Christopher A Walsh

List of Publications by Year in Descending Order

259 papers	34,473 citations	100 h-index	184 g-index
313 ext. papers	40,322 ext. citations	15.4 avg, IF	7.01 L-index

#	Paper	IF	Citations
259	Brain ventricles as windows into brain development and disease.. *Neuron*, **2022**, 110, 12-15	13.9	1
258	Somatic mosaicism reveals clonal distributions of neocortical development.. *Nature*, **2022**,	50.4	1
257	Somatic genomic changes in single Alzheimer's disease neurons.. *Nature*, **2022**,	50.4	5
256	Whole-genome analysis reveals the contribution of non-coding de novo transposon insertions to autism spectrum disorder. *Mobile DNA*, **2021**, 12, 28	4.4	2
255	Landmarks of human embryonic development inscribed in somatic mutations. *Science*, **2021**, 371, 1249-1253	33.3	13
254	Comprehensive identification of somatic nucleotide variants in human brain tissue. *Genome Biology*, **2021**, 22, 92	18.3	3
253	16p11.2 deletion is associated with hyperactivation of human iPSC-derived dopaminergic neuron networks and is rescued by RHOA inhibition in vitro. *Nature Communications*, **2021**, 12, 2897	17.4	5
252	DNA Adductomics by mass tag prelabeling. *Rapid Communications in Mass Spectrometry*, **2021**, 35, e9095	2.2	0
251	Toward a better definition of focal cortical dysplasia: An iterative histopathological and genetic agreement trial. *Epilepsia*, **2021**, 62, 1416-1428	6.4	12
250	De novo variants in TCF7L2 are associated with a syndromic neurodevelopmental disorder. *American Journal of Medical Genetics, Part A*, **2021**, 185, 2384-2390	2.5	2
249	Somatic copy number variants in neuropsychiatric disorders. *Current Opinion in Genetics and Development*, **2021**, 68, 9-17	4.9	1
248	Early role for a Na,K-ATPase () in brain development. *Proceedings of the National Academy of Sciences of the United States of America*, **2021**, 118,	11.5	1
247	Application of single cell genomics to focal epilepsies: A call to action. *Brain Pathology*, **2021**, 31, e12958	6	1
246	Large mosaic copy number variations confer autism risk. *Nature Neuroscience*, **2021**, 24, 197-203	25.5	10
245	The landscape of somatic mutation in cerebral cortex of autistic and neurotypical individuals revealed by ultra-deep whole-genome sequencing. *Nature Neuroscience*, **2021**, 24, 176-185	25.5	19
244	RCL1 copy number variants are associated with a range of neuropsychiatric phenotypes. *Molecular Psychiatry*, **2021**, 26, 1706-1718	15.1	3
243	A recurrent, homozygous EMC10 frameshift variant is associated with a syndrome of developmental delay with variable seizures and dysmorphic features. *Genetics in Medicine*, **2021**, 23, 1158-1162	8.1	2

242	MIPP-Seq: ultra-sensitive rapid detection and validation of low-frequency mosaic mutations. *BMC Medical Genomics*, **2021**, 14, 47	3.7	4
241	Rates and patterns of clonal oncogenic mutations in the normal human brain. *Cancer Discovery*, **2021**,	24.4	2
240	Biallelic loss-of-function variants in WDR11 are associated with microcephaly and intellectual disability. *European Journal of Human Genetics*, **2021**, 29, 1663-1668	5.3	2
239	Brain Somatic Mutation in Aging and Alzheimer's Disease. *Annual Review of Genomics and Human Genetics*, **2021**, 22, 239-256	9.7	8
238	Rewiring of human neurodevelopmental gene regulatory programs by human accelerated regions. *Neuron*, **2021**, 109, 3239-3251.e7	13.9	13
237	Recent Advances in Understanding the Genetic Architecture of Autism. *Annual Review of Genomics and Human Genetics*, **2020**, 21, 289-304	9.7	11
