John V Moran

List of Publications by Year
in descending order

43 papers	31,576 citations	159358 30 h-index	288905 40 g-index
49 all docs	49 docs citations	49 times ranked	27312 citing authors

#	Article	IF	Citations
1	The landscape of somatic mutation in cerebral cortex of autistic and neurotypical individuals revealed by ultra-deep whole-genome sequencing. Nature Neuroscience, 2021, 24, 176-185.	7.1	73
2	Comprehensive identification of somatic nucleotide variants in human brain tissue. Genome Biology, 2021, 22, 92.	3.8	26
3	Long-read assembly of a Great Dane genome highlights the contribution of GC-rich sequence and mobile elements to canine genomes. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, .	3.3	25
4	Machine learning reveals bilateral distribution of somatic L1 insertions in human neurons and glia. Nature Neuroscience, 2021, 24, 186-196.	7.1	22
5	Identification and characterization of occult human-specific LINE-1 insertions using long-read sequencing technology. Nucleic Acids Research, 2020, 48, 1146-1163.	6.5	68
6	Poly(ADP-Ribose) Polymerase 2 Recruits Replication Protein A to Sites of LINE-1 Integration to Facilitate Retrotransposition. Molecular Cell, 2019, 75, 1286-1298.e12.	4.5	26
7	Genome-wide de novo L1 Retrotransposition Connects Endonuclease Activity with Replication. Cell, 2019, 177, 837-851.e28.	13.5	88
8	RNA ligation precedes the retrotransposition of U6/LINE-1 chimeric RNA. Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 20612-20622.	3.3	23
9	Spliced integrated retrotransposed element (SpIRE) formation in the human genome. PLoS Biology, 2018, 16, e2003067.	2.6	11
10	Intersection of diverse neuronal genomes and neuropsychiatric disease: The Brain Somatic Mosaicism Network. Science, 2017, 356, .	6.0	206
11	Mobile DNA in Health and Disease. New England Journal of Medicine, 2017, 377, 361-370.	13.9	321
12	Condensin II and GAIT complexes cooperate to restrict LINE-1 retrotransposition in epithelial cells. PLoS Genetics, 2017, 13, e1007051.	1.5	19
13	LINE-1 Cultured Cell Retrotransposition Assay. Methods in Molecular Biology, 2016, 1400, 139-156.	0.4	45
14	p53 genes function to restrain mobile elements. Genes and Development, 2016, 30, 64-77.	2.7	174
15	LEAP: L1 Element Amplification Protocol. Methods in Molecular Biology, 2016, 1400, 339-355.	0.4	9
16	The Influence of LINE-1 and SINE Retrotransposons on Mammalian Genomes. Microbiology Spectrum, 2015, 3, MDNA3-0061-2014.	1.2	236
17	A 3â€² Poly(A) Tract Is Required for LINE-1 Retrotransposition. Molecular Cell, 2015, 60, 728-741.	4.5	120
18	The Zinc-Finger Antiviral Protein ZAP Inhibits LINE and Alu Retrotransposition. PLoS Genetics, 2015, 11, e1005121.	1.5	119

#	Article	IF	Citations
19	Mobile genetic elements and genome evolution 2014. Mobile DNA, 2014, 5, 26.	1.3	9
20	2013 Curt Stern Award Address1. American Journal of Human Genetics, 2014, 94, 340-348.	2.6	0
21	APOBEC3A deaminates transiently exposed single-strand DNA during LINE-1 retrotransposition. ELife, 2014, 3, e02008.	2.8	113
22	Transduction-Specific ATLAS Reveals a Cohort of Highly Active L1 Retrotransposons in Human Populations. Human Mutation, 2013, 34, 974-985.	1.1	38
23	Ataxia telangiectasia mutated (ATM) modulates long interspersed element-1 (L1) retrotransposition in human neural stem cells. Proceedings of the National Academy of Sciences of the United States of America, 2011, 108, 20382-20387.	3.3	217
24	LINE-1 Elements in Structural Variation and Disease. Annual Review of Genomics and Human Genetics, 2011, 12, 187-215.	2.5	471
25	LINE-1 Retrotransposition Activity in Human Genomes. Cell, 2010, 141, 1159-1170.	13.5	531
26	Diamonds and rust: how transposable elements influence mammalian genomes. EMBO Reports, 2009, 10, 1306-1310.	2.0	5
27	L1 retrotransposition in human neural progenitor cells. Nature, 2009, 460, 1127-1131.	13.7	750
28	Distinct mechanisms for trans-mediated mobilization of cellular RNAs by the LINE-1 reverse transcriptase. Genome Research, 2007, 17, 602-611.	2.4	111
29	Somatic mosaicism in neuronal precursor cells mediated by L1 retrotransposition. Nature, 2005, 435, 903-910.	13.7	860
30	Multiple Fates of L1 Retrotransposition Intermediates in Cultured Human Cells. Molecular and Cellular Biology, 2005, 25, 7780-7795.	1.1	255
31	Hot L1s account for the bulk of retrotransposition in the human population. Proceedings of the National Academy of Sciences of the United States of America, 2003, 100, 5280-5285.	3.3	923
32	ATLAS: A System to Selectively Identify Human-Specific L1 Insertions. American Journal of Human Genetics, 2003, 72, 823-838.	2.6	105
33	Genomic Deletions Created upon LINE-1 Retrotransposition. Cell, 2002, 110, 315-325.	13.5	427
34	DNA repair mediated by endonuclease-independent LINE-1 retrotransposition. Nature Genetics, 2002, 31, 159-165.	9.4	440
35	Human L1 Retrotransposition: cis Preference versus trans Complementation. Molecular and Cellular Biology, 2001, 21, 1429-1439.	1.1	587
36	Initial sequencing and analysis of the human genome. Nature, 2001, 409, 860-921.	13.7	21,074

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37	Stable Integration of Transgenes Delivered by a Retrotransposonâ€“Adenovirus Hybrid Vector. Human Gene Therapy, 2001, 12, 1417-1428.	1.4	42
38	Title is missing!. , 1999, 107, 39-51.		28
39	The impact of L1 retrotransposons on the human genome. Nature Genetics, 1998, 19, 19-24.	9.4	492
40	Many human L1 elements are capable of retrotransposition. Nature Genetics, 1997, 16, 37-43.	9.4	451
41	Human L1 Retrotransposon Encodes a Conserved Endonuclease Required for Retrotransposition. Cell, 1996, 87, 905-916.	13.5	1,048
42	High Frequency Retrotransposition in Cultured Mammalian Cells. Cell, 1996, 87, 917-927.	13.5	950
43	The Influence of LINE-1 and SINE Retrotransposons on Mammalian Genomes. , 0, , 1165-1208.		25