Huda Y Zoghbi

List of Publications by Year in Descending Order

349 papers	51,590 citations	111 h-index	223 g-index
409 ext. papers	57,110 ext. citations	15 avg, IF	7.49 L-index

#	Paper	IF	Citations
349	Stephen T. Warren, Ph.D. (1953-2021): A remembrance.. *American Journal of Human Genetics*, **2022**, 109, 3-11	11	0
348	C. Thomas Caskey (1938-2022).. *Science*, **2022**, 375, 824	33.3	0
347	A weakened recurrent circuit in the hippocampus of Rett syndrome mice disrupts long-term memory representations.. *Neuron*, **2022**,	13.9	1
346	Excessive Formation and Stabilization of Dendritic Spine Clusters in the -Duplication Syndrome Mouse Model of Autism. *ENeuro*, **2021**, 8,	3.9	3
345	Presymptomatic training mitigates functional deficits in a mouse model of Rett syndrome. *Nature*, **2021**, 592, 596-600	50.4	17
344	Antisense oligonucleotide therapy in a humanized mouse model of duplication syndrome. *Science Translational Medicine*, **2021**, 13,	17.5	6
343	Dual targeting of brain region-specific kinases potentiates neurological rescue in Spinocerebellar ataxia type 1. *EMBO Journal*, **2021**, 40, e106106	13	1
342	Repeat after Me(CP2)!. *Science*, **2021**, 372, 1390-1391	33.3	0
341	Parkinson's Disease Genetics and Pathophysiology. *Annual Review of Neuroscience*, **2021**, 44, 87-108	17	19
340	Modulation of ATXN1 S776 phosphorylation reveals the importance of allele-specific targeting in SCA1. *JCI Insight*, **2021**, 6,	9.9	2
339	Identification and characterization of conserved noncoding -regulatory elements that impact expression and neurological functions. *Genes and Development*, **2021**, 35, 489-494	12.6	1
338	Purkinje cells and their trees. *Lancet Neurology, The*, **2021**, 20, 706	24.1	
337	Maturation of Purkinje cell firing properties relies on neurogenesis of excitatory neurons. *ELife*, **2021**, 10,	8.9	7
336	Deleting from the cerebellum rather than its neuronal subtypes causes a delay in motor learning in mice. *ELife*, **2021**, 10,	8.9	2
335	Insufficient Evidence for "Autism-Specific" Genes. *American Journal of Human Genetics*, **2020**, 106, 587-595	11	52
334	Coexpression enrichment analysis at the single-cell level reveals convergent defects in neural progenitor cells and their cell-type transitions in neurodevelopmental disorders. *Genome Research*, **2020**, 30, 835-848	9.7	4
333	PolyA-miner: accurate assessment of differential alternative poly-adenylation from 3'Seq data using vector projections and non-negative matrix factorization. *Nucleic Acids Research*, **2020**, 48, e69	20.1	6

332	Combination of whole exome sequencing and animal modeling identifies TMPRSS9 as a candidate gene for autism spectrum disorder. *Human Molecular Genetics*, **2020**, 29, 459-470	5.6	25
331	Intellectual and Developmental Disabilities Research Centers: A Multidisciplinary Approach to Understand the Pathogenesis of Methyl-CpG Binding Protein 2-related Disorders. *Neuroscience*, **2020**, 445, 190-206	3.9	3
330	haploinsufficiency impairs inhibition and mediates key neurological features of encephalopathy. *ELife*, **2020**, 9,	8.9	17
329	Partial loss of CFIm25 causes learning deficits and aberrant neuronal alternative polyadenylation. *ELife*, **2020**, 9,	8.9	14
328	Losing Dnmt3a dependent methylation in inhibitory neurons impairs neural function by a mechanism impacting Rett syndrome. *ELife*, **2020**, 9,	8.9	19
