# Claire Francastel

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/5436272/publications.pdf

Version: 2024-02-01

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|---|---|---|---|
| 50 papers | 3,068 citations | 218677 26 h-index | 214800 47 g-index |
| 52 all docs | 52 docs citations | 52 times ranked | 4038 citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | Nuclear compartmentalization and gene activity. Nature Reviews Molecular Cell Biology, 2000, 1, 137-143. | 37.0 | 276 |
| 2 | Nuclear localization and histone acetylation: a pathway for chromatin opening and transcriptional activation of the human Î²-globin locus. Genes and Development, 2000, 14, 940-950. | 5.9 | 261 |
| 3 | A Functional Enhancer Suppresses Silencing of a Transgene and Prevents Its Localization Close to Centromeric Heterochromatin. Cell, 1999, 99, 259-269. | 28.9 | 241 |
| 4 | Accumulation of small murine minor satellite transcripts leads to impaired centromeric architecture and function. Proceedings of the National Academy of Sciences of the United States of America, 2006, 103, 8709-8714. | 7.1 | 209 |
| 5 | Dynamic changes in transcription factor complexes during erythroid differentiation revealed by quantitative proteomics. Nature Structural and Molecular Biology, 2004, 11, 73-80. | 8.2 | 199 |
| 6 | Evaluation of DNA Methylation Episignatures for Diagnosis and Phenotype Correlations in 42 Mendelian Neurodevelopmental Disorders. American Journal of Human Genetics, 2020, 106, 356-370. | 6.2 | 171 |
| 7 | Steroid receptor RNA activator protein binds to and counteracts SRA RNA-mediated activation of MyoD and muscle differentiation. Nucleic Acids Research, 2011, 39, 513-525. | 14.5 | 153 |
| 8 | Mutations in CDCA7 and HELLS cause immunodeficiencyâ€“centromeric instabilityâ€“facial anomalies syndrome. Nature Communications, 2015, 6, 7870. | 12.8 | 148 |
| 9 | Non-coding murine centromeric transcripts associate with and potentiate Aurora B kinase. Nucleic Acids Research, 2009, 37, 5071-5080. | 14.5 | 126 |
| 10 | Dnmt3b recruitment through E2F6 transcriptional repressor mediates germ-line gene silencing in murine somatic tissues. Proceedings of the National Academy of Sciences of the United States of America, 2010, 107, 9281-9286. | 7.1 | 118 |
| 11 | Long-Distance Control of Origin Choice and Replication Timing in the Human Î²-Globin Locus Are Independent of the Locus Control Region. Molecular and Cellular Biology, 2000, 20, 5581-5591. | 2.3 | 111 |
| 12 | When one is better than two: RNA with dual functions. Biochimie, 2011, 93, 633-644. | 2.6 | 96 |
| 13 | Telomeres in ICF syndrome cells are vulnerable to DNA damage due to elevated DNA:RNA hybrids. Nature Communications, 2017, 8, 14015. | 12.8 | 96 |
| 14 | CDCA7 and HELLS mutations undermine nonhomologous end joining in centromeric instability syndrome. Journal of Clinical Investigation, 2018, 129, 78-92. | 8.2 | 62 |
| 15 | Comparative methylome analysis of ICF patients identifies heterochromatin loci that require ZBTB24, CDCA7 and HELLS for their methylated state. Human Molecular Genetics, 2018, 27, 2409-2424. | 2.9 | 51 |
| 16 | Maintenance of DNA methylation: Dnmt3b joins the dance. Epigenetics, 2011, 6, 1373-1377. | 2.7 | 50 |
| 17 | Mammalian Introns: When the Junk Generates Molecular Diversity. International Journal of Molecular Sciences, 2015, 16, 4429-4452. | 4.1 | 50 |
| 18 | MafG Sumoylation Is Required for Active Transcriptional Repression. Molecular and Cellular Biology, 2006, 26, 4652-4663. | 2.3 | 49 |

