Thomas Thumberger

List of Publications by Year in descending order

43 papers	2,533 citations	393982 19 h-index	264894 42 g-index
65 all docs	65 docs citations	65 times ranked	3538 citing authors

#	Article	IF	Citations
1	The Medaka Inbred Kiyosu-Karlsruhe (MIKK) panel. Genome Biology, 2022, 23, 59.	3.8	6
2	Genomic variations and epigenomic landscape of the Medaka Inbred Kiyosu-Karlsruhe (MIKK) panel. Genome Biology, 2022, 23, 58.	3.8	5
3	Boosting targeted genome editing using the hei-tag. ELife, 2022, 11, .	2.8	10
4	Precise in vivo functional analysis of DNA variants with base editing using ACEofBASEs target prediction. ELife, 2022, 11, .	2.8	12
5	A patient-based medaka alg2 mutant as a model for hypo-N-glycosylation. Development (Cambridge), 2021, 148, .	1.2	2
6	Î±Î²/Î³Î´ T cell lineage outcome is regulated by intrathymic cell localization and environmental signals. Science Advances, 2021, 7, .	4.7	6
7	Fish primary embryonic pluripotent cells assemble into retinal tissue mirroring in vivo early eye development. ELife, 2021, 10, .	2.8	17
8	The C-Mannosylome of Human Induced Pluripotent Stem Cells Implies a Role for ADAMTS16 C-Mannosylation in Eye Development. Molecular and Cellular Proteomics, 2021, 20, 100092.	2.5	7
9	In vivo identification and validation of novel potential predictors for human cardiovascular diseases. PLoS ONE, 2021, 16, e0261572.	1.1	5
10	Pcdh18a regulates endocytosis of E-cadherin during axial mesoderm development in zebrafish. Histochemistry and Cell Biology, 2020, 154, 463-480.	0.8	6
11	Genetic and functional insights into the fractal structure of the heart. Nature, 2020, 584, 589-594.	13.7	86
12	A complementary study approach unravels novel players in the pathoetiology of Hirschsprung disease. PLoS Genetics, 2020, 16, e1009106.	1.5	7
13	Swift Large-scale Examination of Directed Genome Editing. PLoS ONE, 2019, 14, e0213317.	1.1	9
14	Active DNA Demethylation Mediated By GADD45Î² Is Essential during G-CSF Triggered Granulocytic Differentiation. Blood, 2019, 134, 211-211.	0.6	1
15	An Early Function of Polycystin-2 for Left-Right Organizer Induction in Xenopus. IScience, 2018, 2, 76-85.	1.9	15
16	Efficient single-copy HDR by 5â€™ modified long dsDNA donors. ELife, 2018, 7, .	2.8	86
17	Expression of the novel maternal centrosome assembly factor Wdr8 is required for vertebrate embryonic mitoses. Nature Communications, 2017, 8, 14090.	5.8	11
18	A novel role of the organizer gene Goosecoid as an inhibitor of Wnt/PCP-mediated convergent extension in Xenopus and mouse. Scientific Reports, 2017, 7, 43010.	1.6	20

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19	Bifacial stem cell niches in fish and plants. Current Opinion in Genetics and Development, 2017, 45, 28-33.	1.5	14
20	Leftward Flow Determines Laterality in Conjoined Twins. Current Biology, 2017, 27, 543-548.	1.8	6
21	Dynamics of in vivo ASC speck formation. Journal of Cell Biology, 2017, 216, 2891-2909.	2.3	60
22	Considerations for a European animal welfare standard to evaluate adverse phenotypes in teleost fish. EMBO Journal, 2016, 35, 1151-1154.	3.5	19
23	An eye on light-sheet microscopy. Methods in Cell Biology, 2016, 133, 105-123.	0.5	12
24	Cilia are required for asymmetric nodal induction in the sea urchin embryo. BMC Developmental Biology, 2016, 16, 28.	2.1	29
25	CCTop: An Intuitive, Flexible and Reliable CRISPR/Cas9 Target Prediction Tool. PLoS ONE, 2015, 10, e0124633.	1.1	826
26	Noninvasive In Toto Imaging of the Thymus Reveals Heterogeneous Migratory Behavior of Developing T Cells. Journal of Immunology, 2015, 195, 2177-2186.	0.4	21
27	A novel serotonin-secreting cell type regulates ciliary motility in the mucociliary epidermis of Xenopus tadpoles. Development (Cambridge), 2014, 141, 1526-1533.	1.2	52
28	The evolution and conservation of left-right patterning mechanisms. Development (Cambridge), 2014, 141, 1603-1613.	1.2	141
29	Ciliogenesis and cerebrospinal fluid flow in the developing Xenopus brain are regulated by foxj1. Cilia, 2013, 2, 12.	1.8	52
30	Acquisition of Leftward Flow in Xenopus laevis. Bio-protocol, 2013, 3, .	0.2	0
31	Connexin26-mediated transfer of laterality cues in Xenopus. Biology Open, 2012, 1, 473-481.	0.6	18
32	Quantitative Analysis of Embryogenesis: A Perspective for Light Sheet Microscopy. Developmental Cell, 2012, 23, 1111-1120.	3.1	49
33	Linking early determinants and cilia-driven leftward flow in leftâ€“right axis specification of Xenopus laevis: A theoretical approach. Differentiation, 2012, 83, S67-S77.	1.0	21
34	ATP4a Is Required for Wnt-Dependent Foxj1 Expression and Leftward Flow in Xenopus Left-Right Development. Cell Reports, 2012, 1, 516-527.	2.9	73
35	Ciliary and non-ciliary expression and function of PACRGduring vertebrate development. Cilia, 2012, 1, 13.	1.8	11
36	Serotonin Signaling Is Required for Wnt-Dependent GRP Specification and Leftward Flow in Xenopus. Current Biology, 2012, 22, 33-39.	1.8	60

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37	Gastric H+/K + ATPase-dependent Wnt-signaling is required for FoxJ1 expression and cilia polarization in Xenopus leftâ€“right axis formation. Developmental Biology, 2011, 356, 209.	0.9	0
38	The Nodal Inhibitor Coco Is a Critical Target of Leftward Flow in Xenopus. Current Biology, 2010, 20, 738-743.	1.8	134
39	Bicaudal C, a novel regulator of Dvl signaling abutting RNA-processing bodies, controls cilia orientation and leftward flow. Development (Cambridge), 2009, 136, 3019-3030.	1.2	102
40	Xenopus, an ideal model system to study vertebrate leftâ€“right asymmetry. Developmental Dynamics, 2009, 238, 1215-1225.	0.8	98
41	Evolution of leftward flow. Seminars in Cell and Developmental Biology, 2009, 20, 464-471.	2.3	57
42	Flow on the right side of the gastrocoel roof plate is dispensable for symmetry breakage in the frog Xenopus laevis. Developmental Biology, 2009, 331, 281-291.	0.9	74
43	Cilia-Driven Leftward Flow Determines Laterality in Xenopus. Current Biology, 2007, 17, 60-66.	1.8	245