MarÃa Teresa Berciano

List of Publications by Year
in descending order

93 papers	3,673 citations	136950 32 h-index	149698 56 g-index
93 all docs	93 docs citations	93 times ranked	4665 citing authors

#	Article	IF	Citations
1	Dynamic association of RNA-editing enzymes with the nucleolus. Journal of Cell Science, 2003, 116, 1805-1818.	2.0	231
2	Residual Cajal bodies in coilin knockout mice fail to recruit Sm snRNPs and SMN, the spinal muscular atrophy gene product. Journal of Cell Biology, 2001, 154, 293-308.	5.2	211
3	The Spinal Muscular Atrophy Disease Gene Product, Smn. Journal of Cell Biology, 1999, 147, 715-728.	5.2	205
4	Clastosome: A Subtype of Nuclear Body Enriched in 19S and 20S Proteasomes, Ubiquitin, and Protein Substrates of Proteasome. Molecular Biology of the Cell, 2002, 13, 2771-2782.	2.1	121
5	Vitamin D regulates the phenotype of human breast cancer cells. Differentiation, 2007, 75, 193-207.	1.9	116
6	Distinct Utilization of Effectors and Biological Outcomes Resulting from Site-Specific Ras Activation: Ras Functions in Lipid Rafts and Golgi Complex Are Dispensable for Proliferation and Transformation. Molecular and Cellular Biology, 2006, 26, 100-116.	2.3	110
7	Glucocorticoids Antagonize Ap-1 by Inhibiting the Activation/Phosphorylation of Jnk without Affecting Its Subcellular Distribution. Journal of Cell Biology, 2000, 150, 1199-1208.	5.2	105
8	Neuronal body size correlates with the number of nucleoli and Cajal bodies, and with the organization of the splicing machinery in rat trigeminal ganglion neurons. Journal of Comparative Neurology, 2001, 430, 250-263.	1.6	104
9	Differences on the Inhibitory Specificities of H-Ras, K-Ras, and N-Ras (N17) Dominant Negative Mutants Are Related to Their Membrane Microlocalization. Journal of Biological Chemistry, 2003, 278, 4572-4581.	3.4	102
10	RhoAâ€"ROCK and p38MAPK-MSK1 mediate vitamin D effects on gene expression, phenotype, and Wnt pathway in colon cancer cells. Journal of Cell Biology, 2008, 183, 697-710.	5.2	102
11	Ras Subcellular Localization Defines Extracellular Signal-Regulated Kinase 1 and 2 Substrate Specificity through Distinct Utilization of Scaffold Proteins. Molecular and Cellular Biology, 2009, 29, 1338-1353.	2.3	100
12	Activation of H-Ras in the Endoplasmic Reticulum by the RasGRF Family Guanine Nucleotide Exchange Factors. Molecular and Cellular Biology, 2004, 24, 1516-1530.	2.3	87
13	Cellular Plasticity Confers Migratory and Invasive Advantages to a Population of Glioblastoma-Initiating Cells that Infiltrate Peritumoral Tissue. Stem Cells, 2013, 31, 1075-1085.	3.2	83
14	Fulminant Guillain-Barrï¿½ Syndrome with universal inexcitability of peripheral nerves: A clinicopathological study. , 1997, 20, 846-857.		81
15	Targeting of CTCF to the nucleolus inhibits nucleolar transcription through a poly(ADP-ribosyl)ation-dependent mechanism. Journal of Cell Science, 2006, 119, 1746-1759.	2.0	75
16	Bortezomib Induces the Formation of Nuclear poly(A) RNA Granules Enriched in Sam68 and PABPN1 in Sensory Ganglia Neurons. Neurotoxicity Research, 2010, 17, 167-178.	2.7	71
17	Blockade of Epidermal Growth Factor Receptors Chemosensitizes Breast Cancer Cells through Up-Regulation of Bnip3L. Cancer Research, 2005, 65, 8151-8157.	0.9	68
