JosÃ© M P Freije

List of Publications by Year
in descending order

96 papers	11,531 citations	46918 47 h-index	40881 93 g-index
98 all docs	98 docs citations	98 times ranked	15476 citing authors

#	Article	IF	Citations
1	Ubiquitin-specific proteases as targets for anticancer drug therapies. , 2020, , 73-120.		2
2	Healthspan and lifespan extension by fecal microbiota transplantation into progeroid mice. Nature Medicine, 2019, 25, 1234-1242.	15.2	352
3	Development of a CRISPR/Cas9-based therapy for Hutchinsonâ€“Gilford progeria syndrome. Nature Medicine, 2019, 25, 423-426.	15.2	115
4	Loss of the deubiquitinase USP36 destabilizes the RNA helicase DHX33 and causes preimplantation lethality in mice. Journal of Biological Chemistry, 2018, 293, 2183-2194.	1.6	30
5	Protease Silencing to Explore the Molecular Mechanisms of Cancer and Aging. Methods in Molecular Biology, 2018, 1731, 261-269.	0.4	0
6	The microRNA-29/PGC1Î± regulatory axis is critical for metabolic control of cardiac function. PLoS Biology, 2018, 16, e2006247.	2.6	42
7	Methionine Restriction Extends Lifespan in Progeroid Mice and Alters Lipid and Bile Acid Metabolism. Cell Reports, 2018, 24, 2392-2403.	2.9	125
8	USP39 Deubiquitinase Is Essential for KRAS Oncogene-driven Cancer. Journal of Biological Chemistry, 2017, 292, 4164-4175.	1.6	37
9	Functional Relevance of Deubiquitinases in Life and Disease. , 2017, , 355-382.		1
10	Deubiquitination in cancer stem cells. Aging, 2017, 9, 297-298.	1.4	2
11	Metabolic Control of Longevity. Cell, 2016, 166, 802-821.	13.5	591
12	NF-ÎºB signaling as a driver of ageing. International Review of Cell and Molecular Biology, 2016, 326, 133-174.	1.6	55
13	The novel tumor suppressor AIRAPL regulates IGF1R proteostasis. Cell Cycle, 2016, 15, 873-874.	1.3	1
14	Loss of the proteostasis factor AIRAPL causes myeloid transformation by deregulating IGF-1 signaling. Nature Medicine, 2016, 22, 91-96.	15.2	37
15	Interruption of progerinâ€“lamin A/C binding ameliorates Hutchinson-Gilford progeria syndrome phenotype. Journal of Clinical Investigation, 2016, 126, 3879-3893.	3.9	76
16	The deubiquitinase USP54 is overexpressed in colorectal cancer stem cells and promotes intestinal tumorigenesis. Oncotarget, 2016, 7, 74427-74434.	0.8	34
17	Nuclear DICKKOPF-1 as a biomarker of chemoresistance and poor clinical outcome in colorectal cancer. Oncotarget, 2015, 6, 5903-5917.	0.8	35
18	NF-ÎºB activation impairs somatic cell reprogramming in ageing. Nature Cell Biology, 2015, 17, 1004-1013.	4.6	91

