

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

172207

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288905

40
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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. | 13.7 | 750 |
| 2 | LINE-1 Elements in Structural Variation and Disease. <i>Annual Review of Genomics and Human Genetics</i> , 2011, 12, 187-215. | 2.5 | 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. | 3.3 | 343 |
| 4 | The Influence of LINE-1 and SINE Retrotransposons on Mammalian Genomes. <i>Microbiology Spectrum</i> , 2015, 3, MDNA3-0061-2014. | 1.2 | 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. | 3.3 | 217 |
| 6 | LINE-1 retrotransposition in human embryonic stem cells. <i>Human Molecular Genetics</i> , 2007, 16, 1569-1577. | 1.4 | 204 |
| 7 | The impact of transposable elements on mammalian development. <i>Development (Cambridge)</i> , 2016, 143, 4101-4114. | 1.2 | 161 |
| 8 | Unconventional translation of mammalian LINE-1 retrotransposons. <i>Genes and Development</i> , 2006, 20, 210-224. | 2.7 | 157 |
| 9 | Epigenetic silencing of engineered L1 retrotransposition events in human embryonic carcinoma cells. <i>Nature</i> , 2010, 466, 769-773. | 13.7 | 157 |
| 10 | N6-methyladenosine regulates the stability of RNA:DNA hybrids in human cells. <i>Nature Genetics</i> , 2020, 52, 48-55. | 9.4 | 147 |
| 11 | Reprogramming somatic cells into iPS cells activates LINE-1 retroelement mobility. <i>Human Molecular Genetics</i> , 2012, 21, 208-218. | 1.4 | 145 |
| 12 | Epigenetic Control of Retrotransposon Expression in Human Embryonic Stem Cells. <i>Molecular and Cellular Biology</i> , 2011, 31, 300-316. | 1.1 | 128 |
| 13 | Engineered LINE-1 retrotransposition in nondividing human neurons. <i>Genome Research</i> , 2017, 27, 335-348. | 2.4 | 128 |
| 14 | Reprogramming triggers endogenous L1 and Alu retrotransposition in human induced pluripotent stem cells. <i>Nature Communications</i> , 2016, 7, 10286. | 5.8 | 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. | 2.4 | 111 |
| 16 | LINE-1 Evasion of Epigenetic Repression in Humans. <i>Molecular Cell</i> , 2019, 75, 590-604.e12. | 4.5 | 106 |
| 17 | The Microprocessor controls the activity of mammalian retrotransposons. <i>Nature Structural and Molecular Biology</i> , 2013, 20, 1173-1181. | 3.6 | 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. | 9.4 | 105 |

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|----|--|------|-----------|
| 19 | L1 Mosaicism in Mammals: Extent, Effects, and Evolution. <i>Trends in Genetics</i> , 2017, 33, 802-816. | 2.9 | 92 |
| 20 | Endogenous APOBEC3B Restricts LINE-1 Retrotransposition in Transformed Cells and Human Embryonic Stem Cells. <i>Journal of Biological Chemistry</i> , 2011, 286, 36427-36437. | 1.6 | 90 |
| 21 | Heritable L1 retrotransposition in the mouse primordial germline and early embryo. <i>Genome Research</i> , 2017, 27, 1395-1405. | 2.4 | 90 |
| 22 | Genome-wide de novo L1 Retrotransposition Connects Endonuclease Activity with Replication. <i>Cell</i> , 2019, 177, 837-851.e28. | 13.5 | 88 |
| 23 | Uridylation by TUT4/7 Restricts Retrotransposition of Human LINE-1s. <i>Cell</i> , 2018, 174, 1537-1548.e29. | 13.5 | 74 |
| 24 | RNase H2, mutated in Aicardi-Goutières syndrome, promotes LINE-1 retrotransposition. <i>EMBO Journal</i> , 2018, 37, . | 3.5 | 67 |
| 25 | Microarray Analysis of LTR Retrotransposon Silencing Identifies Hdac1 as a Regulator of Retrotransposon Expression in Mouse Embryonic Stem Cells. <i>PLoS Computational Biology</i> , 2012, 8, e1002486. | 1.5 | 64 |
| 26 | Similarities between long interspersed element-1 (LINE-1) reverse transcriptase and telomerase. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2011, 108, 20345-20350. | 3.3 | 60 |
| 27 | Transcriptional profiling of HERV-K(HML-2) in amyotrophic lateral sclerosis and potential implications for expression of HML-2 proteins. <i>Molecular Neurodegeneration</i> , 2018, 13, 39. | 4.4 | 47 |
| 28 | Alu retrotransposons promote differentiation of human carcinoma cells through the aryl hydrocarbon receptor. <i>Nucleic Acids Research</i> , 2016, 44, 4665-4683. | 6.5 | 45 |
| 29 | Mobilization of LINE-1 retrotransposons is restricted by Tex19.1 in mouse embryonic stem cells. <i>ELife</i> , 2017, 6, . | 2.8 | 43 |
| 30 | Properties of LINE-1 proteins and repeat element expression in the context of amyotrophic lateral sclerosis. <i>Mobile DNA</i> , 2018, 9, 35. | 1.3 | 37 |
| 31 | Control of mammalian retrotransposons by cellular RNA processing activities. <i>Mobile Genetic Elements</i> , 2014, 4, e28439. | 1.8 | 31 |
| 32 | Synthesis and Characterization of Specific Reverse Transcriptase Inhibitors for Mammalian LINE-1 Retrotransposons. <i>Cell Chemical Biology</i> , 2019, 26, 1095-1109.e14. | 2.5 | 26 |
| 33 | The Non-LTR (Long Terminal Repeat) Retrotransposon L1Tc from <i>Trypanosoma cruzi</i> Codes for a Protein with RNase H Activity. <i>Journal of Biological Chemistry</i> , 2002, 277, 28025-28030. | 1.6 | 23 |
| 34 | Retrotransposons in pluripotent cells: Impact and new roles in cellular plasticity. <i>Biochimica Et Biophysica Acta - Gene Regulatory Mechanisms</i> , 2015, 1849, 417-426. | 0.9 | 20 |
| 35 | Impact of non-LTR retrotransposons in the differentiation and evolution of anatomically modern humans. <i>Mobile DNA</i> , 2018, 9, 28. | 1.3 | 18 |
| 36 | Reconstitution of the Ataxia-Telangiectasia Cellular Phenotype With Lentiviral Vectors. <i>Frontiers in Immunology</i> , 2018, 9, 2703. | 2.2 | 15 |

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|----|---|-----|-----------|
| 37 | The IS2 Element Improves Transcription Efficiency of Integration-Deficient Lentiviral Vector Episomes. <i>Molecular Therapy - Nucleic Acids</i> , 2018, 13, 16-28. | 2.3 | 8 |
| 38 | siRNA/L1 retrotransposition: using siRNAs and miRNAs to expand the applications of the cell culture-based LINE-1 retrotransposition assay. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2020, 375, 20190346. | 1.8 | 8 |
| 39 | LINE-1 transcription in round spermatids is associated with accretion of 5-carboxylcytosine in their open reading frames. <i>Communications Biology</i> , 2021, 4, 691. | 2.0 | 8 |
| 40 | Study of Transposable Elements and Their Genomic Impact. <i>Methods in Molecular Biology</i> , 2016, 1400, 1-19. | 0.4 | 7 |
| 41 | Editorial: Mobile Genetic Elements in Cellular Differentiation, Genome Stability, and Cancer. <i>Frontiers in Chemistry</i> , 2017, 5, 108. | 1.8 | 0 |