327	Nr2f1 heterozygous knockout mice recapitulate neurological phenotypes of Bosch-Boonstra-Schaaf optic atrophy syndrome and show impaired hippocampal synaptic plasticity. *Human Molecular Genetics*, **2020**, 29, 705-715	5.6	5
326	Development of the brainstem respiratory circuit. *Wiley Interdisciplinary Reviews: Developmental Biology*, **2020**, 9, e366	5.9	2
325	Doublecortin-like Kinase 1 Regulates Synuclein Levels and Toxicity. *Journal of Neuroscience*, **2020**, 40, 459-477	6.6	7
324	MeCP2 Levels Regulate the 3D Structure of Heterochromatic Foci in Mouse Neurons. *Journal of Neuroscience*, **2020**, 40, 8746-8766	6.6	9
323	Loss of MeCP2 Function Across Several Neuronal Populations Impairs Breathing Response to Acute Hypoxia. *Frontiers in Neurology*, **2020**, 11, 593554	4.1	4
322	miR760 regulates ATXN1 levels via interaction with its 5Puntranslated region. *Genes and Development*, **2020**, 34, 1147-1160	12.6	12
321	Advances in understanding of Rett syndrome and MECP2 duplication syndrome: prospects for future therapies. *Lancet Neurology, The*, **2020**, 19, 689-698	24.1	35
320	An autism-linked missense mutation in SHANK3 reveals the modularity of Shank3 function. *Molecular Psychiatry*, **2020**, 25, 2534-2555	15.1	28
319	A kinome-wide RNAi screen identifies ERK2 as a druggable regulator of Shank3 stability. *Molecular Psychiatry*, **2020**, 25, 2504-2516	15.1	11
318	Molecular profiling predicts meningioma recurrence and reveals loss of DREAM complex repression in aggressive tumors. *Proceedings of the National Academy of Sciences of the United States of America*, **2019**, 116, 21715-21726	11.5	49
317	The distinct methylation landscape of maturing neurons and its role in Rett syndrome pathogenesis. *Current Opinion in Neurobiology*, **2019**, 59, 180-188	7.6	17
316	Intellectual and developmental disabilities research centers: Fifty years of scientific accomplishments. *Annals of Neurology*, **2019**, 86, 332-343	9.4	1
315	Beta-binomial modeling of CRISPR pooled screen data identifies target genes with greater sensitivity and fewer false negatives. *Genome Research*, **2019**, 29, 999-1008	9.7	17

314	Mouse models as a tool for discovering new neurological diseases. *Neurobiology of Learning and Memory*, **2019**, 165, 106902	3.1	8
313	Loss of Ataxin-1 Potentiates Alzheimer's Pathogenesis by Elevating Cerebral BACE1 Transcription. *Cell*, **2019**, 178, 1159-1175.e17	56.2	25
312	Deletion from Cholinergic Neurons Selectively Impairs Recognition Memory and Disrupts Cholinergic Modulation of the Perirhinal Cortex. *ENeuro*, **2019**, 6,	3.9	7
311	Neurexophilin4 is a selectively expressed α-neurexin ligand that modulates specific cerebellar synapses and motor functions. *ELife*, **2019**, 8,	8.9	5
310	Cross-species genetic screens to identify kinase targets for APP reduction in Alzheimer's disease. *Human Molecular Genetics*, **2019**, 28, 2014-2029	5.6	2
309	A Mild PUM1 Mutation Is Associated with Adult-Onset Ataxia, whereas Haploinsufficiency Causes Developmental Delay and Seizures. *Cell*, **2018**, 172, 924-936.e11	56.2	65
308	Motor neuron degeneration correlates with respiratory dysfunction in SCA1. *DMM Disease Models and Mechanisms*, **2018**, 11,	4.1	14
307	Otud7a Knockout Mice Recapitulate Many Neurological Features of 15q13.3 Microdeletion Syndrome. *American Journal of Human Genetics*, **2018**, 102, 296-308	11	37
306	Loss of Capicua alters early T cell development and predisposes mice to T cell lymphoblastic leukemia/lymphoma. *Proceedings of the National Academy of Sciences of the United States of America*, **2018**, 115, E1511-E1519	11.5	27
