Brigitte Buendia

List of Publications by Year
in descending order

30 papers	2,100 citations	331538 21 h-index	477173 29 g-index
30 all docs	30 docs citations	30 times ranked	2370 citing authors

#	Article	IF	Citations
1	Structural analysis of the ternary complex between lamin A/C, BAF and emerin identifies an interface disrupted in autosomal recessive progeroid diseases. Nucleic Acids Research, 2018, 46, 10460-10473.	6.5	54
2	Chrom3D: three-dimensional genome modeling from Hi-C and nuclear lamin-genome contacts. Genome Biology, 2017, 18, 21.	3.8	159
3	Distinct Fiber Type Signature in Mouse Muscles Expressing a Mutant Lamin A Responsible for Congenital Muscular Dystrophy in a Patient. Cells, 2017, 6, 10.	1.8	4
4	A Novel Lamin A Mutant Responsible for Congenital Muscular Dystrophy Causes Distinct Abnormalities of the Cell Nucleus. PLoS ONE, 2017, 12, e0169189.	1.1	32
5	Purification and Structural Analysis of LEM-Domain Proteins. Methods in Enzymology, 2016, 569, 43-61.	0.4	7
6	In Situ Detection of Interactions Between Nuclear Envelope Proteins and Partners. Methods in Molecular Biology, 2016, 1411, 147-158.	0.4	6
7	The transcription coactivator ASC-1 is a regulator of skeletal myogenesis, and its deficiency causes a novel form of congenital muscle disease. Human Molecular Genetics, 2016, 25, 1559-1573.	1.4	25
8	LMNA p.R482W mutation related to FPLD2 alters SREBP1-A type lamin interactions in human fibroblasts and adipose stem cells. Orphanet Journal of Rare Diseases, 2015, 10, .	1.2	1
9	Distinct features of lamin A-interacting chromatin domains mapped by ChIP-sequencing from sonicated or micrococcal nuclease-digested chromatin. Nucleus, 2015, 6, 30-39.	0.6	71
10	The p.R482W substitution in A-type lamins deregulates SREBP1 activity in Dunnigan-type familial partial lipodystrophy. Human Molecular Genetics, 2015, 24, 2096-2109.	1.4	57
11	Muscular Dystrophy Mutations Impair the Nuclear Envelope Emerin Self-assembly Properties. ACS Chemical Biology, 2015, 10, 2733-2742.	1.6	16
12	Clinical significance of autoantibodies to the pericentromeric heterochromatin protein 1a protein. European Journal of Internal Medicine, 2013, 24, 868-871.	1.0	4
13	Lamin A/C-promoter interactions specify chromatin stateâ€“dependent transcription outcomes. Genome Research, 2013, 23, 1580-1589.	2.4	157
14	Subcellular localization of SREBP1 depends on its interaction with the C-terminal region of wild-type and disease related A-type lamins. Experimental Cell Research, 2011, 317, 2800-2813.	1.2	43
15	Loss of a DNA binding site within the tail of prelamin A contributes to altered heterochromatin anchorage by progerin. FEBS Letters, 2010, 584, 2999-3004.	1.3	45
16	Impaired nuclear functions lead to increased senescence and inefficient differentiation in human myoblasts with a dominant p.R545C mutation in the LMNA gene. European Journal of Cell Biology, 2009, 88, 593-608.	1.6	29
17	Differentiation of C2C12 myoblasts expressing lamin A mutated at a site responsible for Emeryâ€“Dreifuss muscular dystrophy is improved by inhibition of the MEKâ€“ERK pathway and stimulation of the PI3-kinase pathway. Experimental Cell Research, 2008, 314, 1392-1405.	1.2	35
18	Expression of the myodystrophic R453W mutation of lamin A in C2C12 myoblasts causes promoter-specific and global epigenetic defects. Experimental Cell Research, 2008, 314, 1869-1880.	1.2	40

#	Article	IF	Citations
19	The truncated prelamin A in Hutchinsonâ€“Gilford progeria syndrome alters segregation of A-type and B-type lamin homopolymers. Human Molecular Genetics, 2006, 15, 1113-1122.	1.4	106
20	Expression of a Mutant Lamin A That Causes Emery-Dreifuss Muscular Dystrophy Inhibits In Vitro Differentiation of C2C12 Myoblasts. Molecular and Cellular Biology, 2004, 24, 1481-1492.	1.1	142
21	Expression of Lamin A Mutated in the Carboxyl-Terminal Tail Generates an Aberrant Nuclear Phenotype Similar to That Observed in Cells from Patients with Dunnigan-Type Partial Lipodystrophy and Emery-Dreifuss Muscular Dystrophy. Experimental Cell Research, 2003, 282, 14-23.	1.2	106
22	Immunolocalization of HP1 proteins in metaphasic mammalian chromosomes. , 2001, 23, 171-174.		28
23	Nuclear envelope disorganization in fibroblasts from lipodystrophic patients with heterozygous R482Q/W mutations in the lamin A/C gene. Journal of Cell Science, 2001, 114, 4459-4468.	1.2	219
24	Localization and phosphorylation of HP1 proteins during the cell cycle in mammalian cells. Chromosoma, 1999, 108, 220-234.	1.0	311
25	Tobacco BY-2 cell-free extracts induce the recovery of microtubule nucleating activity of inactivated mammalian centrosomes. Biochimica Et Biophysica Acta - Molecular Cell Research, 1999, 1449, 101-106.	1.9	14
26	Retinoic Acid Induction of Nuclear Envelope-Limited Chromatin Sheets in HL-60. Experimental Cell Research, 1998, 245, 91-104.	1.2	55
27	Domain-Specific Disassembly and Reassembly of Nuclear Membranes during Mitosis. Experimental Cell Research, 1997, 230, 133-144.	1.2	83
28	Reconstruction of the Centrosome Cycle from Cryoelectron Micrographs. Journal of Structural Biology, 1997, 120, 117-133.	1.3	119
29	The core of the mammalian centriole contains Î³-tubulin. Current Biology, 1995, 5, 1384-1393.	1.8	110
30	Ribosomal protein phosphorylation in vivo and in vitro by vaccinia virus. FEBS Journal, 1987, 162, 95-103.	0.2	22