Susana Aznar

List of Publications by Year
in descending order

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64 papers	2,750 citations	201575 27 h-index	182361 51 g-index
66 all docs	66 docs citations	66 times ranked	4656 citing authors

#	Article	IF	Citations
1	Blood BDNF concentrations reflect brain-tissue BDNF levels across species. International Journal of Neuropsychopharmacology, 2011, 14, 347-353.	1.0	533
2	Inflammatory bowel disease increases the risk of Parkinsonâ€™s disease: a Danish nationwide cohort study 1977â€“2014. Gut, 2019, 68, 18-24.	6.1	223
3	Measurements of brain-derived neurotrophic factor: Methodological aspects and demographical data. Brain Research Bulletin, 2007, 73, 143-149.	1.4	178
4	The 5-HT1A serotonin receptor is located on calbindin- and parvalbumin-containing neurons in the rat brain. Brain Research, 2003, 959, 58-67.	1.1	157
5	Alphaâ€synuclein aggregates activate calcium pump SERCA leading to calcium dysregulation. EMBO Reports, 2018, 19, .	2.0	88
6	AÎ²(1â€“42) injection causes memory impairment, lowered cortical and serum BDNF levels, and decreased hippocampal 5-HT2A levels. Experimental Neurology, 2008, 210, 164-171.	2.0	87
7	Depression and Alzheimer's Disease: Is Stress the Initiating Factor in a Common Neuropathological Cascade?. Journal of Alzheimer's Disease, 2011, 23, 177-193.	1.2	81
8	Assessment of brain reference genes for RT-qPCR studies in neurodegenerative diseases. Scientific Reports, 2016, 6, 37116.	1.6	79
9	The brain 5â€HT₄ receptor binding is downâ€regulated in the Flinders Sensitive Line depression model and in response to paroxetine administration. Journal of Neurochemistry, 2009, 109, 1363-1374.	2.1	77
10	Kv7 channels: interaction with dopaminergic and serotonergic neurotransmission in the CNS. Journal of Physiology, 2008, 586, 1823-1832.	1.3	73
11	Immunodetection of the serotonin transporter protein is a more valid marker for serotonergic fibers than serotonin. Synapse, 2006, 59, 270-276.	0.6	68
12	The 5-HT2A serotonin receptor in executive function: Implications for neuropsychiatric and neurodegenerative diseases. Neuroscience and Biobehavioral Reviews, 2016, 64, 63-82.	2.9	62
13	5-HT2A and mGlu2 receptor binding levels are related to differences in impulsive behavior in the Roman Low- (RLA) and High- (RHA) avoidance rat strains. Neuroscience, 2014, 263, 36-45.	1.1	60
14	Cytokine profiling in the prefrontal cortex of Parkinson's Disease and Multiple System Atrophy patients. Neurobiology of Disease, 2017, 106, 269-278.	2.1	58
15	Regulating Prefrontal Cortex Activation: An Emerging Role for the 5-HT2A Serotonin Receptor in the Modulation of Emotion-Based Actions?. Molecular Neurobiology, 2013, 48, 841-853.	1.9	50
16	Changes in 5-HT2A-mediated behavior and 5-HT2A- and 5-HT1A receptor binding and expression in conditional brain-derived neurotrophic factor knock-out mice. Neuroscience, 2010, 169, 1007-1016.	1.1	42
17	Striatal dopamine transporter binding correlates with serum BDNF levels in patients with striatal dopaminergic neurodegeneration. Neurobiology of Aging, 2012, 33, 428.e1-428.e5.	1.5	41
18	Non-serotonergic dorsal and median raphe projection onto parvalbumin- and calbindin-containing neurons in hippocampus and septum. Neuroscience, 2004, 124, 573-581.	1.1	39

