

# Albert Giralt

## List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

72  
papers

3,305  
citations

31  
h-index

57  
g-index

83  
ext. papers

3,963  
ext. citations

7.8  
avg. IF

4.99  
L-index

#	Paper	IF	Citations
72	Meridianins Rescue Cognitive Deficits, Spine Density and Neuroinflammation in the 5xFAD Model of Alzheimer's Disease.. <i>Frontiers in Pharmacology</i> , <b>2022</b> , 13, 791666	5.6	1
71	The Non-receptor Tyrosine Kinase Pyk2 in Brain Function and Neurological and Psychiatric Diseases. <i>Frontiers in Synaptic Neuroscience</i> , <b>2021</b> , 13, 749001	3.5	0
70	RTP801/REDD1 contributes to neuroinflammation severity and memory impairments in Alzheimer's disease. <i>Cell Death and Disease</i> , <b>2021</b> , 12, 616	9.8	6
69	Comparison of the biological impact of aerosol of e-vapor device with MESH□ technology and cigarette smoke on human bronchial and alveolar cultures. <i>Toxicology Letters</i> , <b>2021</b> , 337, 98-110	4.4	3
68	Longitudinal evaluation of a novel BChE PET tracer as an early biomarker in the brain of a mouse model for Alzheimer disease. <i>Theranostics</i> , <b>2021</b> , 11, 6542-6559	12.1	4
67	Astrocytic BDNF and TrkB regulate severity and neuronal activity in mouse models of temporal lobe epilepsy. <i>Cell Death and Disease</i> , <b>2020</b> , 11, 411	9.8	12
66	The non-receptor tyrosine kinase Pyk2 modulates acute locomotor effects of cocaine in D1 receptor-expressing neurons of the nucleus accumbens. <i>Scientific Reports</i> , <b>2020</b> , 10, 6619	4.9	3
65	Lack of Helios During Neural Development Induces Adult Schizophrenia-Like Behaviors Associated With Aberrant Levels of the TRIF-Recruiter Protein WDFY1. <i>Frontiers in Cellular Neuroscience</i> , <b>2020</b> , 14, 93	6.1	1
64	Meridianins and Lignarenone B as Potential GSK3□Inhibitors and Inductors of Structural Neuronal Plasticity. <i>Biomolecules</i> , <b>2020</b> , 10,	5.9	9
63	Helios modulates the maturation of a CA1 neuronal subpopulation required for spatial memory formation. <i>Experimental Neurology</i> , <b>2020</b> , 323, 113095	5.7	1
62	Comparison of the basic morphology and function of 3D lung epithelial cultures derived from several donors. <i>Current Research in Toxicology</i> , <b>2020</b> , 1, 56-69	2.7	10
61	Pyk2 in the amygdala modulates chronic stress sequelae via PSD-95-related micro-structural changes. <i>Translational Psychiatry</i> , <b>2019</b> , 9, 3	8.6	8
60	Conditional BDNF Delivery from Astrocytes Rescues Memory Deficits, Spine Density, and Synaptic Properties in the 5xFAD Mouse Model of Alzheimer Disease. <i>Journal of Neuroscience</i> , <b>2019</b> , 39, 2441-2458	6.6	64
59	PKR knockout in the 5xFAD model of Alzheimer's disease reveals beneficial effects on spatial memory and brain lesions. <i>Aging Cell</i> , <b>2019</b> , 18, e12887	9.9	17
58	Cyclin-Dependent Kinase 5 Dysfunction Contributes to Depressive-like Behaviors in Huntington's Disease by Altering the DARPP-32 Phosphorylation Status in the Nucleus Accumbens. <i>Biological Psychiatry</i> , <b>2019</b> , 86, 196-207	7.9	8
57	Early Downregulation of p75 by Genetic and Pharmacological Approaches Delays the Onset of Motor Deficits and Striatal Dysfunction in Huntington's Disease Mice. <i>Molecular Neurobiology</i> , <b>2019</b> , 56, 935-953	6.2	12
56	CDK4 Regulates Lysosomal Function and mTORC1 Activation to Promote Cancer Cell Survival. <i>Cancer Research</i> , <b>2019</b> , 79, 5245-5259	10.1	19

