Andres Joaquin Lopez-Contreras

List of Publications by Year
in descending order

50 papers	2,653 citations	218662 26 h-index	197805 49 g-index
55 all docs	55 docs citations	55 times ranked	4883 citing authors

#	Article	IF	Citations
1	Exploiting oncogene-induced replicative stress for the selective killing of Myc-driven tumors. Nature Structural and Molecular Biology, 2011, 18, 1331-1335.	8.2	342
2	BRCA1 Functions Independently of Homologous Recombination in DNA Interstrand Crosslink Repair. Molecular Cell, 2012, 46, 125-135.	9.7	228
3	Genetic insights into biological mechanisms governing human ovarian ageing. Nature, 2021, 596, 393-397.	27.8	183
4	Cyclin-Dependent Kinase Inhibitor p21 Controls Adult Neural Stem Cell Expansion by Regulating Sox2 Gene Expression. Cell Stem Cell, 2013, 12, 88-100.	11.1	164
5	The ATR barrier to replication-born DNA damage. DNA Repair, 2010, 9, 1249-1255.	2.8	123
6	USP7 is a SUMO deubiquitinase essential for DNA replication. Nature Structural and Molecular Biology, 2016, 23, 270-277.	8.2	117
7	A Proteomic Characterization of Factors Enriched at Nascent DNA Molecules. Cell Reports, 2013, 3, 1105-1116.	6.4	110
8	An extra allele of Chk1 limits oncogene-induced replicative stress and promotes transformation. Journal of Experimental Medicine, 2012, 209, 455-461.	8.5	101
9	DNA Damage Signaling Instructs Polyploid Macrophage Fate in Granulomas. Cell, 2016, 167, 1264-1280.e18.	28.9	94
10	Class switching and meiotic defects in mice lacking the E3 ubiquitin ligase RNF8. Journal of Experimental Medicine, 2010, 207, 973-981.	8.5	92
11	Replication stress caused by low MCM expression limits fetal erythropoiesis and hematopoietic stem cell functionality. Nature Communications, 2015, 6, 8548.	12.8	92
12	Limiting replication stress during somatic cell reprogramming reduces genomic instability in induced pluripotent stem cells. Nature Communications, 2015, 6, 8036.	12.8	84
13	Functional diversity for REST (NRSF) is defined by in vivo binding affinity hierarchies at the DNA sequence level. Genome Research, 2009, 19, 994-1005.	5.5	73
14	Histone H2A C-Terminus Regulates Chromatin Dynamics, Remodeling, and Histone H1 Binding. PLoS Genetics, 2010, 6, e1001234.	3.5	73
15	Efficacy of ATR inhibitors as single agents in Ewing sarcoma. Oncotarget, 2016, 7, 58759-58767.	1.8	59
16	Mouse Ornithine Decarboxylase-like Gene Encodes an Antizyme Inhibitor Devoid of Ornithine and Arginine Decarboxylating Activity. Journal of Biological Chemistry, 2006, 281, 30896-30906.	3.4	55
17	Increased Rrm2 gene dosage reduces fragile site breakage and prolongs survival of ATR mutant mice. Genes and Development, 2015, 29, 690-695.	5.9	51
18	A Synthetic Lethal Interaction between APC/C and Topoisomerase Poisons Uncovered by Proteomic Screens. Cell Reports, 2014, 6, 670-683.	6.4	48