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19	Central serotonin depletion affects rat brain areas differently: A qualitative and quantitative comparison between different treatment schemes. Neuroscience Letters, 2006, 392, 129-134.	1.0	34
20	Exacerbated loss of cell survival, neuropeptide Y-immunoreactive (IR) cells, and serotonin-IR fiber lengths in the dorsal hippocampus of the aged flinders sensitive line â€œdepressedâ€•rat: Implications for the pathophysiology of depression?. Journal of Neuroscience Research, 2006, 84, 1292-1302.	1.3	31
21	Enhanced prefrontal serotonin 2A receptor signaling in the subchronic phencyclidine mouse model of schizophrenia. Journal of Neuroscience Research, 2013, 91, 634-641.	1.3	31
22	?7 nicotinic receptor subunit is present on serotonin neurons projecting to hippocampus and septum. Synapse, 2005, 55, 196-200.	0.6	30
23	Whole blood BDNF levels in healthy twins discordant for affective disorder: Association to life events and neuroticism. Journal of Affective Disorders, 2008, 108, 165-169.	2.0	30
24	Differential expression of synaptic markers regulated during neurodevelopment in a rat model of schizophrenia-like behavior. Progress in Neuro-Psychopharmacology and Biological Psychiatry, 2019, 95, 109669.	2.5	30
25	PIAS2-mediated blockade of IFN-Î² signaling: a basis for sporadic Parkinson disease dementia. Molecular Psychiatry, 2021, 26, 6083-6099.	4.1	30
26	Plaque Deposition Dependent Decrease in 5-HT2A Serotonin Receptor in AÎ²PPswe/PS1dE9 Amyloid Overexpressing Mice. Journal of Alzheimer's Disease, 2010, 20, 1201-1213.	1.2	29
27	Changes in 5-HT4 receptor and 5-HT transporter binding in olfactory bulbectomized and glucocorticoid receptor heterozygous mice. Neurochemistry International, 2010, 56, 603-610.	1.9	29
28	Reduced cortical serotonin 5-HT2A receptor binding and glutamate activity in high compulsive drinker rats. Neuropharmacology, 2018, 143, 10-19.	2.0	29
29	Aging and depression vulnerability interaction results in decreased serotonin innervation associated with reduced BDNF levels in hippocampus of rats bred for learned helplessness. Synapse, 2010, 64, 561-565.	0.6	28
30	BDNF downregulates 5-HT2A receptor protein levels in hippocampal cultures. Neurochemistry International, 2009, 55, 697-702.	1.9	27
31	Distinct Autoimmune Anti-Î±-Synuclein Antibody Patterns in Multiple System Atrophy and Parkinsonâ€™s Disease. Frontiers in Immunology, 2019, 10, 2253.	2.2	27
32	Tryptophan depletion affects compulsive behaviour in rats: strain dependent effects and associated neuromechanisms. Psychopharmacology, 2017, 234, 1223-1236.	1.5	26
33	Cognitive and histological disturbances after chlorpyrifos exposure and chronic AÎ²(1â€“42) infusions in Wistar rats. NeuroToxicology, 2011, 32, 836-844.	1.4	25
34	Differences in 5-HT2A and mGlu2 Receptor Expression Levels and Repressive Epigenetic Modifications at the 5-HT2A Promoter Region in the Roman Low- (RLA-I) and High- (RHA-I) Avoidance Rat Strains. Molecular Neurobiology, 2018, 55, 1998-2012.	1.9	25
35	Prenatal nicotine exposure in mice induces sex-dependent anxiety-like behavior, cognitive deficits, hyperactivity, and changes in the expression of glutamate receptor associated-genes in the prefrontal cortex. Pharmacology Biochemistry and Behavior, 2020, 195, 172951.	1.3	25
36	Activation of glucocorticoid receptors increases 5-HT2A receptor levels. Experimental Neurology, 2009, 218, 83-91.	2.0	23

