Susan Lindsay

List of Publications by Year
in descending order

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47 papers	5,096 citations	136740 32 h-index	223531 46 g-index
49 all docs	49 docs citations	49 times ranked	9834 citing authors

#	Article	IF	Citations
1	Human TUBB3 Mutations Perturb Microtubule Dynamics, Kinesin Interactions, and Axon Guidance. Cell, 2010, 140, 74-87.	13.5	515
2	Single-cell transcriptomes from human kidneys reveal the cellular identity of renal tumors. Science, 2018, 361, 594-599.	6.0	511
3	Gene expression across mammalian organ development. Nature, 2019, 571, 505-509.	13.7	490
4	Decoding human fetal liver haematopoiesis. Nature, 2019, 574, 365-371.	13.7	392
5	A homeobox gene, HLXB9, is the major locus for dominantly inherited sacral agenesis. Nature Genetics, 1998, 20, 358-361.	9.4	287
6	Spatiotemporal immune zonation of the human kidney. Science, 2019, 365, 1461-1466.	6.0	281
7	WDR62 is associated with the spindle pole and is mutated in human microcephaly. Nature Genetics, 2010, 42, 1010-1014.	9.4	255
8	A Molecular Neuroanatomical Study of the Developing Human Neocortex from 8 to 17 Postconceptional Weeks Revealing the Early Differentiation of the Subplate and Subventricular Zone. Cerebral Cortex, 2008, 18, 1536-1548.	1.6	190
9	Hepatic Differentiation of Murine Embryonic Stem Cells. Experimental Cell Research, 2002, 272, 15-22.	1.2	182
10	Disrupted alternative splicing for genes implicated in splicing and ciliogenesis causes PRPF31 retinitis pigmentosa. Nature Communications, 2018, 9, 4234.	5.8	158
11	Human CHN1 Mutations Hyperactivate Î±2-Chimaerin and Cause Duane's Retraction Syndrome. Science, 2008, 321, 839-843.	6.0	152
12	Neurodevelopmental protein Musashi-1 interacts with the Zika genome and promotes viral replication. Science, 2017, 357, 83-88.	6.0	152
13	A Comparative Proteomic Analysis of Human and Rat Embryonic Cerebrospinal Fluid. Journal of Proteome Research, 2007, 6, 3537-3548.	1.8	118
14	Craniofacial expression of human and murine TBX22 correlates with the cleft palate and ankyloglossia phenotype observed in CPX patients. Human Molecular Genetics, 2002, 11, 2793-2804.	1.4	87
15	A novel human Wnt gene, WNT10B, maps to 12q13 and is expressed in human breast carcinomas. Oncogene, 1997, 14, 1249-1253.	2.6	86
16	Enabling research with human embryonic and fetal tissue resources. Development (Cambridge), 2015, 142, 3073-3076.	1.2	79
17	Characterisation of Wnt gene expression during the differentiation of murine embryonic stem cells in vitro: role of Wnt3 in enhancing haematopoietic differentiation. Mechanisms of Development, 2001, 103, 49-59.	1.7	78
18	Subplate in the developing cortex of mouse and human. Journal of Anatomy, 2010, 217, 368-380.	0.9	78