305	ATXN1-CIC Complex Is the Primary Driver of Cerebellar Pathology in Spinocerebellar Ataxia Type 1 through a Gain-of-Function Mechanism. *Neuron*, **2018**, 97, 1235-1243.e5	13.9	45
304	Apparent bias toward long gene misregulation in MeCP2 syndromes disappears after controlling for baseline variations. *Nature Communications*, **2018**, 9, 3225	17.4	23
303	PAK1 regulates ATXN1 levels providing an opportunity to modify its toxicity in spinocerebellar ataxia type 1. *Human Molecular Genetics*, **2018**, 27, 2863-2873	5.6	11
302	Antisense oligonucleotide-mediated ataxin-1 reduction prolongs survival in SCA1 mice and reveals disease-associated transcriptome profiles. *JCI Insight*, **2018**, 3,	9.9	54
301	Increased Axonal Bouton Stability during Learning in the Mouse Model of MECP2 Duplication Syndrome. *ENeuro*, **2018**, 5,	3.9	14
300	Impaired spatial memory codes in a mouse model of Rett syndrome. *ELife*, **2018**, 7,	8.9	11
299	Depleting Trim28 in adult mice is well tolerated and reduces levels of α-synuclein and tau. *ELife*, **2018**, 7,	8.9	24
298	Author response: Loss of Atoh1 from neurons regulating hypoxic and hypercapnic chemoresponses causes neonatal respiratory failure in mice **2018**,		2
297	A Druggable Genome Screen Identifies Modifiers of α-Synuclein Levels via a Tiered Cross-Species Validation Approach. *Journal of Neuroscience*, **2018**, 38, 9286-9301	6.6	21

296	RBM17 Interacts with U2SURP and CHERP to Regulate Expression and Splicing of RNA-Processing Proteins. *Cell Reports*, **2018**, 25, 726-736.e7	10.6	20
295	Genome-wide distribution of linker histone H1.0 is independent of MeCP2. *Nature Neuroscience*, **2018**, 21, 794-798	25.5	11
294	Reduction of protein kinase A-mediated phosphorylation of ATXN1-S776 in Purkinje cells delays onset of Ataxia in a SCA1 mouse model. *Neurobiology of Disease*, **2018**, 116, 93-105	7.5	16
293	Loss of from neurons regulating hypoxic and hypercapnic chemoresponses causes neonatal respiratory failure in mice. *ELife*, **2018**, 7,	8.9	18
292	Forniceal deep brain stimulation induces gene expression and splicing changes that promote neurogenesis and plasticity. *ELife*, **2018**, 7,	8.9	29
291	CRISPRcloud: a secure cloud-based pipeline for CRISPR pooled screen deconvolution. *Bioinformatics* , **2017**, 33, 2963-2965	7.2	19
290	Respiratory Network Stability and Modulatory Response to Substance P Require Nalcn. *Neuron*, **2017**, 94, 294-303.e4	13.9	35
289	Disruption of the ATXN1-CIC complex causes a spectrum of neurobehavioral phenotypes in mice and humans. *Nature Genetics*, **2017**, 49, 527-536	36.3	71
288	The Cerebellum and the Hereditary Ataxias **2017**, 689-700		2
287	An RNA interference screen identifies druggable regulators of MeCP2 stability. *Science Translational Medicine*, **2017**, 9,	17.5	20
286	An Atoh1-S193A Phospho-Mutant Allele Causes Hearing Deficits and Motor Impairment. *Journal of Neuroscience*, **2017**, 37, 8583-8594	6.6	18
285	Jak2-mediated phosphorylation of Atoh1 is critical for medulloblastoma growth. *ELife*, **2017**, 6,	8.9	13
284	Neurodegeneration: From cellular concepts to clinical applications. *Science Translational Medicine*, **2016**, 8, 364ps18	17.5	40
283	Lessons learned from studying syndromic autism spectrum disorders. *Nature Neuroscience*, **2016**, 19, 1408-1417	25.5	116
282	Post-translational Control of the Temporal Dynamics of Transcription Factor Activity Regulates Neurogenesis. *Cell*, **2016**, 164, 460-75	56.2	41
