Paul J Hagerman

List of Publications by Year
in descending order

64 papers	6,279 citations	126907 33 h-index	114465 63 g-index
66 all docs	66 docs citations	66 times ranked	3802 citing authors

#	Article	IF	Citations
1	Elevated Levels of FMR1 mRNA in Carrier Males: A New Mechanism of Involvement in the Fragile-X Syndrome. American Journal of Human Genetics, 2000, 66, 6-15.	6.2	756
2	Fragile X syndrome. Nature Reviews Disease Primers, 2017, 3, 17065.	30.5	490
3	The Fragile-X Premutation: A Maturing Perspective. American Journal of Human Genetics, 2004, 74, 805-816.	6.2	485
4	Investigation of the flexibility of DNA using transient electric birefringence. Biopolymers, 1981, 20, 1503-1535.	2.4	312
5	The fragile X prevalence paradox. Journal of Medical Genetics, 2008, 45, 498-499.	3.2	294
6	Monte Carlo approach to the analysis of the rotational diffusion of wormlike chains. Biopolymers, 1981, 20, 1481-1502.	2.4	253
7	A Novel FMR1 PCR Method for the Routine Detection of Low Abundance Expanded Alleles and Full Mutations in Fragile X Syndrome. Clinical Chemistry, 2010, 56, 399-408.	3.2	250
8	The fragile X premutation: into the phenotypic fold. Current Opinion in Genetics and Development, 2002, 12, 278-283.	3.3	228
9	Fragile X-associated tremor/ataxia syndrome â€" features, mechanisms and management. Nature Reviews Neurology, 2016, 12, 403-412.	10.1	221
10	Transcription of the FMR1 gene in individuals with fragile X syndrome. American Journal of Medical Genetics Part A, 2000, 97, 195-203.	2.4	192
11	Fragile X-associated Tremor/Ataxia Syndrome (FXTAS). Mental Retardation and Developmental Disabilities Research Reviews, 2004, 10, 25-30.	3.6	189
12	Transcription-Associated R-Loop Formation across the Human FMR1 CGG-Repeat Region. PLoS Genetics, 2014, 10, e1004294.	3.5	181
13	Cognitive profile of fragile X premutation carriers with and without fragile X-associated tremor/ataxia syndrome.. Neuropsychology, 2008, 22, 48-60.	1.3	167
14	An Information-Rich CGG Repeat Primed PCR That Detects the Full Range of Fragile X Expanded Alleles and Minimizes the Need for Southern Blot Analysis. Journal of Molecular Diagnostics, 2010, 12, 589-600.	2.8	166
15	Fragile X males with unmethylated, full mutation trinucleotide repeat expansions have elevated levels ofFMR1 messenger RNA. American Journal of Medical Genetics Part A, 2000, 94, 232-236.	2.4	154
16	Induction of inclusion formation and disruption of lamin A/C structure by premutation CGG-repeat RNA in human cultured neural cells. Human Molecular Genetics, 2005, 14, 3661-3671.	2.9	152
17	Fragile X-associated tremor/ataxia syndrome (FXTAS): pathology and mechanisms. Acta Neuropathologica, 2013, 126, 1-19.	7.7	142
18	Fragile Xâ€"associated tremor/ataxia syndrome. Annals of the New York Academy of Sciences, 2015, 1338, 58-70.	3.8	139

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19	Advances in understanding the molecular basis of FXTAS. Human Molecular Genetics, 2010, 19, R83-R89.	2.9	119
20	FLEXIBILITY OF RNA. Annual Review of Biophysics and Biomolecular Structure, 1997, 26, 139-156.	18.3	116
21	Origins of Epilepsy in Fragile X Syndrome. Epilepsy Currents, 2009, 9, 108-112.	0.8	87
22	Clinical and molecular implications of mosaicism in FMR1 full mutations. Frontiers in Genetics, 2014, 5, 318.	2.3	86
23	High-resolution methylation polymerase chain reaction for fragile X analysis: Evidence for novel FMR1 methylation patterns undetected in Southern blot analyses. Genetics in Medicine, 2011, 13, 528-538.	2.4	80
24	CNS expression of murine fragile X protein (FMRP) as a function of CGG-repeat size. Human Molecular Genetics, 2014, 23, 3228-3238.	2.9	66
25	A Quantitative ELISA Assay for the Fragile X Mental Retardation 1 Protein. Journal of Molecular Diagnostics, 2009, 11, 281-289.	2.8	52
26	Association between IQ and FMR1 protein (FMRP) across the spectrum of CGG repeat expansions. PLoS ONE, 2019, 14, e0226811.	2.5	52
27	Fragile X-associated tremor/ataxia syndromeâ€"an older face of the fragile X gene. Nature Clinical Practice Neurology, 2007, 3, 107-112.	2.5	50
28	Calcium dysregulation and Cdk5-ATM pathway involved in a mouse model of fragile X-associated tremor/ataxia syndrome. Human Molecular Genetics, 2017, 26, 2649-2666.	2.9	50
29	Augmented noncanonical BMP type II receptor signaling mediates the synaptic abnormality of fragile X syndrome. Science Signaling, 2016, 9, ra58.	3.6	49
30	Composition of the Intranuclear Inclusions of Fragile X-associated Tremor/Ataxia Syndrome. Acta Neuropathologica Communications, 2019, 7, 143.	5.2	48
31	Size and methylation mosaicism in males with Fragile X syndrome. Expert Review of Molecular Diagnostics, 2017, 17, 1023-1032.	3.1	47
32	Dysregulated iron metabolism in the choroid plexus in fragile X-associated tremor/ataxia syndrome. Brain Research, 2015, 1598, 88-96.	2.2	41
33	Memantine Effects on Verbal Memory in Fragile X-associated Tremor/Ataxia Syndrome (FXTAS): a Double-Blind Brain Potential Study. Neuropsychopharmacology, 2014, 39, 2760-2768.	5.4	36
34	A Majority of FXTAS Cases Present with Intranuclear Inclusions Within Purkinje Cells. Cerebellum, 2016, 15, 546-551.	2.5	36
35	The Angle between the Anticodon and Aminoacyl Acceptor Stems of Yeast tRNAPheIs Strongly Modulated by Magnesium Ionsâ€. Biochemistry, 1997, 36, 6090-6099.	2.5	35
36	Rare Intranuclear Inclusions in the Brains of 3 Older Adult Males With Fragile X Syndrome: Implications for the Spectrum of Fragile X-Associated Disorders. Journal of Neuropathology and Experimental Neurology, 2011, 70, 462-469.	1.7	33

