

Regina Rodrigo

List of Publications by Citations

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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.

60
papers

2,187
citations

26
h-index

46
g-index

66
ext. papers

2,444
ext. citations

5.1
avg. IF

4.37
L-index

#	Paper	IF	Citations
60	Hyperammonemia induces neuroinflammation that contributes to cognitive impairment in rats with hepatic encephalopathy. <i>Gastroenterology</i> , 2010 , 139, 675-84	13.3	224
59	Inflammation and hepatic encephalopathy: ibuprofen restores learning ability in rats with portacaval shunts. <i>Hepatology</i> , 2007 , 46, 514-9	11.2	162
58	Oral administration of sildenafil restores learning ability in rats with hyperammonemia and with portacaval shunts. <i>Hepatology</i> , 2005 , 41, 299-306	11.2	131
57	Brain edema and inflammatory activation in bile duct ligated rats with diet-induced hyperammonemia: A model of hepatic encephalopathy in cirrhosis. <i>Hepatology</i> , 2006 , 43, 1257-66	11.2	122
56	Glutamine synthetase activity and glutamine content in brain: modulation by NMDA receptors and nitric oxide. <i>Neurochemistry International</i> , 2003 , 43, 493-9	4.4	121
55	Glutamatergic and gabaergic neurotransmission and neuronal circuits in hepatic encephalopathy. <i>Metabolic Brain Disease</i> , 2009 , 24, 69-80	3.9	103
54	Brain cholinergic impairment in liver failure. <i>Brain</i> , 2008 , 131, 2946-56	11.2	74
53	Region selective alterations of soluble guanylate cyclase content and modulation in brain of cirrhotic patients. <i>Hepatology</i> , 2002 , 36, 1155-62	11.2	65
52	Neuroinflammation contributes to hypokinesia in rats with hepatic encephalopathy: ibuprofen restores its motor activity. <i>Journal of Neuroscience Research</i> , 2009 , 87, 1369-74	4.4	55
51	Targeted next generation sequencing for molecular diagnosis of Usher syndrome. <i>Orphanet Journal of Rare Diseases</i> , 2014 , 9, 168	4.2	52
50	NMDA receptors in hyperammonemia and hepatic encephalopathy. <i>Metabolic Brain Disease</i> , 2007 , 22, 321-35	3.9	52
49	Altered antioxidant-oxidant status in the aqueous humor and peripheral blood of patients with retinitis pigmentosa. <i>PLoS ONE</i> , 2013 , 8, e74223	3.7	52
48	Brain region-selective mechanisms contribute to the progression of cerebral alterations in acute liver failure in rats. <i>Gastroenterology</i> , 2011 , 140, 638-45	13.3	50
47	p38 MAP kinase is a therapeutic target for hepatic encephalopathy in rats with portacaval shunts. <i>Gut</i> , 2011 , 60, 1572-9	19.2	49
46	Mechanisms of cognitive alterations in hyperammonemia and hepatic encephalopathy: therapeutical implications. <i>Neurochemistry International</i> , 2009 , 55, 106-12	4.4	49
45	Role of NMDA receptors in acute liver failure and ammonia toxicity: therapeutical implications. <i>Neurochemistry International</i> , 2009 , 55, 113-8	4.4	48
44	Mutational screening of the USH2A gene in Spanish USH patients reveals 23 novel pathogenic mutations. <i>Orphanet Journal of Rare Diseases</i> , 2011 , 6, 65	4.2	41