18	TDP-43 localizes in mRNA transcription and processing sites in mammalian neurons. Journal of Structural Biology, 2009, 167, 235-241.	2.8	68

#	Article	IF	Citations
19	Proximal nerve lesions in early Guillainâ€“BarrÃ© syndrome: implications for pathogenesis and disease classification. Journal of Neurology, 2017, 264, 221-236.	3.6	67
20	Spinal nerve involvement in early Guillainâ€“BarrÃ© syndrome: A clinico-electrophysiological, ultrasonographic and pathological study. Clinical Neurophysiology, 2015, 126, 810-819.	1.5	62
21	Oculopharyngeal muscular dystrophy-like nuclear inclusions are present in normal magnocellular neurosecretory neurons of the hypothalamus. Human Molecular Genetics, 2004, 13, 829-838.	2.9	58
22	Nucleolar Disruption and Cajal Body Disassembly are Nuclear Hallmarks of DNA Damageâ€Induced Neurodegeneration in Purkinje Cells. Brain Pathology, 2011, 21, 374-388.	4.1	55
23	Cajalâ€™s contribution to the knowledge of the neuronal cell nucleus. Chromosoma, 2009, 118, 437-443.	2.2	51
24	Cajal body number and nucleolar size correlate with the cell body mass in human sensory ganglia neurons. Journal of Structural Biology, 2007, 158, 410-420.	2.8	50
25	Mxi2 promotes stimulus-independent ERK nuclear translocation. EMBO Journal, 2007, 26, 635-646.	7.8	48
26	Age-induced hypertrophy of astrocytes in rat supraoptic nucleus: A cytological, morphometric, and immunocytochemical study. The Anatomical Record, 1995, 243, 129-144.	1.8	43
27	Purkinje Cell Degeneration in pcd Mice Reveals Large Scale Chromatin Reorganization and Gene Silencing Linked to Defective DNA Repair. Journal of Biological Chemistry, 2011, 286, 28287-28302.	3.4	43
28	Neuroprotective Effect of Bexarotene in the SOD1G93A Mouse Model of Amyotrophic Lateral Sclerosis. Frontiers in Cellular Neuroscience, 2015, 9, 250.	3.7	43
29	Targeting SMN to Cajal bodies and nuclear gems during neuritogenesis. Chromosoma, 2004, 112, 398-409.	2.2	42
30	Hsp70 Chaperones and Type I PRMTs Are Sequestered at Intranuclear Inclusions Caused by Polyalanine Expansions in PABPN1. PLoS ONE, 2009, 4, e6418.	2.5	42
31	Contribution of genetic and epigenetic mechanisms to Wnt pathway activity in prevalent skeletal disorders. Gene, 2013, 532, 165-172.	2.2	42
32	Reorganization of Cajal bodies and nucleolar targeting of coilin in motor neurons of type I spinal muscular atrophy. Histochemistry and Cell Biology, 2012, 137, 657-667.	1.7	39
33	Cajal bodies in neurons. RNA Biology, 2017, 14, 712-725.	3.1	37
34	Effect of ionizing radiation in sensory ganglion neurons: organization and dynamics of nuclear compartments of DNA damage/repair and their relationship with transcription and cell cycle. Acta Neuropathologica, 2011, 122, 481-493.	7.7	35
35	Pre-neurodegeneration of mitral cells in the pcd mutant mouse is associated with DNA damage, transcriptional repression, and reorganization of nuclear speckles and Cajal bodies. Molecular and Cellular Neurosciences, 2006, 33, 283-295.	2.2	31
36	The giant fibrillar center: A nucleolar structure enriched in upstream binding factor (UBF) that appears in transcriptionally more active sensory ganglia neurons. Journal of Structural Biology, 2007, 159, 451-461.	2.8	31

