

Genetic and Functional Analyses Point to FAN1 as the SC Disease Modifier Effects

American Journal of Human Genetics

107, 96-110

DOI: [10.1016/j.ajhg.2020.05.012](https://doi.org/10.1016/j.ajhg.2020.05.012)

Citation Report

#	ARTICLE	IF	CITATIONS
1	Interrupting sequence variants and age of onset in Huntington's disease: clinical implications and emerging therapies. <i>Lancet Neurology</i> , The, 2020, 19, 930-939.	10.2	43
2	Structure-forming repeats and their impact on genome stability. <i>Current Opinion in Genetics and Development</i> , 2021, 67, 41-51.	3.3	34
3	Huntingtonâ€™s Disease Pathogenesis: Two Sequential Components. <i>Journal of Huntington's Disease</i> , 2021, 10, 35-51.	1.9	49
4	DNA Mismatch Repair and its Role in Huntingtonâ€™s Disease. <i>Journal of Huntington's Disease</i> , 2021, 10, 75-94.	1.9	47
5	FAN1, a DNA Repair Nuclease, as a Modifier of Repeat Expansion Disorders. <i>Journal of Huntington's Disease</i> , 2021, 10, 95-122.	1.9	34
6	Modifiers of Somatic Repeat Instability in Mouse Models of Friedreich Ataxia and the Fragile X-Related Disorders: Implications for the Mechanism of Somatic Expansion in Huntingtonâ€™s Disease. <i>Journal of Huntington's Disease</i> , 2021, 10, 149-163.	1.9	15
7	Modifiers of CAG/CTG Repeat Instability: Insights from Mammalian Models. <i>Journal of Huntington's Disease</i> , 2021, 10, 123-148.	1.9	46
8	What is the Pathogenic CAG Expansion Length in Huntingtonâ€™s Disease?. <i>Journal of Huntington's Disease</i> , 2021, 10, 175-202.	1.9	31
11	Propensity for somatic expansion increases over the course of life in Huntington disease. <i>ELife</i> , 2021, 10, .	6.0	42
12	Association Analysis of Chromosome X to Identify Genetic Modifiers of Huntingtonâ€™s Disease. <i>Journal of Huntington's Disease</i> , 2021, 10, 367-375.	1.9	5
13	Huntingtonâ€™s disease: nearly four decades of human molecular genetics. <i>Human Molecular Genetics</i> , 2021, 30, R254-R263.	2.9	15
14	FAN1-MLH1 interaction affects repair of DNA interstrand cross-links and slipped-CAG/CTG repeats. <i>Science Advances</i> , 2021, 7, .	10.3	17
15	FAN1 controls mismatch repair complex assembly via MLH1 retention to stabilize CAG repeat expansion in Huntingtonâ€™s disease. <i>Cell Reports</i> , 2021, 36, 109649.	6.4	32
16	Epigenetic regulation in Huntington's disease. <i>Neurochemistry International</i> , 2021, 148, 105074.	3.8	14
17	Polyglutamine diseases. <i>Current Opinion in Neurobiology</i> , 2022, 72, 39-47.	4.2	40
18	New developments in Huntingtonâ€™s disease and other triplet repeat diseases: DNA repair turns to the dark side. <i>Neuronal Signaling</i> , 2020, 4, NS20200010.	3.2	13
19	FAN1â€™s protection against CGG repeat expansion requires its nuclease activity and is FANCD2-independent. <i>Nucleic Acids Research</i> , 2021, 49, 11643-11652.	14.5	9
21	Using insights from genomics to increase possibilities for treatment of genetic diseases. , 2022, , 309-358.		1

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23	FAN1 exo- not endo-nuclease pausing on disease-associated slipped-DNA repeats: A mechanism of repeat instability. Cell Reports, 2021, 37, 110078.	6.4	19
24	Clinical and genetic characteristics of late-onset Huntington's disease in a large European cohort. European Journal of Neurology, 2022, 29, 1940-1951.	3.3	3
25	Genetic modifiers of Huntington disease differentially influence motor and cognitive domains. American Journal of Human Genetics, 2022, 109, 885-899.	6.2	29
26	Exome sequencing of individuals with Huntington's disease implicates FAN1 nuclease activity in slowing CAG expansion and disease onset. Nature Neuroscience, 2022, 25, 446-457.	14.8	31
27	Stool is a sensitive and noninvasive source of DNA for monitoring expansion in repeat expansion disease mouse models. DMM Disease Models and Mechanisms, 2022, 15, .	2.4	1
28	Both cis and trans-acting genetic factors drive somatic instability in female carriers of the FMR1 premutation. Scientific Reports, 2022, 12, .	3.3	11
29	Huntington's disease iPSC models using human patient cells to understand the pathology caused by expanded CAG repeats. Faculty Reviews, 0, 11, .	3.9	5
30	Beyond the CAG triplet number: exploring potential predictors of delayed age of onset in Huntington's disease. Journal of Neurology, 0, , .	3.6	1
31	Replication dependent and independent mechanisms of GAA repeat instability. DNA Repair, 2022, 118, 103385.	2.8	4
32	Allele-specific silencing of the gain-of-function mutation in Huntington's disease using CRISPR/Cas9. JCI Insight, 2022, 7, .	5.0	9
33	Suppression of trinucleotide repeat expansion in spermatogenic cells in Huntington's disease. Journal of Assisted Reproduction and Genetics, 0, , .	2.5	1
34	"Mendelian Code" in the Genetic Structure of Common Multifactorial Diseases. Russian Journal of Genetics, 2022, 58, 1159-1168.	0.6	2
35	Loss of CAA interruption and intergenerational CAG instability in Chinese patients with Huntington's disease. Journal of Molecular Medicine, 0, , .	3.9	1
37	FAN1 removes triplet repeat extrusions via a PCNA- and RFC-dependent mechanism. Proceedings of the National Academy of Sciences of the United States of America, 2023, 120, .	7.1	2
38	Genetic modifiers of repeat expansion disorders. Emerging Topics in Life Sciences, 2023, 7, 325-337.	2.6	1
41	Modification of Huntington's disease by short tandem repeats. Brain Communications, 2024, 6, .	3.3	0
42	Cell-type-specific CAG repeat expansions and toxicity of mutant Huntingtin in human striatum and cerebellum. Nature Genetics, 2024, 56, 383-394.	21.4	3
43	The instability of the Huntington's disease CAG repeat mutation. , 2024, , 85-115.		0

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44	Huntington's disease genetics: Implications for pathogenesis. , 2024, , 57-84.		0
45	Somatic CAG Repeat Stability in a Transgenic Sheep Model of Huntingtonâ€™s Disease. Journal of Huntington's Disease, 2024, 13, 33-40.	1.9	0