

MarÃ-a Teresa Berciano

List of Publications by Year in descending order

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93
papers

3,673
citations

136950

32
h-index

149698

56
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93
all docs

93
docs citations

93
times ranked

4665
citing authors

#	ARTICLE	IF	CITATIONS
1	Non-homogeneous dispersion of graphene in polyacrylonitrile substrates induces a migrastatic response and epithelial-like differentiation in MCF7 breast cancer cells. <i>Cancer Nanotechnology</i> , 2022, 13, .	3.7	3
2	Nuclear Reorganization in Hippocampal Granule Cell Neurons from a Mouse Model of Down Syndrome: Changes in Chromatin Configuration, Nucleoli and Cajal Bodies. <i>International Journal of Molecular Sciences</i> , 2021, 22, 1259.	4.1	9
3	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. <i>Biomedicines</i> , 2021, 9, 1157.	3.2	12
4	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. <i>Cell and Tissue Research</i> , 2020, 381, 461-478.	2.9	7
5	Satellite Glial Cells of the Dorsal Root Ganglion: A New Guest/Physiopathological Target in ALS. <i>Frontiers in Aging Neuroscience</i> , 2020, 12, 595751.	3.4	7
6	Nusinersen ameliorates motor function and prevents motoneuron Cajal body disassembly and abnormal poly(A) RNA distribution in a SMA mouse model. <i>Scientific Reports</i> , 2020, 10, 10738.	3.3	8
7	ALS-derived fibroblasts exhibit reduced proliferation rate, cytoplasmic TDP-43 aggregation and a higher susceptibility to DNA damage. <i>Journal of Neurology</i> , 2020, 267, 1291-1299.	3.6	20
8	Reorganization of the nuclear compartments involved in transcription and RNA processing in myonuclei of type I spinal muscular atrophy. <i>Histochemistry and Cell Biology</i> , 2019, 152, 227-237.	1.7	2
9	Nucleolin reorganization and nucleolar stress in Purkinje cells of mutant PCD mice. <i>Neurobiology of Disease</i> , 2019, 127, 312-322.	4.4	8
10	CBP-mediated SMN acetylation modulates Cajal body biogenesis and the cytoplasmic targeting of SMN. <i>Cellular and Molecular Life Sciences</i> , 2018, 75, 527-546.	5.4	9
11	Cerebellar alterations in a model of Down syndrome: The role of the Dyrk1A gene. <i>Neurobiology of Disease</i> , 2018, 110, 206-217.	4.4	14
12	Accumulation of poly(A) RNA in nuclear granules enriched in Sam68 in motor neurons from the SMN ^{fl/fl} mouse model of SMA. <i>Scientific Reports</i> , 2018, 8, 9646.	3.3	15
13	Persistent accumulation of unrepaired DNA damage in rat cortical neurons: nuclear organization and ChIP-seq analysis of damaged DNA. <i>Acta Neuropathologica Communications</i> , 2018, 6, 68.	5.2	16
14	Proximal nerve lesions in early Guillain-Barré syndrome: implications for pathogenesis and disease classification. <i>Journal of Neurology</i> , 2017, 264, 221-236.	3.6	67
15	Generation and characterization of two immortalized human osteoblastic cell lines useful for epigenetic studies. <i>Journal of Bone and Mineral Metabolism</i> , 2017, 35, 150-160.	2.7	10
16	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. <i>Neurobiology of Disease</i> , 2017, 108, 83-99.	4.4	21
17	Cajal bodies in neurons. <i>RNA Biology</i> , 2017, 14, 712-725.	3.1	37
18	SUMO regulates p21Cip1 intracellular distribution and with p21Cip1 facilitates multiprotein complex formation in the nucleolus upon DNA damage. <i>PLoS ONE</i> , 2017, 12, e0178925.	2.5	7

