Lucio Comai

List of Publications by Year
in descending order

50 papers	2,796 citations	201385 27 h-index	197535 49 g-index
232 all docs	232 docs citations	232 times ranked	3172 citing authors

#	Article	IF	Citations
1	SARS-CoV-2 couples evasion of inflammatory response to activated nucleotide synthesis. Proceedings of the National Academy of Sciences of the United States of America, 2022, 119, .	3.3	13
2	Mbnl1 and Mbnl2 regulate brain structural integrity in mice. Communications Biology, 2021, 4, 1342.	2.0	6
3	WRN modulates translation by influencing nuclear mRNA export in HeLa cancer cells. BMC Molecular and Cell Biology, 2020, 21, 71.	1.0	4
4	Measurements of Hydrogen Peroxide and Oxidative DNA Damage in a Cell Model of Premature Aging. Methods in Molecular Biology, 2020, 2144, 245-257.	0.4	4
5	The Werner Syndrome Helicase Coordinates Sequential Strand Displacement and FEN1-Mediated Flap Cleavage during Polymerase Î´ Elongation. Molecular and Cellular Biology, 2017, 37, .	1.1	6
6	Muscleblind-like 3 deficit results in a spectrum of age-associated pathologies observed in myotonic dystrophy. Scientific Reports, 2016, 6, 30999.	1.6	19
7	Recent advances in understanding the role of lamins in health and disease. F1000Research, 2016, 5, 2536.	0.8	10
8	Loss of muscleblind-like 1 results in cardiac pathology and persistence of embryonic splice isoforms. Scientific Reports, 2015, 5, 9042.	1.6	69
9	Muscleblind-Like 1 and Muscleblind-Like 3 Depletion Synergistically Enhances Myotonia by Altering Clc-1 RNA Translation. EBioMedicine, 2015, 2, 1034-1047.	2.7	14
10	Downregulation of the W erner syndrome protein induces a metabolic shift that compromises redox homeostasis and limits proliferation of cancer cells. Aging Cell, 2014, 13, 367-378.	3.0	28
11	Lamin A, farnesylation and aging. Experimental Cell Research, 2012, 318, 1-7.	1.2	85
12	RNA Splicing Is Responsive to MBNL1 Dose. PLoS ONE, 2012, 7, e48825.	1.1	30
13	A filtering strategy identifies FOXQ1 as a potential effector of lamin A dysfunction. Aging, 2012, 4, 567-577.	1.4	8
14	RNA steadyâ€state defects in myotonic dystrophy are linked to nuclear exclusion of SHARP. EMBO Reports, 2011, 12, 735-742.	2.0	20
15	Accumulation of distinct prelamin A variants in human diploid fibroblasts differentially affects cell homeostasis. Experimental Cell Research, 2011, 317, 319-329.	1.2	17
16	Expanded CUG Repeats Dysregulate RNA Splicing by Altering the Stoichiometry of the Muscleblind 1 Complex. Journal of Biological Chemistry, 2011, 286, 38427-38438.	1.6	58
17	Cell cycle-regulated association between the Werner syndrome protein and its molecular partners. Cell Cycle, 2011, 10, 2038-2040.	1.3	1
18	Depletion of Ku70/80 reduces the levels of extrachromosomal telomeric circles and inhibits proliferation of ALT cells. Aging, 2011, 3, 395-406.	1.4	29

