happen and how does it work?. <i>Developmental Biology</i> , 2014, 393, 109-123.	2.0	84
31	Calponin 2 Acts As an Effector of Noncanonical Wnt-Mediated Cell Polarization during Neural Crest Cell Migration. <i>Cell Reports</i> , 2013, 3, 615-621.	6.4	33
32	Wnt11b Is Involved in Cilia-Mediated Symmetry Breakage during <i>Xenopus</i> Left-Right Development. <i>PLoS ONE</i> , 2013, 8, e73646.	2.5	34
33	Connexin26-mediated transfer of laterality cues in <i>Xenopus</i> . <i>Biology Open</i> , 2012, 1, 473-481.	1.2	18
34	ATP4a Is Required for Wnt-Dependent Foxj1 Expression and Leftward Flow in <i>Xenopus</i> Left-Right Development. <i>Cell Reports</i> , 2012, 1, 516-527.	6.4	73
35	Ciliary and non-ciliary expression and function of PACRG during vertebrate development. <i>Cilia</i> , 2012, 1, 13.	1.8	11
36	Serotonin Signaling Is Required for Wnt-Dependent GRP Specification and Leftward Flow in <i>Xenopus</i> . <i>Current Biology</i> , 2012, 22, 33-39.	3.9	60

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37	The Nodal Inhibitor Coco Is a Critical Target of Leftward Flow in <i>Xenopus</i> . <i>Current Biology</i> , 2010, 20, 738-743.	3.9	134
38	Bicaudal C, a novel regulator of Dvl signaling abutting RNA-processing bodies, controls cilia orientation and leftward flow. <i>Development (Cambridge)</i> , 2009, 136, 3019-3030.	2.5	102
39	<i>Xenopus</i> , an ideal model system to study vertebrate left-right asymmetry. <i>Developmental Dynamics</i> , 2009, 238, 1215-1225.	1.8	98
40	Cell Movements at Hensen's Node Establish Left/Right Asymmetric Gene Expression in the Chick. <i>Science</i> , 2009, 324, 941-944.	12.6	157
41	Evolution of leftward flow. <i>Seminars in Cell and Developmental Biology</i> , 2009, 20, 464-471.	5.0	57
42	Flow on the right side of the gastrocoel roof plate is dispensable for symmetry breakage in the frog <i>Xenopus laevis</i> . <i>Developmental Biology</i> , 2009, 331, 281-291.	2.0	74
43	Ciliation and gene expression distinguish between node and posterior notochord in the mammalian embryo. <i>Differentiation</i> , 2007, 75, 133-146.	1.9	108
44	Cilia-Driven Leftward Flow Determines Laterality in <i>Xenopus</i> . <i>Current Biology</i> , 2007, 17, 60-66.	3.9	245
45	The Ion Channel Polycystin-2 Is Required for Left-Right Axis Determination in Mice. <i>Current Biology</i> , 2002, 12, 938-943.	3.9	401
46	Differential gene expression of <i>Xenopus</i> Pitx1, Pitx2b and Pitx2c during cement gland, stomodeum and pituitary development. <i>Mechanisms of Development</i> , 2001, 107, 191-194.	1.7	43