#	Article	IF	Citations
37	Proteasome inhibition induces DNA damage and reorganizes nuclear architecture and protein synthesis machinery in sensory ganglion neurons. Cellular and Molecular Life Sciences, 2014, 71, 1961-1975.	5.4	31
38	Nucleolar Disruption Ensures Nuclear Accumulation of p21 upon DNA Damage. Traffic, 2010, 11, 743-755.	2.7	29
39	Novel Snail1 Target Proteins in Human Colon Cancer Identified by Proteomic Analysis. PLoS ONE, 2010, 5, e10221.	2.5	29
40	Reactive nucleolar and Cajal body responses to proteasome inhibition in sensory ganglion neurons. Biochimica Et Biophysica Acta - Molecular Basis of Disease, 2014, 1842, 848-859.	3.8	26
41	Stress-Induced Activation of c-Jun N-Terminal Kinase in Sensory Ganglion Neurons: Accumulation in Nuclear Domains Enriched in Splicing Factors and Distribution in Perichromatin Fibrils. Experimental Cell Research, 2000, 256, 179-191.	2.6	25
42	Nucleolar targeting of coilin is regulated by its hypomethylation state. Chromosoma, 2010, 119, 527-540.	2.2	25
43	Nucleolar organization in granule cell neurons of the rat cerebellum. Journal of Neurocytology, 1989, 18, 19-26.	1.5	22
44	Structural and functional compartmentalization of the cell nucleus in supraoptic neurons. Microscopy Research and Technique, 2002, 56, 132-142.	2.2	21
45	PML bodies in reactive sensory ganglion neurons of the Guillainâ€"BarrÃ© syndrome. Neurobiology of Disease, 2004, 16, 158-168.	4.4	21
46	Chronic Alcohol Alters Dendritic Spine Development in Neurons in Primary Culture. Neurotoxicity Research, 2013, 24, 532-548.	2.7	21
47	Differential glial activation during the degeneration of Purkinje cells and mitral cells in the PCD mutant mice. Glia, 2013, 61, 254-272.	4.9	21
48	Compensatory Motor Neuron Response to Chromatolysis in the Murine hSOD1G93A Model of Amyotrophic Lateral Sclerosis. Frontiers in Cellular Neuroscience, 2014, 8, 346.	3.7	21
49	Retinoids and motor neuron disease: Potential role in amyotrophic lateral sclerosis. Journal of the Neurological Sciences, 2016, 360, 115-120.	0.6	21
50	Cellular bases of the RNA metabolism dysfunction in motor neurons of a murine model of spinal muscular atrophy: Role of Cajal bodies and the nucleolus. Neurobiology of Disease, 2017, 108, 83-99.	4.4	21
51	The PML-nuclear inclusion of human supraoptic neurons: a new compartment with SUMO-1- and ubiquitinâ€"proteasome-associated domains. Neurobiology of Disease, 2006, 21, 181-193.	4.4	20
52	ALS-derived fibroblasts exhibit reduced proliferation rate, cytoplasmic TDP-43 aggregation and a higher susceptibility to DNA damage. Journal of Neurology, 2020, 267, 1291-1299.	3.6	20
53	Necrosis of Schwann Cells During Tellurium-Induced Primary Demyelination: DNA Fragmentation, Reorganization of Splicing Machinery, and Formation of Intranuclear Rods of Actin. Journal of Neuropathology and Experimental Neurology, 1999, 58, 1234-1243.	1.7	19
54	Orphan Nuclear Bodies. Cold Spring Harbor Perspectives in Biology, 2010, 2, a000703-a000703.	5.5	19

#	Article	IF	Citations
55	Nuclear speckles are involved in nuclear aggregation of PABPN1 and in the pathophysiology of oculopharyngeal muscular dystrophy. Neurobiology of Disease, 2012, 46, 118-129.	4.4	19
56	The SMN Tudor SIM-like domain is key to SmD1 and coilin interactions and to Cajal body biogenesis. Journal of Cell Science, 2014, 127, 939-46.	2.0	19
