

Elisabeth M Busch-Nentwich

List of Publications by Year in descending order

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Version: 2024-02-01

34
papers

1,806
citations

567281

15
h-index

501196

28
g-index

48
all docs

48
docs citations

48
times ranked

3441
citing authors

#	ARTICLE	IF	CITATIONS
1	A systematic genome-wide analysis of zebrafish protein-coding gene function. <i>Nature</i> , 2013, 496, 494-497.	27.8	579
2	Placentation defects are highly prevalent in embryonic lethal mouse mutants. <i>Nature</i> , 2018, 555, 463-468.	27.8	287
3	A high-resolution mRNA expression time course of embryonic development in zebrafish. <i>ELife</i> , 2017, 6, .	6.0	257
4	scRNA-Seq reveals distinct stem cell populations that drive hair cell regeneration after loss of Fgf and Notch signaling. <i>ELife</i> , 2019, 8, .	6.0	130
5	mRNA processing in mutant zebrafish lines generated by chemical and CRISPR-mediated mutagenesis produces unexpected transcripts that escape nonsense-mediated decay. <i>PLoS Genetics</i> , 2017, 13, e1007105.	3.5	95
6	Integration of Tmc1/2 into the mechanotransduction complex in zebrafish hair cells is regulated by Transmembrane O-methyltransferase (Tomt). <i>ELife</i> , 2017, 6, .	6.0	67
7	Chemokine receptor trafficking coordinates neutrophil clustering and dispersal at wounds in zebrafish. <i>Nature Communications</i> , 2019, 10, 5166.	12.8	47
8	KDM2A integrates DNA and histone modification signals through a CXXC/PHD module and direct interaction with HP1. <i>Nucleic Acids Research</i> , 2017, 45, gkw979.	14.5	35
9	The gene regulatory basis of genetic compensation during neural crest induction. <i>PLoS Genetics</i> , 2019, 15, e1008213.	3.5	34
10	Efficient identification of CRISPR/Cas9-induced insertions/deletions by direct germline screening in zebrafish. <i>BMC Genomics</i> , 2016, 17, 259.	2.8	31
11	PRL3-DDX21 Transcriptional Control of Endolysosomal Genes Restricts Melanocyte Stem Cell Differentiation. <i>Developmental Cell</i> , 2020, 54, 317-332.e9.	7.0	30
12	Multi-allelic phenotyping – A systematic approach for the simultaneous analysis of multiple induced mutations. <i>Methods</i> , 2013, 62, 197-206.	3.8	26
13	Compensatory growth renders Tcf7l1a dispensable for eye formation despite its requirement in eye field specification. <i>ELife</i> , 2019, 8, .	6.0	21
14	Identification of slit3 as a locus affecting nicotine preference in zebrafish and human smoking behaviour. <i>ELife</i> , 2020, 9, .	6.0	21
15	A point mutation decouples the lipid transfer activities of microsomal triglyceride transfer protein. <i>PLoS Genetics</i> , 2020, 16, e1008941.	3.5	20
16	High-throughput and quantitative genome-wide messenger RNA sequencing for molecular phenotyping. <i>BMC Genomics</i> , 2015, 16, 578.	2.8	19
17	Common and distinct transcriptional signatures of mammalian embryonic lethality. <i>Nature Communications</i> , 2019, 10, 2792.	12.8	16
18	Loss of the chromatin modifier Kdm2aa causes BrafV600E-independent spontaneous melanoma in zebrafish. <i>PLoS Genetics</i> , 2017, 13, e1006959.	3.5	13

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19	Deep phenotyping in zebrafish reveals genetic and diet-induced adiposity changes that may inform disease risk. <i>Journal of Lipid Research</i> , 2018, 59, 1536-1545.	4.2	13
20	Dicer1 is required for pigment cell and craniofacial development in zebrafish. <i>Biochimica Et Biophysica Acta - Gene Regulatory Mechanisms</i> , 2019, 1862, 472-485.	1.9	12
21	Allele-specific gene expression can underlie altered transcript abundance in zebrafish mutants. <i>ELife</i> , 2022, 11, .	6.0	9
22	Translational relevance of forward genetic screens in animal models for the study of psychiatric disease. <i>Neuroscience and Biobehavioral Reviews</i> , 2022, 135, 104559.	6.1	7
23	Total Nucleic Acid Extraction from Single Zebrafish Embryos for Genotyping and RNA-seq. <i>Bio-protocol</i> , 2022, 12, e4284.	0.4	6
24	Loss of <i>slc39a14</i> causes simultaneous manganese hypersensitivity and deficiency in zebrafish. <i>DMM Disease Models and Mechanisms</i> , 2022, 15, .	2.4	4
25	Behavioral and Gene Regulatory Responses to Developmental Drug Exposures in Zebrafish. <i>Frontiers in Psychiatry</i> , 2021, 12, 795175.	2.6	3
26	The age of heterozygous telomerase mutant parents influences the adult phenotype of their offspring irrespective of genotype in zebrafish. <i>Wellcome Open Research</i> , 2017, 2, 77.	1.8	2
27	The age of heterozygous telomerase mutant parents influences the adult phenotype of their offspring irrespective of genotype in zebrafish. <i>Wellcome Open Research</i> , 0, 2, 77.	1.8	2
28	Ankk1 Loss of Function Disrupts Dopaminergic Pathways in Zebrafish. <i>Frontiers in Neuroscience</i> , 2022, 16, 794653.	2.8	2
29	Title is missing!. , 2020, 16, e1008941.		0
30	Title is missing!. , 2020, 16, e1008941.		0
31	Title is missing!. , 2020, 16, e1008941.		0
32	Title is missing!. , 2020, 16, e1008941.		0
33	Title is missing!. , 2020, 16, e1008941.		0
34	Title is missing!. , 2020, 16, e1008941.		0