281	Epigenetics and Human Disease. *Cold Spring Harbor Perspectives in Biology*, **2016**, 8, a019497	10.2	111
280	Cerebellar Transcriptome Profiles of ATXN1 Transgenic Mice Reveal SCA1 Disease Progression and Protection Pathways. *Neuron*, **2016**, 89, 1194-1207	13.9	60
279	The Chromatin Modifier MSK1/2 Suppresses Endocrine Cell Fates during Mouse Pancreatic Development. *PLoS ONE*, **2016**, 11, e0166703	3.7	6

278	Manipulations of MeCP2 in glutamatergic neurons highlight their contributions to Rett and other neurological disorders. *ELife*, **2016**, 5,	8.9	65
277	TRIM28 regulates the nuclear accumulation and toxicity of both alpha-synuclein and tau. *ELife*, **2016**, 5,	8.9	54
276	Restoration of Mecp2 expression in GABAergic neurons is sufficient to rescue multiple disease features in a mouse model of Rett syndrome. *ELife*, **2016**, 5,	8.9	69
275	Extensive cryptic splicing upon loss of RBM17 and TDP43 in neurodegeneration models. *Human Molecular Genetics*, **2016**, 25, 5083-5093	5.6	50
274	Rett Syndrome and the Ongoing Legacy of Close Clinical Observation. *Cell*, **2016**, 167, 293-297	56.2	28
273	Reduction of Nuak1 Decreases Tau and Reverses Phenotypes in a Tauopathy Mouse Model. *Neuron*, **2016**, 92, 407-418	13.9	74
272	Loss and Gain of MeCP2 Cause Similar Hippocampal Circuit Dysfunction that Is Rescued by Deep Brain Stimulation in a Rett Syndrome Mouse Model. *Neuron*, **2016**, 91, 739-747	13.9	68
271	Pumilio1 haploinsufficiency leads to SCA1-like neurodegeneration by increasing wild-type Ataxin1 levels. *Cell*, **2015**, 160, 1087-98	56.2	100
270	Rett syndrome: disruption of epigenetic control of postnatal neurological functions. *Human Molecular Genetics*, **2015**, 24, R10-6	5.6	48
269	MeCP2 binds to non-CG methylated DNA as neurons mature, influencing transcription and the timing of onset for Rett syndrome. *Proceedings of the National Academy of Sciences of the United States of America*, **2015**, 112, 5509-14	11.5	190
268	Forniceal deep brain stimulation rescues hippocampal memory in Rett syndrome mice. *Nature*, **2015**, 526, 430-4	50.4	119
267	Reversal of phenotypes in MECP2 duplication mice using genetic rescue or antisense oligonucleotides. *Nature*, **2015**, 528, 123-6	50.4	113
266	Dominantly Inherited Spinocerebellar Syndromes **2015**, 1003-1032		
265	Deficiency of Capicua disrupts bile acid homeostasis. *Scientific Reports*, **2015**, 5, 8272	4.9	26
264	NUDT21-spanning CNVs lead to neuropsychiatric disease and altered MeCP2 abundance via alternative polyadenylation. *ELife*, **2015**, 4,	8.9	49
263	Deep brain stimulation for Parkinson disease: the 2014 Lasker-DeBakey Clinical Medical Research Award. *JAMA Neurology*, **2015**, 72, 259-60	17.2	1
262	Characterization of the transcriptome of nascent hair cells and identification of direct targets of the Atoh1 transcription factor. *Journal of Neuroscience*, **2015**, 35, 5870-83	6.6	88
261	Loss of MeCP2 in Parvalbumin-and Somatostatin-Expressing Neurons in Mice Leads to Distinct Rett Syndrome-like Phenotypes. *Neuron*, **2015**, 88, 651-8	13.9	103

260	Fragile X-like behaviors and abnormal cortical dendritic spines in cytoplasmic FMR1-interacting protein 2-mutant mice. *Human Molecular Genetics*, **2015**, 24, 1813-23	5.6	46
259	MECP2 disorders: from the clinic to mice and back. *Journal of Clinical Investigation*, **2015**, 125, 2914-23	15.9	143
258	A native interactor scaffolds and stabilizes toxic ATAXIN-1 oligomers in SCA1. *ELife*, **2015**, 4,	8.9	23