43	UV protection from cotton fabrics dyed with different tea extracts. <i>Dyes and Pigments</i> , 2016 , 134, 448-452	4.6	41
42	Proteome analysis of primary neurons and astrocytes from rat cerebellum. <i>Journal of Proteome Research</i> , 2005 , 4, 768-88	5.6	37
41	Chronic hyperammonemia reduces the activity of neuronal nitric oxide synthase in cerebellum by altering its localization and increasing its phosphorylation by calcium-calmodulin kinase II. <i>Journal of Neurochemistry</i> , 2008 , 106, 1440-9	6	36
40	Adalimumab Reduces Photoreceptor Cell Death in A Mouse Model of Retinal Degeneration. <i>Scientific Reports</i> , 2015 , 5, 11764	4.9	35
39	Phosphate-activated glutaminase activity is enhanced in brain, intestine and kidneys of rats following portacaval anastomosis. <i>World Journal of Gastroenterology</i> , 2006 , 12, 2406-11	5.6	34
38	Cyclic GMP pathways in hepatic encephalopathy. Neurological and therapeutic implications. <i>Metabolic Brain Disease</i> , 2010 , 25, 39-48	3.9	32
37	Glutamate-induced activation of nitric oxide synthase is impaired in cerebral cortex in vivo in rats with chronic liver failure. <i>Journal of Neurochemistry</i> , 2007 , 102, 51-64	6	31
36	cGMP modulates stem cells differentiation to neurons in brain in vivo. <i>Neuroscience</i> , 2010 , 165, 1275-83	3.9	29
35	Hyperammonaemia alters the mechanisms by which metabotropic glutamate receptors in nucleus accumbens modulate motor function. <i>Journal of Neurochemistry</i> , 2007 , 103, 38-46	6	27
34	Acute liver failure-induced death of rats is delayed or prevented by blocking NMDA receptors in brain. <i>American Journal of Physiology - Renal Physiology</i> , 2008 , 295, G503-11	5.1	26
33	Chronic hyperammonemia induces tonic activation of NMDA receptors in cerebellum. <i>Journal of Neurochemistry</i> , 2010 , 112, 1005-14	6	25
32	Control of brain glutamine synthesis by NMDA receptors. <i>Frontiers in Bioscience - Landmark</i> , 2007 , 12, 883-90	2.8	24
31	Cerebral oedema is not responsible for motor or cognitive deficits in rats with hepatic encephalopathy. <i>Liver International</i> , 2014 , 34, 379-87	7.9	23
30	Neurons exposed to ammonia reproduce the differential alteration in nitric oxide modulation of guanylate cyclase in the cerebellum and cortex of patients with liver cirrhosis. <i>Neurobiology of Disease</i> , 2005 , 19, 150-61	7.5	23
29	Animal models in the study of episodic hepatic encephalopathy in cirrhosis. <i>Metabolic Brain Disease</i> , 2005 , 20, 399-408	3.9	22
28	Alterations in soluble guanylate cyclase content and modulation by nitric oxide in liver disease. <i>Neurochemistry International</i> , 2004 , 45, 947-53	4.4	21
27	Oxidative Stress, a Crossroad Between Rare Diseases and Neurodegeneration. <i>Antioxidants</i> , 2020 , 9,	7.1	20
26	Phosphodiesterase inhibition induces retinal degeneration, oxidative stress and inflammation in cone-enriched cultures of porcine retina. <i>Experimental Eye Research</i> , 2013 , 111, 122-33	3.7	20