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37	Iron accumulation and dysregulation in the putamen in fragile Xâ€associated tremor/ataxia syndrome. Movement Disorders, 2017, 32, 585-591.	3.9	32
38	Electrostatic contribution to the stiffness of DNA molecules of finite length. Biopolymers, 1983, 22, 811-814.	2.4	31
39	Differential increases of specificFMR1mRNA isoforms in premutation carriers. Journal of Medical Genetics, 2015, 52, 42-52.	3.2	29
40	High-throughput screening of FDA-approved drugs using oxygen biosensor plates reveals secondary mitofunctional effects. Mitochondrion, 2014, 17, 116-125.	3.4	27
41	Initiation of Translation of the FMR1 mRNA Occurs Predominantly through 5â€²-End-Dependent Ribosomal Scanning. Journal of Molecular Biology, 2011, 407, 21-34.	4.2	25
42	Fragile X syndrome and connective tissue dysregulation. Clinical Genetics, 2019, 95, 262-267.	2.0	25
43	Fragile X-associated tremor/ataxia syndrome: pathophysiology and management. Current Opinion in Neurology, 2021, 34, 541-546.	3.6	22
44	ERP abnormalities elicited by word repetition in fragile X-associated tremor/ataxia syndrome (FXTAS) and amnestic MCI. Neuropsychologia, 2014, 63, 34-42.	1.6	21
45	Current Gaps in Understanding the Molecular Basis of FXTAS. Tremor and Other Hyperkinetic Movements, 2012, 2, .	2.0	21
46	Elevated FMR1-mRNA and lowered FMRP â€“ A double-hit mechanism for psychiatric features in men with FMR1 premutations. Translational Psychiatry, 2020, 10, 205.	4.8	20
47	Microglial cell activation and senescence are characteristic of the pathology FXTAS. Movement Disorders, 2018, 33, 1887-1894.	3.9	19
48	Cerebellar Mild Iron Accumulation in a Subset of FMR1 Premutation Carriers with FXTAS. Cerebellum, 2016, 15, 641-644.	2.5	18
49	Single-locus enrichment without amplification for sequencing and direct detection of epigenetic modifications. Molecular Genetics and Genomics, 2016, 291, 1491-1504.	2.1	16
50	Astroglial-targeted expression of the fragile X CGG repeat premutation in mice yields RAN translation, motor deficits and possible evidence for cell-to-cell propagation of FXTAS pathology. Acta Neuropathologica Communications, 2019, 7, 27.	5.2	14
51	Distribution of CGG repeat sizes within the fragile X mental retardation 1 (FMR1) homologue in a non-human primate population. Human Genetics, 2003, 113, 371-376.	3.8	13
52	Clinical and molecular correlates in fragile X premutation females. ENeurologicalSci, 2017, 7, 49-56.	1.3	13
53	Fragile X syndrome. Current Biology, 2021, 31, R273-R275.	3.9	13
54	Human Cerebral Cortex Proteome of Fragile X-Associated Tremor/Ataxia Syndrome. Frontiers in Molecular Biosciences, 2020, 7, 600840.	3.5	11

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55	Nucleic acids from sequence to structure to function. Current Opinion in Structural Biology, 1996, 6, 277-280.	5.7	10
56	Core flexibility of a truncated metazoan mitochondrial tRNA. Nucleic Acids Research, 2008, 36, 5472-5481.	14.5	10
57	Expression of an expanded CGG-repeat RNA in a single pair of primary sensory neurons impairs olfactory adaptation in Caenorhabditis elegans. Human Molecular Genetics, 2014, 23, 4945-4959.	2.9	8
58	Fragile X Syndrome: Lessons Learned and What New Treatment Avenues Are on the Horizon. Annual Review of Pharmacology and Toxicology, 2022, 62, 365-381.	9.4	6
59	<scp>T</scp>wo <scp>FMR</scp>1 premutation cases without nuclear inclusions. Movement Disorders, 2017, 32, 1328-1329.	3.9	5
60	Developmental aspects of FXAND in a man with the FMR1 premutation. Molecular Genetics & Genomic Medicine, 2020, 8, e1050.	1.2	5
61	Hypermobile Ehlers-Danlos syndrome (hEDS) phenotype in fragile X premutation carriers: case series. Journal of Medical Genetics, 2022, 59, 687-690.	3.2	5
62	Epilepsy in autism spectrum disorders. Epilepsia, 2010, 51, 78-78.	5.1	3
63	Hispanoâ€American Brain Bank on Neurodevelopmental Disorders: An initiative to promote brain banking, research, education, and outreach in the field of neurodevelopmental disorders. Brain Pathology, 2022, 32, e13019.	4.1	3
64	Autofluorescence-based analyses of intranuclear inclusions of Fragile X-associated tremor/ataxia syndrome. BioTechniques, 2020, 69, 57-63.	1.8	0