

Ana Martin-Villalba

List of Publications by Year in descending order

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62
papers

6,397
citations

94433

37
h-index

128289

60
g-index

77
all docs

77
docs citations

77
times ranked

8724
citing authors

#	ARTICLE	IF	CITATIONS
1	Single-Cell Transcriptomics Reveals a Population of Dormant Neural Stem Cells that Become Activated upon Brain Injury. <i>Cell Stem Cell</i> , 2015, 17, 329-340.	11.1	641
2	NF- κ B is activated and promotes cell death in focal cerebral ischemia. <i>Nature Medicine</i> , 1999, 5, 554-559.	30.7	615
3	CD95 Ligand (Fas-L/APO-1L) and Tumor Necrosis Factor-Related Apoptosis-Inducing Ligand Mediate Ischemia-Induced Apoptosis in Neurons. <i>Journal of Neuroscience</i> , 1999, 19, 3809-3817.	3.6	406
4	Lasting N-Terminal Phosphorylation of c-Jun and Activation of c-Jun N-Terminal Kinases after Neuronal Injury. <i>Journal of Neuroscience</i> , 1998, 18, 5124-5135.	3.6	312
5	Yes and PI3K Bind CD95 to Signal Invasion of Glioblastoma. <i>Cancer Cell</i> , 2008, 13, 235-248.	16.8	281
6	Quiescence Modulates Stem Cell Maintenance and Regenerative Capacity in the Aging Brain. <i>Cell</i> , 2019, 176, 1407-1419.e14.	28.9	265
7	Loss of Dickkopf-1 Restores Neurogenesis in Old Age and Counteracts Cognitive Decline. <i>Cell Stem Cell</i> , 2013, 12, 204-214.	11.1	260
8	Neutralization of CD95 ligand promotes regeneration and functional recovery after spinal cord injury. <i>Nature Medicine</i> , 2004, 10, 389-395.	30.7	217
9	Inflammatory dysregulation of blood monocytes in Parkinson's disease patients. <i>Acta Neuropathologica</i> , 2014, 128, 651-663.	7.7	216
10	Involvement of CD95/Apo1/Fas in Cell Death After Myocardial Ischemia. <i>Circulation</i> , 2000, 102, 915-920.	1.6	206
11	Therapeutic neutralization of CD95-ligand and TNF attenuates brain damage in stroke. <i>Cell Death and Differentiation</i> , 2001, 8, 679-686.	11.2	203
12	Blockade of TGF- β 2 Signaling by the TGF- β 2R-I Kinase Inhibitor LY2109761 Enhances Radiation Response and Prolongs Survival in Glioblastoma. <i>Cancer Research</i> , 2011, 71, 7155-7167.	0.9	203
13	Accumulation of apoptotic cells in the epidermis of patients with cutaneous lupus erythematosus after ultraviolet irradiation. <i>Arthritis and Rheumatism</i> , 2006, 54, 939-950.	6.7	200
14	Cell-specific deletion of glucosylceramide synthase in brain leads to severe neural defects after birth. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2005, 102, 12459-12464.	7.1	181
15	CD95-Ligand on Peripheral Myeloid Cells Activates Syk Kinase to Trigger Their Recruitment to the Inflammatory Site. <i>Immunity</i> , 2010, 32, 240-252.	14.3	134
16	Onset of differentiation is post-transcriptionally controlled in adult neural stem cells. <i>Nature</i> , 2019, 566, 100-104.	27.8	127
17	The Death Receptor CD95 Activates Adult Neural Stem Cells for Working Memory Formation and Brain Repair. <i>Cell Stem Cell</i> , 2009, 5, 178-190.	11.1	120
18	Control of neuronal branching by the death receptor CD95 (Fas/Apo-1). <i>Cell Death and Differentiation</i> , 2006, 13, 31-40.	11.2	101

