

Francesco Roselli

List of Publications by Year in descending order

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63
papers

2,561
citations

257101

24
h-index

214527

47
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74
all docs

74
docs citations

74
times ranked

4094
citing authors

#	ARTICLE	IF	CITATIONS
1	Soluble A β -Amyloid1-40 Induces NMDA-Dependent Degradation of Postsynaptic Density-95 at Glutamatergic Synapses. <i>Journal of Neuroscience</i> , 2005, 25, 11061-11070.	1.7	274
2	Neuroprotection through Excitability and mTOR Required in ALS Motoneurons to Delay Disease and Extend Survival. <i>Neuron</i> , 2013, 80, 80-96.	3.8	233
3	Botulinum Toxin A Treatment for Primary Hemifacial Spasm. <i>Archives of Neurology</i> , 2002, 59, 418.	4.9	159
4	Hypoexcitability precedes denervation in the large fast-contracting motor units in two unrelated mouse models of ALS. <i>ELife</i> , 2018, 7, .	2.8	111
5	NF κ B activation in astrocytes drives a stage-specific beneficial neuroimmunological response in ALS. <i>EMBO Journal</i> , 2018, 37, .	3.5	108
6	Effect of High-Caloric Nutrition on Survival in Amyotrophic Lateral Sclerosis. <i>Annals of Neurology</i> , 2020, 87, 206-216.	2.8	105
7	Amyloid- β^2 Induces Caspase-Dependent Loss of PSD-95 and Synaptophysin Through NMDA Receptors. <i>Journal of Alzheimer's Disease</i> , 2010, 22, 541-556.	1.2	100
8	From Intrinsic Firing Properties to Selective Neuronal Vulnerability in Neurodegenerative Diseases. <i>Neuron</i> , 2015, 85, 901-910.	3.8	96
9	Rate of MMSE score change in Alzheimer's disease: Influence of education and vascular risk factors. <i>Clinical Neurology and Neurosurgery</i> , 2009, 111, 327-330.	0.6	90
10	Neddylation inhibition impairs spine development, destabilizes synapses and deteriorates cognition. <i>Nature Neuroscience</i> , 2015, 18, 239-251.	7.1	88
11	Functional Connectivity Mapping in the Animal Model: Principles and Applications of Resting-State fMRI. <i>Frontiers in Neurology</i> , 2017, 8, 200.	1.1	78
12	Midbrain SERT in degenerative parkinsonisms: A 123 I- 125 I SPECT study. <i>Movement Disorders</i> , 2010, 25, 1853-1859.	2.2	76
13	Disassembly of Shank and Homer Synaptic Clusters Is Driven by Soluble β^2 -Amyloid1-40 through Divergent NMDAR-Dependent Signalling Pathways. <i>PLoS ONE</i> , 2009, 4, e6011.	1.1	74
14	Severity of neuropsychiatric symptoms and dopamine transporter levels in dementia with Lewy bodies: A 123 I- 125 I SPECT study. <i>Movement Disorders</i> , 2009, 24, 2097-2103.	2.2	73
15	Neuroinflammation after Traumatic Brain Injury Is Enhanced in Activating Transcription Factor 3 Mutant Mice. <i>Journal of Neurotrauma</i> , 2018, 35, 2317-2329.	1.7	47
16	Reversible induction of TDP-43 granules in cortical neurons after traumatic injury. <i>Experimental Neurology</i> , 2018, 299, 15-25.	2.0	41
17	Interferons in Traumatic Brain and Spinal Cord Injury: Current Evidence for Translational Application. <i>Frontiers in Neurology</i> , 2018, 9, 458.	1.1	40
18	Retinoic acid worsens ATG10-dependent autophagy impairment in TBK1-mutant hiPSC-derived motoneurons through SQSTM1/p62 accumulation. <i>Autophagy</i> , 2019, 15, 1719-1737.	4.3	40