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19	Neuronal accumulation of unrepaired DNA in a novel specific chromatin domain: structural, molecular and transcriptional characterization. <i>Acta Neuropathologica Communications</i> , 2016, 4, 41.	5.2	19
20	Relaunching an old drug: the potential role of bexarotene in neurodegenerative diseases. <i>Journal of Neurology</i> , 2016, 263, 177-178.	3.6	11
21	Dynamic Behavior of the RNA Polymerase II and the Ubiquitin Proteasome System During the Neuronal DNA Damage Response to Ionizing Radiation. <i>Molecular Neurobiology</i> , 2016, 53, 6799-6808.	4.0	7
22	Retinoids and motor neuron disease: Potential role in amyotrophic lateral sclerosis. <i>Journal of the Neurological Sciences</i> , 2016, 360, 115-120.	0.6	21
23	Chronic Alcohol Exposure Decreases 53BP1 Protein Levels Leading to a Defective DNA Repair in Cultured Primary Cortical Neurons. <i>Neurotoxicity Research</i> , 2016, 29, 69-79.	2.7	6
24	MXD1 localizes in the nucleolus, binds UBF and impairs rRNA synthesis. <i>Oncotarget</i> , 2016, 7, 69536-69548.	1.8	19
25	Neuroprotective Effect of Bexarotene in the SOD1G93A Mouse Model of Amyotrophic Lateral Sclerosis. <i>Frontiers in Cellular Neuroscience</i> , 2015, 9, 250.	3.7	43
26	Spinal nerve involvement in early Guillain-Barré syndrome: A clinico-electrophysiological, ultrasonographic and pathological study. <i>Clinical Neurophysiology</i> , 2015, 126, 810-819.	1.5	62
27	Nuclear Signs of Pre-neurodegeneration. <i>Methods in Molecular Biology</i> , 2015, 1254, 43-54.	0.9	2
28	Compensatory Motor Neuron Response to Chromatolysis in the Murine hSOD1G93A Model of Amyotrophic Lateral Sclerosis. <i>Frontiers in Cellular Neuroscience</i> , 2014, 8, 346.	3.7	21
29	Nerve ultrasonography in early Guillain-Barré syndrome: a need for large prospective studies. <i>Journal of the Peripheral Nervous System</i> , 2014, 19, 344-344.	3.1	3
30	The SMN Tudor SIM-like domain is key to SmD1 and coilin interactions and to Cajal body biogenesis. <i>Journal of Cell Science</i> , 2014, 127, 939-46.	2.0	19
31	Proteasome inhibition induces DNA damage and reorganizes nuclear architecture and protein synthesis machinery in sensory ganglion neurons. <i>Cellular and Molecular Life Sciences</i> , 2014, 71, 1961-1975.	5.4	31
32	Reactive nucleolar and Cajal body responses to proteasome inhibition in sensory ganglion neurons. <i>Biochimica Et Biophysica Acta - Molecular Basis of Disease</i> , 2014, 1842, 848-859.	3.8	26
33	Chronic Alcohol Alters Dendritic Spine Development in Neurons in Primary Culture. <i>Neurotoxicity Research</i> , 2013, 24, 532-548.	2.7	21
34	Differential glial activation during the degeneration of Purkinje cells and mitral cells in the PCD mutant mice. <i>Glia</i> , 2013, 61, 254-272.	4.9	21
35	Contribution of genetic and epigenetic mechanisms to Wnt pathway activity in prevalent skeletal disorders. <i>Gene</i> , 2013, 532, 165-172.	2.2	42
36	Criteria for Guillain-Barré syndrome: Additional insights from clinico-pathological studies. <i>Clinical Neurophysiology</i> , 2013, 124, 819-821.	1.5	7