236	Parallel RNA and DNA analysis after deep sequencing (PRDD-seq) reveals cell type-specific lineage patterns in human brain. *Proceedings of the National Academy of Sciences of the United States of America*, **2020**, 117, 13886-13895	11.5	13
235	Focal cortical dysplasia **2020**, 285-307		1
234	Posterior Neocortex-Specific Regulation of Neuronal Migration by CEP85L Identifies Maternal Centriole-Dependent Activation of CDK5. *Neuron*, **2020**, 106, 246-255.e6	13.9	8
233	Regulation of human cerebral cortical development by EXOC7 and EXOC8, components of the exocyst complex, and roles in neural progenitor cell proliferation and survival. *Genetics in Medicine*, **2020**, 22, 1040-1050	8.1	4
232	Large-Scale Exome Sequencing Study Implicates Both Developmental and Functional Changes in the Neurobiology of Autism. *Cell*, **2020**, 180, 568-584.e23	56.2	578
231	Ion Channel Functions in Early Brain Development. *Trends in Neurosciences*, **2020**, 43, 103-114	13.3	37
230	PDCD6IP, encoding a regulator of the ESCRT complex, is mutated in microcephaly. *Clinical Genetics*, **2020**, 98, 80-85	4	4
229	Accurate detection of mosaic variants in sequencing data without matched controls. *Nature Biotechnology*, **2020**, 38, 314-319	44.5	20
228	Innovations present in the primate interneuron repertoire. *Nature*, **2020**, 586, 262-269	50.4	74
227	Polymicrogyria is Associated With Pathogenic Variants in PTEN. *Annals of Neurology*, **2020**, 88, 1153-1164	9.4	4
226	Homozygous deletions implicate non-coding epigenetic marks in Autism spectrum disorder. *Scientific Reports*, **2020**, 10, 14045	4.9	3
225	APP gene copy number changes reflect exogenous contamination. *Nature*, **2020**, 584, E20-E28	50.4	10

224	The polymicrogyria-associated GPR56 promoter preferentially drives gene expression in developing GABAergic neurons in common marmosets. *Scientific Reports*, **2020**, 10, 21516	4.9	3
223	Genome aging: somatic mutation in the brain links age-related decline with disease and nominates pathogenic mechanisms. *Human Molecular Genetics*, **2019**, 28, R197-R206	5.6	22
222	Recessive gene disruptions in autism spectrum disorder. *Nature Genetics*, **2019**, 51, 1092-1098	36.3	56
221	SFI1 promotes centriole duplication by recruiting USP9X to stabilize the microcephaly protein STIL. *Journal of Cell Biology*, **2019**, 218, 2185-2197	7.3	7
220	Linked-read analysis identifies mutations in single-cell DNA-sequencing data. *Nature Genetics*, **2019**, 51, 749-754	36.3	42
219	Homozygous Missense Variants in NTNG2, Encoding a Presynaptic Netrin-G2 Adhesion Protein, Lead to a Distinct Neurodevelopmental Disorder. *American Journal of Human Genetics*, **2019**, 105, 1048-1056	11	13
218	Duplication 2p16 is associated with perisylvian polymicrogyria. *American Journal of Medical Genetics, Part A*, **2019**, 179, 2343-2356	2.5	
217	Rainer W. Guillery and the genetic analysis of brain development. *European Journal of Neuroscience*, **2019**, 49, 900-908	3.5	2
216	Aspm knockout ferret reveals an evolutionary mechanism governing cerebral cortical size. *Nature*, **2018**, 556, 370-375	50.4	77
215	Cover Image, Volume 176A, Number 2, February 2018. *American Journal of Medical Genetics, Part A*, **2018**, 176, i	2.5	1
214	Thoracic aortic aneurysm in patients with loss of function Filamin A mutations: Clinical characterization, genetics, and recommendations. *American Journal of Medical Genetics, Part A*, **2018**, 176, 337-350	2.5	26