257	Ataxin-1 oligomers induce local spread of pathology and decreasing them by passive immunization slows Spinocerebellar ataxia type 1 phenotypes. *ELife*, **2015**, 4,	8.9	12
256	Brief report: MECP2 mutations in people without Rett syndrome. *Journal of Autism and Developmental Disorders*, **2014**, 44, 703-11	4.6	23
255	Mutations in NGLY1 cause an inherited disorder of the endoplasmic reticulum-associated degradation pathway. *Genetics in Medicine*, **2014**, 16, 751-8	8.1	138
254	NR2F1 mutations cause optic atrophy with intellectual disability. *American Journal of Human Genetics*, **2014**, 94, 303-9	11	74
253	From anatomy to electrophysiology: clinical Lasker goes deep. *Cell*, **2014**, 158, 1225-1229	56.2	2
252	Atoh1-dependent rhombic lip neurons are required for temporal delay between independent respiratory oscillators in embryonic mice. *ELife*, **2014**, 3, e02265	8.9	21
251	Rett-causing mutations reveal two domains critical for MeCP2 function and for toxicity in MECP2 duplication syndrome mice. *ELife*, **2014**, 3,	8.9	57
250	The Hereditary Ataxias **2013**, 1-32		1
249	Purkinje cell ataxin-1 modulates climbing fiber synaptic input in developing and adult mouse cerebellum. *Journal of Neuroscience*, **2013**, 33, 5806-20	6.6	37
248	SHANK3 overexpression causes manic-like behaviour with unique pharmacogenetic properties. *Nature*, **2013**, 503, 72-7	50.4	249
247	Human-specific regulation of MeCP2 levels in fetal brains by microRNA miR-483-5p. *Genes and Development*, **2013**, 27, 485-90	12.6	78
246	RAS-MAPK-MSK1 pathway modulates ataxin 1 protein levels and toxicity in SCA1. *Nature*, **2013**, 498, 325-331	50.4	101
245	Polyglutamine disease toxicity is regulated by Nemo-like kinase in spinocerebellar ataxia type 1. *Journal of Neuroscience*, **2013**, 33, 9328-36	6.6	19
244	Ataxin1L is a regulator of HSC function highlighting the utility of cross-tissue comparisons for gene discovery. *PLoS Genetics*, **2013**, 9, e1003359	6	3
243	Female Mecp2(+/-) mice display robust behavioral deficits on two different genetic backgrounds providing a framework for pre-clinical studies. *Human Molecular Genetics*, **2013**, 22, 96-109	5.6	117

242	Dendritic arborization and spine dynamics are abnormal in the mouse model of MECP2 duplication syndrome. *Journal of Neuroscience*, **2013**, 33, 19518-33	6.6	104
241	14-3-3 binding to Ataxin-1 (ATXN1) regulates its dephosphorylation at Ser-776 and transport to the nucleus.. *Journal of Biological Chemistry*, **2013**, 288, 6590	5.4	78
240	Structural basis of protein complex formation and reconfiguration by polyglutamine disease protein Ataxin-1 and Capicua. *Genes and Development*, **2013**, 27, 590-5	12.6	31
239	Pharmacometabolomic signature of ataxia SCA1 mouse model and lithium effects. *PLoS ONE*, **2013**, 8, e70610	3.7	11
238	Crh and Oprm1 mediate anxiety-related behavior and social approach in a mouse model of MECP2 duplication syndrome. *Nature Genetics*, **2012**, 44, 206-11	36.3	109
237	Atoh1 governs the migration of postmitotic neurons that shape respiratory effectiveness at birth and chemoresponsiveness in adulthood. *Neuron*, **2012**, 75, 799-809	13.9	37
236	Gcn5 loss-of-function accelerates cerebellar and retinal degeneration in a SCA7 mouse model. *Human Molecular Genetics*, **2012**, 21, 394-405	5.6	40
235	Synaptic dysfunction in neurodevelopmental disorders associated with autism and intellectual disabilities. *Cold Spring Harbor Perspectives in Biology*, **2012**, 4,	10.2	488
