

Frédéric Catez

List of Publications by Year in descending order

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Version: 2024-02-01

45
papers

4,257
citations

201674

27
h-index

243625

44
g-index

52
all docs

52
docs citations

52
times ranked

6067
citing authors

#	ARTICLE	IF	CITATIONS
1	The Role of Dynamin-Related Protein 1, a Mediator of Mitochondrial Fission, in Apoptosis. <i>Developmental Cell</i> , 2001, 1, 515-525.	7.0	1,564
2	p53 Acts as a Safeguard of Translational Control by Regulating Fibrillarin and rRNA Methylation in Cancer. <i>Cancer Cell</i> , 2013, 24, 318-330.	16.8	246
3	Network of Dynamic Interactions between Histone H1 and High-Mobility-Group Proteins in Chromatin. <i>Molecular and Cellular Biology</i> , 2004, 24, 4321-4328.	2.3	239
4	The Dynamics of Histone H1 Function in Chromatin. <i>Molecular Cell</i> , 2005, 17, 617-620.	9.7	208
5	Evidence for rRNA 2- ⁶ -O-methylation plasticity: Control of intrinsic translational capabilities of human ribosomes. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017, 114, 12934-12939.	7.1	197
6	Determinants of histone H1 mobility and chromatin binding in living cells. <i>Nature Structural and Molecular Biology</i> , 2006, 13, 305-310.	8.2	147
7	Competition between histone H1 and HMGN proteins for chromatin binding sites. <i>EMBO Reports</i> , 2002, 3, 760-766.	4.5	125
8	Activation of ATM depends on chromatin interactions occurring before induction of DNA damage. <i>Nature Cell Biology</i> , 2009, 11, 92-96.	10.3	123
9	Chromosomal Protein HMGN1 Modulates Histone H3 Phosphorylation. <i>Molecular Cell</i> , 2004, 15, 573-584.	9.7	117
10	Ribosome biogenesis: An emerging druggable pathway for cancer therapeutics. <i>Biochemical Pharmacology</i> , 2019, 159, 74-81.	4.4	109
11	2- ⁶ -O-Methylation of Ribosomal RNA: Towards an Epitranscriptomic Control of Translation?. <i>Biomolecules</i> , 2018, 8, 106.	4.0	88
12	Ribosomal Proteins Regulate MHC Class I Peptide Generation for Immunosurveillance. <i>Molecular Cell</i> , 2019, 73, 1162-1173.e5.	9.7	81
13	HSV-1 Genome Subnuclear Positioning and Associations with Host-Cell PML-NBs and Centromeres Regulate LAT Locus Transcription during Latency in Neurons. <i>PLoS Pathogens</i> , 2012, 8, e1002852.	4.7	74
14	Increased Tumorigenicity and Sensitivity to Ionizing Radiation upon Loss of Chromosomal Protein HMGN1. <i>Cancer Research</i> , 2005, 65, 6711-6718.	0.9	71
15	p53, a translational regulator: contribution to its tumour-suppressor activity. <i>Oncogene</i> , 2015, 34, 5513-5523.	5.9	71
16	Down-Regulation of Nucleosomal Binding Protein HMGN1 Expression during Embryogenesis Modulates Sox9 Expression in Chondrocytes. <i>Molecular and Cellular Biology</i> , 2006, 26, 592-604.	2.3	61
17	Binding and interplay of HMG proteins on chromatin: Lessons from live cell imaging. <i>Biochimica Et Biophysica Acta - Gene Regulatory Mechanisms</i> , 2010, 1799, 15-27.	1.9	56
18	The interferon stimulated gene 20 protein (ISG20) is an innate defense antiviral factor that discriminates self versus non-self translation. <i>PLoS Pathogens</i> , 2019, 15, e1008093.	4.7	50

