X William Yang

List of Publications by Year
in descending order

71 papers	7,925 citations	71102 41 h-index	91884 69 g-index
77 all docs	77 docs citations	77 times ranked	10766 citing authors

#	Article	IF	Citations
1	Full-Length Human Mutant Huntingtin with a Stable Polyglutamine Repeat Can Elicit Progressive and Selective Neuropathogenesis in BACHD Mice. Journal of Neuroscience, 2008, 28, 6182-6195.	3.6	558
2	The mouse cortico-striatal projectome. Nature Neuroscience, 2016, 19, 1100-1114.	14.8	412
3	FACS-array profiling of striatal projection neuron subtypes in juvenile and adult mouse brains. Nature Neuroscience, 2006, 9, 443-452.	14.8	396
4	Integrated genomics and proteomics define huntingtin CAG lengthâ€“dependent networks in mice. Nature Neuroscience, 2016, 19, 623-633.	14.8	342
5	A multimodal cell census and atlas of the mammalian primary motor cortex. Nature, 2021, 598, 86-102.	27.8	316
6	Exogenous and evoked oxytocin restores social behavior in the Cntnap2 mouse model of autism. Science Translational Medicine, 2015, 7, 271ra8.	12.4	308
7	Serines 13 and 16 Are Critical Determinants of Full-Length Human Mutant Huntingtin Induced Disease Pathogenesis in HD Mice. Neuron, 2009, 64, 828-840.	8.1	288
8	Systematic behavioral evaluation of Huntington's disease transgenic and knock-in mouse models. Neurobiology of Disease, 2009, 35, 319-336.	4.4	281
9	Network Organization of the Huntingtin Proteomic Interactome in Mammalian Brain. Neuron, 2012, 75, 41-57.	8.1	262
10	Elevated TREM2 Gene Dosage Reprograms Microglia Responsivity and Ameliorates Pathological Phenotypes in Alzheimerâ€™s Disease Models. Neuron, 2018, 97, 1032-1048.e5.	8.1	246
11	Assembly and Function of Heterotypic Ubiquitin Chains in Cell-Cycle and Protein Quality Control. Cell, 2017, 171, 918-933.e20.	28.9	245
12	Pathological Cell-Cell Interactions Elicited by a Neuropathogenic Form of Mutant Huntingtin Contribute to Cortical Pathogenesis in HD Mice. Neuron, 2005, 46, 433-444.	8.1	222
13	Conditions and Constraints for Astrocyte Calcium Signaling in the Hippocampal Mossy Fiber Pathway. Neuron, 2014, 82, 413-429.	8.1	206
14	Huntington's disease accelerates epigenetic aging of human brain and disrupts DNA methylation levels. Aging, 2016, 8, 1485-1512.	3.1	192
15	Striatal neurons directly converted from Huntingtonâ€™s disease patient fibroblasts recapitulate age-associated disease phenotypes. Nature Neuroscience, 2018, 21, 341-352.	14.8	186
16	Morphological diversity of single neurons in molecularly defined cell types. Nature, 2021, 598, 174-181.	27.8	180
17	Identifying polyglutamine protein species in situ that best predict neurodegeneration. Nature Chemical Biology, 2011, 7, 925-934.	8.0	178
18	Neuronal targets for reducing mutant huntingtin expression to ameliorate disease in a mouse model of Huntington's disease. Nature Medicine, 2014, 20, 536-541.	30.7	177