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19	Loss of GLUT4 Induces Metabolic Reprogramming and Impairs Viability of Breast Cancer Cells. Journal of Cellular Physiology, 2015, 230, 191-198.	2.0	67
20	Nuclear Envelope Lamin-A Couples Actin Dynamics with Immunological Synapse Architecture and T Cell Activation. Science Signaling, 2014, 7, ra37.	1.6	81
21	Luminescence-based in vivo monitoring of NF-ÎºB activity through a gene delivery approach. Cell Communication and Signaling, 2013, 11, 19.	2.7	10
22	Mutational analysis of BRCA1 and BRCA2 in hereditary breast and ovarian cancer families from Asturias (Northern Spain). BMC Cancer, 2013, 13, 243.	1.1	40
23	Prelamin A causes progeria through cell-extrinsic mechanisms and prevents cancer invasion. Nature Communications, 2013, 4, 2268.	5.8	63
24	Detection of Nuclear Envelope Alterations in Senescence. Methods in Molecular Biology, 2013, 965, 243-251.	0.4	3
25	Functional analysis of sucraseâ€“isomaltase mutations from chronic lymphocytic leukemia patients. Human Molecular Genetics, 2013, 22, 2273-2282.	1.4	25
26	Matrix Metalloproteinase Mmp-1a Is Dispensable for Normal Growth and Fertility in Mice and Promotes Lung Cancer Progression by Modulating Inflammatory Responses. Journal of Biological Chemistry, 2013, 288, 14647-14656.	1.6	44
27	ATG4B/autophagin-1 regulates intestinal homeostasis and protects mice from experimental colitis. Autophagy, 2013, 9, 1188-1200.	4.3	81
28	Identification of novel tumor suppressor proteases by degradome profiling of colorectal carcinomas. Oncotarget, 2013, 4, 1919-1932.	0.8	12
29	Identification of novel tumor suppressor proteases by degradome profiling of colorectal carcinomas. Oncotarget, 2013, 4, 1919-1932.	0.8	1
30	Nuclear lamina defects cause ATM-dependent NF-ÎºB activation and link accelerated aging to a systemic inflammatory response. Genes and Development, 2012, 26, 2311-2324.	2.7	224
31	Deubiquitinases in cancer: new functions and therapeutic options. Oncogene, 2012, 31, 2373-2388.	2.6	401
32	Reprogramming aging and progeria. Current Opinion in Cell Biology, 2012, 24, 757-764.	2.6	41
33	Exome sequencing identifies recurrent mutations of the splicing factor SF3B1 gene in chronic lymphocytic leukemia. Nature Genetics, 2012, 44, 47-52.	9.4	893
34	NF-ÎºB in premature aging. Aging, 2012, 4, 726-727.	1.4	29
35	Whole-genome sequencing identifies recurrent mutations in chronic lymphocytic leukaemia. Nature, 2011, 475, 101-105.	13.7	1,364
36	Cell autonomous and systemic factors in progeria development. Biochemical Society Transactions, 2011, 39, 1710-1714.	1.6	20

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37	Protease addiction and synthetic lethality in cancer. Frontiers in Oncology, 2011, 1, 25.	1.3	17
38	Aging and chronic DNA damage response activate a regulatory pathway involving miR-29 and p53. EMBO Journal, 2011, 30, 2219-2232.	3.5	216
39	Proteomic Profiling of Adipose Tissue from Zmpste24â^'/â^' Mice, a Model of Lipodystrophy and Premature Aging, Reveals Major Changes in Mitochondrial Function and Vimentin Processing. Molecular and Cellular Proteomics, 2011, 10, M111.008094.	2.5	56
40	Exome Sequencing and Functional Analysis Identifies BANF1 Mutation as the Cause of a Hereditary Progeroid Syndrome. American Journal of Human Genetics, 2011, 88, 650-656.	2.6	189
41	Germ-line mutations in epidermal growth factor receptor (EGFR) are rare but may contribute to oncogenesis: A novel germ-line mutation in EGFR detected in a patient with lung adenocarcinoma. BMC Cancer, 2011, 11, 172.	1.1	27
42	Lamins, guardians of the soma and the genome. Cell Cycle, 2011, 10, 3236-3236.	1.3	2
43	A conserved splicing mechanism of the LMNA gene controls premature aging. Human Molecular Genetics, 2011, 20, 4540-4555.	1.4	77
44	Splicing-Directed Therapy in a New Mouse Model of Human Accelerated Aging. Science Translational Medicine, 2011, 3, 106ra107.	5.8	334
45	Nuclear envelope alterations generate an agingâ€like epigenetic pattern in mice deficient in Zmpste24 metalloprotease. Aging Cell, 2010, 9, 947-957.	3.0	50
46	Insulin-like growth factor 1 treatment extends longevity in a mouse model of human premature aging by restoring somatotroph axis function. Proceedings of the National Academy of Sciences of the United States of America, 2010, 107, 16268-16273.	3.3	124
47	Autophagy is essential for mouse sense of balance. Journal of Clinical Investigation, 2010, 120, 2331-2344.	3.9	167
48	Cystatin D is a candidate tumor suppressor gene induced by vitamin D in human colon cancer cells. Journal of Clinical Investigation, 2009, 119, 2343-2358.	3.9	96
49	Accelerated ageing: from mechanism to therapy through animal models. Transgenic Research, 2009, 18, 7-15.	1.3	41
50	Combined treatment with statins and aminobisphosphonates extends longevity in a mouse model of human premature aging. Nature Medicine, 2008, 14, 767-772.	15.2	355
51	Microcephalia with mandibular and dental dysplasia in adult Zmpste24â€deficient mice. Journal of Anatomy, 2008, 213, 509-519.	0.9	14
52	Nuclear envelope defects cause stem cell dysfunction in premature-aging mice. Journal of Cell Biology, 2008, 181, 27-35.	2.3	160
53	Premature aging in mice activates a systemic metabolic response involving autophagy induction. Human Molecular Genetics, 2008, 17, 2196-2211.	1.4	141
54	Nuclear envelope defects cause stem cell dysfunction in premature-aging mice. Journal of Experimental Medicine, 2008, 205, i10-i10.	4.2	0