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19	Cdk4 and Cdk6 Couple the Cell-Cycle Machinery to Cell Growth via mTORC1. <i>Cell Reports</i> , 2020, 31, 107504.	6.4	96
20	FK506 prevents stroke-induced generation of ceramide and apoptosis signaling. <i>Brain Research</i> , 1999, 826, 210-219.	2.2	90
21	Antigen Dependently Activated Cluster of Differentiation 8-Positive T Cells Cause Perforin-Mediated Neurotoxicity in Experimental Stroke. <i>Journal of Neuroscience</i> , 2014, 34, 16784-16795.	3.6	83
22	Single-Cell Analysis Uncovers Clonal Acinar Cell Heterogeneity in the Adult Pancreas. <i>Developmental Cell</i> , 2016, 39, 289-301.	7.0	82
23	A novel human high-risk ependyoma stem cell model reveals the differentiation-inducing potential of the histone deacetylase inhibitor Vorinostat. <i>Acta Neuropathologica</i> , 2011, 122, 637-650.	7.7	77
24	Neurogenesis in the Normal Ageing Hippocampus: A Mini-Review. <i>Gerontology</i> , 2015, 61, 327-335.	2.8	75
25	Sensing invasion: Cell surface receptors driving spreading of glioblastoma. <i>Journal of Cellular Physiology</i> , 2010, 222, 1-10.	4.1	72
26	Manganese-enhanced magnetic resonance imaging for in vivo assessment of damage and functional improvement following spinal cord injury in mice. <i>Magnetic Resonance in Medicine</i> , 2006, 55, 1124-1131.	3.0	64
27	Neurogenic Radial Glia-like Cells in Meninges Migrate and Differentiate into Functionally Integrated Neurons in the Neonatal Cortex. <i>Cell Stem Cell</i> , 2017, 20, 360-373.e7.	11.1	64
28	Molecular targets in spinal cord injury. <i>Journal of Molecular Medicine</i> , 2005, 83, 657-671.	3.9	62
29	CD95 in cancer: tool or target?. <i>Trends in Molecular Medicine</i> , 2013, 19, 329-335.	6.7	60
30	Choroid plexus-derived miR-204 regulates the number of quiescent neural stem cells in the adult brain. <i>EMBO Journal</i> , 2019, 38, e100481.	7.8	52
31	TNF- α and TRAIL-resistant glioma cells undergo autophagy-dependent cell death induced by activated microglia. <i>Glia</i> , 2009, 57, 561-581.	4.9	50
32	CD95 maintains stem cell-like and non-classical EMT programs in primary human glioblastoma cells. <i>Cell Death and Disease</i> , 2016, 7, e2209-e2209.	6.3	49
33	Tyrosine phosphorylation and CD95: A Fascinating switch. <i>Cell Cycle</i> , 2009, 8, 838-842.	2.6	48
34	Rapid and long-lasting suppression of the ATF-2 transcription factor is a common response to neuronal injury. <i>Molecular Brain Research</i> , 1998, 62, 158-166.	2.3	47
35	Identification of regulated genes during permanent focal cerebral ischaemia: characterization of the protein kinase 9b5/MARKL1/MARK4. <i>Journal of Neurochemistry</i> , 2004, 88, 1114-1126.	3.9	45
36	CD95 promotes metastatic spread via Sck in pancreatic ductal adenocarcinoma. <i>Cell Death and Differentiation</i> , 2015, 22, 1192-1202.	11.2	45