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19	Hepatitis C Virus Inhibits DNA Damage Repair through Reactive Oxygen and Nitrogen Species and by Interfering with the ATM-NBS1/Mre11/Rad50 DNA Repair Pathway in Monocytes and Hepatocytes. Journal of Immunology, 2010, 185, 6985-6998.	0.4	84
20	Processing of human telomeres by the Werner syndrome protein. Cell Cycle, 2010, 9, 3137-3138.	1.3	6
21	Altered Nuclear Functions in Progeroid Syndromes: a Paradigm for Aging Research. Scientific World Journal, The, 2009, 9, 1449-1462.	0.8	7
22	Regulation of Lymphoid Tyrosine Phosphatase Activity: Inhibition of the Catalytic Domain by the Proximal Interdomain. Biochemistry, 2009, 48, 7525-7532.	1.2	18
23	Sequence-specific processing of telomeric 3' overhangs by the Werner syndrome protein exonuclease activity. Aging, 2009, 1, 289-302.	1.4	18
24	Perturbation of wildâ€type lamin A metabolism results in a progeroid phenotype. Aging Cell, 2008, 7, 355-367.	3.0	41
25	WRN Controls Formation of Extrachromosomal Telomeric Circles and Is Required for TRF2^{Î”B}-Mediated Telomere Shortening. Molecular and Cellular Biology, 2008, 28, 1892-1904.	1.1	66
26	Longevity mutation in SCH9 prevents recombination errors and premature genomic instability in a Werner/Bloom model system. Journal of Cell Biology, 2008, 180, 67-81.	2.3	64
27	Cytoplasmic CUG RNA Foci Are Insufficient to Elicit Key DM1 Features. PLoS ONE, 2008, 3, e3968.	1.1	39
28	Mass spectrometric identification of phosphorylation sites of rRNA transcription factor upstream binding factor. American Journal of Physiology - Cell Physiology, 2007, 292, C1617-C1624.	2.1	9
29	Interaction of musleblind, CUG-BP1 and hnRNP H proteins in DM1-associated aberrant IR splicing. EMBO Journal, 2006, 25, 4271-4283.	3.5	135
30	CK2-mediated stimulation of Pol I transcription by stabilization of UBFâ€“SL1 interaction. Nucleic Acids Research, 2006, 34, 4752-4766.	6.5	44
31	PTEN Represses RNA Polymerase I Transcription by Disrupting the SL1 Complex. Molecular and Cellular Biology, 2005, 25, 6899-6911.	1.1	100
32	MBNL1 Is the Primary Determinant of Focus Formation and Aberrant Insulin Receptor Splicing in DM1. Journal of Biological Chemistry, 2005, 280, 5773-5780.	1.6	183
33	Modifications of both selectivity factor and upstream binding factor contribute to poliovirus-mediated inhibition of RNA polymerase I transcription. Journal of General Virology, 2005, 86, 2315-2322.	1.3	37
34	Direct Regulation of rRNA Transcription by Fibroblast Growth Factor 2. Molecular and Cellular Biology, 2005, 25, 9419-9426.	1.1	36
35	A conserved and species-specific functional interaction between the Werner syndrome-like exonuclease atWEX and the Ku heterodimer in Arabidopsis. Nucleic Acids Research, 2005, 33, 6861-6867.	6.5	22
36	Identification and Biochemical Characterization of a Werner's Syndrome Protein Complex with Ku70/80 and Poly(ADP-ribose) Polymerase-1. Journal of Biological Chemistry, 2004, 279, 13659-13667.	1.6	129

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37	Mechanism of RNA Polymerase I Transcription. Advances in Protein Chemistry, 2004, 67, 123-155.	4.4	25
38	The Werner syndrome protein at the crossroads of DNA repair and apoptosis. Mechanisms of Ageing and Development, 2004, 125, 521-528.	2.2	37
39	Coimmunoprecipitation Assay for the Detection of Kinase-Substrate Interactions. , 2003, 218, 277-284.		0
40	Displacement of DNA-PKcs from DNA ends by the Werner syndrome protein. Nucleic Acids Research, 2002, 30, 3653-3661.	6.5	59
41	The Cell Cycle Regulatory Factor TAF1 Stimulates Ribosomal DNA Transcription by Binding to the Activator UBF. Current Biology, 2002, 12, 2142-2146.	1.8	33
42	Regulation of the Akt/Glycogen synthase kinase-3 axis by insulin-like growth factor-II via activation of the human insulin receptor isoform-A. Journal of Cellular Biochemistry, 2001, 82, 610-618.	1.2	26
43	Requirements for the Nucleolytic Processing of DNA Ends by the Werner Syndrome Protein-Ku70/80 Complex. Journal of Biological Chemistry, 2001, 276, 9896-9902.	1.6	92
44	Repression of RNA Polymerase I Transcription by the Tumor Suppressor p53. Molecular and Cellular Biology, 2000, 20, 5930-5938.	1.1	244
45	Functional Interaction between Ku and the Werner Syndrome Protein in DNA End Processing. Journal of Biological Chemistry, 2000, 275, 28349-28352.	1.6	184
46	A Kinase Activity Associated with Simian Virus 40 Large T Antigen Phosphorylates Upstream Binding Factor (UBF) and Promotes Formation of a Stable Initiation Complex between UBF and SL1. Molecular and Cellular Biology, 1999, 19, 2791-2802.	1.1	27
47	Recruitment of TATA-Binding Proteinâ€“TAF_I Complex SL1 to the Human Ribosomal DNA Promoter Is Mediated by the Carboxy-Terminal Activation Domain of Upstream Binding Factor (UBF) and Is Regulated by UBF Phosphorylation. Molecular and Cellular Biology, 1999, 19, 2872-2879.	1.1	79
48	Expression of a Brassica napus Malate Synthase Gene in Transgenic Tomato Plants during the Transition from Late Embryogeny to Germination. Plant Physiology, 1992, 98, 53-61.	2.3	18
49	The TATA-binding protein and associated factors are integral components of the RNA polymerase I transcription factor, SL1. Cell, 1992, 68, 965-976.	13.5	450
50	Spatially regulated genes expressed during seed germination and postgerminative development are activated during embryogeny. Molecular Genetics and Genomics, 1988, 212, 466-473.	2.4	63