

Paul J Hagerman

List of Publications by Year in descending order

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64
papers

6,279
citations

126708

33
h-index

114278

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. <i>American Journal of Human Genetics</i> , 2000, 66, 6-15.	2.6	756
2	Fragile X syndrome. <i>Nature Reviews Disease Primers</i> , 2017, 3, 17065.	18.1	490
3	The Fragile-X Premutation: A Maturing Perspective. <i>American Journal of Human Genetics</i> , 2004, 74, 805-816.	2.6	485
4	Investigation of the flexibility of DNA using transient electric birefringence. <i>Biopolymers</i> , 1981, 20, 1503-1535.	1.2	312
5	The fragile X prevalence paradox. <i>Journal of Medical Genetics</i> , 2008, 45, 498-499.	1.5	294
6	Monte Carlo approach to the analysis of the rotational diffusion of wormlike chains. <i>Biopolymers</i> , 1981, 20, 1481-1502.	1.2	253
7	A Novel FMR1 PCR Method for the Routine Detection of Low Abundance Expanded Alleles and Full Mutations in Fragile X Syndrome. <i>Clinical Chemistry</i> , 2010, 56, 399-408.	1.5	250
8	The fragile X premutation: into the phenotypic fold. <i>Current Opinion in Genetics and Development</i> , 2002, 12, 278-283.	1.5	228
9	Fragile X-associated tremor/ataxia syndrome " features, mechanisms and management. <i>Nature Reviews Neurology</i> , 2016, 12, 403-412.	4.9	221
10	Transcription of the FMR1 gene in individuals with fragile X syndrome. <i>American Journal of Medical Genetics Part A</i> , 2000, 97, 195-203.	2.4	192
11	Fragile X-associated Tremor/Ataxia Syndrome (FXTAS). <i>Mental Retardation and Developmental Disabilities Research Reviews</i> , 2004, 10, 25-30.	3.5	189
12	Transcription-Associated R-Loop Formation across the Human FMR1 CGG-Repeat Region. <i>PLoS Genetics</i> , 2014, 10, e1004294.	1.5	181
13	Cognitive profile of fragile X premutation carriers with and without fragile X-associated tremor/ataxia syndrome.. <i>Neuropsychology</i> , 2008, 22, 48-60.	1.0	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. <i>Journal of Molecular Diagnostics</i> , 2010, 12, 589-600.	1.2	166
15	Fragile X males with unmethylated, full mutation trinucleotide repeat expansions have elevated levels of FMR1 messenger RNA. <i>American Journal of Medical Genetics Part A</i> , 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. <i>Human Molecular Genetics</i> , 2005, 14, 3661-3671.	1.4	152
17	Fragile X-associated tremor/ataxia syndrome (FXTAS): pathology and mechanisms. <i>Acta Neuropathologica</i> , 2013, 126, 1-19.	3.9	142
18	Fragile X-associated tremor/ataxia syndrome. <i>Annals of the New York Academy of Sciences</i> , 2015, 1338, 58-70.	1.8	139

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19	Advances in understanding the molecular basis of FXTAS. <i>Human Molecular Genetics</i> , 2010, 19, R83-R89.	1.4	119
20	FLEXIBILITY OF RNA. <i>Annual Review of Biophysics and Biomolecular Structure</i> , 1997, 26, 139-156.	18.3	116
21	Origins of Epilepsy in Fragile X Syndrome. <i>Epilepsy Currents</i> , 2009, 9, 108-112.	0.4	87
22	Clinical and molecular implications of mosaicism in FMR1 full mutations. <i>Frontiers in Genetics</i> , 2014, 5, 318.	1.1	86
23	High-resolution methylation polymerase chain reaction for fragile X analysis: Evidence for novel FMR1 methylation patterns undetected in Southern blot analyses. <i>Genetics in Medicine</i> , 2011, 13, 528-538.	1.1	80
24	CNS expression of murine fragile X protein (FMRP) as a function of CCG-repeat size. <i>Human Molecular Genetics</i> , 2014, 23, 3228-3238.	1.4	66
25	A Quantitative ELISA Assay for the Fragile X Mental Retardation 1 Protein. <i>Journal of Molecular Diagnostics</i> , 2009, 11, 281-289.	1.2	52
26	Association between IQ and FMR1 protein (FMRP) across the spectrum of CCG repeat expansions. <i>PLoS ONE</i> , 2019, 14, e0226811.	1.1	52
27	Fragile X-associated tremor/ataxia syndrome—“an older face of the fragile X gene. <i>Nature Clinical Practice Neurology</i> , 2007, 3, 107-112.	2.7	50
28	Calcium dysregulation and Cdk5-ATM pathway involved in a mouse model of fragile X-associated tremor/ataxia syndrome. <i>Human Molecular Genetics</i> , 2017, 26, 2649-2666.	1.4	50
29	Augmented noncanonical BMP type II receptor signaling mediates the synaptic abnormality of fragile X syndrome. <i>Science Signaling</i> , 2016, 9, ra58.	1.6	49
30	Composition of the Intranuclear Inclusions of Fragile X-associated Tremor/Ataxia Syndrome. <i>Acta Neuropathologica Communications</i> , 2019, 7, 143.	2.4	48
31	Size and methylation mosaicism in males with Fragile X syndrome. <i>Expert Review of Molecular Diagnostics</i> , 2017, 17, 1023-1032.	1.5	47
32	Dysregulated iron metabolism in the choroid plexus in fragile X-associated tremor/ataxia syndrome. <i>Brain Research</i> , 2015, 1598, 88-96.	1.1	41
33	Memantine Effects on Verbal Memory in Fragile X-associated Tremor/Ataxia Syndrome (FXTAS): a Double-Blind Brain Potential Study. <i>Neuropsychopharmacology</i> , 2014, 39, 2760-2768.	2.8	36
34	A Majority of FXTAS Cases Present with Intranuclear Inclusions Within Purkinje Cells. <i>Cerebellum</i> , 2016, 15, 546-551.	1.4	36
35	The Angle between the Anticodon and Aminoacyl Acceptor Stems of Yeast tRNAPhe Is Strongly Modulated by Magnesium Ions. <i>Biochemistry</i> , 1997, 36, 6090-6099.	1.2	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. <i>Journal of Neuropathology and Experimental Neurology</i> , 2011, 70, 462-469.	0.9	33