213	PaSD-qc: quality control for single cell whole-genome sequencing data using power spectral density estimation. *Nucleic Acids Research*, **2018**, 46, e20	20.1	11
212	The ESCRT-III Protein CHMP1A Mediates Secretion of Sonic Hedgehog on a Distinctive Subtype of Extracellular Vesicles. *Cell Reports*, **2018**, 24, 973-986.e8	10.6	49
211	Evolutionary Changes in Transcriptional Regulation: Insights into Human Behavior and Neurological Conditions. *Annual Review of Neuroscience*, **2018**, 41, 185-206	17	10
210	Somatic Mutation in Pediatric Neurological Diseases. *Pediatric Neurology*, **2018**, 87, 20-22	2.9	16
209	Sodium Channel SCN3A (Na1.3) Regulation of Human Cerebral Cortical Folding and Oral Motor Development. *Neuron*, **2018**, 99, 905-913.e7	13.9	64
208	Making a Notch in the Evolution of the Human Cortex. *Developmental Cell*, **2018**, 45, 548-550	10.2	4
207	De novo and inherited private variants in MAP1B in periventricular nodular heterotopia. *PLoS Genetics*, **2018**, 14, e1007281	6	27

206	Aging and neurodegeneration are associated with increased mutations in single human neurons. *Science*, **2018**, 359, 555-559	33.3	315
205	DCC mutation update: Congenital mirror movements, isolated agenesis of the corpus callosum, and developmental split brain syndrome. *Human Mutation*, **2018**, 39, 23-39	4.7	26
204	PSMD12 haploinsufficiency in a neurodevelopmental disorder with autistic features. *American Journal of Medical Genetics Part B: Neuropsychiatric Genetics*, **2018**, 177, 736-745	3.5	10
203	Somatic mosaicism and neurodevelopmental disease. *Nature Neuroscience*, **2018**, 21, 1504-1514	25.5	122
202	The Genetics of Primary Microcephaly. *Annual Review of Genomics and Human Genetics*, **2018**, 19, 177-200	9.7	130
201	The Epigenetic State of PRDM16-Regulated Enhancers in Radial Glia Controls Cortical Neuron Position. *Neuron*, **2018**, 98, 945-962.e8	13.9	23
200	Cc2d1a Loss of Function Disrupts Functional and Morphological Development in Forebrain Neurons Leading to Cognitive and Social Deficits. *Cerebral Cortex*, **2017**, 27, 1670-1685	5.1	22
199	Building a lineage from single cells: genetic techniques for cell lineage tracking. *Nature Reviews Genetics*, **2017**, 18, 230-244	30.1	155
198	Biallelic mutations in human DCC cause developmental split-brain syndrome. *Nature Genetics*, **2017**, 49, 606-612	36.3	37
197	Identification of a novel CNTNAP1 mutation causing arthrogryposis multiplex congenita with cerebral and cerebellar atrophy. *European Journal of Medical Genetics*, **2017**, 60, 245-249	2.6	15
196	Intersection of diverse neuronal genomes and neuropsychiatric disease: The Brain Somatic Mosaicism Network. *Science*, **2017**, 356,	33.3	152
195	Integrated genome and transcriptome sequencing identifies a noncoding mutation in the genome replication factor as the cause of microcephaly-micromelia syndrome. *Genome Research*, **2017**, 27, 1323-1335	9.7	27
194	Rates, distribution and implications of postzygotic mosaic mutations in autism spectrum disorder. *Nature Neuroscience*, **2017**, 20, 1217-1224	25.5	144
193	Cerebral cortical neuron diversity and development at single-cell resolution. *Current Opinion in Neurobiology*, **2017**, 42, 9-16	7.6	38
192	Somatic Mutations Activating the mTOR Pathway in Dorsal Telencephalic Progenitors Cause a Continuum of Cortical Dysplasias. *Cell Reports*, **2017**, 21, 3754-3766	10.6	143