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55	Human progeroid syndromes, aging and cancer: new genetic and epigenetic insights into old questions. Cellular and Molecular Life Sciences, 2007, 64, 155-170.	2.4	77
56	A functional link between the tumour suppressors ARF and p33ING1. Oncogene, 2006, 25, 5173-5179.	2.6	36
57	Accelerated ageing in mice deficient in Zmpste24 protease is linked to p53 signalling activation. Nature, 2005, 437, 564-568.	13.7	438
58	Loss of ZMPSTE24 (FACE-1) causes autosomal recessive restrictive dermopathy and accumulation of Lamin A precursors. Human Molecular Genetics, 2005, 14, 1503-1513.	1.4	258
59	From Immature Lamin to Premature Aging: Molecular Pathways and Therapeutic Opportunities. Cell Cycle, 2005, 4, 1732-1735.	1.3	31
60	Protein Kinase C Î¸ Is Highly Expressed in Gastrointestinal Stromal Tumors But Not in Other Mesenchymal Neoplasias. Clinical Cancer Research, 2004, 10, 4089-4095.	3.2	128
61	AtFACE-2, a functional Prenylated Protein Protease from Arabidopsis thaliana Related to Mammalian Ras-converting Enzymes. Journal of Biological Chemistry, 2003, 278, 42091-42097.	1.6	46
62	Identification, functional expression and enzymic analysis of two distinct CaaX proteases from Caenorhabditis elegans. Biochemical Journal, 2003, 370, 1047-1054.	1.7	28
63	Matrix Metalloproteinases and Tumor Progression. Advances in Experimental Medicine and Biology, 2003, 532, 91-107.	0.8	134
64	Defective prelamin A processing and muscular and adipocyte alterations in Zmpste24 metalloproteinaseâ€“deficient mice. Nature Genetics, 2002, 31, 94-99.	9.4	499
65	Membrane Type 4 Matrix Metalloproteinase (MMP17) Has Tumor Necrosis Factor-Î± Convertase Activity but Does Not Activate Pro-MMP2. Journal of Biological Chemistry, 2000, 275, 14046-14055.	1.6	195
66	ADAM 23/MDC3, a Human Disintegrin That Promotes Cell Adhesion via Interaction with the Î±vÎ²3 Integrin through an RGD-independent Mechanism. Molecular Biology of the Cell, 2000, 11, 1457-1469.	0.9	118
67	An overview of collagenase-3 expression in malignant tumors and analysis of its potential value as a target in antitumor therapies. Clinica Chimica Acta, 2000, 291, 137-155.	0.5	78
68	Collagenase-3 Binds to a Specific Receptor and Requires the Low Density Lipoprotein Receptor-related Protein for Internalization. Journal of Biological Chemistry, 1999, 274, 30087-30093.	1.6	109
69	Evaluation of Some Newer Matrix Metalloproteinases. Annals of the New York Academy of Sciences, 1999, 878, 25-39.	1.8	90
70	Expression and regulation of collagenaseâ€3 (MMPâ€13) in human malignant tumors. Apmis, 1999, 107, 45-53.	0.9	77
71	Identification and Chromosomal Location of Two Human Genes Encoding Enzymes Potentially Involved in Proteolytic Maturation of Farnesylated Proteins. Genomics, 1999, 58, 270-280.	1.3	55
72	Identification and characterization of human MT5-MMP, a new membrane-bound activator of progelatinase a overexpressed in brain tumors. Cancer Research, 1999, 59, 2570-6.	0.4	184