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37	Iron accumulation and dysregulation in the putamen in fragile X-associated tremor/ataxia syndrome. <i>Movement Disorders</i> , 2017, 32, 585-591.	2.2	32
38	Electrostatic contribution to the stiffness of DNA molecules of finite length. <i>Biopolymers</i> , 1983, 22, 811-814.	1.2	31
39	Differential increases of specific FMR1 mRNA isoforms in premutation carriers. <i>Journal of Medical Genetics</i> , 2015, 52, 42-52.	1.5	29
40	High-throughput screening of FDA-approved drugs using oxygen biosensor plates reveals secondary mitofunctional effects. <i>Mitochondrion</i> , 2014, 17, 116-125.	1.6	27
41	Initiation of Translation of the FMR1 mRNA Occurs Predominantly through 5'-End-Dependent Ribosomal Scanning. <i>Journal of Molecular Biology</i> , 2011, 407, 21-34.	2.0	25
42	Fragile X syndrome and connective tissue dysregulation. <i>Clinical Genetics</i> , 2019, 95, 262-267.	1.0	25
43	Fragile X-associated tremor/ataxia syndrome: pathophysiology and management. <i>Current Opinion in Neurology</i> , 2021, 34, 541-546.	1.8	22
44	ERP abnormalities elicited by word repetition in fragile X-associated tremor/ataxia syndrome (FXTAS) and amnesic MCI. <i>Neuropsychologia</i> , 2014, 63, 34-42.	0.7	21
45	Current Gaps in Understanding the Molecular Basis of FXTAS. <i>Tremor and Other Hyperkinetic Movements</i> , 2012, 2, .	1.1	21
46	Elevated FMR1-mRNA and lowered FMRP – A double-hit mechanism for psychiatric features in men with FMR1 premutations. <i>Translational Psychiatry</i> , 2020, 10, 205.	2.4	20
47	Microglial cell activation and senescence are characteristic of the pathology FXTAS. <i>Movement Disorders</i> , 2018, 33, 1887-1894.	2.2	19
48	Cerebellar Mild Iron Accumulation in a Subset of FMR1 Premutation Carriers with FXTAS. <i>Cerebellum</i> , 2016, 15, 641-644.	1.4	18
49	Single-locus enrichment without amplification for sequencing and direct detection of epigenetic modifications. <i>Molecular Genetics and Genomics</i> , 2016, 291, 1491-1504.	1.0	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. <i>Acta Neuropathologica Communications</i> , 2019, 7, 27.	2.4	14
51	Distribution of CGG repeat sizes within the fragile X mental retardation 1 (FMR1) homologue in a non-human primate population. <i>Human Genetics</i> , 2003, 113, 371-376.	1.8	13
52	Clinical and molecular correlates in fragile X premutation females. <i>ENeurologicalSci</i> , 2017, 7, 49-56.	0.5	13
53	Fragile X syndrome. <i>Current Biology</i> , 2021, 31, R273-R275.	1.8	13
54	Human Cerebral Cortex Proteome of Fragile X-Associated Tremor/Ataxia Syndrome. <i>Frontiers in Molecular Biosciences</i> , 2020, 7, 600840.	1.6	11

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55	Nucleic acids from sequence to structure to function. <i>Current Opinion in Structural Biology</i> , 1996, 6, 277-280.	2.6	10
56	Core flexibility of a truncated metazoan mitochondrial tRNA. <i>Nucleic Acids Research</i> , 2008, 36, 5472-5481.	6.5	10
57	Expression of an expanded CCG-repeat RNA in a single pair of primary sensory neurons impairs olfactory adaptation in <i>Caenorhabditis elegans</i> . <i>Human Molecular Genetics</i> , 2014, 23, 4945-4959.	1.4	8
58	Fragile X Syndrome: Lessons Learned and What New Treatment Avenues Are on the Horizon. <i>Annual Review of Pharmacology and Toxicology</i> , 2022, 62, 365-381.	4.2	6
59	<scp>T</scp>wo <scp>FMR</scp>1 premutation cases without nuclear inclusions. <i>Movement Disorders</i> , 2017, 32, 1328-1329.	2.2	5
60	Developmental aspects of FXAND in a man with the <i>FMR1</i> premutation. <i>Molecular Genetics & Genomic Medicine</i> , 2020, 8, e1050.	0.6	5
61	Hypermobile Ehlers-Danlos syndrome (hEDS) phenotype in fragile X premutation carriers: case series. <i>Journal of Medical Genetics</i> , 2022, 59, 687-690.	1.5	5
62	Epilepsy in autism spectrum disorders. <i>Epilepsia</i> , 2010, 51, 78-78.	2.6	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. <i>Brain Pathology</i> , 2022, 32, e13019.	2.1	3
64	Autofluorescence-based analyses of intranuclear inclusions of Fragile X-associated tremor/ataxia syndrome. <i>BioTechniques</i> , 2020, 69, 57-63.	0.8	0