| # | Article | IF | Citations |
|---|---|---|---|
| 19 | Genetic, Cellular and Clinical Features of ICF Syndrome: a French National Survey. Journal of Clinical Immunology, 2016, 36, 149-159. | 3.8 | 48 |
| 20 | Three novel ZBTB24 mutations identified in Japanese and Cape Verdean type 2 ICF syndrome patients. Journal of Human Genetics, 2013, 58, 455-460. | 2.3 | 46 |
| 21 | Coding and Non-coding RNAs, the Frontier Has Never Been So Blurred. Frontiers in Genetics, 2018, 9, 140. | 2.3 | 43 |
| 22 | ICF-specific DNMT3B dysfunction interferes with intragenic regulation of mRNA transcription and alternative splicing. Nucleic Acids Research, 2017, 45, 5739-5756. | 14.5 | 42 |
| 23 | CENP-A chromatin disassembly in stressed and senescent murine cells. Scientific Reports, 2017, 7, 42520. | 3.3 | 38 |
| 24 | Lymphoid-affiliated genes are associated with active histone modifications in human hematopoietic stem cells. Blood, 2008, 112, 2722-2729. | 1.4 | 34 |
| 25 | Contrasting epigenetic states of heterochromatin in the different types of mouse pluripotent stem cells. Scientific Reports, 2018, 8, 5776. | 3.3 | 34 |
| 26 | Genetics meets DNA methylation in rare diseases. Clinical Genetics, 2019, 95, 210-220. | 2.0 | 32 |
| 27 | Dnmt3b Prefers Germ Line Genes and Centromeric Regions: Lessons from the ICF Syndrome and Cancer and Implications for Diseases. Biology, 2014, 3, 578-605. | 2.8 | 30 |
| 28 | Identification of potentially new bifunctional RNA based on genome-wide data-mining of alternative splicing events. Biochimie, 2011, 93, 2024-2027. | 2.6 | 26 |
| 29 | Subtelomeric methylation distinguishes between subtypes of Immunodeficiency, Centromeric instability and Facial anomalies syndrome. Human Molecular Genetics, 2018, 27, 3568-3581. | 2.9 | 26 |
| 30 | Germline genes hypomethylation and expression define a molecular signature in peripheral blood of ICF patients: implications for diagnosis and etiology. Orphanet Journal of Rare Diseases, 2014, 9, 56. | 2.7 | 25 |
| 31 | BRCA1 prevents R-loop-associated centromeric instability. Cell Death and Disease, 2021, 12, 896. | 6.3 | 24 |
| 32 | Short intron-derived ncRNAs. Nucleic Acids Research, 2017, 45, gkw1341. | 14.5 | 22 |
| 33 | DNA methylation in satellite repeats disorders. Essays in Biochemistry, 2019, 63, 757-771. | 4.7 | 22 |
| 34 | CDCA7 and HELLS suppress DNA:RNA hybrid-associated DNA damage at pericentromeric repeats. Scientific Reports, 2020, 10, 17865. | 3.3 | 21 |
| 35 | Preferential association of irreversibly silenced E2F-target genes with pericentromeric heterochromatin in differentiated muscle cells. Epigenetics, 2010, 5, 704-709. | 2.7 | 18 |
| 36 | Chromatin Modifications in Hematopoietic Multipotent and Committed Progenitors Are Independent of Gene Subnuclear Positioning Relative to Repressive Compartments. Stem Cells, 2009, 27, 108-115. | 3.2 | 14 |

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|---|---|---|---|
| 37 | c-Jun inhibits NF-E2 transcriptional activity in association with p18/maf in Friend erythroleukemia cells. Oncogene, 1997, 14, 873-877. | 5.9 | 13 |
| 38 | Identification of a dinucleotide signature that discriminates coding from non-coding long RNAs. Frontiers in Genetics, 2014, 5, 316. | 2.3 | 6 |
| 39 | A new method for the identification of thousands of circular RNAs. Non-coding RNA Investigation, 0, 2, 5-5. | 0.6 | 6 |
| 40 | Interplay between Histone and DNA Methylation Seen through Comparative Methylomes in Rare Mendelian Disorders. International Journal of Molecular Sciences, 2021, 22, 3735. | 4.1 | 6 |
| 41 | Multiple information carried by RNAs: total eclipse or a light at the end of the tunnel?. RNA Biology, 2020, 17, 1707-1720. | 3.1 | 5 |
| 42 | Regulation of telomeric function by DNA methylation differs between humans and mice. Human Molecular Genetics, 2020, 29, 3197-3210. | 2.9 | 4 |
| 43 | Centromeres Transcription and Transcripts for Better and for Worse. Progress in Molecular and Subcellular Biology, 2021, 60, 169-201. | 1.6 | 4 |
| 44 | Proteasome inhibition alters mitotic progression through the upregulation of centromeric Î±â€satellite RNAs. FEBS Journal, 2021, , . | 4.7 | 3 |
| 45 | Coding or non-coding: Need they be exclusive?. Biochimie, 2011, 93, vi-vii. | 2.6 | 2 |
| 46 | â€œPocket-sized RNA-Seqâ€: A Method to Capture New Mature microRNA Produced from a Genomic Region of Interest. Non-coding RNA, 2015, 1, 127-138. | 2.6 | 2 |
| 47 | The Non-Coding RNA Journal Club: Highlights on Recent Papersâ€”2. Non-coding RNA, 2015, 1, 167-169. | 2.6 | 0 |
| 48 | The Non-Coding RNA Journal Club: Highlights on Recent Papersâ€”3. Non-coding RNA, 2015, 1, 285-288. | 2.6 | 0 |
| 49 | Systematic Identification and Functional Validation of New snoRNAs in Human Muscle Progenitors. Non-coding RNA, 2021, 7, 56. | 2.6 | 0 |
| 50 | Petits ARNs non codants dans la DM1Â: nouveaux candidats vecteurs de dÃ©fauts dâ€™Ã©pissage. Les Cahiers De Myologie, 2019, , 38-39. | 0.0 | 0 |