191	Cell-Type-Specific Alternative Splicing Governs Cell Fate in the Developing Cerebral Cortex. *Cell*, **2016**, 166, 1147-1162.e15	56.2	159
190	Mutations in Human Accelerated Regions Disrupt Cognition and Social Behavior. *Cell*, **2016**, 167, 341-354.e12	56.2	154
189	Somatic Mosaicism and Neurological Diseases **2016**, 179-199		3

188	Evolution of Osteocrin as an activity-regulated factor in the primate brain. *Nature*, **2016**, 539, 242-247	50.4	69
187	Microcephaly Proteins Wdr62 and Aspm Define a Mother Centriole Complex Regulating Centriole Biogenesis, Apical Complex, and Cell Fate. *Neuron*, **2016**, 92, 813-828	13.9	82
186	Resolving rates of mutation in the brain using single-neuron genomics. *ELife*, **2016**, 5,	8.9	109
185	A microRNA negative feedback loop downregulates vesicle transport and inhibits fear memory. *ELife*, **2016**, 5,	8.9	20
184	Disorders of Microtubule Function in Neurons: Imaging Correlates. *American Journal of Neuroradiology*, **2016**, 37, 528-35	4.4	43
183	Novel loss-of-function variants in DIAPH1 associated with syndromic microcephaly, blindness, and early onset seizures. *American Journal of Medical Genetics, Part A*, **2016**, 170A, 435-440	2.5	26
182	Mammalian target of rapamycin pathway mutations cause hemimegalencephaly and focal cortical dysplasia. *Annals of Neurology*, **2015**, 77, 720-5	9.4	183
181	Genetic changes shaping the human brain. *Developmental Cell*, **2015**, 32, 423-34	10.2	87
180	Control of a neuronal morphology program by an RNA-binding zinc finger protein, Unkempt. *Genes and Development*, **2015**, 29, 501-12	12.6	23
179	Loss of PCLO function underlies pontocerebellar hypoplasia type III. *Neurology*, **2015**, 84, 1745-50	6.5	33
178	Genomic variants and variations in malformations of cortical development. *Pediatric Clinics of North America*, **2015**, 62, 571-85	3.6	25
177	Insights into Autism Spectrum Disorder Genomic Architecture and Biology from 71 Risk Loci. *Neuron*, **2015**, 87, 1215-1233	13.9	806
176	Somatic mutation in single human neurons tracks developmental and transcriptional history. *Science*, **2015**, 350, 94-98	33.3	364
175	Targeted DNA Sequencing from Autism Spectrum Disorder Brains Implicates Multiple Genetic Mechanisms. *Neuron*, **2015**, 88, 910-917	13.9	100
174	A genome-wide association study of autism using the Simons Simplex Collection: Does reducing phenotypic heterogeneity in autism increase genetic homogeneity?. *Biological Psychiatry*, **2015**, 77, 775-84	7.9	113
173	A novel 2q37 microdeletion containing human neural progenitors genes including STK25 results in severe developmental delay, epilepsy, and microcephaly. *American Journal of Medical Genetics, Part A*, **2015**, 167A, 2808-16	2.5	6
172	Centriolar satellites assemble centrosomal microcephaly proteins to recruit CDK2 and promote centriole duplication. *ELife*, **2015**, 4,	8.9	85
171	Single-cell analysis reveals transcriptional heterogeneity of neural progenitors in human cortex. *Nature Neuroscience*, **2015**, 18, 637-46	25.5	195

170	Cell lineage analysis in human brain using endogenous retroelements. *Neuron*, **2015**, 85, 49-59	13.9	183
169	Mutations in QARS, encoding glutaminyl-tRNA synthetase, cause progressive microcephaly, cerebral-cerebellar atrophy, and intractable seizures. *American Journal of Human Genetics*, **2014**, 94, 547-58	11	87
