Ela W Knapik

List of Publications by Year
in descending order

40 papers	3,525 citations	218677 26 h-index	302126 39 g-index
41 all docs	41 docs citations	41 times ranked	4077 citing authors

#	Article	IF	Citations
1	Vertebrate genome evolution and the zebrafish gene map. Nature Genetics, 1998, 18, 345-349.	21.4	792
2	A microsatellite genetic linkage map for zebrafish (Danio rerio). Nature Genetics, 1998, 18, 338-343.	21.4	333
3	Zebrafish Genetic Map with 2000 Microsatellite Markers. Genomics, 1999, 58, 219-232.	2.9	328
4	Secretory COPII coat component Sec23a is essential for craniofacial chondrocyte maturation. Nature Genetics, 2006, 38, 1198-1203.	21.4	166
5	Neural crest survival and differentiation in zebrafish depends onmont blanc/tfap2agene function. Development (Cambridge), 2004, 131, 1463-1477.	2.5	145
6	An SNP-Based Linkage Map for Zebrafish Reveals Sex Determination Loci. G3: Genes, Genomes, Genetics, 2011, 1, 3-9.	1.8	145
7	Tfap2a and Foxd3 regulate early steps in the development of the neural crest progenitor population. Developmental Biology, 2011, 360, 173-185.	2.0	113
8	Sec24D-Dependent Transport of Extracellular Matrix Proteins Is Required for Zebrafish Skeletal Morphogenesis. PLoS ONE, 2010, 5, e10367.	2.5	110
9	Mutations in fam20b and xylt1 Reveal That Cartilage Matrix Controls Timing of Endochondral Ossification by Inhibiting Chondrocyte Maturation. PLoS Genetics, 2011, 7, e1002246.	3.5	106
10	Noradrenergic neurons in the zebrafish hindbrain are induced by retinoic acid and requiretfap2afor expression of the neurotransmitter phenotype. Development (Cambridge), 2003, 130, 5741-5754.	2.5	102
11	Themother superiormutation ablatesfoxd3activity in neural crest progenitor cells and depletes neural crest derivatives in zebrafish. Developmental Dynamics, 2006, 235, 3199-3212.	1.8	101
12	An exclusively mesodermal origin of fin mesenchyme demonstrates that zebrafish trunk neural crest does not generate ectomesenchyme. Development (Cambridge), 2013, 140, 2923-2932.	2.5	96
13	ENU mutagenesis in zebrafishâ€"from genes to complex diseases. Mammalian Genome, 2000, 11, 511-519.	2.2	71
14	A Selective Glial Barrier at Motor Axon Exit Points Prevents Oligodendrocyte Migration from the Spinal Cord. Journal of Neuroscience, 2009, 29, 15187-15194.	3.6	68
15	In vivo cell biology in zebrafish â€“ providing insights into vertebrate development and disease. Journal of Cell Science, 2014, 127, 485-495.	2.0	60
16	ME1 and GE1: Basic Helix - Loop - Helix Transcription Factors Expressed at High Levels in the Developing Nervous System and in Morphogenetically Active Regions. European Journal of Neuroscience, 1993, 5, 311-318.	2.6	56
17	Trafficking mechanisms of extracellular matrix macromolecules: Insights from vertebrate development and human diseases. International Journal of Biochemistry and Cell Biology, 2014, 47, 57-67.	2.8	55
18	Thefeelgoodmutation in zebrafish dysregulates COPII-dependent secretion of select extracellular matrix proteins in skeletal morphogenesis. DMM Disease Models and Mechanisms, 2011, 4, 763-776.	2.4	54

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19	Evolution of the hypoxia-sensitive cells involved in amniote respiratory reflexes. ELife, 2017, 6, .	6.0	54
20	Gremlin 2 Promotes Differentiation of Embryonic Stem Cells to Atrial Fate by Activation of the JNK Signaling Pathway. Stem Cells, 2014, 32, 1774-1788.	3.2	45
21	Animal model of Sar1b deficiency presents lipid absorption deficits similar to Anderson disease. Journal of Molecular Medicine, 2015, 93, 165-176.	3.9	44
22	Functional modeling in zebrafish demonstrates that the atrial-fibrillation-associated geneGREM2regulates cardiac laterality, cardiomyocyte differentiation and atrial rhythm. DMM Disease Models and Mechanisms, 2013, 6, 332-41.	2.4	42
23	Dynamic Glycosylation Governs the Vertebrate COPII Protein Trafficking Pathway. Biochemistry, 2018, 57, 91-107.	2.5	41
24	Sequence analysis of zebrafish chondromodulin-1 and expression profile in the notochord and chondrogenic regions during cartilage morphogenesis. Mechanisms of Development, 2001, 105, 157-162.	1.7	35
25	A major zebrafish polymorphism resource for genetic mapping. Genome Biology, 2007, 8, R55.	9.6	35
26	The Nuclear Pore Complex Function of Sec13 Protein Is Required for Cell Survival during Retinal Development. Journal of Biological Chemistry, 2014, 289, 11971-11985.	3.4	33
27	Metabolic coessentiality mapping identifies C12orf49 as a regulator of SREBP processing and cholesterol metabolism. Nature Metabolism, 2020, 2, 487-498.	11.9	32
28	Phenome-based approach identifies RIC1-linked Mendelian syndrome through zebrafish models, biobank associations and clinical studies. Nature Medicine, 2020, 26, 98-109.	30.7	32
29	Expression of the protein related to Dan and Cerberus gene-prdc-During eye, pharyngeal arch, somite, and swim bladder development in zebrafish. Developmental Dynamics, 2006, 235, 2881-2888.	1.8	26
30	Goodpasture Antigen-binding Protein and Its Spliced Variant, Ceramide Transfer Protein, Have Different Functions in the Modulation of Apoptosis during Zebrafish Development. Journal of Biological Chemistry, 2008, 283, 20495-20504.	3.4	26
31	Tumor suppressor Lzap regulates cell cycle progression, doming, and zebrafish epiboly. Developmental Dynamics, 2011, 240, 1613-1625.	1.8	26
32	Traffic jams in fish bones. Cell Adhesion and Migration, 2011, 5, 114-118.	2.7	24
33	A conserved role of Î±A-crystallin in the development of the zebrafish embryonic lens. Experimental Eye Research, 2015, 138, 104-113.	2.6	24
34	Gene Mapping in Zebrafish Using Single-Strand Conformation Polymorphism Analysis. Genomics, 1998, 51, 216-222.	2.9	23
35	Zebrafish Developmental Models of Skeletal Diseases. Current Topics in Developmental Biology, 2017, 124, 81-124.	2.2	21
36	GRIK5 Genetically Regulated Expression Associated with Eye and Vascular Phenomes: Discovery through Iteration among Biobanks, Electronic Health Records, and Zebrafish. American Journal of Human Genetics, 2019, 104, 503-519.	6.2	21

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37	The NADH Oxidase ENOX1, a Critical Mediator of Endothelial Cell Radiosensitization, Is Crucial for Vascular Development. Cancer Research, 2014, 74, 38-43.	0.9	15
38	Insert-containing neurotrophins in teleost fish and their relationship to nerve growth factor. Molecular and Cellular Neurosciences, 2003, 24, 380-394.	2.2	14
39	Characterization of a Zebrafish/Mouse Somatic Cell Hybrid Panel. Genomics, 2000, 64, 119-126.	2.9	6
40	Zebrafish Erc1b mediates motor innervation and organization of craniofacial muscles in control of jaw movement. Developmental Dynamics, 0, , .	1.8	3