234	Overexpression of methyl-CpG binding protein 2 impairs T(H)1 responses. *Science Translational Medicine*, **2012**, 4, 163ra158	17.5	39
233	Childhood disorders of the synapse: challenges and opportunities. *Science Translational Medicine*, **2012**, 4, 152ps17	17.5	
232	Preclinical research in Rett syndrome: setting the foundation for translational success. *DMM Disease Models and Mechanisms*, **2012**, 5, 733-45	4.1	154
231	The Cerebellum and the Hereditary Ataxias **2012**, 939-964		1
230	Inverted genomic segments and complex triplication rearrangements are mediated by inverted repeats in the human genome. *Nature Genetics*, **2011**, 43, 1074-81	36.3	147
229	ATXN1 protein family and CIC regulate extracellular matrix remodeling and lung alveolarization. *Developmental Cell*, **2011**, 21, 746-57	10.2	73
228	Solving the autism puzzle a few pieces at a time. *Neuron*, **2011**, 70, 806-8	13.9	115
227	Exercise and genetic rescue of SCA1 via the transcriptional repressor Capicua. *Science*, **2011**, 334, 690-3	33.3	117
226	14-3-3 Binding to ataxin-1(ATXN1) regulates its dephosphorylation at Ser-776 and transport to the nucleus. *Journal of Biological Chemistry*, **2011**, 286, 34606-16	5.4	43
225	Protein interactome reveals converging molecular pathways among autism disorders. *Science Translational Medicine*, **2011**, 3, 86ra49	17.5	155

224	Regional rescue of spinocerebellar ataxia type 1 phenotypes by 14-3-3epsilon haploinsufficiency in mice underscores complex pathogenicity in neurodegeneration. *Proceedings of the National Academy of Sciences of the United States of America*, **2011**, 108, 2142-7	11.5	56
223	Oligogenic heterozygosity in individuals with high-functioning autism spectrum disorders. *Human Molecular Genetics*, **2011**, 20, 3366-75	5.6	118
222	Pontocerebellar hypoplasia: review of classification and genetics, and exclusion of several genes known to be important for cerebellar development. *Journal of Child Neurology*, **2011**, 26, 288-94	2.5	16
221	In vivo neuronal subtype-specific targets of Atoh1 (Math1) in dorsal spinal cord. *Journal of Neuroscience*, **2011**, 31, 10859-71	6.6	45
220	Partial loss of Tip60 slows mid-stage neurodegeneration in a spinocerebellar ataxia type 1 (SCA1) mouse model. *Human Molecular Genetics*, **2011**, 20, 2204-12	5.6	48
219	Comparison of an expanded ataxia interactome with patient medical records reveals a relationship between macular degeneration and ataxia. *Human Molecular Genetics*, **2011**, 20, 510-27	5.6	40
218	In vivo Atoh1 targetome reveals how a proneural transcription factor regulates cerebellar development. *Proceedings of the National Academy of Sciences of the United States of America*, **2011**, 108, 3288-93	11.5	120
217	Adult neural function requires MeCP2. *Science*, **2011**, 333, 186	33.3	195
216	Dysfunction in GABA signalling mediates autism-like stereotypies and Rett syndrome phenotypes. *Nature*, **2010**, 468, 263-9	50.4	849
215	Inactivation of hnRNP K by expanded intronic AUUCU repeat induces apoptosis via translocation of PKCdelta to mitochondria in spinocerebellar ataxia 10. *PLoS Genetics*, **2010**, 6, e1000984	6	91
214	Partial loss of ataxin-1 function contributes to transcriptional dysregulation in spinocerebellar ataxia type 1 pathogenesis. *PLoS Genetics*, **2010**, 6, e1001021	6	95
213	SCA1-like disease in mice expressing wild-type ataxin-1 with a serine to aspartic acid replacement at residue 776. *Neuron*, **2010**, 67, 929-35	13.9	120
