

Ela W Knapik

List of Publications by Year in descending order

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Version: 2024-02-01

40
papers

3,525
citations

218677

26
h-index

302126

39
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41
all docs

41
docs citations

41
times ranked

4077
citing authors

#	ARTICLE	IF	CITATIONS
1	Metabolic coessentiality mapping identifies C12orf49 as a regulator of SREBP processing and cholesterol metabolism. <i>Nature Metabolism</i> , 2020, 2, 487-498.	11.9	32
2	Phenome-based approach identifies RIC1-linked Mendelian syndrome through zebrafish models, biobank associations and clinical studies. <i>Nature Medicine</i> , 2020, 26, 98-109.	30.7	32
3	GRIK5 Genetically Regulated Expression Associated with Eye and Vascular Phenomes: Discovery through Iteration among Biobanks, Electronic Health Records, and Zebrafish. <i>American Journal of Human Genetics</i> , 2019, 104, 503-519.	6.2	21
4	Dynamic Glycosylation Governs the Vertebrate COPII Protein Trafficking Pathway. <i>Biochemistry</i> , 2018, 57, 91-107.	2.5	41
5	Zebrafish Developmental Models of Skeletal Diseases. <i>Current Topics in Developmental Biology</i> , 2017, 124, 81-124.	2.2	21
6	Evolution of the hypoxia-sensitive cells involved in amniote respiratory reflexes. <i>ELife</i> , 2017, 6, .	6.0	54
7	A conserved role of β -crystallin in the development of the zebrafish embryonic lens. <i>Experimental Eye Research</i> , 2015, 138, 104-113.	2.6	24
8	Animal model of Sar1b deficiency presents lipid absorption deficits similar to Anderson disease. <i>Journal of Molecular Medicine</i> , 2015, 93, 165-176.	3.9	44
9	Gremlin 2 Promotes Differentiation of Embryonic Stem Cells to Atrial Fate by Activation of the JNK Signaling Pathway. <i>Stem Cells</i> , 2014, 32, 1774-1788.	3.2	45
10	Trafficking mechanisms of extracellular matrix macromolecules: Insights from vertebrate development and human diseases. <i>International Journal of Biochemistry and Cell Biology</i> , 2014, 47, 57-67.	2.8	55
11	The NADH Oxidase ENOX1, a Critical Mediator of Endothelial Cell Radiosensitization, Is Crucial for Vascular Development. <i>Cancer Research</i> , 2014, 74, 38-43.	0.9	15
12	In vivo cell biology in zebrafish “providing insights into vertebrate development and disease. <i>Journal of Cell Science</i> , 2014, 127, 485-495.	2.0	60
13	The Nuclear Pore Complex Function of Sec13 Protein Is Required for Cell Survival during Retinal Development. <i>Journal of Biological Chemistry</i> , 2014, 289, 11971-11985.	3.4	33
14	Functional modeling in zebrafish demonstrates that the atrial-fibrillation-associated gene <i>GREM2</i> regulates cardiac laterality, cardiomyocyte differentiation and atrial rhythm. <i>DMM Disease Models and Mechanisms</i> , 2013, 6, 332-41.	2.4	42
15	An exclusively mesodermal origin of fin mesenchyme demonstrates that zebrafish trunk neural crest does not generate ectomesenchyme. <i>Development (Cambridge)</i> , 2013, 140, 2923-2932.	2.5	96
16	Tfap2a and Foxd3 regulate early steps in the development of the neural crest progenitor population. <i>Developmental Biology</i> , 2011, 360, 173-185.	2.0	113
17	Tumor suppressor Lzap regulates cell cycle progression, doming, and zebrafish epiboly. <i>Developmental Dynamics</i> , 2011, 240, 1613-1625.	1.8	26
18	An SNP-Based Linkage Map for Zebrafish Reveals Sex Determination Loci. <i>G3: Genes, Genomes, Genetics</i> , 2011, 1, 3-9.	1.8	145