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19	Synaptic restoration by cAMP/PKA drives activity-dependent neuroprotection to motoneurons in ALS. <i>Journal of Experimental Medicine</i> , 2020, 217, .	4.2	40
20	Autism-associated SHANK3 mutations impair maturation of neuromuscular junctions and striated muscles. <i>Science Translational Medicine</i> , 2020, 12, .	5.8	38
21	Voltage-Gated Sodium Channel Blockers as Immunomodulators. <i>Recent Patents on CNS Drug Discovery</i> , 2006, 1, 83-91.	0.9	35
22	CDK5 Is Essential for Soluble Amyloid β -Induced Degradation of GKAP and Remodeling of the Synaptic Actin Cytoskeleton. <i>PLoS ONE</i> , 2011, 6, e23097.	1.1	35
23	Non-receptor-tyrosine Kinases Integrate Fast Glucocorticoid Signaling in Hippocampal Neurons. <i>Journal of Biological Chemistry</i> , 2013, 288, 23725-23739.	1.6	33
24	STAT6 mediates the effect of ethanol on neuroinflammatory response in TBI. <i>Brain, Behavior, and Immunity</i> , 2019, 81, 228-246.	2.0	31
25	Clinical and neurobiological correlates of soluble amyloid precursor proteins in the cerebrospinal fluid. , 2012, 8, 304-311.		28
26	Acute ethanol administration results in a protective cytokine and neuroinflammatory profile in traumatic brain injury. <i>International Immunopharmacology</i> , 2017, 51, 66-75.	1.7	28
27	Cytoplasmic FUS triggers early behavioral alterations linked to cortical neuronal hyperactivity and inhibitory synaptic defects. <i>Nature Communications</i> , 2021, 12, 3028.	5.8	28
28	Astrocytic GluN2A and GluN2B Oppose the Synaptotoxic Effects of Amyloid- β 1-40 in Hippocampal Cells. <i>Journal of Alzheimer's Disease</i> , 2016, 54, 135-148.	1.2	27
29	Medusa's Head: The Complement System in Traumatic Brain and Spinal Cord Injury. <i>Journal of Neurotrauma</i> , 2018, 35, 226-240.	1.7	24
30	Stage-dependent remodeling of projections to motor cortex in ALS mouse model revealed by a new variant retrograde-AAV9. <i>ELife</i> , 2018, 7, .	2.8	24
31	Neuroprotective effect of acute ethanol intoxication in TBI is associated to the hierarchical modulation of early transcriptional responses. <i>Experimental Neurology</i> , 2018, 302, 34-45.	2.0	22
32	Synaptic disruption and CREB-regulated transcription are restored by K ⁺ channel blockers in ALS. <i>EMBO Molecular Medicine</i> , 2021, 13, e13131.	3.3	22
33	Interferon β 1a downregulates TNF α -induced intercellular adhesion molecule 1 expression on brain microvascular endothelial cells through a tyrosine kinase-dependent pathway. <i>Brain Research</i> , 2000, 881, 227-230.	1.1	20
34	Reversible Parkinsonian syndrome associated with anti-neuronal antibodies in acute EBV encephalitis: A case report. <i>Parkinsonism and Related Disorders</i> , 2006, 12, 257-260.	1.1	20
35	A CRHR1 antagonist prevents synaptic loss and memory deficits in a trauma-induced delirium-like syndrome. <i>Molecular Psychiatry</i> , 2021, 26, 3778-3794.	4.1	19
36	β -Site amyloid precursor protein-cleaving enzyme 1 activity is related to cerebrospinal fluid concentrations of sortilin-related receptor with A-type repeats, soluble amyloid precursor protein, and tau. , 2013, 9, 386-391.		18

