Ana Martin-Villalba

List of Publications by Year
in descending order

62	6,397	94433 37	128289 60
papers	citations	h-index	g-index

77	77	77	8724
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	High throughput screening of novel AAV capsids identifies variants for transduction of adult NSCs within the subventricular zone. Molecular Therapy - Methods and Clinical Development, 2021, 23, 33-50.	4.1	16
2	An Efficient GUI-Based Clustering Software for Simulation and Bayesian Cluster Analysis of Single-Molecule Localization Microscopy Data. Frontiers in Bioinformatics, 2021, 1, .	2.1	0
3	Cdk4 and Cdk6 Couple the Cell-Cycle Machinery to Cell Growth via mTORC1. Cell Reports, 2020, 31, 107504.	6.4	96
4	Choroid plexusâ€derived miRâ€204 regulates the number of quiescent neural stem cells in the adult brain. EMBO Journal, 2019, 38, e100481.	7.8	52
5	Onset of differentiation is post-transcriptionally controlled in adult neural stem cells. Nature, 2019, 566, 100-104.	27.8	127
6	Quiescence Modulates Stem Cell Maintenance and Regenerative Capacity in the Aging Brain. Cell, 2019, 176, 1407-1419.e14.	28.9	265
7	Latest advances in aging research and drug discovery. Aging, 2019, 11, 9971-9981.	3.1	13
8	3D Cellular Architecture Modulates Tyrosine Kinase Activity, Thereby Switching CD95-Mediated Apoptosis to Survival. Cell Reports, 2019, 29, 2295-2306.e6.	6.4	21
9	VEGF/VEGFR2 signaling regulates hippocampal axon branching during development. ELife, 2019, 8, .	6.0	19
10	Revealing age-related changes of adult hippocampal neurogenesis using mathematical models. Development (Cambridge), 2018, 145, .	2.5	38
11	An Immune-CNS Axis Activates Remote Hippocampal Stem Cells Following Spinal Transection Injury. Frontiers in Molecular Neuroscience, 2018, 11, 443.	2.9	7
12	LRRC45 contributes to early steps of axoneme extension. Journal of Cell Science, 2018, 131, .	2.0	31
13	Early activation of <scp>CD</scp>95 is limited and localized to the cytotoxic synapse. FEBS Journal, 2018, 285, 2813-2827.	4.7	3
14	CNS Macrophages Control Neurovascular Development via CD95L. Cell Reports, 2017, 19, 1378-1393.	6.4	24
15	Adult NSC diversity and plasticity: the role of the niche. Current Opinion in Neurobiology, 2017, 42, 68-74.	4.2	30
16	Neurogenic Radial Glia-like Cells in Meninges Migrate and Differentiate into Functionally Integrated Neurons in the Neonatal Cortex. Cell Stem Cell, 2017, 20, 360-373.e7.	11.1	64
17	Neural Stem Cell Activation and the Role of Protein Synthesis. Brain Plasticity, 2017, 3, 27-41.	3.5	30
18	Regulation of Adult CNS Axonal Regeneration by the Post-transcriptional Regulator Cpeb1. Frontiers in Molecular Neuroscience, 2017, 10, 445.	2.9	7

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19	CD95 maintains stem cell-like and non-classical EMT programs in primary human glioblastoma cells. Cell Death and Disease, 2016, 7, e2209-e2209.	6.3	49
20	Single-Cell Analysis Uncovers Clonal Acinar Cell Heterogeneity in the Adult Pancreas. Developmental Cell, 2016, 39, 289-301.	7.0	82
21	Endothelial cell-derived CD95 ligand serves as a chemokine in induction of neutrophil slow rolling and adhesion. ELife, 2016, 5, .	6.0	21
22	Infiltration of circulating myeloid cells through CD95L contributes to neurodegeneration in mice. Journal of Experimental Medicine, 2015, 212, 469-480.	8.5	37
23	Single-Cell Transcriptomics Reveals a Population of Dormant Neural Stem Cells that Become Activated upon Brain Injury. Cell Stem Cell, 2015, 17, 329-340.	11.1	641
24	Neurogenesis in the Normal Ageing Hippocampus: A Mini-Review. Gerontology, 2015, 61, 327-335.	2.8	75
25	CD95 promotes metastatic spread via Sck in pancreatic ductal adenocarcinoma. Cell Death and Differentiation, 2015, 22, 1192-1202.	11.2	45
26	Life and Death in the CNS. , 2015, , 41-54.		0
27	Inflammatory dysregulation of blood monocytes in Parkinsonâ€™s disease patients. Acta Neuropathologica, 2014, 128, 651-663.	7.7	216
28	Antigen Dependently Activated Cluster of Differentiation 8-Positive T Cells Cause Perforin-Mediated Neurotoxicity in Experimental Stroke. Journal of Neuroscience, 2014, 34, 16784-16795.	3.6	83
29	Mathematical modelling of adult hippocampal neurogenesis: effects of altered stem cell dynamics on cell counts and bromodeoxyuridine-labelled cells. Journal of the Royal Society Interface, 2014, 11, 20140144.	3.4	33
30	In vivo Interrogation of Central Nervous System Translatome by Polyribosome Fractionation. Journal of Visualized Experiments, 2014, , .	0.3	25
31	Loss of Dickkopf-1 Restores Neurogenesis in Old Age and Counteracts Cognitive Decline. Cell Stem Cell, 2013, 12, 204-214.	11.1	260
32	CD95 in cancer: tool or target?. Trends in Molecular Medicine, 2013, 19, 329-335.	6.7	60
33	Neuronal Morphology Analysis. Bio-protocol, 2013, 3, .	0.4	1
34	Dkk1 Regulates Ventral Midbrain Dopaminergic Differentiation and Morphogenesis. PLoS ONE, 2011, 6, e15786.	2.5	23
35	A novel human high-risk ependymoma stem cell model reveals the differentiation-inducing potential of the histone deacetylase inhibitor Vorinostat. Acta Neuropathologica, 2011, 122, 637-650.	7.7	77
36	Blockade of TGF-Î² Signaling by the TGFÎ²R-I Kinase Inhibitor LY2109761 Enhances Radiation Response and Prolongs Survival in Glioblastoma. Cancer Research, 2011, 71, 7155-7167.	0.9	203