#	Article	IF	Citations
19	ATR expands embryonic stem cell fate potential in response to replication stress. ELife, 2020, 9, .	6.0	37
20	Influence of Ovarian Ornithine Decarboxylase in Folliculogenesis and Luteinization. Endocrinology, 2005, 146, 666-674.	2.8	36
21	Protecting or promoting effects of spermine on DNA strand breakage induced by iron or copper ions as a function of metal concentration. Journal of Inorganic Biochemistry, 2005, 99, 2074-2080.	3.5	34
22	Sexual dimorphism of ornithine decarboxylase in the mouse adrenal: influence of polyamine deprivation on catecholamine and corticoid levels. American Journal of Physiology - Endocrinology and Metabolism, 2007, 292, E1010-E1017.	3.5	34
23	Antizyme Inhibitor 2 (AZIN2/ODCp) Stimulates Polyamine Uptake in Mammalian Cells. Journal of Biological Chemistry, 2008, 283, 20761-20769.	3.4	34
24	Loss of PICH Results in Chromosomal Instability, p53 Activation, and Embryonic Lethality. Cell Reports, 2018, 24, 3274-3284.	6.4	34
25	Antizyme inhibitor 2: molecular, cellular and physiological aspects. Amino Acids, 2010, 38, 603-611.	2.7	32
26	Molecular and Morphological Changes in Placenta and Embryo Development Associated with the Inhibition of Polyamine Synthesis during Midpregnancy in Mice. Endocrinology, 2008, 149, 5012-5023.	2.8	28
27	Proteomic characterization of chromosomal common fragile site (CFS)-associated proteins uncovers ATRX as a regulator of CFS stability. Nucleic Acids Research, 2019, 47, 8004-8018.	14.5	25
28	Differential expression of ornithine decarboxylase antizyme inhibitors and antizymes in rodent tissues and human cell lines. Amino Acids, 2012, 42, 539-547.	2.7	24
29	Proteomics Reveals Global Regulation of Protein SUMOylation by ATM and ATR Kinases during Replication Stress. Cell Reports, 2017, 21, 546-558.	6.4	24
30	Expression of antizyme inhibitor 2 in male haploid germinal cells suggests a role in spermiogenesis. International Journal of Biochemistry and Cell Biology, 2009, 41, 1070-1078.	2.8	22
31	Subcellular localization of antizyme inhibitor 2 in mammalian cells: Influence of intrinsic sequences and interaction with antizymes. Journal of Cellular Biochemistry, 2009, 107, 732-740.	2.6	21
32	<scp>TIAR</scp> marks nuclear G2/M transition granules and restricts <scp>CDK</scp> 1 activity under replication stress. EMBO Reports, 2019, 20, .	4.5	18
33	Antizyme Inhibitor 2 Hypomorphic Mice. New Patterns of Expression in Pancreas and Adrenal Glands Suggest a Role in Secretory Processes. PLoS ONE, 2013, 8, e69188.	2.5	17
34	INK4a/ARF limits the expansion of cells suffering from replication stress. Cell Cycle, 2013, 12, 1948-1954.	2.6	16
35	Opposite sexual dimorphism of 3,4-dihydroxyphenylalanine decarboxylase in the kidney and small intestine of mice. Journal of Endocrinology, 2008, 196, 615-624.	2.6	15
36	Fos-dependent induction of Chk1 protects osteoblasts from replication stress. Cell Cycle, 2014, 13, 1980-1986.	2.6	13

#	Article	IF	Citations
37	Structural and degradative aspects of ornithine decarboxylase antizyme inhibitor 2. FEBS Open Bio, 2014, 4, 510-521.	2.3	12
38	Modeling the Study of DNA Damage Responses in Mice. Methods in Molecular Biology, 2015, 1267, 413-437.	0.9	12
39	New insights of polyamine metabolism in testicular physiology: A role of ornithine decarboxylase antizyme inhibitor 2 (AZIN2) in the modulation of testosterone levels and sperm motility. PLoS ONE, 2018, 13, e0209202.	2.5	11
40	Influence of ornithine decarboxylase antizymes and antizyme inhibitors on agmatine uptake by mammalian cells. Amino Acids, 2015, 47, 1025-1034.	2.7	10
41	A Single Conserved Residue Mediates Binding of the Ribonucleotide Reductase Catalytic Subunit RRM1 to RRM2 and Is Essential for Mouse Development. Molecular and Cellular Biology, 2015, 35, 2910-2917.	2.3	9
42	The mouse Gm853 gene encodes a novel enzyme: Leucine decarboxylase. Biochimica Et Biophysica Acta - General Subjects, 2018, 1862, 365-376.	2.4	8
43	Mutational analysis of the antizyme-binding element reveals critical residues for the function of ornithine decarboxylase. Biochimica Et Biophysica Acta - General Subjects, 2013, 1830, 5157-5165.	2.4	6
44	The induction of cardiac ornithine decarboxylase by Î²₂â€adrenergic agents is associated with calcium channels and phosphorylation of ERK1/2. Journal of Cellular Biochemistry, 2013, 114, 1978-1986.	2.6	6
45	ATRX-Deficient High-Grade Glioma Cells Exhibit Increased Sensitivity to RTK and PDGFR Inhibitors. Cancers, 2022, 14, 1790.	3.7	6
46	A simple DNA recombination screening method by RT-PCR as an alternative to Southern blot. Transgenic Research, 2017, 26, 429-434.	2.4	3
47	Chromosome instability: From molecular mechanisms to disease. DNA Repair, 2018, 66-67, 72-75.	2.8	1
48	Class switching and meiotic defects in mice lacking the E3 ubiquitin ligase RNF8. Journal of Cell Biology, 2010, 189, i5-i5.	5.2	0
49	An extra allele of Chk1 limits oncogene-induced replicative stress and promotes transformation. Journal of Cell Biology, 2012, 196, i7-i7.	5.2	0
50	Supraphysiological protection from replication stress does not extend mammalian lifespan. Aging, 2020, 12, 5612-5624.	3.1	0