55	E2F1 promotes hepatic gluconeogenesis and contributes to hyperglycemia during diabetes. <i>Molecular Metabolism</i> , <b>2018</b> , 11, 104-112	8.8	13
54	PTK2B/Pyk2 overexpression improves a mouse model of Alzheimer's disease. <i>Experimental Neurology</i> , <b>2018</b> , 307, 62-73	5.7	23
53	Age-related changes in STriatal-Enriched protein tyrosine Phosphatase levels: Regulation by BDNF. <i>Molecular and Cellular Neurosciences</i> , <b>2018</b> , 86, 41-49	4.8	8
52	P1-092: NEUROPROTECTIVE EFFECTS OF PKR KNOCKOUT IN 5XFAD ALZHEIMER MICE AND NEURON-MICROGLIA CO-CULTURES <b>2018</b> , 14, P306-P306		
51	7,8-dihydroxyflavone ameliorates cognitive and motor deficits in a Huntington's disease mouse model through specific activation of the PLC $\beta$ pathway. <i>Human Molecular Genetics</i> , <b>2017</b> , 26, 3144-3160	5.6	31
50	Pyk2 modulates hippocampal excitatory synapses and contributes to cognitive deficits in a Huntington's disease model. <i>Nature Communications</i> , <b>2017</b> , 8, 15592	17.4	48
49	The AMPA receptor positive allosteric modulator S 47445 rescues in vivo CA3-CA1 long-term potentiation and structural synaptic changes in old mice. <i>Neuropharmacology</i> , <b>2017</b> , 123, 395-409	5.5	15
48	Helios expression coordinates the development of a subset of striatopallidal medium spiny neurons. <i>Development (Cambridge)</i> , <b>2017</b> , 144, 1566-1577	6.6	11
47	CDK4 Phosphorylates AMPK $\alpha$ to Inhibit Its Activity and Repress Fatty Acid Oxidation. <i>Molecular Cell</i> , <b>2017</b> , 68, 336-349.e6	17.6	38
46	[P4036]: THE NOVEL AMPA RECEPTOR POSITIVE ALLOSTERIC MODULATOR S 47445 RESCUES IN VIVO CA3-CA1 LONG-TERM POTENTIATION AND STRUCTURAL SYNAPTIC CHANGES IN MIDDLE-AGED MICE <b>2017</b> , 13, P1270-P1270		
45	E2F1, a Novel Regulator of Metabolism. <i>Frontiers in Endocrinology</i> , <b>2017</b> , 8, 311	5.7	70
44	E2F1 inhibits circulating cholesterol clearance by regulating Pcsk9 expression in the liver. <i>JCI Insight</i> , <b>2017</b> , 2,	9.9	27
43	Loss of striatal 90-kDa ribosomal S6 kinase (Rsk) is a key factor for motor, synaptic and transcription dysfunction in Huntington's disease. <i>Biochimica Et Biophysica Acta - Molecular Basis of Disease</i> , <b>2016</b> , 1862, 1255-66	6.9	2
42	Prostaglandin E2 EP2 activation reduces memory decline in R6/1 mouse model of Huntington's disease by the induction of BDNF-dependent synaptic plasticity. <i>Neurobiology of Disease</i> , <b>2016</b> , 95, 22-34	7.5	18
41	E2F1 mediates sustained lipogenesis and contributes to hepatic steatosis. <i>Journal of Clinical Investigation</i> , <b>2016</b> , 126, 137-50	15.9	63
40	CDK4 is an essential insulin effector in adipocytes. <i>Journal of Clinical Investigation</i> , <b>2016</b> , 126, 335-48	15.9	47
39	Targeting CAG repeat RNAs reduces Huntington's disease phenotype independently of huntingtin levels. <i>Journal of Clinical Investigation</i> , <b>2016</b> , 126, 4319-4330	15.9	43
38	Pyk2 is essential for astrocytes mobility following brain lesion. <i>Glia</i> , <b>2016</b> , 64, 620-34	9	15

