Jacek Topczewski

List of Publications by Year in descending order

59 papers	4,236 citations	186265 28 h-index	133252 59 g-index
70 all docs	70 docs citations	70 times ranked	5367 citing authors

#	Article	IF	Citations
1	Langerhans cells and SFRP2/Wnt/betaâ€catenin signalling control adaptation of skin epidermis to mechanical stretching. Journal of Cellular and Molecular Medicine, 2022, 26, 764-775.	3.6	9
2	A map of cis-regulatory elements and 3D genome structures in zebrafish. Nature, 2020, 588, 337-343.	27.8	80
3	Zebrafish models of skeletal dysplasia induced by cholesterol biosynthesis deficiency. DMM Disease Models and Mechanisms, 2020, 13, .	2.4	6
4	Loss of Sbds in zebrafish leads to neutropenia and pancreas and liver atrophy. JCI Insight, 2020, 5, .	5.0	9
5	Identification of regulatory elements recapitulating early expression of L-plastin in the zebrafish enveloping layer and embryonic periderm. Gene Expression Patterns, 2019, 32, 53-66.	0.8	7
6	Peering through zebrafish to understand inherited bone marrow failure syndromes. Haematologica, 2019, 104, 13-24.	3.5	20
7	Direct activation of chordoblasts by retinoic acid is required for segmented centra mineralization during zebrafish spine development. Development (Cambridge), 2018, 145, .	2.5	29
8	Glypican 4 and Mmp14 interact in regulating the migration of anterior endodermal cells by limiting extracellular matrix deposition. Development (Cambridge), 2018, 145, .	2.5	20
9	Targeted deletion of the zebrafish actin-bundling protein L-plastin (lcp1). PLoS ONE, 2018, 13, e0190353.	2.5	32
10	Multi-Shell Nano-CarboScavengers for Petroleum Spill Remediation. Scientific Reports, 2017, 7, 41880.	3.3	21
11	A functional screening of the kinome identifies the Poloâ€like kinase 4 as a potential therapeutic target for malignant rhabdoid tumors, and possibly, other embryonal tumors of the brain. Pediatric Blood and Cancer, 2017, 64, e26551.	1.5	23
12	ATRT-04. AÂFUNCTIONAL SCREENING OF THE KINOME IDENTIFIES THE POLO-LIKE KINASE 4 (PLK4) AS AÂPOTENTIAL THERAPEUTIC TARGET FOR ATYPICAL TERATOID/RHABDOID TUMORS (AT/RT), AND POSSIBLY, OTHER EMBRYONAL TUMORS OF THE BRAIN. Neuro-Oncology, 2017, 19, iv1-iv2.	1.2	0
13	Gene Disruption of Zebrafish Sbds Phenocopies Human Shwachman-Diamond Syndrome but Suggests More Global and Lineage Defects. Blood, 2016, 128, 336-336.	1.4	1
14	Regulatory variant in FZD 6 gene contributes to nonsyndromic cleft lip and palate in an Africanâ€American family. Molecular Genetics & Genomic Medicine, 2015, 3, 440-451.	1.2	23
15	A role of glypican4 and wnt5b in chondrocyte stacking underlying craniofacial cartilage morphogenesis. Mechanisms of Development, 2015, 138, 279-290.	1.7	46
16	Comparison of different numerical treatments for x-ray phase tomography of soft tissue from differential phase projections. Physics in Medicine and Biology, 2015, 60, 3065-3080.	3.0	4
17	Non-Aggregating Tau Phosphorylation by Cyclin-Dependent Kinase 5 Contributes to Motor Neuron Degeneration in Spinal Muscular Atrophy. Journal of Neuroscience, 2015, 35, 6038-6050.	3.6	33
18	Genetic Ablation of Sbds in Zebrafish Results in Neutropenia, Diminished Growth, and Reduced Viability, Indicating Its Roles in Embryonic and Post-Embryonic Development. Blood, 2015, 126, 3607-3607.	1.4	0

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19	Loss of col8a1a function during zebrafish embryogenesis results in congenital vertebral malformations. Developmental Biology, 2014, 386, 72-85.	2.0	84
20	Divergent requirements for fibroblast growth factor signaling in zebrafish maxillary barbel and caudal fin regeneration. Development Growth and Differentiation, 2013, 55, 282-300.	1.5	13
21	Semicircular canal morphogenesis in the zebrafish inner ear requires the function of gpr126 (lauscher), an adhesion class G protein-coupled receptor gene. Development (Cambridge), 2013, 140, 4362-4374.	2.5	72
22	Notum Homolog Plays a Novel Role in Primary Motor Innervation. Journal of Neuroscience, 2013, 33, 2177-2187.	3.6	9
23	A zebrafish Notum homolog specifically blocks the Wnt/Î²-catenin signaling pathway. Development (Cambridge), 2012, 139, 2416-2425.	2.5	42
24	miR-27b controls venous specification and tip cell fate. Blood, 2012, 119, 2679-2687.	1.4	107
25	Peripheral axons of the adult zebrafish maxillary barbel extensively remyelinate during sensory appendage regeneration. Journal of Comparative Neurology, 2012, 520, 4184-4203.	1.6	14
26	Simple, Economical Heat-Shock Devices for Zebrafish Housing Racks. Zebrafish, 2011, 8, 211-219.	1.1	15
27	Identification of an evolutionarily conserved regulatory element of the zebrafish col2a1a gene. Developmental Biology, 2011, 357, 518-531.	2.0	116
28	Planar cell polarity signaling in craniofacial development. Organogenesis, 2011, 7, 255-259.	1.2	20
29	Development and Regeneration of the Zebrafish Maxillary Barbel: A Novel Study System for Vertebrate Tissue Growth and Repair. PLoS ONE, 2010, 5, e8737.	2.5	64
30	Sec24D-Dependent Transport of Extracellular Matrix Proteins Is Required for Zebrafish Skeletal Morphogenesis. PLoS ONE, 2010, 5, e10367.	2.5	110
31	Pdlim7 (LMP4) regulation of Tbx5 specifies zebrafish heart atrio-ventricular boundary and valve formation. Developmental Biology, 2010, 337, 233-245.	2.0	52
32	Methods for the Study of the Zebrafish Maxillary Barbel. Journal of Visualized Experiments, 2009, , .	0.3	5
33	The Emerging Role of Wnt/PCP Signaling in Organ Formation. Zebrafish, 2009, 6, 9-14.	1.1	34
34	Disc1 regulatesfoxd3andsox10expression, affecting neural crest migration and differentiation. Development (Cambridge), 2009, 136, 2623-2632.	2.5	90
35	Expression of five frizzleds during zebrafish craniofacial development. Gene Expression Patterns, 2009, 9, 520-527.	0.8	24
36	Craniofacial skeletal defects of adult zebrafish Glypican 4 (knypek) mutants. Developmental Dynamics, 2009, 238, 2550-2563.	1.8	53