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19	Traffic jams in fish bones. <i>Cell Adhesion and Migration</i> , 2011, 5, 114-118.	2.7	24
20	The <i>feelgood</i> mutation in zebrafish dysregulates COPII-dependent secretion of select extracellular matrix proteins in skeletal morphogenesis. <i>DMM Disease Models and Mechanisms</i> , 2011, 4, 763-776.	2.4	54
21	Mutations in <i>fam20b</i> and <i>xylt1</i> Reveal That Cartilage Matrix Controls Timing of Endochondral Ossification by Inhibiting Chondrocyte Maturation. <i>PLoS Genetics</i> , 2011, 7, e1002246.	3.5	106
22	Sec24D-Dependent Transport of Extracellular Matrix Proteins Is Required for Zebrafish Skeletal Morphogenesis. <i>PLoS ONE</i> , 2010, 5, e10367.	2.5	110
23	A Selective Glial Barrier at Motor Axon Exit Points Prevents Oligodendrocyte Migration from the Spinal Cord. <i>Journal of Neuroscience</i> , 2009, 29, 15187-15194.	3.6	68
24	Goodpasture Antigen-binding Protein and Its Spliced Variant, Ceramide Transfer Protein, Have Different Functions in the Modulation of Apoptosis during Zebrafish Development. <i>Journal of Biological Chemistry</i> , 2008, 283, 20495-20504.	3.4	26
25	A major zebrafish polymorphism resource for genetic mapping. <i>Genome Biology</i> , 2007, 8, R55.	9.6	35
26	Secretory COPII coat component <i>Sec23a</i> is essential for craniofacial chondrocyte maturation. <i>Nature Genetics</i> , 2006, 38, 1198-1203.	21.4	166
27	Expression of the protein related to <i>Dan</i> and <i>Cerberus</i> gene- <i>prdc</i> -During eye, pharyngeal arch, somite, and swim bladder development in zebrafish. <i>Developmental Dynamics</i> , 2006, 235, 2881-2888.	1.8	26
28	The mother superior mutation ablates <i>foxd3</i> activity in neural crest progenitor cells and depletes neural crest derivatives in zebrafish. <i>Developmental Dynamics</i> , 2006, 235, 3199-3212.	1.8	101
29	Neural crest survival and differentiation in zebrafish depends on <i>mont blanc/tfap2a</i> gene function. <i>Development (Cambridge)</i> , 2004, 131, 1463-1477.	2.5	145
30	Insert-containing neurotrophins in teleost fish and their relationship to nerve growth factor. <i>Molecular and Cellular Neurosciences</i> , 2003, 24, 380-394.	2.2	14
31	Noradrenergic neurons in the zebrafish hindbrain are induced by retinoic acid and require <i>tfap2a</i> for expression of the neurotransmitter phenotype. <i>Development (Cambridge)</i> , 2003, 130, 5741-5754.	2.5	102
32	Sequence analysis of zebrafish chondromodulin-1 and expression profile in the notochord and chondrogenic regions during cartilage morphogenesis. <i>Mechanisms of Development</i> , 2001, 105, 157-162.	1.7	35
33	ENU mutagenesis in zebrafish – from genes to complex diseases. <i>Mammalian Genome</i> , 2000, 11, 511-519.	2.2	71
34	Characterization of a Zebrafish/Mouse Somatic Cell Hybrid Panel. <i>Genomics</i> , 2000, 64, 119-126.	2.9	6
35	Zebrafish Genetic Map with 2000 Microsatellite Markers. <i>Genomics</i> , 1999, 58, 219-232.	2.9	328
36	A microsatellite genetic linkage map for zebrafish (<i>Danio rerio</i>). <i>Nature Genetics</i> , 1998, 18, 338-343.	21.4	333

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37	Vertebrate genome evolution and the zebrafish gene map. <i>Nature Genetics</i> , 1998, 18, 345-349.	21.4	792
38	Gene Mapping in Zebrafish Using Single-Strand Conformation Polymorphism Analysis. <i>Genomics</i> , 1998, 51, 216-222.	2.9	23
39	ME1 and GE1: Basic Helix - Loop - Helix Transcription Factors Expressed at High Levels in the Developing Nervous System and in Morphogenetically Active Regions. <i>European Journal of Neuroscience</i> , 1993, 5, 311-318.	2.6	56
40	Zebrafish Erc1b mediates motor innervation and organization of craniofacial muscles in control of jaw movement. <i>Developmental Dynamics</i> , 0, , .	1.8	3