57	Neuronal accumulation of unrepaired DNA in a novel specific chromatin domain: structural, molecular and transcriptional characterization. Acta Neuropathologica Communications, 2016, 4, 41.	5.2	19
58	MXD1 localizes in the nucleolus, binds UBF and impairs rRNA synthesis. Oncotarget, 2016, 7, 69536-69548.	1.8	19
59	Nuclear compartmentalization and dynamics of the poly(A)-binding protein nuclear 1 (PABPN1) inclusions in supraoptic neurons under physiological and osmotic stress conditions. Molecular and Cellular Neurosciences, 2008, 37, 622-633.	2.2	18
60	Characterization of a new SUMO-1 nuclear body (SNB) enriched in pCREB, CBP, c-Jun in neuron-like UR61 cells. Chromosoma, 2007, 116, 441-451.	2.2	17
61	Severe Guillainâ€BarrÃ© syndrome: sorting out the pathological hallmark in an electrophysiological axonal case. Journal of the Peripheral Nervous System, 2009, 14, 54-63.	3.1	17
62	Proteasome dynamics during cell cycle in rat Schwann cells. Glia, 2002, 38, 313-328.	4.9	16
63	Persistent accumulation of unrepaired DNA damage in rat cortical neurons: nuclear organization and ChIP-seq analysis of damaged DNA. Acta Neuropathologica Communications, 2018, 6, 68.	5.2	16
64	Nuclear compartmentalization in transcriptionally activated hypothalamic neurons. Biology of the Cell, 1993, 77, 143-154.	2.0	15
65	Formation of intranuclear crystalloids and proliferation of the smooth endoplasmic reticulum in schwann cells induced by tellurium treatment: Association with overexpression of HMG CoA reductase and HMG CoA synthase mRNA. , 2000, 29, 246-259.		15
66	Accumulation of poly(A) RNA in nuclear granules enriched in Sam68 in motor neurons from the SMNÎ”7 mouse model of SMA. Scientific Reports, 2018, 8, 9646.	3.3	15
67	cAMPâ€dependent reorganization of the Cajal bodies and splicing machinery in cultured Schwann cells. Glia, 2002, 40, 378-388.	4.9	14
68	Cerebellar alterations in a model of Down syndrome: The role of the Dyrk1A gene. Neurobiology of Disease, 2018, 110, 206-217.	4.4	14
69	The Childhood-Onset Neurodegeneration with Cerebellar Atrophy (CONDCA) Disease Caused by AGTPBP1 Gene Mutations: The Purkinje Cell Degeneration Mouse as an Animal Model for the Study of this Human Disease. Biomedicines, 2021, 9, 1157.	3.2	12
70	LPS-induced down-regulation of NO-sensitive guanylyl cyclase in astrocytes occurs by proteasomal degradation in clastosomes. Molecular and Cellular Neurosciences, 2008, 37, 494-506.	2.2	11
71	Relaunching an old drug: the potential role of bexarotene in neurodegenerative diseases. Journal of Neurology, 2016, 263, 177-178.	3.6	11
72	Epilepsia partialis continua in progressive multifocal leukoencephalopathy: A motor cortex isolation syndrome. Movement Disorders, 2003, 18, 1559-1564.	3.9	10

#	Article	IF	Citations
73	Generation and characterization of two immortalized human osteoblastic cell lines useful for epigenetic studies. Journal of Bone and Mineral Metabolism, 2017, 35, 150-160.	2.7	10
74	A Novel Pathway of TEF Regulation Mediated by MicroRNA-125b Contributes to the Control of Actin Distribution and Cell Shape in Fibroblasts. PLoS ONE, 2011, 6, e17169.	2.5	9
75	CBP-mediated SMN acetylation modulates Cajal body biogenesis and the cytoplasmic targeting of SMN. Cellular and Molecular Life Sciences, 2018, 75, 527-546.	5.4	9