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19	DNA hypomethylation restricted to the murine forebrain induces cortical degeneration and impairs postnatal neuronal maturation. Human Molecular Genetics, 2009, 18, 2875-2888.	2.9	169
20	Bacterial Artificial Chromosome Transgenic Mice Expressing a Truncated Mutant Parkin Exhibit Age-Dependent Hypokinetic Motor Deficits, Dopaminergic Neuron Degeneration, and Accumulation of Proteinase K-Resistant Î±-Synuclein. Journal of Neuroscience, 2009, 29, 1962-1976.	3.6	168
21	Deletion of Astroglial Dicer Causes Non-Cell-Autonomous Neuronal Dysfunction and Degeneration. Journal of Neuroscience, 2011, 31, 8306-8319.	3.6	154
22	An Antisense CAG Repeat Transcript at JPH3 Locus Mediates Expanded Polyglutamine Protein Toxicity in Huntington's Disease-like 2 Mice. Neuron, 2011, 70, 427-440.	8.1	127
23	The mouse corticoâ€“basal gangliaâ€“thalamic network. Nature, 2021, 598, 188-194.	27.8	126
24	Differential Electrophysiological Changes in Striatal Output Neurons in Huntington's Disease. Journal of Neuroscience, 2011, 31, 1170-1182.	3.6	125
25	Targeted expression of Î¼-opioid receptors in a subset of striatal direct-pathway neurons restores opiate reward. Nature Neuroscience, 2014, 17, 254-261.	14.8	118
26	Cellular anatomy of the mouse primary motor cortex. Nature, 2021, 598, 159-166.	27.8	117
27	Targeting ATM ameliorates mutant Huntingtin toxicity in cell and animal models of Huntingtonâ€™s disease. Science Translational Medicine, 2014, 6, 268ra178.	12.4	103
28	Full-length huntingtin levels modulate body weight by influencing insulin-like growth factor 1 expression. Human Molecular Genetics, 2010, 19, 1528-1538.	2.9	100
29	Cleavage at the 586 Amino Acid Caspase-6 Site in Mutant huntingtin Influences Caspase-6 ActivationIn Vivo. Journal of Neuroscience, 2010, 30, 15019-15029.	3.6	94
30	A fully humanized transgenic mouse model of Huntington disease. Human Molecular Genetics, 2013, 22, 18-34.	2.9	93
31	A Novel BACHD Transgenic Rat Exhibits Characteristic Neuropathological Features of Huntington Disease. Journal of Neuroscience, 2012, 32, 15426-15438.	3.6	89
32	Dopamine modulation of excitatory currents in the striatum is dictated by the expression of D1 or D2 receptors and modified by endocannabinoids. European Journal of Neuroscience, 2010, 31, 14-28.	2.6	87
33	Genetic control of instrumental conditioning by striatopallidal neuronâ€“specific S1P receptor Gpr6. Nature Neuroscience, 2007, 10, 1395-1397.	14.8	80
34	Pivotal role of early Bâ€cell factor 1 in development of striatonigral medium spiny neurons in the matrix compartment. Journal of Neuroscience Research, 2008, 86, 2134-2146.	2.9	75
35	N17 Modifies Mutant Huntingtin Nuclear Pathogenesis and Severity of Disease in HD BAC Transgenic Mice. Neuron, 2015, 85, 726-741.	8.1	66
36	Cortical Efferents Lacking Mutant huntingtin Improve Striatal Neuronal Activity and Behavior in a Conditional Mouse Model of Huntington's Disease. Journal of Neuroscience, 2015, 35, 4440-4451.	3.6	58

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37	Genetic manipulations of mutant huntingtin in mice: new insights into Huntington's disease pathogenesis. FEBS Journal, 2013, 280, 4382-4394.	4.7	53
38	â€œHuntingtin Holidayâ€• Progress toward an Antisense Therapy for Huntington's Disease. Neuron, 2012, 74, 964-966.	8.1	52
39	An Overview on the Generation of BAC Transgenic Mice for Neuroscience Research. Current Protocols in Neuroscience, 2005, 31, Unit 5.20.	2.6	48
40	P2X4 Receptor Reporter Mice: Sparse Brain Expression and Feeding-Related Presynaptic Facilitation in the Arcuate Nucleus. Journal of Neuroscience, 2016, 36, 8902-8920.	3.6	47
41	Caspase-6 Activity in a BACHD Mouse Modulates Steady-State Levels of Mutant Huntingtin Protein But Is Not Necessary for Production of a 586 Amino Acid Proteolytic Fragment. Journal of Neuroscience, 2012, 32, 7454-7465.	3.6	46
42	DNA methylation study of Huntingtonâ€™s disease and motor progression in patients and in animal models. Nature Communications, 2020, 11, 4529.	12.8	45
43	Castration delays epigenetic aging and feminizes DNA methylation at androgen-regulated loci. ELife, 2021, 10, .	6.0	45
44	The N17 domain mitigates nuclear toxicity in a novel zebrafish Huntingtonâ€™s disease model. Molecular Neurodegeneration, 2015, 10, 67.	10.8	44
45	Serine 421 regulates mutant huntingtin toxicity and clearance in mice. Journal of Clinical Investigation, 2016, 126, 3585-3597.	8.2	44
46	Molecular insights into cortico-striatal miscommunications in Huntington's disease. Current Opinion in Neurobiology, 2018, 48, 79-89.	4.2	43
47	MicroRNA signatures of endogenous Huntingtin CAG repeat expansion in mice. PLoS ONE, 2018, 13, e0190550.	2.5	39
48	A novel humanized mouse model of Huntington disease for preclinical development of therapeutics targeting mutant huntingtin alleles. Human Molecular Genetics, 2017, 26, ddx021.	2.9	37
49	Brainwide Genetic Sparse Cell Labeling to Illuminate the Morphology of Neurons and Glia with Cre-Dependent MORF Mice. Neuron, 2020, 108, 111-127.e6.	8.1	37
50	Enhanced mitochondrial biogenesis ameliorates disease phenotype in a full-length mouse model of Huntingtonâ€™s disease. Human Molecular Genetics, 2016, 25, 2269-2282.	2.9	35
51	Molecular and cellular basis of obsessiveâ€“compulsive disorder-like behaviors: emerging view from mouse models. Current Opinion in Neurology, 2011, 24, 114-118.	3.6	32
52	Uninterrupted CAG repeat drives striatum-selective transcriptionopathy and nuclear pathogenesis in human Huntingtin BAC mice. Neuron, 2022, 110, 1173-1192.e7.	8.1	30
53	Precise segmentation of densely interweaving neuron clusters using G-Cut. Nature Communications, 2019, 10, 1549.	12.8	28
54	PIAS1 modulates striatal transcription, DNA damage repair, and SUMOylation with relevance to Huntingtonâ€™s disease. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, .	7.1	28

