Jong-Min Lee

List of Publications by Year
in descending order

46 papers	3,239 citations	293460 24 h-index	286692 43 g-index
51 all docs	51 docs citations	51 times ranked	4528 citing authors

#	Article	IF	Citations
1	Identification of Genetic Factors that Modify Clinical Onset of Huntingtonâ€™s Disease. Cell, 2015, 162, 516-526.	13.5	514
2	Nrf2, a multiâ€organ protector?. FASEB Journal, 2005, 19, 1061-1066.	0.2	468
3	CAG Repeat Not Polyglutamine Length Determines Timing of Huntingtonâ€™s Disease Onset. Cell, 2019, 178, 887-900.e14.	13.5	301
4	HD CAG repeat implicates a dominant property of huntingtin in mitochondrial energy metabolism. Human Molecular Genetics, 2005, 14, 2871-2880.	1.4	274
5	Permanent inactivation of Huntington's disease mutation by personalized allele-specific CRISPR/Cas9. Human Molecular Genetics, 2016, 25, ddw286.	1.4	195
6	The HTT CAG-Expansion Mutation Determines Age at Death but Not Disease Duration in Huntington Disease. American Journal of Human Genetics, 2016, 98, 287-298.	2.6	129
7	Genetic modifiers of Huntington's disease. Movement Disorders, 2014, 29, 1359-1365.	2.2	116
8	A novel approach to investigate tissue-specific trinucleotide repeat instability. BMC Systems Biology, 2010, 4, 29.	3.0	102
9	A modifier of Huntington's disease onset at the MLH1 locus. Human Molecular Genetics, 2017, 26, 3859-3867.	1.4	88
10	Clinical effect of white matter network disruption related to amyloid and small vessel disease. Neurology, 2015, 85, 63-70.	1.5	79
11	Unbiased Gene Expression Analysis Implicates the huntingtin Polyglutamine Tract in Extra-mitochondrial Energy Metabolism. PLoS Genetics, 2007, 3, e135.	1.5	72
12	Msh2 Acts in Medium-Spiny Striatal Neurons as an Enhancer of CAG Instability and Mutant Huntingtin Phenotypes in Huntingtonâ€™s Disease Knock-In Mice. PLoS ONE, 2012, 7, e44273.	1.1	72
13	Quantification of Age-Dependent Somatic CAG Repeat Instability in Hdh CAG Knock-In Mice Reveals Different Expansion Dynamics in Striatum and Liver. PLoS ONE, 2011, 6, e23647.	1.1	62
14	Common SNP-Based Haplotype Analysis of the 4p16.3 Huntington Disease Gene Region. American Journal of Human Genetics, 2012, 90, 434-444.	2.6	60
15	Timing and Impact of Psychiatric, Cognitive, and Motor Abnormalities in Huntington Disease. Neurology, 2021, 96, e2395-e2406.	1.5	53
16	Huntingtinâ€™s spherical solenoid structure enables polyglutamine tract-dependent modulation of its structure and function. ELife, 2016, 5, e11184.	2.8	52
17	Huntingtonâ€™s Disease Pathogenesis: Two Sequential Components. Journal of Huntington's Disease, 2021, 10, 35-51.	0.9	49
18	Promotion of somatic CAG repeat expansion by Fan1 knock-out in Huntingtonâ€™s disease knock-in mice is blocked by Mlh1 knock-out. Human Molecular Genetics, 2020, 29, 3044-3053.	1.4	48