37	Acute drug-induced spine changes in the nucleus accumbens are dependent on Eadducin. <i>Neuropharmacology</i> , <b>2016</b> , 110, 333-342	5.5	3
36	Fingolimod (FTY720) enhances hippocampal synaptic plasticity and memory in Huntington's disease by preventing p75NTR up-regulation and astrocyte-mediated inflammation. <i>Human Molecular Genetics</i> , <b>2015</b> , 24, 4958-70	5.6	83
35	A role for Kalirin-7 in corticostriatal synaptic dysfunction in Huntington's disease. <i>Human Molecular Genetics</i> , <b>2015</b> , 24, 7265-85	5.6	26
34	Cryostat Slice Irregularities May Introduce Bias in Tissue Thickness Estimation: Relevance for Cell Counting Methods. <i>Microscopy and Microanalysis</i> , <b>2015</b> , 21, 893-901	0.5	1
33	DARPP-32 interaction with adducin may mediate rapid environmental effects on striatal neurons. <i>Nature Communications</i> , <b>2015</b> , 6, 10099	17.4	27
32	Early L-dopa, but not pramipexole, restores basal ganglia activity in partially 6-OHDA-lesioned rats. <i>Neurobiology of Disease</i> , <b>2014</b> , 64, 36-47	7.5	10
31	B22 Normalisation Of Aberrant P75NTR Levels Prevents Hippocampal Synaptic And Cognitive Deficits And Ameliorates Cortico-striatal Dysfunction In Huntington Disease. <i>Journal of Neurology, Neurosurgery and Psychiatry</i> , <b>2014</b> , 85, A16-A17	5.5	
30	M15 Fingolimod (FTY720) Enhances Hippocampal Synaptic Plasticity and Memory in Huntington's Disease by Preventing P75NTR/TRKB Imbalance. <i>Journal of Neurology, Neurosurgery and Psychiatry</i> , <b>2014</b> , 85, A99-A99	5.5	
29	Prostaglandin E2 EP1 receptor antagonist improves motor deficits and rescues memory decline in R6/1 mouse model of Huntington's disease. <i>Molecular Neurobiology</i> , <b>2014</b> , 49, 784-95	6.2	22
28	Neurotrophin receptor p75(NTR) mediates Huntington's disease-associated synaptic and memory dysfunction. <i>Journal of Clinical Investigation</i> , <b>2014</b> , 124, 4411-28	15.9	71
27	Differential neuroprotective effects of 5'-deoxy-5'-methylthioadenosine. <i>PLoS ONE</i> , <b>2014</b> , 9, e90671	3.7	11
26	Suppressing aberrant GluN3A expression rescues synaptic and behavioral impairments in Huntington's disease models. <i>Nature Medicine</i> , <b>2013</b> , 19, 1030-8	50.5	79
25	Neurobehavioral characterization of Endonuclease G knockout mice reveals a new putative molecular player in the regulation of anxiety. <i>Experimental Neurology</i> , <b>2013</b> , 247, 122-9	5.7	2
24	PDE10 inhibition increases GluA1 and CREB phosphorylation and improves spatial and recognition memories in a Huntington's disease mouse model. <i>Hippocampus</i> , <b>2013</b> , 23, 684-95	3.5	56
23	Imbalance of p75(NTR)/TrkB protein expression in Huntington's disease: implication for neuroprotective therapies. <i>Cell Death and Disease</i> , <b>2013</b> , 4, e595	9.8	63
22	Regulation of hippocampal cGMP levels as a candidate to treat cognitive deficits in Huntington's disease. <i>PLoS ONE</i> , <b>2013</b> , 8, e73664	3.7	47
21	Age-dependent decline of motor neocortex but not hippocampal performance in heterozygous BDNF mice correlates with a decrease of cortical PSD-95 but an increase of hippocampal TrkB levels. <i>Experimental Neurology</i> , <b>2012</b> , 237, 335-45	5.7	21
20	SIRT3, a pivotal actor in mitochondrial functions: metabolism, cell death and aging. <i>Biochemical Journal</i> , <b>2012</b> , 444, 1-10	3.8	178