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55	Dangerous duet: LRRK2 and Î±-synuclein jam at CMA. Nature Neuroscience, 2013, 16, 375-377.	14.8	23
56	Genetically-directed Sparse Neuronal Labeling in BAC Transgenic Mice through Mononucleotide Repeat Frameshift. Scientific Reports, 2017, 7, 43915.	3.3	23
57	Huntingtonâ€™s Disease: Nuclear Gatekeepers Under Attack. Neuron, 2017, 94, 1-4.	8.1	20
58	Flipping a switch on huntingtin. Nature Chemical Biology, 2011, 7, 412-414.	8.0	18
59	Clinical and Genetic Profiles in Chinese Patients with Huntingtonâ€™s Disease: A Ten-year Multicenter Study in China. , 2019, 10, 1003.		16
60	Dosage sensitivity intolerance of VIPR2 microduplication is disease causative to manifest schizophrenia-like phenotypes in a novel BAC transgenic mouse model. Molecular Psychiatry, 2019, 24, 1884-1901.	7.9	14
61	Huntington Diseaseâ€™s Glial Progenitor Cells Hit the Pause Button in the Mouse Brain. Cell Stem Cell, 2019, 24, 3-4.	11.1	14
62	CPEB alteration and aberrant transcriptome-polyadenylation lead to a treatable SLC19A3 deficiency in Huntingtonâ€™s disease. Science Translational Medicine, 2021, 13, eabe7104.	12.4	14
63	Disease-related Huntingtin seeding activities in cerebrospinal fluids of Huntingtonâ€™s disease patients. Scientific Reports, 2020, 10, 20295.	3.3	10
64	An Independent Study of the Preclinical Efficacy of C2-8 in the R6/2 Transgenic Mouse Model of Huntington's Disease. Journal of Huntington's Disease, 2013, 2, 443-451.	1.9	9
65	Life and death rest on a bivalent chromatin state. Nature Neuroscience, 2016, 19, 1271-1273.	14.8	4
66	CLEARance wars: PolyQ strikes back. Nature Neuroscience, 2014, 17, 1140-1142.	14.8	3
67	Probing the stress and depression circuits with a disease gene. ELife, 2015, 4, .	6.0	3
68	Huntington's Disease: Genome-wide Neuroprotection Screening Goes Viral. Neuron, 2020, 106, 4-6.	8.1	1
69	Group dynamics goes awry: PolyQ-expanded huntingtin gains unwanted partners. Cell Systems, 2022, 13, 268-270.	6.2	1
70	Cellular and molecular mechanisms implicated in pathogenesis of selective neurodegeneration in Huntingtonâ€™s disease. Frontiers in Biology, 2012, 7, 459-476.	0.7	0
71	I03â€…CPEB alteration and aberrant transcriptome-polyadenylation unveil a treatable vitamin B1 deficiency in huntingtonâ€™s disease. , 2021, , .		0