168	Evolutionarily dynamic alternative splicing of GPR56 regulates regional cerebral cortical patterning. *Science*, **2014**, 343, 764-8	33.3	161
167	Synaptic, transcriptional and chromatin genes disrupted in autism. *Nature*, **2014**, 515, 209-15	50.4	1581
166	Modest impact on risk for autism spectrum disorder of rare copy number variants at 15q11.2, specifically breakpoints 1 to 2. *Autism Research*, **2014**, 7, 355-62	5.1	49
165	CC2D1A regulates human intellectual and social function as well as NF-B signaling homeostasis. *Cell Reports*, **2014**, 8, 647-55	10.6	45
164	Somatic mutations in cerebral cortical malformations. *New England Journal of Medicine*, **2014**, 371, 733-43	59.2	265
163	The diverse genetic landscape of neurodevelopmental disorders. *Annual Review of Genomics and Human Genetics*, **2014**, 15, 195-213	9.7	116
162	Single-cell, genome-wide sequencing identifies clonal somatic copy-number variation in the human brain. *Cell Reports*, **2014**, 8, 1280-9	10.6	198
161	METTL23, a transcriptional partner of GABPA, is essential for human cognition. *Human Molecular Genetics*, **2014**, 23, 3456-66	5.6	27
160	Somatic mutations in cerebral cortical malformations. *New England Journal of Medicine*, **2014**, 371, 2038	59.2	15
159	Katanin p80 regulates human cortical development by limiting centriole and cilia number. *Neuron*, **2014**, 84, 1240-57	13.9	63
158	Reply: To PMID 24243345. *Annals of Neurology*, **2014**, 75, 326	9.4	
157	POMK mutations disrupt muscle development leading to a spectrum of neuromuscular presentations. *Human Molecular Genetics*, **2014**, 23, 5781-92	5.6	51
156	Genetic Disorders of Cerebral Cortical Development **2013**, 1-26		
155	Peter Huttenlocher (1931-2013). *Nature*, **2013**, 502, 172	50.4	7
154	Somatic mutation, genomic variation, and neurological disease. *Science*, **2013**, 341, 1237758	33.3	390
153	Delineation of the clinical, molecular and cellular aspects of novel JAM3 mutations underlying the autosomal recessive hemorrhagic destruction of the brain, subependymal calcification, and congenital cataracts. *Human Mutation*, **2013**, 34, 498-505	4.7	19

152	Mutations in B3GALNT2 cause congenital muscular dystrophy and hypoglycosylation of □dystroglycan. *American Journal of Human Genetics*, **2013**, 92, 354-65	11	139
151	Using whole-exome sequencing to identify inherited causes of autism. *Neuron*, **2013**, 77, 259-73	13.9	297
150	Isolation of cerebrospinal fluid from rodent embryos for use with dissected cerebral cortical explants. *Journal of Visualized Experiments*, **2013**, e50333	1.6	9
149	SLC25A22 is a novel gene for migrating partial seizures in infancy. *Annals of Neurology*, **2013**, 74, 873-82	9.4	89
148	Genetic causes of microcephaly and lessons for neuronal development. *Wiley Interdisciplinary Reviews: Developmental Biology*, **2013**, 2, 461-78	5.9	157
147	G-protein coupled receptor 56 promotes myoblast fusion through serum response factor- and nuclear factor of activated T-cell-mediated signalling but is not essential for muscle development in vivo. *FEBS Journal*, **2013**, 280, 6097-113	5.7	31
146	New innovations: therapeutic opportunities for intellectual disabilities. *Annals of Neurology*, **2013**, 74, 382-90	9.4	20
145	Homozygous PLCB1 deletion associated with malignant migrating partial seizures in infancy. *Epilepsia*, **2012**, 53, e146-50	6.4	93
144	CHMP1A encodes an essential regulator of BMI1-INK4A in cerebellar development. *Nature Genetics*, **2012**, 44, 1260-4	36.3	68