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19	Emerging Role of Eukaryote Ribosomes in Translational Control. <i>International Journal of Molecular Sciences</i> , 2019, 20, 1226.	4.1	49
20	Delineation of the Protein Module That Anchors HMGN Proteins to Nucleosomes in the Chromatin of Living Cells. <i>Molecular and Cellular Biology</i> , 2008, 28, 2872-2883.	2.3	47
21	A novel cell response triggered by interphase centromere structural instability. <i>Journal of Cell Biology</i> , 2007, 177, 757-768.	5.2	42
22	Ribosomal RNA 2â€²O-methylation as a novel layer of inter-tumour heterogeneity in breast cancer. <i>NAR Cancer</i> , 2020, 2, zcaa036.	3.1	40
23	Unique Motif for Nucleolar Retention and Nuclear Export Regulated by Phosphorylation. <i>Molecular and Cellular Biology</i> , 2002, 22, 1126-1139.	2.3	34
24	Ribosome heterogeneity in tumorigenesis: the rRNA point of view. <i>Molecular and Cellular Oncology</i> , 2015, 2, e983755.	0.7	34
25	Mitotic Phosphorylation of Chromosomal Protein HMGN1 Inhibits Nuclear Import and Promotes Interaction with 14.3.3 Proteins. <i>Molecular and Cellular Biology</i> , 2002, 22, 6809-6819.	2.3	32
26	HMGN dynamics and chromatin function. <i>Biochemistry and Cell Biology</i> , 2003, 81, 113-122.	2.0	32
27	Cell Cycle-dependent Binding of HMGN Proteins to Chromatin. <i>Molecular Biology of the Cell</i> , 2008, 19, 1816-1824.	2.1	32
28	Deletion 6q Drives T-cell Leukemia Progression by Ribosome Modulation. <i>Cancer Discovery</i> , 2018, 8, 1614-1631.	9.4	30
29	Ribosome Biogenesis Alterations in Colorectal Cancer. <i>Cells</i> , 2020, 9, 2361.	4.1	28
30	Centromere Architecture Breakdown Induced by the Viral E3 Ubiquitin Ligase ICPO Protein of Herpes Simplex Virus Type 1. <i>PLoS ONE</i> , 2012, 7, e44227.	2.5	27
31	Expression Profiling of Ribosome Biogenesis Factors Reveals Nucleolin as a Novel Potential Marker to Predict Outcome in AML Patients. <i>PLoS ONE</i> , 2017, 12, e0170160.	2.5	25
32	Translational reprogramming of colorectal cancer cells induced by 5-fluorouracil through a miRNA-dependent mechanism. <i>Oncotarget</i> , 2017, 8, 46219-46233.	1.8	25
33	Alteration of ribosome function upon 5-fluorouracil treatment favors cancer cell drug-tolerance. <i>Nature Communications</i> , 2022, 13, 173.	12.8	23
34	A novel view on an old drug, 5-fluorouracil: an unexpected RNA modifier with intriguing impact on cancer cell fate. <i>NAR Cancer</i> , 2021, 3, zcab032.	3.1	22
35	Preparation and Functional Analysis of HMGN Proteins. <i>Methods in Enzymology</i> , 2003, 375, 323-342.	1.0	21
36	Influence of testosterone on regulation of ODC, antizyme, and N1-SSAT gene expression in mouse kidney. <i>American Journal of Physiology - Renal Physiology</i> , 2003, 285, F498-F506.	2.7	16

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37	Study of intracellular anabolism of 5-fluorouracil and incorporation in nucleic acids based on an LC-HRMS method. <i>Journal of Pharmaceutical Analysis</i> , 2021, 11, 77-87.	5.3	16
38	Ribosomes: the future of targeted therapies?. <i>Oncotarget</i> , 2013, 4, 1554-1555.	1.8	11
39	Low level of Fibrillarin, a ribosome biogenesis factor, is a new independent marker of poor outcome in breast cancer. <i>BMC Cancer</i> , 2022, 22, 526.	2.6	10
40	DHX30 Coordinates Cytoplasmic Translation and Mitochondrial Function Contributing to Cancer Cell Survival. <i>Cancers</i> , 2021, 13, 4412.	3.7	9
41	Detection of the Genome and Transcripts of a Persistent DNA Virus in Neuronal Tissues by Fluorescent <i>In situ</i> Hybridization Combined with Immunostaining. <i>Journal of Visualized Experiments</i> , 2014, , e51091.	0.3	7
42	Ribosomal RNA Methylation and Cancer. , 2015, , 115-139.		4
43	Uncovering the Translational Regulatory Activity of the Tumor Suppressor BRCA1. <i>Cells</i> , 2020, 9, 941.	4.1	3
44	Externalized Keratin 8: A Target at the Interface of Microenvironment and Intracellular Signaling in Colorectal Cancer Cells. <i>Cancers</i> , 2018, 10, 452.	3.7	2
45	Proffered Paper: The rRNA epigenetic hypothesis: role of ribosome heterogeneity in tumorigenesis. <i>European Journal of Cancer</i> , 2016, 61, S3.	2.8	0