212	Neurogenetics: advancing the "next-generation" of brain research. *Neuron*, **2010**, 68, 165-73	13.9	35
211	Medicine. The future of psychiatric research: genomes and neural circuits. *Science*, **2010**, 327, 1580-1	33.3	137
210	Complex rearrangements in patients with duplications of MECP2 can occur by fork stalling and template switching. *Human Molecular Genetics*, **2009**, 18, 2188-203	5.6	143
209	Pathogenic mechanisms of a polyglutamine-mediated neurodegenerative disease, spinocerebellar ataxia type 1. *Journal of Biological Chemistry*, **2009**, 284, 7425-9	5.4	165
208	The yin and yang of MeCP2 phosphorylation. *Proceedings of the National Academy of Sciences of the United States of America*, **2009**, 106, 4577-8	11.5	26
207	Deletion of Atoh1 disrupts Sonic Hedgehog signaling in the developing cerebellum and prevents medulloblastoma. *Science*, **2009**, 326, 1424-7	33.3	138

206	Atoh1-lineal neurons are required for hearing and for the survival of neurons in the spiral ganglion and brainstem accessory auditory nuclei. *Journal of Neuroscience*, **2009**, 29, 11123-33	6.6	97
205	Mouse models of MeCP2 disorders share gene expression changes in the cerebellum and hypothalamus. *Human Molecular Genetics*, **2009**, 18, 2431-42	5.6	185
204	Excitatory neurons of the proprioceptive, interoceptive, and arousal hindbrain networks share a developmental requirement for Math1. *Proceedings of the National Academy of Sciences of the United States of America*, **2009**, 106, 22462-7	11.5	96
203	Autism and other neuropsychiatric symptoms are prevalent in individuals with MeCP2 duplication syndrome. *Annals of Neurology*, **2009**, 66, 771-82	9.4	237
202	Phosphorylation of ATXN1 at Ser776 in the cerebellum. *Journal of Neurochemistry*, **2009**, 110, 675-86	6	47
201	Merkel cells are essential for light-touch responses. *Science*, **2009**, 324, 1580-2	33.3	205
200	Math1 is essential for the development of hindbrain neurons critical for perinatal breathing. *Neuron* , **2009**, 64, 341-54	13.9	132
199	Identification and subclassification of new Atoh1 derived cell populations during mouse spinal cord development. *Developmental Biology*, **2009**, 327, 339-51	3.1	24
198	Characterization of the zebrafish atxn1/axh gene family. *Journal of Neurogenetics*, **2009**, 23, 313-23	1.6	15
197	Loss of MeCP2 in aminergic neurons causes cell-autonomous defects in neurotransmitter synthesis and specific behavioral abnormalities. *Proceedings of the National Academy of Sciences of the United States of America*, **2009**, 106, 21966-71	11.5	198
196	Opposing effects of polyglutamine expansion on native protein complexes contribute to SCA1. *Nature*, **2008**, 452, 713-8	50.4	250
195	Failure of neuronal homeostasis results in common neuropsychiatric phenotypes. *Nature*, **2008**, 455, 912-8	50.4	301
194	miR-19, miR-101 and miR-130 co-regulate ATXN1 levels to potentially modulate SCA1 pathogenesis. *Nature Neuroscience*, **2008**, 11, 1137-9	25.5	182
193	Deletion of Mecp2 in Sim1-expressing neurons reveals a critical role for MeCP2 in feeding behavior, aggression, and the response to stress. *Neuron*, **2008**, 59, 947-58	13.9	202
192	MeCP2, a key contributor to neurological disease, activates and represses transcription. *Science*, **2008**, 320, 1224-9	33.3	1360