143	Microcephaly gene links trithorax and REST/NRSF to control neural stem cell proliferation and differentiation. *Cell*, **2012**, 151, 1097-112	56.2	122
142	Molecular basis for specific regulation of neuronal kinesin-3 motors by doublecortin family proteins. *Molecular Cell*, **2012**, 47, 707-21	17.6	93
141	Somatic activation of AKT3 causes hemispheric developmental brain malformations. *Neuron*, **2012**, 74, 41-8	13.9	341
140	Single-neuron sequencing analysis of L1 retrotransposition and somatic mutation in the human brain. *Cell*, **2012**, 151, 483-96	56.2	404
139	Exome sequencing and functional validation in zebrafish identify GTDC2 mutations as a cause of Walker-Warburg syndrome. *American Journal of Human Genetics*, **2012**, 91, 541-7	11	144
138	Whole-exome sequencing and homozygosity analysis implicate depolarization-regulated neuronal genes in autism. *PLoS Genetics*, **2012**, 8, e1002635	6	134
137	Impact of PNKP mutations associated with microcephaly, seizures and developmental delay on enzyme activity and DNA strand break repair. *Nucleic Acids Research*, **2012**, 40, 6608-19	20.1	49
136	Neurogenesis at the brain-cerebrospinal fluid interface. *Annual Review of Cell and Developmental Biology*, **2011**, 27, 653-79	12.6	140
135	What disorders of cortical development tell us about the cortex: one plus one does not always make two. *Current Opinion in Genetics and Development*, **2011**, 21, 333-9	4.9	130

134	The cerebrospinal fluid provides a proliferative niche for neural progenitor cells. *Neuron*, **2011**, 69, 893-905	13.9	430
133	Multiple recurrent de novo CNVs, including duplications of the 7q11.23 Williams syndrome region, are strongly associated with autism. *Neuron*, **2011**, 70, 863-85	13.9	932
132	Human mutations in NDE1 cause extreme microcephaly with lissencephaly [corrected]. *American Journal of Human Genetics*, **2011**, 88, 536-47	11	165
131	Response to The Role of Cytomegalovirus in Schizencephaly by Spalice et al. **2011**, 155, 1769-1769		
130	Mutations in PNKP cause microcephaly, seizures and defects in DNA repair. *Nature Genetics*, **2010**, 42, 245-9	36.3	210
129	Mutations in WDR62, encoding a centrosome-associated protein, cause microcephaly with simplified gyri and abnormal cortical architecture. *Nature Genetics*, **2010**, 42, 1015-20	36.3	236
128	The exon junction complex component Magoh controls brain size by regulating neural stem cell division. *Nature Neuroscience*, **2010**, 13, 551-8	25.5	120
127	The apical complex couples cell fate and cell survival to cerebral cortical development. *Neuron*, **2010**, 66, 69-84	13.9	81
126	Cux1 and Cux2 regulate dendritic branching, spine morphology, and synapses of the upper layer neurons of the cortex. *Neuron*, **2010**, 66, 523-35	13.9	190
125	Allelic diversity in human developmental neurogenetics: insights into biology and disease. *Neuron*, **2010**, 68, 245-53	13.9	43
124	Clinical genetic testing for patients with autism spectrum disorders. *Pediatrics*, **2010**, 125, e727-35	7.4	281
123	Cdk5rap2 regulates centrosome function and chromosome segregation in neuronal progenitors. *Development (Cambridge)*, **2010**, 137, 1907-17	6.6	197
122	A homozygous mutation in the tight-junction protein JAM3 causes hemorrhagic destruction of the brain, subependymal calcification, and congenital cataracts. *American Journal of Human Genetics*, **2010**, 87, 882-9	11	71