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19	An integrated transcriptional analysis of the developing human retina. Development (Cambridge), 2019, 146, .	1.2	75
20	The Early Fetal Development of Human Neocortical GABAergic Interneurons. Cerebral Cortex, 2015, 25, 631-645.	1.6	72
21	Abnormal retinal development associated with FRMD7 mutations. Human Molecular Genetics, 2014, 23, 4086-4093.	1.4	70
22	3 dimensional modelling of early human brain development using optical projection tomography. BMC Neuroscience, 2004, 5, 27.	0.8	69
23	Progressive loss of PAX6, TBR2, NEUROD and TBR1 mRNA gradients correlates with translocation of EMX2 to the cortical plate during human cortical development. European Journal of Neuroscience, 2008, 28, 1449-1456.	1.2	69
24	The nystagmus-associated FRMD7 gene regulates neuronal outgrowth and development. Human Molecular Genetics, 2010, 19, 342-351.	1.4	64
25	Investigating gradients of gene expression involved in early human cortical development. Journal of Anatomy, 2010, 217, 300-311.	0.9	55
26	The clinical and molecular genetic features of idiopathic infantile periodic alternating nystagmus. Brain, 2011, 134, 892-902.	3.7	52
27	The Corticofugal Neuron-Associated Genes ROBO1, SRGAP1, and CTIP2 Exhibit an Anterior to Posterior Gradient of Expression in Early Fetal Human Neocortex Development. Cerebral Cortex, 2011, 21, 1395-1407.	1.6	47
28	A giant novel gene undergoing extensive alternative splicing is severed by a Cornelia de Lange-associated translocation breakpoint at 3q26.3. Human Genetics, 2004, 115, 139-48.	1.8	44
29	The HUDSEN Atlas: a threeâ€dimensional (3D) spatial framework for studying gene expression in the developing human brain. Journal of Anatomy, 2010, 217, 289-299.	0.9	40
30	X chromosome linkage studies in familial Rett syndrome. Human Genetics, 1993, 90, 551-5.	1.8	39
31	Distinct cortical and sub-cortical neurogenic domains for GABAergic interneuron precursor transcription factors NKX2.1, OLIG2 and COUP-TFII in early fetal human telencephalon. Brain Structure and Function, 2017, 222, 2309-2328.	1.2	37
32	Extracellular matrix component expression in human pluripotent stem cell-derived retinal organoids recapitulates retinogenesis in vivo and reveals an important role for IMPG1 and CD44 in the development of photoreceptors and interphotoreceptor matrix. Acta Biomaterialia, 2018, 74, 207-221.	4.1	34
33	Truncation ofNHEJ1 in a patient with polymicrogyria. Human Mutation, 2007, 28, 356-364.	1.1	33
34	Mapping human development at single-cell resolution. Development (Cambridge), 2018, 145, .	1.2	30
35	The embryological basis of subclinical hypertrophic cardiomyopathy. Scientific Reports, 2016, 6, 27714.	1.6	29
36	3D modelling, gene expression mapping and post-mapping image analysis in the developing human brain. Brain Research Bulletin, 2005, 66, 449-453.	1.4	26

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37	MRCâ€“Wellcome Trust Human Developmental Biology Resource: enabling studies of human developmental gene expression. Trends in Genetics, 2005, 21, 586-590.	2.9	24
38	Laminin Î³3 plays an important role in retinal lamination, photoreceptor organisation and ganglion cell differentiation. Cell Death and Disease, 2018, 9, 615.	2.7	21
39	Investigating Embryonic Expression Patterns and Evolution of AHI1 and CEP290 Genes, Implicated in Joubert Syndrome. PLoS ONE, 2012, 7, e44975.	1.1	15
40	JAtlasView: a Java atlas-viewer for browsing biomedical 3D images and atlases. BMC Bioinformatics, 2005, 6, 47.	1.2	14
41	In Vitro Modelling of Cortical Neurogenesis by Sequential Induction of Human Umbilical Cord Blood Stem Cells. Stem Cell Reviews and Reports, 2012, 8, 210-223.	5.6	12
42	An improved method for the simultaneous demonstration of mRNA and esterase activity at the human neuromuscular junction. The Histochemical Journal, 1998, 30, 7-11.	0.6	11
43	Expression of PLA2G6 in human fetal development: Implications for infantile neuroaxonal dystrophy. Brain Research Bulletin, 2010, 83, 374-379.	1.4	11
44	CAC - the neglected repeat. BioEssays, 1996, 18, 237-242.	1.2	5
45	From spatial-data to 3D models of the developing human brain. Methods, 2010, 50, 96-104.	1.9	4
46	Mutations in phospholipase C eta-1 (PLCH1) are associated with holoprosencephaly. Journal of Medical Genetics, 2022, 59, 358-365.	1.5	3
47	Hepatic Differentiation of Murine Embryonic Stem Cells. Clinical Science, 2002, 103, 37P-37P.	0.0	0