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37	Cellular Plasticity Confers Migratory and Invasive Advantages to a Population of Glioblastoma-Initiating Cells that Infiltrate Peritumoral Tissue. <i>Stem Cells</i> , 2013, 31, 1075-1085.	3.2	83
38	Reorganization of Cajal bodies and nucleolar targeting of coilin in motor neurons of type I spinal muscular atrophy. <i>Histochemistry and Cell Biology</i> , 2012, 137, 657-667.	1.7	39
39	Nuclear speckles are involved in nuclear aggregation of PABPN1 and in the pathophysiology of oculopharyngeal muscular dystrophy. <i>Neurobiology of Disease</i> , 2012, 46, 118-129.	4.4	19
40	A Novel Pathway of TEF Regulation Mediated by MicroRNA-125b Contributes to the Control of Actin Distribution and Cell Shape in Fibroblasts. <i>PLoS ONE</i> , 2011, 6, e17169.	2.5	9
41	Nucleolar Disruption and Cajal Body Disassembly are Nuclear Hallmarks of DNA Damage-Induced Neurodegeneration in Purkinje Cells. <i>Brain Pathology</i> , 2011, 21, 374-388.	4.1	55
42	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. <i>Acta Neuropathologica</i> , 2011, 122, 481-493.	7.7	35
43	Purkinje Cell Degeneration in pcd Mice Reveals Large Scale Chromatin Reorganization and Gene Silencing Linked to Defective DNA Repair. <i>Journal of Biological Chemistry</i> , 2011, 286, 28287-28302.	3.4	43
44	Nucleolar targeting of coilin is regulated by its hypomethylation state. <i>Chromosoma</i> , 2010, 119, 527-540.	2.2	25
45	Bortezomib Induces the Formation of Nuclear poly(A) RNA Granules Enriched in Sam68 and PABPN1 in Sensory Ganglia Neurons. <i>Neurotoxicity Research</i> , 2010, 17, 167-178.	2.7	71
46	Nucleolar Disruption Ensures Nuclear Accumulation of p21 upon DNA Damage. <i>Traffic</i> , 2010, 11, 743-755.	2.7	29
47	Novel Snail1 Target Proteins in Human Colon Cancer Identified by Proteomic Analysis. <i>PLoS ONE</i> , 2010, 5, e10221.	2.5	29
48	Orphan Nuclear Bodies. <i>Cold Spring Harbor Perspectives in Biology</i> , 2010, 2, a000703-a000703.	5.5	19
49	Hsp70 Chaperones and Type I PRMTs Are Sequestered at Intranuclear Inclusions Caused by Polyalanine Expansions in PABPN1. <i>PLoS ONE</i> , 2009, 4, e6418.	2.5	42
50	Ras Subcellular Localization Defines Extracellular Signal-Regulated Kinase 1 and 2 Substrate Specificity through Distinct Utilization of Scaffold Proteins. <i>Molecular and Cellular Biology</i> , 2009, 29, 1338-1353.	2.3	100
51	Cajal's contribution to the knowledge of the neuronal cell nucleus. <i>Chromosoma</i> , 2009, 118, 437-443.	2.2	51
52	Severe Guillain-Barré syndrome: sorting out the pathological hallmark in an electrophysiological axonal case. <i>Journal of the Peripheral Nervous System</i> , 2009, 14, 54-63.	3.1	17
53	TDP-43 localizes in mRNA transcription and processing sites in mammalian neurons. <i>Journal of Structural Biology</i> , 2009, 167, 235-241.	2.8	68
54	LPS-induced down-regulation of NO-sensitive guanylyl cyclase in astrocytes occurs by proteasomal degradation in clastosomes. <i>Molecular and Cellular Neurosciences</i> , 2008, 37, 494-506.	2.2	11

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55	Nuclear compartmentalization and dynamics of the poly(A)-binding protein nuclear 1 (PABPN1) inclusions in supraoptic neurons under physiological and osmotic stress conditions. <i>Molecular and Cellular Neurosciences</i> , 2008, 37, 622-633.	2.2	18
56	RhoA/ROCK and p38MAPK-MSK1 mediate vitamin D effects on gene expression, phenotype, and Wnt pathway in colon cancer cells. <i>Journal of Cell Biology</i> , 2008, 183, 697-710.	5.2	102
57	Cajal body number and nucleolar size correlate with the cell body mass in human sensory ganglia neurons. <i>Journal of Structural Biology</i> , 2007, 158, 410-420.	2.8	50
58	The giant fibrillar center: A nucleolar structure enriched in upstream binding factor (UBF) that appears in transcriptionally more active sensory ganglia neurons. <i>Journal of Structural Biology</i> , 2007, 159, 451-461.	2.8	31
59	Mxi2 promotes stimulus-independent ERK nuclear translocation. <i>EMBO Journal</i> , 2007, 26, 635-646.	7.8	48
60	Vitamin D regulates the phenotype of human breast cancer cells. <i>Differentiation</i> , 2007, 75, 193-207.	1.9	116
61	Characterization of a new SUMO-1 nuclear body (SNB) enriched in pCREB, CBP, c-Jun in neuron-like UR61 cells. <i>Chromosoma</i> , 2007, 116, 441-451.	2.2	17
62	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. <i>Molecular and Cellular Neurosciences</i> , 2006, 33, 283-295.	2.2	31
63	The PML-nuclear inclusion of human supraoptic neurons: a new compartment with SUMO-1- and ubiquitin/proteasome-associated domains. <i>Neurobiology of Disease</i> , 2006, 21, 181-193.	4.4	20
64	Targeting of CTCF to the nucleolus inhibits nucleolar transcription through a poly(ADP-ribosyl)ation-dependent mechanism. <i>Journal of Cell Science</i> , 2006, 119, 1746-1759.	2.0	75
65	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. <i>Molecular and Cellular Biology</i> , 2006, 26, 100-116.	2.3	110
66	Blockade of Epidermal Growth Factor Receptors Chemosensitizes Breast Cancer Cells through Up-Regulation of Bnip3L. <i>Cancer Research</i> , 2005, 65, 8151-8157.	0.9	68
67	Oculopharyngeal muscular dystrophy-like nuclear inclusions are present in normal magnocellular neurosecretory neurons of the hypothalamus. <i>Human Molecular Genetics</i> , 2004, 13, 829-838.	2.9	58
68	Activation of H-Ras in the Endoplasmic Reticulum by the RasGRF Family Guanine Nucleotide Exchange Factors. <i>Molecular and Cellular Biology</i> , 2004, 24, 1516-1530.	2.3	87
69	Targeting SMN to Cajal bodies and nuclear gems during neuritogenesis. <i>Chromosoma</i> , 2004, 112, 398-409.	2.2	42
70	PML bodies in reactive sensory ganglion neurons of the Guillain-Barré syndrome. <i>Neurobiology of Disease</i> , 2004, 16, 158-168.	4.4	21
71	Epilepsia partialis continua in progressive multifocal leukoencephalopathy: A motor cortex isolation syndrome. <i>Movement Disorders</i> , 2003, 18, 1559-1564.	3.9	10
72	Original descriptions of peroneal muscular atrophy. <i>Muscle and Nerve</i> , 2003, 28, 251-252.	2.2	6

