Kathryn E Hentges

List of Publications by Year
in descending order

38 papers	1,025 citations	471509 17 h-index	454955 30 g-index
40 all docs	40 docs citations	40 times ranked	2087 citing authors

#	Article	IF	Citations
1	Functional genetic analysis of mouse chromosome 11. Nature, 2003, 425, 81-86.	27.8	194
2	Whole Exome Sequencing Reveals the Major Genetic Contributors to Nonsyndromic Tetralogy of Fallot. Circulation Research, 2019, 124, 553-563.	4.5	118
3	Defining the Role of Essential Genes in Human Disease. PLoS ONE, 2011, 6, e27368.	2.5	89
4	Reproducibility of CRISPR-Cas9 methods for generation of conditional mouse alleles: a multi-center evaluation. Genome Biology, 2019, 20, 171.	8.8	69
5	Gene Duplication and Environmental Adaptation within Yeast Populations. Genome Biology and Evolution, 2010, 2, 591-601.	2.5	44
6	Discovery of Candidate Disease Genes in ENUâ€“Induced Mouse Mutants by Large-Scale Sequencing, Including a Splice-Site Mutation in Nucleoredoxin. PLoS Genetics, 2009, 5, e1000759.	3.5	39
7	The Mediator complex protein Med31 is required for embryonic growth and cell proliferation during mammalian development. Developmental Biology, 2010, 342, 146-156.	2.0	38
8	Checks and balancers: balancer chromosomes to facilitate genome annotation. Trends in Genetics, 2004, 20, 252-259.	6.7	35
9	Evi3, a zinc-finger protein related to EBFAZ, regulates EBF activity in B-cell leukemia. Oncogene, 2005, 24, 1220-1230.	5.9	31
10	Novel lethal mouse mutants produced in balancer chromosome screens. Gene Expression Patterns, 2006, 6, 653-665.	0.8	26
11	Regional Variation in the Density of Essential Genes in Mice. PLoS Genetics, 2007, 3, e72.	3.5	26
12	The Use of Scenario-Based-Learning Interactive Software to Create Custom Virtual Laboratory Scenarios for Teaching Genetics. Genetics, 2008, 179, 1151-1155.	2.9	25
13	Disease modeling of core pre-mRNA splicing factor haploinsufficiency. Human Molecular Genetics, 2019, 28, 3704-3723.	2.9	24
14	Non-muscle myosin IIB (Myh10) is required for epicardial function and coronary vessel formation during mammalian development. PLoS Genetics, 2017, 13, e1007068.	3.5	22
15	Enforced Expression of Hoxa3 Inhibits Classical and Promotes Alternative Activation of Macrophages In Vitro and In Vivo. Journal of Immunology, 2016, 197, 872-884.	0.8	21
16	Mediator complex proteins are required for diverse developmental processes. Seminars in Cell and Developmental Biology, 2011, 22, 769-775.	5.0	20
17	Genome-wide identification of mouse congenital heart disease loci. Human Molecular Genetics, 2010, 19, 3105-3113.	2.9	19
18	Integration of Large-Scale Genomic Data Sources With Evolutionary History Reveals Novel Genetic Loci for Congenital Heart Disease. Circulation Genomic and Precision Medicine, 2019, 12, 442-451.	3.6	19

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19	Identifying mouse developmental essential genes using machine learning. DMM Disease Models and Mechanisms, 2018, 11, .	2.4	18
20	Properties of genes essential for mouse development. PLoS ONE, 2017, 12, e0178273.	2.5	17
21	The functional diversity of essential genes required for mammalian cardiac development. Genesis, 2014, 52, 713-737.	1.6	15
22	EFTUD2 missense variants disrupt protein function and splicing in mandibulofacial dysostosis Guionâ€Almeida type. Human Mutation, 2020, 41, 1372-1382.	2.5	15
23	Retroviral insertions in the VISION database identify molecular pathways in mouse lymphoid leukemia and lymphoma. Mammalian Genome, 2007, 18, 709-722.	2.2	14
24	Association of congenital cardiovascular malformation and neuropsychiatric phenotypes with 15q11.2 (BP1â€“BP2) deletion in the UK Biobank. European Journal of Human Genetics, 2020, 28, 1265-1273.	2.8	14
25	Transcriptional regulation of the protoâ€oncogene Zfp521 by SPI1 (PU.1) and HOXC13. Genesis, 2016, 54, 519-533.	1.6	10
26	Locus heterogeneity disease genes encode proteins with high interconnectivity in the human protein interaction network. Frontiers in Genetics, 2014, 5, 434.	2.3	8
27	The Essentiality Status of Mouse Duplicate Gene Pairs Correlates with Developmental Co-Expression Patterns. Scientific Reports, 2019, 9, 3224.	3.3	8
28	Erbb2 Is Required for Cardiac Atrial Electrical Activity during Development. PLoS ONE, 2014, 9, e107041.	2.5	7
29	Zfp521 promotes B-cell viability and cyclin D1 gene expression in a B cell culture system. Leukemia Research, 2016, 46, 10-17.	0.8	7
30	Comparative physical maps of the human and mouse Meckel syndrome critical regions. Mammalian Genome, 2004, 15, 252-264.	2.2	6
31	Tnfrsf13c (Baffr) is Mis-expressed in Tumors with Murine Leukemia Virus Insertions at Lvis22. Genomics, 2002, 80, 204-212.	2.9	5
32	Correlation of microsynteny conservation and disease gene distribution in mammalian genomes. BMC Genomics, 2009, 10, 521.	2.8	5
33	The role of splicing factors in retinitis pigmentosa: links to cilia. Biochemical Society Transactions, 2021, 49, 1221-1231.	3.4	5
34	Filamentous nestin and nonmuscle myosin IIB are associated with a migratory phenotype in neonatal rat cardiomyocytes. Journal of Cellular Physiology, 2021, 236, 1281-1294.	4.1	4
35	Response to correspondence on â€œReproducibility of CRISPR-Cas9 methods for generation of conditional mouse alleles: a multi-center evaluationâ€• Genome Biology, 2021, 22, 99.	8.8	4
36	The Mediator complex: Crucial functions in transcription with links to development and disease. Seminars in Cell and Developmental Biology, 2011, 22, 728.	5.0	3

#	Article	IF	Citations
37	A missense mutation of ErbB2 produces a novel mouse model of stillbirth associated with a cardiac abnormality but lacking abnormalities of placental structure. PLoS ONE, 2020, 15, e0233007.	2.5	1
38	Câ€...Identification of the major genetic contributors to tetralogy of fallot. , 2019, , .		0