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37	Cellular and Molecular Changes in Hippocampal Glutamate Signaling and Alterations in Learning, Attention, and Impulsivity Following Prenatal Nicotine Exposure. Molecular Neurobiology, 2020, 57, 2002-2020.	1.9	21
38	Epigenetic modulation of AREL1 and increased HLA expression in brains of multiple system atrophy patients. Acta Neuropathologica Communications, 2020, 8, 29.	2.4	19
39	Neurobehavioral and neurodevelopmental profiles of a heuristic genetic model of differential schizophrenia- and addiction-relevant features: The RHA vs. RLA rats. Neuroscience and Biobehavioral Reviews, 2021, 131, 597-617.	2.9	18
40	Differential effects of antipsychotic and propsychotic drugs on prepulse inhibition and locomotor activity in Roman high- (RHA) and low-avoidance (RLA) rats. Psychopharmacology, 2017, 234, 957-975.	1.5	16
41	Novelty-induced activity-regulated cytoskeletal-associated protein (Arc) expression in frontal cortex requires serotonin 2A receptor activation. Neuroscience, 2011, 190, 251-257.	1.1	14
42	Cerebral 5-HT_{2A} Receptor and Serotonin Transporter Binding in Humans Are Not Affected by the val66met BDNF Polymorphism Status or Blood BDNF Levels. Journal of Cerebral Blood Flow and Metabolism, 2010, 30, e1-e7.	2.4	13
43	Cerebrospinal fluid and plasma distribution of anti-Î±-synuclein IgMs and IgGs in multiple system atrophy and Parkinson's disease. Parkinsonism and Related Disorders, 2021, 87, 98-104.	1.1	13
44	Dissociation between schizophrenia-relevant behavioral profiles and volumetric brain measures after long-lasting social isolation in Roman rats. Neuroscience Research, 2020, 155, 43-55.	1.0	12
45	TDP-43â€“specific Autoantibody Decline in Patients With Amyotrophic Lateral Sclerosis. Neurology: Neuroimmunology and NeuroInflammation, 2021, 8, .	3.1	10
46	Increased amygdala and decreased hippocampus volume after schedule-induced polydipsia in high drinker compulsive rats. Behavioural Brain Research, 2020, 390, 112592.	1.2	10
47	Increased prefrontal cortex interleukin-2 protein levels and shift in the peripheral T cell population in progressive supranuclear palsy patients. Scientific Reports, 2019, 9, 7781.	1.6	9
48	Authorsâ€™ response: Association between IBD and Parkinsonâ€™s disease: seek and you shall find?. Gut, 2019, 68, 1722.2-1722.	6.1	9
49	Selective immunolesion of cholinergic neurons leads to long-term changes in 5-HT2A receptor levels in hippocampus and frontal cortex. Neuroscience Letters, 2007, 428, 47-51.	1.0	8
50	Involvement of serotonin 2A receptor activation in modulating medial prefrontal cortex and amygdala neuronal activation during novelty-exposure. Behavioural Brain Research, 2017, 326, 1-12.	1.2	8
51	Metabotropic Glutamate Receptor 2 and Dopamine Receptor 2 Gene Expression Predict Sensorimotor Gating Response in the Genetically Heterogeneous NIH-HS Rat Strain. Molecular Neurobiology, 2020, 57, 1516-1528.	1.9	8
52	c-JUN, KROX-24, and c-FOS Expression in Hippocampal Grafts Placed in Excitotoxic Hippocampal Lesions of the Rat. Experimental Neurology, 1995, 136, 205-211.	2.0	7
53	Serotonin depletion results in a decrease of the neuronal activation caused by rivastigmine in the rat hippocampus. Brain Research, 2006, 1073-1074, 262-268.	1.1	7
54	In vivo tensor-valued diffusion MRI of focal demyelination in white and deep grey matter of rodents. NeuroImage: Clinical, 2021, 30, 102675.	1.4	7

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55	The Microtubule-Associated Protein 1A (MAP1A) is an Early Molecular Target of Soluble AÎ²-Peptide. Cellular and Molecular Neurobiology, 2012, 32, 561-566.	1.7	6
56	Oxytocin attenuates schizophrenia-like reduced sensorimotor gating in outbred and inbred rats in line with strain differences in CD38 gene expression. Physiology and Behavior, 2021, 240, 113547.	1.0	6
57	Brain proteome profiling implicates the complement and coagulation cascade in multiple system atrophy brain pathology. Cellular and Molecular Life Sciences, 2022, 79, .	2.4	6
58	No effect of MDMA (ecstasy) on cell death and 5-HT2A receptor density in organotypic rat hippocampal cultures. Neuroscience Letters, 2004, 362, 6-9.	1.0	5
59	5-HT_{2A}Receptor Binding in the Frontal Cortex of Parkinsonâ€™s Disease Patients and Alpha-Synuclein Overexpressing Mice: A Postmortem Study. Parkinson's Disease, 2016, 2016, 1-8.	0.6	5
60	Alpha-Synuclein Autoimmune Decline in Prodromal Multiple System Atrophy and Parkinsonâ€™s Disease. International Journal of Molecular Sciences, 2022, 23, 6554.	1.8	3
61	Connective integration of hippocampal grafts in excitotoxic hippocampal lesions in adult rats: an anterograde axonal tracing study. Restorative Neurology and Neuroscience, 1996, 10, 13-24.	0.4	2
62	Serotonin induces a decrease of 5-HT1A immunoreactivity in organotypic hippocampal cultures. NeuroReport, 2001, 12, 3909-3912.	0.6	2
63	Transient forebrain ischemia-induced neuronal degeneration in fascia dentata transplants. Restorative Neurology and Neuroscience, 1994, 6, 239-249.	0.4	0
64	DNAJB6b is Downregulated in Synucleinopathies. Journal of Parkinson's Disease, 2021, 11, 1-13.	1.5	0