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37	Zebrafish integrin-linked kinase is required in skeletal muscles for strengthening the integrinâ€“ECM adhesion complex. Developmental Biology, 2008, 318, 92-101.	2.0	95
38	Inactivation of serine protease Matriptase1a by its inhibitor Hai1 is required for epithelial integrity of the zebrafish epidermis. Development (Cambridge), 2007, 134, 3461-3471.	2.5	98
39	Reply to Melanoma pathogenesis and Nodal: a partial picture?. Nature Medicine, 2006, 12, 1231-1231.	30.7	0
40	Embryonic and tumorigenic pathways converge via Nodal signaling: role in melanoma aggressiveness. Nature Medicine, 2006, 12, 925-932.	30.7	424
41	Targeted gene expression in the zebrafish prechordal plate. Genesis, 2006, 44, 584-588.	1.6	19
42	Visualizing morphogenesis in transgenic zebrafish embryos using BODIPY TR methyl ester dye as a vital counterstain for GFP. Developmental Dynamics, 2005, 232, 359-368.	1.8	143
43	Essential roles of GÎ±12/13 signaling in distinct cell behaviors driving zebrafish convergence and extension gastrulation movements. Journal of Cell Biology, 2005, 169, 777-787.	5.2	101
44	Inhibition of neurogenesis at the zebrafish midbrain-hindbrain boundary by the combined and dose-dependent activity of a new hairy/E(spl)gene pair. Development (Cambridge), 2005, 132, 75-88.	2.5	43
45	Developmentally regulated expression of two members of the Nrarp family in zebrafish. Gene Expression Patterns, 2003, 3, 169-171.	0.8	13
46	Six3 repression of Wnt signaling in the anterior neuroectoderm is essential for vertebrate forebrain development. Genes and Development, 2003, 17, 368-379.	5.9	437
47	Zebrafish Rho Kinase 2 Acts Downstream of Wnt11 to Mediate Cell Polarity and Effective Convergence and Extension Movements. Current Biology, 2002, 12, 876-884.	3.9	312
48	Zebrafish trilobite identifies new roles for Strabismus in gastrulation and neuronal movements. Nature Cell Biology, 2002, 4, 610-615.	10.3	440
49	Sequence and expression of zebrafish foxc1a and foxc1b , encoding conserved forkhead/winged helix transcription factors. Mechanisms of Development, 2001, 100, 343-347.	1.7	46
50	The Zebrafish Glypican Knypek Controls Cell Polarity during Gastrulation Movements of Convergent Extension. Developmental Cell, 2001, 1, 251-264.	7.0	417
51	The winged helix transcription factor Foxc1a is essential for somitogenesis in zebrafish. Genes and Development, 2001, 15, 2483-2493.	5.9	91
52	Role of the zebrafishtrilobite locus in gastrulation movements of convergence and extension. Genesis, 2000, 27, 159-173.	1.6	109
53	Head and trunk in zebrafish arise via coinhibition of BMP signaling by bozozok and chordino. Genes and Development, 2000, 14, 3087-3092.	5.9	48
54	The Aspergillus nidulans cysA gene encodes a novel type of serine O-acetyltransferase which is homologous to homoserine O-acetyltransferases The GenBank accession number for the sequence reported in this paper is AF029885.. Microbiology (United Kingdom), 2000, 146, 2695-2703.	1.8	19

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55	Several mutations including two novel mutations of the glucose-6-phosphate dehydrogenase gene in Polish G6PD deficient subjects with chronic nonspherocytic hemolytic anemia, acute hemolytic anemia, and favism. Human Mutation, 1999, 14, 477-484.	2.5	14
56	Bisoniana 119. Phylogeny and genetic variation of the European bison Bison bonasus based on mitochondrial DNA D-loop sequences. Acta Theriologica, 1999, 44, 253-262.	1.1	26
57	Structure and regulation of cysD , the homocysteine synthase gene of Aspergillu s nidulans. Current Genetics, 1998, 33, 136-144.	1.7	22
58	Cloning and characterization of the Aspergillus nidulans cysB gene encoding cysteine synthase. Current Genetics, 1997, 31, 348-356.	1.7	12
59	Genotyping of Bison bonasus Kâ€casein gene following DNA sequence amplification. Animal Genetics, 1995, 26, 335-336.	1.7	11