

Jose Luis Garcia-Perez

List of Publications by Year in descending order

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Version: 2024-02-01

41
papers

4,757
citations

172457

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h-index

289244

40
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45
all docs

45
docs citations

45
times ranked

4769
citing authors

#	ARTICLE	IF	CITATIONS
1	L1 retrotransposition in human neural progenitor cells. <i>Nature</i> , 2009, 460, 1127-1131.	27.8	750
2	LINE-1 Elements in Structural Variation and Disease. <i>Annual Review of Genomics and Human Genetics</i> , 2011, 12, 187-215.	6.2	471
3	Cellular inhibitors of long interspersed element 1 and Alu retrotransposition. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2006, 103, 8780-8785.	7.1	343
4	The Influence of LINE-1 and SINE Retrotransposons on Mammalian Genomes. <i>Microbiology Spectrum</i> , 2015, 3, MDNA3-0061-2014.	3.0	236
5	Ataxia telangiectasia mutated (ATM) modulates long interspersed element-1 (L1) retrotransposition in human neural stem cells. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2011, 108, 20382-20387.	7.1	217
6	LINE-1 retrotransposition in human embryonic stem cells. <i>Human Molecular Genetics</i> , 2007, 16, 1569-1577.	2.9	204
7	The impact of transposable elements on mammalian development. <i>Development (Cambridge)</i> , 2016, 143, 4101-4114.	2.5	161
8	Unconventional translation of mammalian LINE-1 retrotransposons. <i>Genes and Development</i> , 2006, 20, 210-224.	5.9	157
9	Epigenetic silencing of engineered L1 retrotransposition events in human embryonic carcinoma cells. <i>Nature</i> , 2010, 466, 769-773.	27.8	157
10	N6-methyladenosine regulates the stability of RNA:DNA hybrids in human cells. <i>Nature Genetics</i> , 2020, 52, 48-55.	21.4	147
11	Reprogramming somatic cells into iPS cells activates LINE-1 retroelement mobility. <i>Human Molecular Genetics</i> , 2012, 21, 208-218.	2.9	145
12	Epigenetic Control of Retrotransposon Expression in Human Embryonic Stem Cells. <i>Molecular and Cellular Biology</i> , 2011, 31, 300-316.	2.3	128
13	Engineered LINE-1 retrotransposition in nondividing human neurons. <i>Genome Research</i> , 2017, 27, 335-348.	5.5	128
14	Reprogramming triggers endogenous L1 and Alu retrotransposition in human induced pluripotent stem cells. <i>Nature Communications</i> , 2016, 7, 10286.	12.8	113
15	Distinct mechanisms for trans-mediated mobilization of cellular RNAs by the LINE-1 reverse transcriptase. <i>Genome Research</i> , 2007, 17, 602-611.	5.5	111
16	LINE-1 Evasion of Epigenetic Repression in Humans. <i>Molecular Cell</i> , 2019, 75, 590-604.e12.	9.7	106
17	The Microprocessor controls the activity of mammalian retrotransposons. <i>Nature Structural and Molecular Biology</i> , 2013, 20, 1173-1181.	8.2	105
18	cGAS-mediated induction of type I interferon due to inborn errors of histone pre-mRNA processing. <i>Nature Genetics</i> , 2020, 52, 1364-1372.	21.4	105

#	ARTICLE	IF	CITATIONS
19	L1 Mosaicism in Mammals: Extent, Effects, and Evolution. Trends in Genetics, 2017, 33, 802-816.	6.7	92
20	Endogenous APOBEC3B Restricts LINE-1 Retrotransposition in Transformed Cells and Human Embryonic Stem Cells. Journal of Biological Chemistry, 2011, 286, 36427-36437.	3.4	90
21	Heritable L1 retrotransposition in the mouse primordial germline and early embryo. Genome Research, 2017, 27, 1395-1405.	5.5	90
22	Genome-wide de novo L1 Retrotransposition Connects Endonuclease Activity with Replication. Cell, 2019, 177, 837-851.e28.	28.9	88
23	Uridylation by TUT4/7 Restricts Retrotransposition of Human LINE-1s. Cell, 2018, 174, 1537-1548.e29.	28.9	74
24	RNase H2, mutated in Aicardi-Goutières syndrome, promotes LINE-1 retrotransposition. EMBO Journal, 2018, 37, .	7.8	67
25	Microarray Analysis of LTR Retrotransposon Silencing Identifies Hdac1 as a Regulator of Retrotransposon Expression in Mouse Embryonic Stem Cells. PLoS Computational Biology, 2012, 8, e1002486.	3.2	64
26	Similarities between long interspersed element-1 (LINE-1) reverse transcriptase and telomerase. Proceedings of the National Academy of Sciences of the United States of America, 2011, 108, 20345-20350.	7.1	60
27	Transcriptional profiling of HERV-K(HML-2) in amyotrophic lateral sclerosis and potential implications for expression of HML-2 proteins. Molecular Neurodegeneration, 2018, 13, 39.	10.8	47
28	<i>Alu</i> retrotransposons promote differentiation of human carcinoma cells through the aryl hydrocarbon receptor. Nucleic Acids Research, 2016, 44, 4665-4683.	14.5	45
29	Mobilization of LINE-1 retrotransposons is restricted by Tex19.1 in mouse embryonic stem cells. ELife, 2017, 6, .	6.0	43
30	Properties of LINE-1 proteins and repeat element expression in the context of amyotrophic lateral sclerosis. Mobile DNA, 2018, 9, 35.	3.6	37
31	Control of mammalian retrotransposons by cellular RNA processing activities. Mobile Genetic Elements, 2014, 4, e28439.	1.8	31
32	Synthesis and Characterization of Specific Reverse Transcriptase Inhibitors for Mammalian LINE-1 Retrotransposons. Cell Chemical Biology, 2019, 26, 1095-1109.e14.	5.2	26
33	The Non-LTR (Long Terminal Repeat) Retrotransposon L1Tc from Trypanosoma cruzi Codes for a Protein with RNase H Activity. Journal of Biological Chemistry, 2002, 277, 28025-28030.	3.4	23
34	Retrotransposons in pluripotent cells: Impact and new roles in cellular plasticity. Biochimica Et Biophysica Acta - Gene Regulatory Mechanisms, 2015, 1849, 417-426.	1.9	20
35	Impact of non-LTR retrotransposons in the differentiation and evolution of anatomically modern humans. Mobile DNA, 2018, 9, 28.	3.6	18
36	Reconstitution of the Ataxia-Telangiectasia Cellular Phenotype With Lentiviral Vectors. Frontiers in Immunology, 2018, 9, 2703.	4.8	15

#	ARTICLE	IF	CITATIONS
37	The IS2 Element Improves Transcription Efficiency of Integration-Deficient Lentiviral Vector Episomes. Molecular Therapy - Nucleic Acids, 2018, 13, 16-28.	5.1	8
38	siRNA/L1 retrotransposition: using siRNAs and miRNAs to expand the applications of the cell culture-based LINE-1 retrotransposition assay. Philosophical Transactions of the Royal Society B: Biological Sciences, 2020, 375, 20190346.	4.0	8
39	LINE-1 transcription in round spermatids is associated with accretion of 5-carboxylcytosine in their open reading frames. Communications Biology, 2021, 4, 691.	4.4	8
40	Study of Transposable Elements and Their Genomic Impact. Methods in Molecular Biology, 2016, 1400, 1-19.	0.9	7
41	Editorial: Mobile Genetic Elements in Cellular Differentiation, Genome Stability, and Cancer. Frontiers in Chemistry, 2017, 5, 108.	3.6	0