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19	Genetic and Functional Analyses Point to FAN1 as the Source of Multiple Huntington Disease Modifier Effects. American Journal of Human Genetics, 2020, 107, 96-110.	2.6	45
20	High resolution time-course mapping of early transcriptomic, molecular and cellular phenotypes in Huntingtonâ€™s disease CAG knock-in mice across multiple genetic backgrounds. Human Molecular Genetics, 2017, 26, 913-922.	1.4	37
21	Exome sequencing of individuals with Huntingtonâ€™s disease implicates FAN1 nuclease activity in slowing CAG expansion and disease onset. Nature Neuroscience, 2022, 25, 446-457.	7.1	31
22	The Genetic Modifiers of Motor OnsetAgeÂ(GeM MOA) Website: Genome-wide Association Analysis for Genetic Modifiers of Huntingtonâ€™s Disease. Journal of Huntington's Disease, 2015, 4, 279-284.	0.9	30
23	Genetic Modification of Huntington Disease Acts Early in the Prediagnosis Phase. American Journal of Human Genetics, 2018, 103, 349-357.	2.6	30
24	Genetic Risk Underlying Psychiatric and Cognitive Symptoms in Huntingtonâ€™s Disease. Biological Psychiatry, 2020, 87, 857-865.	0.7	29
25	Genetic modifiers of Huntington disease differentially influence motor and cognitive domains. American Journal of Human Genetics, 2022, 109, 885-899.	2.6	29
26	Dominant effects of the Huntington's disease HTT CAG repeat length are captured in gene-expression data sets by a continuous analysis mathematical modeling strategy. Human Molecular Genetics, 2013, 22, 3227-3238.	1.4	27
27	HttQ111/+ Huntingtonâ€™s Disease Knock-in Mice Exhibit Brain Region-Specific Morphological Changes and Synaptic Dysfunction. Journal of Huntington's Disease, 2018, 7, 17-33.	0.9	27
28	Population-specific genetic modification of Huntington's disease in Venezuela. PLoS Genetics, 2018, 14, e1007274.	1.5	27
29	Haplotype-based stratification of Huntington's disease. European Journal of Human Genetics, 2017, 25, 1202-1209.	1.4	24
30	Mutations causing Lopes-Maciel-Rodan syndrome are huntingtin hypomorphs. Human Molecular Genetics, 2021, 30, 135-148.	1.4	24
31	Sequence-Level Analysis of the Major European Huntington Disease Haplotype. American Journal of Human Genetics, 2015, 97, 435-444.	2.6	22
32	Genetic Contributors to Intergenerational CAG Repeat Instability in Huntingtonâ€™s Disease Knock-In Mice. Genetics, 2017, 205, 503-516.	1.2	17
33	Novel DNA Aptamers that Bind to Mutant Huntingtin and Modify Its Activity. Molecular Therapy - Nucleic Acids, 2018, 11, 416-428.	2.3	16
34	The prospects of CRISPR-based genome engineering in the treatment of neurodegenerative disorders. Therapeutic Advances in Neurological Disorders, 2018, 11, 175628561774183.	1.5	15
35	Huntingtonâ€™s disease: nearly four decades of human molecular genetics. Human Molecular Genetics, 2021, 30, R254-R263.	1.4	15
36	Novel allele-specific quantification methods reveal no effects of adult onset CAG repeats on HTT mRNA and protein levels. Human Molecular Genetics, 2017, 26, 1258-1267.	1.4	14

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37	Full sequence of mutant huntingtin 3â€²-untranslated region and modulation of its gene regulatory activity by endogenous microRNA. Journal of Human Genetics, 2019, 64, 995-1004.	1.1	8
38	Prevalence of Huntington's disease gene CAG trinucleotide repeat alleles in patients with bipolar disorder. Bipolar Disorders, 2015, 17, 403-408.	1.1	6
39	Haplotype analysis of the 4p16.3 region in Portuguese families with Huntington's disease. American Journal of Medical Genetics Part B: Neuropsychiatric Genetics, 2015, 168, 135-143.	1.1	6
40	Association Analysis of Chromosome X to Identify Genetic Modifiers of Huntingtonâ€™s Disease. Journal of Huntington's Disease, 2021, 10, 367-375.	0.9	5
41	Haplotype-specific insertion-deletion variations for allele-specific targeting in Huntington's disease. Molecular Therapy - Methods and Clinical Development, 2022, 25, 84-95.	1.8	5
42	HD CAGnome: A Search Tool for Huntingtin CAG Repeat Length-Correlated Genes. PLoS ONE, 2014, 9, e95556.	1.1	3
43	Inherited HTT CAG repeat length does not have a major impact on Huntington disease duration. American Journal of Human Genetics, 2022, 109, 1338-1340.	2.6	3
44	C10â€…Shared genetic liability between neuropsychiatric disorders and psychiatric symptoms in hd. , 2018, , .		0
45	C04â€…Protein coding tandem repeat in TCERG1 modifies huntingtonâ€™s disease onset. , 2021, , .		0
46	Unbiased gene expression analysis implicates the huntingtin polyglutamine tract in extra-mitochondrial energy metabolism. PLoS Genetics, 2005, preprint, e135.	1.5	0