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73	Differential Effects of Transforming Growth Factor-Î² on the Expression of Collagenase-1 and Collagenase-3 in Human Fibroblasts. Journal of Biological Chemistry, 1998, 273, 9769-9777.	1.6	176
74	Site-directed Mutation of Nm23-H1. Journal of Biological Chemistry, 1997, 272, 5525-5532.	1.6	125
75	Nm23/PuF Does Not Directly Stimulate Transcription through the CT Element in Vivo. Journal of Biological Chemistry, 1997, 272, 22526-22530.	1.6	40
76	Identification of compounds with preferential inhibitory activity against low-Nm23-expressing human breast carcinoma and melanoma cell lines. Nature Medicine, 1997, 3, 395-401.	15.2	42
77	Site-directed Mutagenesis of nm23-H1. Journal of Biological Chemistry, 1996, 271, 25107-25116.	1.6	119
78	Differential Gene Expression in Tumor Metastasis: Nm23. Current Topics in Microbiology and Immunology, 1996, 213 (Pt 2), 215-232.	0.7	16
79	Mapping and Sequence of the Gene Encoding Protein pl7, a Major African Swine Fever Virus Structural Protein. Virology, 1995, 206, 1140-1144.	1.1	25
80	Chromosomal mapping and nucleotide sequence of two tandem repeats of Atlantic salmon 5S rDNA. Cytogenetic and Genome Research, 1994, 67, 31-36.	0.6	278
81	Cloning and expression analysis of the cDNA encoding rat Zn-Î±2-grycoprotein. Gene, 1994, 145, 245-249.	1.0	7
82	Mapping of the human Zn-α₂-glycoprotein gene (AZGP1) to chromosome 7q22 by in situ hybridization. Cytogenetic and Genome Research, 1994, 66, 263-266.	0.6	23
83	Molecular cloning and expression of collagenase-3, a novel human matrix metalloproteinase produced by breast carcinomas. Journal of Biological Chemistry, 1994, 269, 16766-73.	1.6	546
84	A sequence variation in the human cystatin D gene resulting in an amino acid (Cys/Arg) polymorphism at the protein level. Human Genetics, 1993, 90, 668-9.	1.8	17
85	Structure and expression inE. coli of the gene coding for protein p10 of African swine fever virus. Archives of Virology, 1993, 130, 93-107.	0.9	27
86	Human Zn- Î± 2 -glycoprotein: Complete genomic sequence, identification of a related pseudogene and relationship to class I major histocompatibility complex genes. Genomics, 1993, 18, 575-587.	1.3	32
87	High-level expression in Escherichia coli of the gene coding for the major structural protein (p72) of African swine fever virus. Gene, 1993, 123, 259-262.	1.0	12
88	Nucleotide sequence of a nucleoside triphosphate phosphohydrolase gene from African swine fever virus. Virus Research, 1993, 30, 63-72.	1.1	8
89	Localization of the human cystatin D gene (CST5) to chromosome 20p11.21 by in situ hybridization. Cytogenetic and Genome Research, 1993, 62, 29-31.	0.6	16
90	A gene homologous to topoisomerase II in African swine fever virus. Virology, 1992, 188, 938-947.	1.1	51

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91	A Streptomyces glaucescens endodeoxyribonuclease which shows a strong preference for CC dinucleotide. FEBS Journal, 1992, 205, 695-699.	0.2	3
92	Amino acid sequence and structural properties of protein p12, an African swine fever virus attachment protein. Journal of Virology, 1992, 66, 3860-3868.	1.5	31
93	Human Zn-Î±2-glycoprotein cDNA cloning and expression analysis in benign and malignant breast tissues. FEBS Letters, 1991, 290, 247-249.	1.3	39
94	Apolipoprotein D is the major protein component in cyst fluid from women with human breast gross cystic disease. Biochemical Journal, 1990, 271, 803-807.	1.7	107
95	Mapping and sequence of the gene coding for protein p72, the major capsid protein of african swine fever virus. Virology, 1990, 175, 477-484.	1.1	72
96	Predict7, a program for protein structure prediction. Biochemical and Biophysical Research Communications, 1989, 159, 687-693.	1.0	45