19	Activation of Elk-1 participates as a neuroprotective compensatory mechanism in models of Huntington's disease. <i>Journal of Neurochemistry</i> , <b>2012</b> , 121, 639-48	6	24
18	Cognitive Dysfunction in Huntington's Disease: Humans, Mouse Models and Molecular Mechanisms. <i>Journal of Huntingtons Disease</i> , <b>2012</b> , 1, 155-73	1.9	45
17	Long-term memory deficits in Huntington's disease are associated with reduced CBP histone acetylase activity. <i>Human Molecular Genetics</i> , <b>2012</b> , 21, 1203-16	5.6	109
16	Disease-specific phenotypes in dopamine neurons from human iPS-based models of genetic and sporadic Parkinson's disease. <i>EMBO Molecular Medicine</i> , <b>2012</b> , 4, 380-95	12	431
15	Striatal-enriched protein tyrosine phosphatase expression and activity in Huntington's disease: a STEP in the resistance to excitotoxicity. <i>Journal of Neuroscience</i> , <b>2011</b> , 31, 8150-62	6.6	55
14	Caveolin-1 deficiency causes cholesterol-dependent mitochondrial dysfunction and apoptotic susceptibility. <i>Current Biology</i> , <b>2011</b> , 21, 681-6	6.3	143
13	Conditional BDNF release under pathological conditions improves Huntington's disease pathology by delaying neuronal dysfunction. <i>Molecular Neurodegeneration</i> , <b>2011</b> , 6, 71	19	74
12	Increased PKA signaling disrupts recognition memory and spatial memory: role in Huntington's disease. <i>Human Molecular Genetics</i> , <b>2011</b> , 20, 4232-47	5.6	86
11	Thermogenic activation induces FGF21 expression and release in brown adipose tissue. <i>Journal of Biological Chemistry</i> , <b>2011</b> , 286, 12983-90	5.4	418
10	Peroxisome proliferator-activated receptor-gamma coactivator-1alpha controls transcription of the Sirt3 gene, an essential component of the thermogenic brown adipocyte phenotype. <i>Journal of Biological Chemistry</i> , <b>2011</b> , 286, 16958-66	5.4	145
9	BDNF regulation under GFAP promoter provides engineered astrocytes as a new approach for long-term protection in Huntington's disease. <i>Gene Therapy</i> , <b>2010</b> , 17, 1294-308	4	79
8	PH domain leucine-rich repeat protein phosphatase 1 contributes to maintain the activation of the PI3K/Akt pro-survival pathway in Huntington's disease striatum. <i>Cell Death and Differentiation</i> , <b>2010</b> , 17, 324-35	12.7	42
7	Age-dependent maintenance of motor control and corticostriatal innervation by death receptor 3. <i>Journal of Neuroscience</i> , <b>2010</b> , 30, 3782-92	6.6	18
6	Reduced calcineurin protein levels and activity in exon-1 mouse models of Huntington's disease: role in excitotoxicity. <i>Neurobiology of Disease</i> , <b>2009</b> , 36, 461-9	7.5	32
5	Cytotoxic effect of neuromyelitis optica antibody (NMO-IgG) to astrocytes: an in vitro study. <i>Journal of Neuroimmunology</i> , <b>2009</b> , 215, 31-5	3.5	81
4	Brain-derived neurotrophic factor modulates the severity of cognitive alterations induced by mutant huntingtin: involvement of phospholipase Cgamma activity and glutamate receptor expression. <i>Neuroscience</i> , <b>2009</b> , 158, 1234-50	3.9	91
3	Disruption of striatal glutamatergic transmission induced by mutant huntingtin involves remodeling of both postsynaptic density and NMDA receptor signaling. <i>Neurobiology of Disease</i> , <b>2008</b> , 29, 409-21	7.5	34
2	Dissociation between CA3-CA1 synaptic plasticity and associative learning in TgNTRK3 transgenic mice. <i>Journal of Neuroscience</i> , <b>2007</b> , 27, 2253-60	6.6	42

1 Translational profiling of mouse dopaminoceptive neurons reveals a role of PGE2 in dorsal striatum

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