121	Mutation in PQBP1 is associated with periventricular heterotopia. *American Journal of Medical Genetics, Part A*, **2010**, 152A, 2888-90	2.5	15
120	Deletions of NRXN1 (neurexin-1) predispose to a wide spectrum of developmental disorders. *American Journal of Medical Genetics Part B: Neuropsychiatric Genetics*, **2010**, 153B, 937-47	3.5	156
119	Developmental and degenerative features in a complicated spastic paraplegia. *Annals of Neurology*, **2010**, 67, 516-25	9.4	28
118	Rare genetic causes of lissencephaly may implicate microtubule-based transport in the pathogenesis of cortical dysplasias. *Epilepsia*, **2010**, 51, 67-67	6.4	3
117	Detecting natural selection by empirical comparison to random regions of the genome. *Human Molecular Genetics*, **2009**, 18, 4853-67	5.6	25

116	Disruption of neural progenitors along the ventricular and subventricular zones in periventricular heterotopia. *Human Molecular Genetics*, **2009**, 18, 497-516	5.6	143
115	Bilateral frontoparietal polymicrogyria, Lennox-Gastaut syndrome, and GPR56 gene mutations. *Epilepsia*, **2009**, 50, 1344-53	6.4	39
114	Transcription factor Lmo4 defines the shape of functional areas in developing cortices and regulates sensorimotor control. *Developmental Biology*, **2009**, 327, 132-42	3.1	29
113	Autism and brain development. *Cell*, **2008**, 135, 396-400	56.2	140
112	GPR56 regulates pial basement membrane integrity and cortical lamination. *Journal of Neuroscience*, **2008**, 28, 5817-26	6.6	175
111	Identification of neural outgrowth genes using genome-wide RNAi. *PLoS Genetics*, **2008**, 4, e1000111	6	77
110	Cux-2 controls the proliferation of neuronal intermediate precursors of the cortical subventricular zone. *Cerebral Cortex*, **2008**, 18, 1758-70	5.1	87
109	Lis1-Nde1-dependent neuronal fate control determines cerebral cortical size and lamination. *Human Molecular Genetics*, **2008**, 17, 2441-55	5.6	64
108	Ethnically diverse causes of Walker-Warburg syndrome (WWS): FCMD mutations are a more common cause of WWS outside of the Middle East. *Human Mutation*, **2008**, 29, E231-41	4.7	54
107	Consistent chromosome abnormalities identify novel polymicrogyria loci in 1p36.3, 2p16.1-p23.1, 4q21.21-q22.1, 6q26-q27, and 21q2. *American Journal of Medical Genetics, Part A*, **2008**, 146A, 1637-54	2.5	76
106	Identifying autism loci and genes by tracing recent shared ancestry. *Science*, **2008**, 321, 218-23	33.3	578
105	Association between microdeletion and microduplication at 16p11.2 and autism. *New England Journal of Medicine*, **2008**, 358, 667-75	59.2	1249
104	Microcephalies and DNA Repair **2008**, 109-120		
103	Reelin/Dab1 Signaling in the Developing Cerebral Cortex **2008**, 89-105		4
102	A comparative proteomic analysis of human and rat embryonic cerebrospinal fluid. *Journal of Proteome Research*, **2007**, 6, 3537-48	5.6	107
101	A 2-Mb critical region implicated in the microcephaly associated with terminal 1q deletion syndrome. *American Journal of Medical Genetics, Part A*, **2007**, 143A, 1692-8	2.5	53
100	A novel form of lethal microcephaly with simplified gyral pattern and brain stem hypoplasia. *American Journal of Medical Genetics, Part A*, **2007**, 143A, 2761-7	2.5	16
99	The role of RELN in lissencephaly and neuropsychiatric disease. *American Journal of Medical Genetics Part B: Neuropsychiatric Genetics*, **2007**, 144B, 58-63	3.5	48

98	Insights into the gyrification of developing ferret brain by magnetic resonance imaging. *Journal of Anatomy*, **2007**, 210, 66-77	2.9	75