191	Spinocerebellar ataxia type 6 knockin mice develop a progressive neuronal dysfunction with age-dependent accumulation of mutant CaV2.1 channels. *Proceedings of the National Academy of Sciences of the United States of America*, **2008**, 105, 11987-92	11.5	130
190	Genetic modifiers of MeCP2 function in Drosophila. *PLoS Genetics*, **2008**, 4, e1000179	6	57
189	A partial loss of function allele of methyl-CpG-binding protein 2 predicts a human neurodevelopmental syndrome. *Human Molecular Genetics*, **2008**, 17, 1718-27	5.6	157

188	The insulin-like growth factor pathway is altered in spinocerebellar ataxia type 1 and type 7. *Proceedings of the National Academy of Sciences of the United States of America*, **2008**, 105, 1291-6	11.5	74
187	The E-protein Tcf4 interacts with Math1 to regulate differentiation of a specific subset of neuronal progenitors. *Proceedings of the National Academy of Sciences of the United States of America*, **2007**, 104, 15382-7	11.5	153
186	Intestine-specific ablation of mouse atonal homolog 1 (Math1) reveals a role in cellular homeostasis. *Gastroenterology*, **2007**, 132, 2478-88	13.3	225
185	Trinucleotide repeat disorders. *Annual Review of Neuroscience*, **2007**, 30, 575-621	17	1120
184	Duplication of Atxn1l suppresses SCA1 neuropathology by decreasing incorporation of polyglutamine-expanded ataxin-1 into native complexes. *Nature Genetics*, **2007**, 39, 373-9	36.3	64
183	The role of LANP and ataxin 1 in E4F-mediated transcriptional repression. *EMBO Reports*, **2007**, 8, 671-7	6.5	40
182	Hsp70/Hsc70 regulates the effect phosphorylation has on stabilizing ataxin-1. *Journal of Neurochemistry*, **2007**, 102, 2040-2048	6	11
181	Lithium therapy improves neurological function and hippocampal dendritic arborization in a spinocerebellar ataxia type 1 mouse model. *PLoS Medicine*, **2007**, 4, e182	11.6	129
180	Cell-specific expression of wild-type MeCP2 in mouse models of Rett syndrome yields insight about pathogenesis. *Human Molecular Genetics*, **2007**, 16, 2315-25	5.6	60
179	dAtaxin-2 mediates expanded Ataxin-1-induced neurodegeneration in a Drosophila model of SCA1. *PLoS Genetics*, **2007**, 3, e234	6	74
178	MeCP2 controls excitatory synaptic strength by regulating glutamatergic synapse number. *Neuron*, **2007**, 56, 58-65	13.9	373
177	The story of Rett syndrome: from clinic to neurobiology. *Neuron*, **2007**, 56, 422-37	13.9	936
176	CHIP protects from the neurotoxicity of expanded and wild-type ataxin-1 and promotes their ubiquitination and degradation. *Journal of Biological Chemistry*, **2006**, 281, 26714-24	5.4	156
175	Glutamine-expanded ataxin-7 alters TFTC/STAGA recruitment and chromatin structure leading to photoreceptor dysfunction. *PLoS Biology*, **2006**, 4, e67	9.7	125
174	Increased MECP2 gene copy number as the result of genomic duplication in neurodevelopmentally delayed males. *Genetics in Medicine*, **2006**, 8, 784-92	8.1	225
173	Enhanced anxiety and stress-induced corticosterone release are associated with increased Crh expression in a mouse model of Rett syndrome. *Proceedings of the National Academy of Sciences of the United States of America*, **2006**, 103, 18267-72	11.5	192
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3	Loss of Dnmt3a dependent methylation in inhibitory neurons impairs neural function through a mechanism that impacts Rett syndrome		1
2	SAVE: A secure cloud-based pipeline for CRISPR pooled screen deconvolution		1
1	Deleting Mecp2 from the entire cerebellum rather than its neuronal subtypes causes a delay in motor learning in mice		1