76	Nuclear Reorganization in Hippocampal Granule Cell Neurons from a Mouse Model of Down Syndrome: Changes in Chromatin Configuration, Nucleoli and Cajal Bodies. International Journal of Molecular Sciences, 2021, 22, 1259.	4.1	9
77	Nucleolin reorganization and nucleolar stress in Purkinje cells of mutant PCD mice. Neurobiology of Disease, 2019, 127, 312-322.	4.4	8
78	Nusinersen ameliorates motor function and prevents motoneuron Cajal body disassembly and abnormal poly(A) RNA distribution in a SMA mouse model. Scientific Reports, 2020, 10, 10738.	3.3	8
79	Criteria for Guillainâ€“BarrÃ© syndrome: Additional insights from clinico-pathological studies. Clinical Neurophysiology, 2013, 124, 819-821.	1.5	7
80	Dynamic Behavior of the RNA Polymerase II and the Ubiquitin Proteasome System During the Neuronal DNA Damage Response to Ionizing Radiation. Molecular Neurobiology, 2016, 53, 6799-6808.	4.0	7
81	SUMO regulates p21Cip1 intracellular distribution and with p21Cip1 facilitates multiprotein complex formation in the nucleolus upon DNA damage. PLoS ONE, 2017, 12, e0178925.	2.5	7
82	Mislocalization of SMN from the I-band and M-band in human skeletal myofibers in spinal muscular atrophy associates with primary structural alterations of the sarcomere. Cell and Tissue Research, 2020, 381, 461-478.	2.9	7
83	Satellite Glial Cells of the Dorsal Root Ganglion: A New â€œGuest/Physiopathological Targetâ€• in ALS. Frontiers in Aging Neuroscience, 2020, 12, 595751.	3.4	7
84	Original descriptions of peroneal muscular atrophy. Muscle and Nerve, 2003, 28, 251-252.	2.2	6
85	Chronic Alcohol Exposure Decreases 53BP1 Protein Levels Leading to a Defective DNA Repair in Cultured Primary Cortical Neurons. Neurotoxicity Research, 2016, 29, 69-79.	2.7	6
86	Expression of apolipoprotein e in cholesterol-loaded macrophages of extrahepatic tissues during experimental hypercholesterolemia. Life Sciences, 1995, 56, 1865-1875.	4.3	5
87	Semithin cryosections as a tool to perform high resolution immunofluorescence and in situ hybridization analysis of the nervous tissue: a study in the supraoptic nucleus. Journal of Neuroscience Methods, 1997, 75, 137-145.	2.5	4
88	Cleared extrachromosomal domain (CED): a nuclear domain enriched in nuclear matrix filaments is a common structure in sturgeon podocytes. Histochemistry and Cell Biology, 2002, 118, 389-397.	1.7	3
89	Nerve ultrasonography in early Guillainâ€BarrÃ© syndrome: a need for large prospective studies. Journal of the Peripheral Nervous System, 2014, 19, 344-344.	3.1	3
90	Neuronal body size correlates with the number of nucleoli and Cajal bodies, and with the organization of the splicing machinery in rat trigeminal ganglion neurons. , 2001, 430, 250.		3

#	Article	IF	Citations
91	Non-homogeneous dispersion of graphene in polyacrylonitrile substrates induces a migrastatic response and epithelial-like differentiation in MCF7 breast cancer cells. Cancer Nanotechnology, 2022, 13, .	3.7	3
92	Reorganization of the nuclear compartments involved in transcription and RNA processing in myonuclei of type I spinal muscular atrophy. Histochemistry and Cell Biology, 2019, 152, 227-237.	1.7	2
93	Nuclear Signs of Pre-neurodegeneration. Methods in Molecular Biology, 2015, 1254, 43-54.	0.9	2