97	Disease-associated mutations affect GPR56 protein trafficking and cell surface expression. *Human Molecular Genetics*, **2007**, 16, 1972-85	5.6	92
96	Both doublecortin and doublecortin-like kinase play a role in cortical interneuron migration. *Journal of Neuroscience*, **2007**, 27, 3875-83	6.6	121
95	Doublecortin is expressed in articular chondrocytes. *Biochemical and Biophysical Research Communications*, **2007**, 363, 694-700	3.4	18
94	Periventricular nodular heterotopia and Williams syndrome. *American Journal of Medical Genetics, Part A*, **2006**, 140, 1305-11	2.5	39
93	An autosomal recessive form of spastic cerebral palsy (CP) with microcephaly and mental retardation. *American Journal of Medical Genetics, Part A*, **2006**, 140, 1504-10	2.5	24
92	Impaired proliferation and migration in human Miller-Dieker neural precursors. *Annals of Neurology*, **2006**, 60, 137-44	9.4	34
91	Genomic and evolutionary analyses of asymmetrically expressed genes in human fetal left and right cerebral cortex. *Cerebral Cortex*, **2006**, 16 Suppl 1, i18-25	5.1	44
90	Impaired neuronal positioning and dendritogenesis in the neocortex after cell-autonomous Dab1 suppression. *Journal of Neuroscience*, **2006**, 26, 1767-75	6.6	107
89	Filamin A (FLNA) is required for cell-cell contact in vascular development and cardiac morphogenesis. *Proceedings of the National Academy of Sciences of the United States of America*, **2006**, 103, 19836-41	11.5	222
88	Brain evolution and uniqueness in the human genome. *Cell*, **2006**, 126, 1033-5	56.2	19
87	Genetic interactions between doublecortin and doublecortin-like kinase in neuronal migration and axon outgrowth. *Neuron*, **2006**, 49, 41-53	13.9	218
86	Molecular approaches to brain asymmetry and handedness. *Nature Reviews Neuroscience*, **2006**, 7, 655-62	23.5	250
85	Neocortical neuronal arrangement in Miller Dieker syndrome. *Acta Neuropathologica*, **2006**, 111, 489-96	14.3	17
84	Impaired Viability, Platelet Survival, Morphology and Function in Mice Lacking Filamin A.. *Blood*, **2006**, 108, 391-391	2.2	
83	The Genetic Basis of Human Cerebral Cortical Malformations **2006**, 1073-1079		1
82	Early asymmetry of gene transcription in embryonic human left and right cerebral cortex. *Science*, **2005**, 308, 1794-8	33.3	303
81	Periventricular heterotopia: new insights into Ehlers-Danlos syndrome. *Clinical Medicine and Research*, **2005**, 3, 229-33	1.4	33

80	A centrosomal mechanism involving CDK5RAP2 and CENPJ controls brain size. *Nature Genetics*, **2005**, 37, 353-5	36.3	447
79	Molecular insights into human brain evolution. *Nature*, **2005**, 437, 64-7	50.4	167
78	Genotype-phenotype analysis of human frontoparietal polymicrogyria syndromes. *Annals of Neurology*, **2005**, 58, 680-7	9.4	103
77	Targeted disruption of Tgif, the mouse ortholog of a human holoprosencephaly gene, does not result in holoprosencephaly in mice. *Molecular and Cellular Biology*, **2005**, 25, 3639-47	4.8	63
76	The microcephaly ASPM gene is expressed in proliferating tissues and encodes for a mitotic spindle protein. *Human Molecular Genetics*, **2005**, 14, 2155-65	5.6	143
75	Cytoplasmic LEK1 is a regulator of microtubule function through its interaction with the LIS1 pathway. *Proceedings of the National Academy of Sciences of the United States of America*, **2005**, 102, 8549-54	11.5	28
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1	The Genetics of Brain Malformations129-154	5