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37	Sensing invasion: Cell surface receptors driving spreading of glioblastoma. Journal of Cellular Physiology, 2010, 222, 1-10.	4.1	72
38	CD95-Ligand on Peripheral Myeloid Cells Activates Syk Kinase to Trigger Their Recruitment to the Inflammatory Site. Immunity, 2010, 32, 240-252.	14.3	134
39	The hematopoietic factor granulocyteâ€colony stimulating factor improves outcome in experimental spinal cord injury. Journal of Neurochemistry, 2010, 113, 930-942.	3.9	44
40	Integrin Alpha 6: Anchors Away for Glioma Stem Cells. Cell Stem Cell, 2010, 6, 403-404.	11.1	18
41	Tyrosine phosphorylation and CD95: A FAScinating switch. Cell Cycle, 2009, 8, 838-842.	2.6	48
42	TNFâ€±â€and TRAILâ€resistant glioma cells undergo autophagyâ€dependent cell death induced by activated microglia. Glia, 2009, 57, 561-581.	4.9	50
43	The Death Receptor CD95 Activates Adult Neural Stem Cells for Working Memory Formation and Brain Repair. Cell Stem Cell, 2009, 5, 178-190.	11.1	120
44	The Evolution of Our Understanding on Glioma. Brain Pathology, 2008, 18, 455-463.	4.1	23
45	Yes and PI3K Bind CD95 to Signal Invasion of Glioblastoma. Cancer Cell, 2008, 13, 235-248.	16.8	281
46	Control of neuronal branching by the death receptor CD95 (Fas/Apo-1). Cell Death and Differentiation, 2006, 13, 31-40.	11.2	101
47	Accumulation of apoptotic cells in the epidermis of patients with cutaneous lupus erythematosus after ultraviolet irradiation. Arthritis and Rheumatism, 2006, 54, 939-950.	6.7	200
48	Manganese-enhanced magnetic resonance imaging for in vivo assessment of damage and functional improvement following spinal cord injury in mice. Magnetic Resonance in Medicine, 2006, 55, 1124-1131.	3.0	64
49	Molecular targets in spinal cord injury. Journal of Molecular Medicine, 2005, 83, 657-671.	3.9	62
50	Cell-specific deletion of glucosylceramide synthase in brain leads to severe neural defects after birth. Proceedings of the National Academy of Sciences of the United States of America, 2005, 102, 12459-12464.	7.1	181
51	Neutralization of CD95 ligand promotes regeneration and functional recovery after spinal cord injury. Nature Medicine, 2004, 10, 389-395.	30.7	217
52	Identification of regulated genes during permanent focal cerebral ischaemia: characterization of the protein kinase 9b5/MARKL1/MARK4. Journal of Neurochemistry, 2004, 88, 1114-1126.	3.9	45
53	JunB and Bcl-2 overexpression results in protection against cell death of nigral neurons following axotomy. Molecular Brain Research, 2002, 104, 194-202.	2.3	21
54	Therapeutic neutralization of CD95-ligand and TNF attenuates brain damage in stroke. Cell Death and Differentiation, 2001, 8, 679-686.	11.2	203

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55	Involvement of CD95/Apo1/Fas in Cell Death After Myocardial Ischemia. Circulation, 2000, 102, 915-920.	1.6	206
56	NF-Î²B is activated and promotes cell death in focal cerebral ischemia. Nature Medicine, 1999, 5, 554-559.	30.7	615
57	FK506 prevents stroke-induced generation of ceramide and apoptosis signaling. Brain Research, 1999, 826, 210-219.	2.2	90
58	CD95 Ligand (Fas-L/APO-1L) and Tumor Necrosis Factor-Related Apoptosis-Inducing Ligand Mediate Ischemia-Induced Apoptosis in Neurons. Journal of Neuroscience, 1999, 19, 3809-3817.	3.6	406
59	Rapid and long-lasting suppression of the ATF-2 transcription factor is a common response to neuronal injury. Molecular Brain Research, 1998, 62, 158-166.	2.3	47
60	Expression of Jun, Fos and ATF-2 proteins in axotomized explanted and cultured adult rat dorsal root ganglia. Neuroscience, 1998, 84, 163-176.	2.3	36
61	Lasting N-Terminal Phosphorylation of c-Jun and Activation of c-Jun N-Terminal Kinases after Neuronal Injury. Journal of Neuroscience, 1998, 18, 5124-5135.	3.6	312
62	Centrosome linker protein Câ€Nap1 maintains stem cells in mouse testes. EMBO Reports, 0, , .	4.5	3