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37	Parvalbumin Interneurons Shape Neuronal Vulnerability in Blunt TBI. <i>Cerebral Cortex</i> , 2019, 29, 2701-2715.	1.6	18
38	Multiplexed chemogenetics in astrocytes and motoneurons restore blood–spinal cord barrier in ALS. <i>Life Science Alliance</i> , 2020, 3, e201900571.	1.3	18
39	Brain-derived neurotrophic factor and risk for primary adult-onset cranial-cervical dystonia. <i>European Journal of Neurology</i> , 2009, 16, 949-952.	1.7	17
40	Disruption of orbitofrontal-hypothalamic projections in a murine ALS model and in human patients. <i>Translational Neurodegeneration</i> , 2021, 10, 17.	3.6	15
41	The Neuroprotective Effect of Ethanol Intoxication in Traumatic Brain Injury Is Associated with the Suppression of ErbB Signaling in Parvalbumin-Positive Interneurons. <i>Journal of Neurotrauma</i> , 2018, 35, 2718-2735.	1.7	14
42	Longitudinal diffusion tensor magnetic resonance imaging analysis at the cohort level reveals disturbed cortical and callosal microstructure with spared corticospinal tract in the TDP-43G298S ALS mouse model. <i>Translational Neurodegeneration</i> , 2019, 8, 27.	3.6	13
43	Focal alterations of the callosal area III in primary lateral sclerosis: An MRI planimetry and texture analysis. <i>NeuroImage: Clinical</i> , 2020, 26, 102223.	1.4	13
44	Segmental involvement of the corpus callosum in C9orf72-associated ALS: a tract of interest-based DTI study. <i>Therapeutic Advances in Chronic Disease</i> , 2021, 12, 204062232110029.	1.1	13
45	Brain F-18 Fluorocholine PET/CT for the Assessment of Optic Pathway Glioma in Neurofibromatosis-1. <i>Clinical Nuclear Medicine</i> , 2010, 35, 838-839.	0.7	11
46	Nutrient limitation affects presynaptic structures through dissociable Bassoon autophagic degradation and impaired vesicle release. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2018, 38, 1924-1939.	2.4	11
47	Acute TBK1/IKK- μ Inhibition Enhances the Generation of Disease-Associated Microglia-Like Phenotype Upon Cortical Stab-Wound Injury. <i>Frontiers in Aging Neuroscience</i> , 2021, 13, 684171.	1.7	11
48	Blood β^2 -Synuclein and Neurofilament Light Chain During the Course of Prion Disease. <i>Neurology</i> , 2022, 10.1212/WNL.0000000000200002.	1.5	11
49	A Circuit Mechanism for Neurodegeneration. <i>Cell</i> , 2012, 151, 250-252.	13.5	10
50	Modeling Neuronal Vulnerability in ALS. <i>Neuron</i> , 2014, 83, 758-760.	3.8	8
51	Ethanol Intoxication Alleviates the Inflammatory Response of Remote Organs to Experimental Traumatic Brain Injury. <i>International Journal of Molecular Sciences</i> , 2020, 21, 8181.	1.8	8
52	Diffusion Tensor Imaging-Based Studies at the Group-Level Applied to Animal Models of Neurodegenerative Diseases. <i>Frontiers in Neuroscience</i> , 2020, 14, 734.	1.4	7
53	Holmes' tremor associated to HSV-1 cerebral pedunculitis: A case report. <i>Movement Disorders</i> , 2007, 22, 1204-1206.	2.2	5
54	Down syndrome DSCR1 causes spine pathology via the Fragile X-related protein FMRP. <i>EMBO Journal</i> , 2012, 31, 3647-3649.	3.5	5

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55	TREM1-ors shake the brain and gut after stroke. <i>Nature Immunology</i> , 2019, 20, 950-952.	7.0	4
56	Differential effect of ethanol intoxication on peripheral markers of cerebral injury in murine blunt traumatic brain injury. <i>Burns and Trauma</i> , 2021, 9, tkab027.	2.3	4
57	From the editors. <i>Immunopharmacology and Immunotoxicology</i> , 2016, 38, 1-1.	1.1	3
58	Blepharospasm in Bardet-Biedl Syndrome: A Case Report. <i>European Neurology</i> , 2002, 48, 230-232.	0.6	2
59	Life-or-Death Decisions upon Axonal Damage. <i>Neuron</i> , 2012, 73, 405-407.	3.8	2
60	Fast Maturation of Splenic Dendritic Cells Upon TBI Is Associated With FLT3/FLT3L Signaling. <i>Frontiers in Immunology</i> , 2022, 13, 824459.	2.2	2
61	Body fat compartment determination by encoderâ€“decoder convolutional neural network: application to amyotrophic lateral sclerosis. <i>Scientific Reports</i> , 2022, 12, 5513.	1.6	1
62	Increased NF-L levels in the TDP-43G298S ALS mouse model resemble NF-L levels in ALS patients. <i>Acta Neuropathologica</i> , 2022, 144, 161-164.	3.9	1
63	Voltage-Gated Sodium Channel Blockers as Immunomodulators. , 2010, , 611-624.		0