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

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Citation Report

#	Article	IF	Citations
1	Interrupting sequence variants and age of onset in Huntington's disease: clinical implications and emerging therapies. Lancet Neurology, The, 2020, 19, 930-939.	4.9	43
2	Structure-forming repeats and their impact on genome stability. Current Opinion in Genetics and Development, 2021, 67, 41-51.	1.5	34
3	Huntingtonâ€™s Disease Pathogenesis: Two Sequential Components. Journal of Huntington's Disease, 2021, 10, 35-51.	0.9	49
4	DNA Mismatch Repair and its Role in Huntingtonâ€™s Disease. Journal of Huntington's Disease, 2021, 10, 75-94.	0.9	47
5	FAN1, a DNA Repair Nuclease, as a Modifier of Repeat Expansion Disorders. Journal of Huntington's Disease, 2021, 10, 95-122.	0.9	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. Journal of Huntington's Disease, 2021, 10, 149-163.	0.9	15
7	Modifiers of CAG/CTG Repeat Instability: Insights from Mammalian Models. Journal of Huntington's Disease, 2021, 10, 123-148.	0.9	46
8	What is the Pathogenic CAG Expansion Length in Huntingtonâ€™s Disease?. Journal of Huntington's Disease, 2021, 10, 175-202.	0.9	31
11	Propensity for somatic expansion increases over the course of life in Huntington disease. ELife, 2021, 10, .	2.8	42
12	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
13	Huntingtonâ€™s disease: nearly four decades of human molecular genetics. Human Molecular Genetics, 2021, 30, R254-R263.	1.4	15
14	FAN1-MLH1 interaction affects repair of DNA interstrand cross-links and slipped-CAG/CTG repeats. Science Advances, 2021, 7, .	4.7	17
15	FAN1 controls mismatch repair complex assembly via MLH1 retention to stabilize CAG repeat expansion in Huntingtonâ€™s disease. Cell Reports, 2021, 36, 109649.	2.9	32
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17	Polyglutamine diseases. Current Opinion in Neurobiology, 2022, 72, 39-47.	2.0	40
18	New developments in Huntingtonâ€™s disease and other triplet repeat diseases: DNA repair turns to the dark side. Neuronal Signaling, 2020, 4, NS20200010.	1.7	13
19	FAN1â€™s protection against CGG repeat expansion requires its nuclease activity and is FANCD2-independent. Nucleic Acids Research, 2021, 49, 11643-11652.	6.5	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.	2.9	19
24	Clinical and genetic characteristics of lateâ€onset Huntington's disease in a large European cohort. European Journal of Neurology, 2022, 29, 1940-1951.	1.7	3
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	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
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, .	1.2	1
28	Both cis and trans-acting genetic factors drive somatic instability in female carriers of the FMR1 premutation. Scientific Reports, 2022, 12, .	1.6	11
29	Huntingtonâ€™s disease iPSC modelsâ€”using human patient cells to understand the pathology caused by expanded CAG repeats. Faculty Reviews, 0, 11, .	1.7	5
30	Beyond the CAG triplet number: exploring potential predictors of delayed age of onset in Huntingtonâ€™s disease. Journal of Neurology, 0, , .	1.8	1
31	Replication dependent and independent mechanisms of GAA repeat instability. DNA Repair, 2022, 118, 103385.	1.3	4
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33	Suppression of trinucleotide repeat expansion in spermatogenic cells in Huntingtonâ€™s disease. Journal of Assisted Reproduction and Genetics, 0, , .	1.2	1
34	â€œMendelian Codeâ€•in the Genetic Structure of Common Multifactorial Diseases. Russian Journal of Genetics, 2022, 58, 1159-1168.	0.2	2
43	The instability of the Huntington's disease CAG repeat mutation. , 2024, , 85-115.		0
44	Huntington's disease genetics: Implications for pathogenesis. , 2024, , 57-84.		0