

Stefano Cacchione

List of Publications by Year in descending order

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37
papers

947
citations

361413

20
h-index

454955

30
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39
all docs

39
docs citations

39
times ranked

1033
citing authors

#	ARTICLE	IF	CITATIONS
1	Chromatin Structure in Telomere Dynamics. <i>Frontiers in Oncology</i> , 2013, 3, 46.	2.8	72
2	Periodical polydeoxynucleotides and DNA curvature. <i>Biochemistry</i> , 1989, 28, 8706-8713.	2.5	62
3	Nucleosome Assembly on Telomeric Sequences. <i>Biochemistry</i> , 1998, 37, 6727-6737.	2.5	62
4	Verrocchio, a Drosophila OB fold-containing protein, is a component of the terminin telomere-capping complex. <i>Genes and Development</i> , 2010, 24, 1596-1601.	5.9	61
5	In vitro low propensity to form nucleosomes of four telomeric sequences. <i>FEBS Letters</i> , 1997, 400, 37-41.	2.8	58
6	Telomeric Nucleosomes Are Intrinsically Mobile. <i>Journal of Molecular Biology</i> , 2007, 369, 1153-1162.	4.2	48
7	The main role of the sequence-dependent DNA elasticity in determining the free energy of nucleosome formation on telomeric DNAs. <i>Biophysical Chemistry</i> , 2000, 83, 223-237.	2.8	40
8	TRF2 Controls Telomeric Nucleosome Organization in a Cell Cycle Phase-Dependent Manner. <i>PLoS ONE</i> , 2012, 7, e34386.	2.5	38
9	AKTIP/Ft1, a New Shelterin-Interacting Factor Required for Telomere Maintenance. <i>PLoS Genetics</i> , 2015, 11, e1005167.	3.5	38
10	Specific interactions of the telomeric protein rap1p with nucleosomal binding sites. <i>Journal of Molecular Biology</i> , 2001, 306, 903-913.	4.2	35
11	Loss of Human TGS1 Hypermethylase Promotes Increased Telomerase RNA and Telomere Elongation. <i>Cell Reports</i> , 2020, 30, 1358-1372.e5.	6.4	34
12	The Human Telomeric Protein TRF1 Specifically Recognizes Nucleosomal Binding Sites and Alters Nucleosome Structure. <i>Journal of Molecular Biology</i> , 2006, 360, 377-385.	4.2	31
13	The human telomeric protein hTRF1 induces telomere-specific nucleosome mobility. <i>Nucleic Acids Research</i> , 2010, 38, 2247-2255.	14.5	31
14	TRF1 and TRF2 binding to telomeres is modulated by nucleosomal organization. <i>Nucleic Acids Research</i> , 2015, 43, 5824-5837.	14.5	31
15	Emerging roles of telomeric chromatin alterations in cancer. <i>Journal of Experimental and Clinical Cancer Research</i> , 2019, 38, 21.	8.6	30
16	Silence at the End: How Drosophila Regulates Expression and Transposition of Telomeric Retroelements. <i>Journal of Molecular Biology</i> , 2020, 432, 4305-4321.	4.2	29
17	Self-organization of G-quadruplex structures in the hTERT core promoter stabilized by polyaminic side chain perylene derivatives. <i>Biophysical Chemistry</i> , 2010, 153, 43-53.	2.8	26
18	AFM imaging and theoretical modeling studies of sequence-dependent nucleosome positioning. <i>Biophysical Chemistry</i> , 2006, 124, 81-89.	2.8	24

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19	WDR79/TCAB1 plays a conserved role in the control of locomotion and ameliorates phenotypic defects in SMA models. <i>Neurobiology of Disease</i> , 2017, 105, 42-50.	4.4	22
20	Perylene and coronene derivatives binding to G-rich promoter oncogene sequences efficiently reduce their expression in cancer cells. <i>Biochimie</i> , 2016, 125, 223-231.	2.6	21
21	A role for Separase in telomere protection. <i>Nature Communications</i> , 2016, 7, 10405.	12.8	20
22	The Drosophila telomere-capping protein Verrocchio binds single-stranded DNA and protects telomeres from DNA damage response. <i>Nucleic Acids Research</i> , 2017, 45, 3068-3085.	14.5	19
23	Organization of telomeric nucleosomes: atomic force microscopy imaging and theoretical modeling. <i>FEBS Letters</i> , 2004, 566, 131-135.	2.8	18
24	Acetylated nucleosome assembly on telomeric DNAs. <i>Biophysical Chemistry</i> , 2003, 104, 381-392.	2.8	14
25	Design and synthesis of a new dimeric xanthone derivative: enhancement of G-quadruplex selectivity and telomere damage. <i>Organic and Biomolecular Chemistry</i> , 2014, 12, 9572-9582.	2.8	14
26	Selective binding of actinomycin D induces a reversible conformational transition of nucleosomes. <i>Biochimica Et Biophysica Acta Gene Regulatory Mechanisms</i> , 1986, 867, 229-233.	2.4	11
27	Effect of space flight on the behavior of human retinal pigment epithelial ARPE-19 cells and evaluation of coenzyme Q10 treatment. <i>Cellular and Molecular Life Sciences</i> , 2021, 78, 7795-7812.	5.4	11
28	TGS1 mediates 2,2,7-trimethyl guanosine capping of the human telomerase RNA to direct telomerase dependent telomere maintenance. <i>Nature Communications</i> , 2022, 13, 2302.	12.8	11
29	Different superstructural features of the complexes between spermine and the light responsive elements of the two pea genes rbcS-3A and rbcS-3.6. Gel electrophoresis and circular dichroism studies. <i>Biophysical Chemistry</i> , 1992, 44, 99-112.	2.8	9
30	Different superstructural features of the light responsive elements of the pea genes rbcS-3A and rbcS-3.6. <i>FEBS Letters</i> , 1991, 289, 244-248.	2.8	6
31	Evidence for a quadruplex structure in the polymorphic hs1.2 enhancer of the immunoglobulin heavy chain 3' regulatory regions and its conservation in mammals. <i>Biopolymers</i> , 2016, 105, 768-778.	2.4	6
32	Different flexibility of the upstream regulatory regions of two differently expressed pea rbcS genes studied by theoretical evaluation of DNA distortion energy and cyclization kinetics. <i>FEBS Letters</i> , 1993, 336, 293-298.	2.8	3
33	The Coenzyme Q10 (CoQ10) as Countermeasure for Retinal Damage Onboard the International Space Station: the CORM Project. <i>Microgravity Science and Technology</i> , 2018, 30, 925-931.	1.4	3
34	Intimate functional interactions between TGS1 and the Smn complex revealed by an analysis of the Drosophila eye development. <i>PLoS Genetics</i> , 2020, 16, e1008815.	3.5	3
35	The S-adenosylmethionine analog sinefungin inhibits the trimethylguanosine synthase TGS1 to promote telomerase activity and telomere lengthening. <i>FEBS Letters</i> , 2021, , .	2.8	3
36	Multiple nucleosome positioning with unique rotational phasing on multimers of the light-responsive elements of pea rbcS-3A and rbcS-3.6 genes: comparison between experimental and theoretical mapping. <i>Biophysical Chemistry</i> , 1997, 67, 151-158.	2.8	2

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37	Atomic Force Reveals that the Telomere-Capping Protein Verrocchio Is a Single-Stranded DNA-Binding Protein. <i>Methods in Molecular Biology</i> , 2021, 2281, 241-263.	0.9	0