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73	Dynamic association of RNA-editing enzymes with the nucleolus. <i>Journal of Cell Science</i> , 2003, 116, 1805-1818.	2.0	231
74	Differences on the Inhibitory Specificities of H-Ras, K-Ras, and N-Ras (N17) Dominant Negative Mutants Are Related to Their Membrane Microlocalization. <i>Journal of Biological Chemistry</i> , 2003, 278, 4572-4581.	3.4	102
75	Clastosome: A Subtype of Nuclear Body Enriched in 19S and 20S Proteasomes, Ubiquitin, and Protein Substrates of Proteasome. <i>Molecular Biology of the Cell</i> , 2002, 13, 2771-2782.	2.1	121
76	Structural and functional compartmentalization of the cell nucleus in supraoptic neurons. <i>Microscopy Research and Technique</i> , 2002, 56, 132-142.	2.2	21
77	Proteasome dynamics during cell cycle in rat Schwann cells. <i>Glia</i> , 2002, 38, 313-328.	4.9	16
78	cAMP-dependent reorganization of the Cajal bodies and splicing machinery in cultured Schwann cells. <i>Glia</i> , 2002, 40, 378-388.	4.9	14
79	Cleared extrachromosomal domain (CED): a nuclear domain enriched in nuclear matrix filaments is a common structure in sturgeon podocytes. <i>Histochemistry and Cell Biology</i> , 2002, 118, 389-397.	1.7	3
80	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. <i>Journal of Comparative Neurology</i> , 2001, 430, 250-263.	1.6	104
81	Residual Cajal bodies in coilin knockout mice fail to recruit Sm snRNPs and SMN, the spinal muscular atrophy gene product. <i>Journal of Cell Biology</i> , 2001, 154, 293-308.	5.2	211
82	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
83	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
84	Glucocorticoids Antagonize Ap-1 by Inhibiting the Activation/Phosphorylation of Jnk without Affecting Its Subcellular Distribution. <i>Journal of Cell Biology</i> , 2000, 150, 1199-1208.	5.2	105
85	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. <i>Experimental Cell Research</i> , 2000, 256, 179-191.	2.6	25
86	The Spinal Muscular Atrophy Disease Gene Product, Smn. <i>Journal of Cell Biology</i> , 1999, 147, 715-728.	5.2	205
87	Necrosis of Schwann Cells During Tellurium-Induced Primary Demyelination: DNA Fragmentation, Reorganization of Splicing Machinery, and Formation of Intranuclear Rods of Actin. <i>Journal of Neuropathology and Experimental Neurology</i> , 1999, 58, 1234-1243.	1.7	19
88	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. <i>Journal of Neuroscience Methods</i> , 1997, 75, 137-145.	2.5	4
89	Fulminant Guillain-Barré Syndrome with universal inexcitability of peripheral nerves: A clinicopathological study. , 1997, 20, 846-857.		81
90	Age-induced hypertrophy of astrocytes in rat supraoptic nucleus: A cytological, morphometric, and immunocytochemical study. <i>The Anatomical Record</i> , 1995, 243, 129-144.	1.8	43

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91	Expression of apolipoprotein e in cholesterol-loaded macrophages of extrahepatic tissues during experimental hypercholesterolemia. <i>Life Sciences</i> , 1995, 56, 1865-1875.	4.3	5
92	Nuclear compartmentalization in transcriptionally activated hypothalamic neurons. <i>Biology of the Cell</i> , 1993, 77, 143-154.	2.0	15
93	Nucleolar organization in granule cell neurons of the rat cerebellum. <i>Journal of Neurocytology</i> , 1989, 18, 19-26.	1.5	22