Claire Francastel

List of Publications by Year
in descending order

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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	Centromeres Transcription and Transcripts for Better and for Worse. Progress in Molecular and Subcellular Biology, 2021, 60, 169-201.	1.6	4
2	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
3	Systematic Identification and Functional Validation of New snoRNAs in Human Muscle Progenitors. Non-coding RNA, 2021, 7, 56.	2.6	0
4	BRCA1 prevents R-loop-associated centromeric instability. Cell Death and Disease, 2021, 12, 896.	6.3	24
5	Proteasome inhibition alters mitotic progression through the upregulation of centromeric Î±â€satellite RNAs. FEBS Journal, 2021, , .	4.7	3
6	CDCA7 and HELLS suppress DNA:RNA hybrid-associated DNA damage at pericentromeric repeats. Scientific Reports, 2020, 10, 17865.	3.3	21
7	Regulation of telomeric function by DNA methylation differs between humans and mice. Human Molecular Genetics, 2020, 29, 3197-3210.	2.9	4
8	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
9	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
10	Genetics meets DNA methylation in rare diseases. Clinical Genetics, 2019, 95, 210-220.	2.0	32
11	DNA methylation in satellite repeats disorders. Essays in Biochemistry, 2019, 63, 757-771.	4.7	22
12	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
13	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
14	Contrasting epigenetic states of heterochromatin in the different types of mouse pluripotent stem cells. Scientific Reports, 2018, 8, 5776.	3.3	34
15	Coding and Non-coding RNAs, the Frontier Has Never Been So Blurred. Frontiers in Genetics, 2018, 9, 140.	2.3	43
16	Subtelomeric methylation distinguishes between subtypes of Immunodeficiency, Centromeric instability and Facial anomalies syndrome. Human Molecular Genetics, 2018, 27, 3568-3581.	2.9	26
17	CDCA7 and HELLS mutations undermine nonhomologous end joining in centromeric instability syndrome. Journal of Clinical Investigation, 2018, 129, 78-92.	8.2	62
18	Short intron-derived ncRNAs. Nucleic Acids Research, 2017, 45, gkw1341.	14.5	22

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19	Telomeres in ICF syndrome cells are vulnerable to DNA damage due to elevated DNA:RNA hybrids. Nature Communications, 2017, 8, 14015.	12.8	96
20	CENP-A chromatin disassembly in stressed and senescent murine cells. Scientific Reports, 2017, 7, 42520.	3.3	38
21	ICF-specific DNMT3B dysfunction interferes with intragenic regulation of mRNA transcription and alternative splicing. Nucleic Acids Research, 2017, 45, 5739-5756.	14.5	42
22	Genetic, Cellular and Clinical Features of ICF Syndrome: a French National Survey. Journal of Clinical Immunology, 2016, 36, 149-159.	3.8	48
23	The Non-Coding RNA Journal Club: Highlights on Recent Papersâ€”2. Non-coding RNA, 2015, 1, 167-169.	2.6	0
24	The Non-Coding RNA Journal Club: Highlights on Recent Papersâ€”3. Non-coding RNA, 2015, 1, 285-288.	2.6	0
25	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
26	Mammalian Introns: When the Junk Generates Molecular Diversity. International Journal of Molecular Sciences, 2015, 16, 4429-4452.	4.1	50
27	Mutations in CDCA7 and HELLS cause immunodeficiencyâ€“centromeric instabilityâ€“facial anomalies syndrome. Nature Communications, 2015, 6, 7870.	12.8	148
28	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
29	Identification of a dinucleotide signature that discriminates coding from non-coding long RNAs. Frontiers in Genetics, 2014, 5, 316.	2.3	6
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	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
32	When one is better than two: RNA with dual functions. Biochimie, 2011, 93, 633-644.	2.6	96
33	Identification of potentially new bifunctional RNA based on genome-wide data-mining of alternative splicing events. Biochimie, 2011, 93, 2024-2027.	2.6	26
34	Coding or non-coding: Need they be exclusive?. Biochimie, 2011, 93, vi-vii.	2.6	2
35	Maintenance of DNA methylation: Dnmt3b joins the dance. Epigenetics, 2011, 6, 1373-1377.	2.7	50
36	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

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37	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
38	Preferential association of irreversibly silenced E2F-target genes with pericentromeric heterochromatin in differentiated muscle cells. Epigenetics, 2010, 5, 704-709.	2.7	18
39	Non-coding murine centromeric transcripts associate with and potentiate Aurora B kinase. Nucleic Acids Research, 2009, 37, 5071-5080.	14.5	126
40	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
41	Lymphoid-affiliated genes are associated with active histone modifications in human hematopoietic stem cells. Blood, 2008, 112, 2722-2729.	1.4	34
42	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
43	MafG Sumoylation Is Required for Active Transcriptional Repression. Molecular and Cellular Biology, 2006, 26, 4652-4663.	2.3	49
44	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
45	Nuclear compartmentalization and gene activity. Nature Reviews Molecular Cell Biology, 2000, 1, 137-143.	37.0	276
46	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
47	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
48	A Functional Enhancer Suppresses Silencing of a Transgene and Prevents Its Localization Close to Centromeric Heterochromatin. Cell, 1999, 99, 259-269.	28.9	241
49	c-Jun inhibits NF-E2 transcriptional activity in association with p18/maf in Friend erythroleukemia cells. Oncogene, 1997, 14, 873-877.	5.9	13
50	A new method for the identification of thousands of circular RNAs. Non-coding RNA Investigation, 0, 2, 5-5.	0.6	6