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37	The hematopoietic factor granulocyte colony stimulating factor improves outcome in experimental spinal cord injury. <i>Journal of Neurochemistry</i> , 2010, 113, 930-942.	3.9	44
38	Revealing age-related changes of adult hippocampal neurogenesis using mathematical models. <i>Development (Cambridge)</i> , 2018, 145, .	2.5	38
39	Infiltration of circulating myeloid cells through CD95L contributes to neurodegeneration in mice. <i>Journal of Experimental Medicine</i> , 2015, 212, 469-480.	8.5	37
40	Expression of Jun, Fos and ATF-2 proteins in axotomized explanted and cultured adult rat dorsal root ganglia. <i>Neuroscience</i> , 1998, 84, 163-176.	2.3	36
41	Mathematical modelling of adult hippocampal neurogenesis: effects of altered stem cell dynamics on cell counts and bromodeoxyuridine-labelled cells. <i>Journal of the Royal Society Interface</i> , 2014, 11, 20140144.	3.4	33
42	LRRC45 contributes to early steps of axoneme extension. <i>Journal of Cell Science</i> , 2018, 131, .	2.0	31
43	Adult NSC diversity and plasticity: the role of the niche. <i>Current Opinion in Neurobiology</i> , 2017, 42, 68-74.	4.2	30
44	Neural Stem Cell Activation and the Role of Protein Synthesis. <i>Brain Plasticity</i> , 2017, 3, 27-41.	3.5	30
45	In vivo Interrogation of Central Nervous System Translatome by Polyribosome Fractionation. <i>Journal of Visualized Experiments</i> , 2014, , .	0.3	25
46	CNS Macrophages Control Neurovascular Development via CD95L. <i>Cell Reports</i> , 2017, 19, 1378-1393.	6.4	24
47	The Evolution of Our Understanding on Glioma. <i>Brain Pathology</i> , 2008, 18, 455-463.	4.1	23
48	Dkk1 Regulates Ventral Midbrain Dopaminergic Differentiation and Morphogenesis. <i>PLoS ONE</i> , 2011, 6, e15786.	2.5	23
49	JunB and Bcl-2 overexpression results in protection against cell death of nigral neurons following axotomy. <i>Molecular Brain Research</i> , 2002, 104, 194-202.	2.3	21
50	3D Cellular Architecture Modulates Tyrosine Kinase Activity, Thereby Switching CD95-Mediated Apoptosis to Survival. <i>Cell Reports</i> , 2019, 29, 2295-2306.e6.	6.4	21
51	Endothelial cell-derived CD95 ligand serves as a chemokine in induction of neutrophil slow rolling and adhesion. <i>ELife</i> , 2016, 5, .	6.0	21
52	VEGF/VEGFR2 signaling regulates hippocampal axon branching during development. <i>ELife</i> , 2019, 8, .	6.0	19
53	Integrin Alpha 6: Anchors Away for Glioma Stem Cells. <i>Cell Stem Cell</i> , 2010, 6, 403-404.	11.1	18
54	High throughput screening of novel AAV capsids identifies variants for transduction of adult NSCs within the subventricular zone. <i>Molecular Therapy - Methods and Clinical Development</i> , 2021, 23, 33-50.	4.1	16

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55	Latest advances in aging research and drug discovery. <i>Aging</i> , 2019, 11, 9971-9981.	3.1	13
56	An Immune-CNS Axis Activates Remote Hippocampal Stem Cells Following Spinal Transection Injury. <i>Frontiers in Molecular Neuroscience</i> , 2018, 11, 443.	2.9	7
57	Regulation of Adult CNS Axonal Regeneration by the Post-transcriptional Regulator Cpeb1. <i>Frontiers in Molecular Neuroscience</i> , 2017, 10, 445.	2.9	7
58	Early activation of <sc>CD</sc>95 is limited and localized to the cytotoxic synapse. <i>FEBS Journal</i> , 2018, 285, 2813-2827.	4.7	3
59	Centrosome linker protein CÑNap1 maintains stem cells in mouse testes. <i>EMBO Reports</i> , 0, , .	4.5	3
60	Neuronal Morphology Analysis. <i>Bio-protocol</i> , 2013, 3, .	0.4	1
61	Life and Death in the CNS. , 2015, , 41-54.		0
62	An Efficient GUI-Based Clustering Software for Simulation and Bayesian Cluster Analysis of Single-Molecule Localization Microscopy Data. <i>Frontiers in Bioinformatics</i> , 2021, 1, .	2.1	0