25	Study of USH1 splicing variants through minigenes and transcript analysis from nasal epithelial cells. <i>PLoS ONE</i> , 2013 , 8, e57506	3.7	20
24	Bile duct ligation plus hyperammonemia in rats reproduces the alterations in the modulation of soluble guanylate cyclase by nitric oxide in brain of cirrhotic patients. <i>Neuroscience</i> , 2005 , 130, 435-43	3.9	20
23	Brain regional alterations in the modulation of the glutamate-nitric oxide-cGMP pathway in liver cirrhosis. Role of hyperammonemia and cell types involved. <i>Neurochemistry International</i> , 2006 , 48, 472-4	4.4	18
22	HIF-1 β stabilization reduces retinal degeneration in a mouse model of retinitis pigmentosa. <i>FASEB Journal</i> , 2018 , 32, 2438-2451	0.9	16
21	Polychlorinated biphenyls PCB 153 and PCB 126 impair the glutamate-nitric oxide-cGMP pathway in cerebellar neurons in culture by different mechanisms. <i>Neurotoxicity Research</i> , 2009 , 16, 97-105	4.3	15
20	Infliximab reduces Zaprinas-induced retinal degeneration in cultures of porcine retina. <i>Journal of Neuroinflammation</i> , 2014 , 11, 172	10.1	14
19	Altered modulation of soluble guanylate cyclase in lymphocytes from patients with liver disease. <i>Journal of Molecular Medicine</i> , 2002 , 80, 117-23	5.5	14
18	Retinal Inflammation, Cell Death and Inherited Retinal Dystrophies. <i>International Journal of Molecular Sciences</i> , 2021 , 22,	6.3	14
17	Chronic hyperammonemia alters protein phosphorylation and glutamate receptor-associated signal transduction in brain. <i>Neurochemistry International</i> , 2002 , 41, 103-8	4.4	13
16	Chronic hyperammonemia in rats impairs activation of soluble guanylate cyclase in neurons and in lymphocytes: a putative peripheral marker for neurological alterations. <i>Biochemical and Biophysical Research Communications</i> , 1999 , 257, 405-9	3.4	13
15	Haemodynamic effects of long-term administration of sildenafil in normotensive pregnant and non-pregnant rats. <i>BJOG: an International Journal of Obstetrics and Gynaecology</i> , 2011 , 118, 615-23	3.7	12
14	cGMP-Phosphodiesterase Inhibition Prevents Hypoxia-Induced Cell Death Activation in Porcine Retinal Explants. <i>PLoS ONE</i> , 2016 , 11, e0166717	3.7	10
13	Two novel disease-causing mutations in the CLRN1 gene in patients with Usher syndrome type 3. <i>Molecular Vision</i> , 2012 , 18, 3070-8	2.3	9
12	Altered modulation of motor activity by group I metabotropic glutamate receptors in the nucleus accumbens in hyperammonemic rats. <i>Metabolic Brain Disease</i> , 2005 , 20, 347-58	3.9	8
11	Mass spectrometrical analysis of galectin proteins in primary rat cerebellar astrocytes. <i>Neurochemical Research</i> , 2006 , 31, 945-55	4.6	7
10	Intravitreal administration of adalimumab delays retinal degeneration in rd10 mice. <i>FASEB Journal</i> , 2020 , 34, 13839-13861	0.9	7
9	Pharmacological manipulation of cyclic GMP levels in brain restores learning ability in animal models of hepatic encephalopathy: therapeutic implications. <i>Neuropsychiatric Disease and Treatment</i> , 2006 , 2, 53-63	3.1	5
8	Nutraceutical Supplementation Ameliorates Visual Function, Retinal Degeneration, and Redox Status in rd10 Mice. <i>Antioxidants</i> , 2021 , 10,	7.1	5

7	Novel mutations in the USH1C gene in Usher syndrome patients. <i>Molecular Vision</i> , 2010 , 16, 2948-54	2.3	4
6	Bioelectrochemical monitoring of soluble guanylate cyclase inhibition by the natural barbofine canthin-6-one. <i>Journal of Molecular Structure</i> , 2017 , 1134, 661-667	3.4	3
5	Selective regional alterations in the content or distribution of neuronal and glial cytoskeletal proteins in brain of rats chronically exposed to 2,5-hexanedione. <i>Toxicology and Industrial Health</i> , 2002 , 18, 333-41	1.8	2
4	cGMP modulates stem cells differentiation to neurons in brain in vivo pathological implications. <i>BMC Pharmacology</i> , 2011 , 11,		1
3	Redox Status, Dose and Antioxidant Intake in Healthcare Workers Occupationally Exposed to Ionizing Radiation. <i>Antioxidants</i> , 2020 , 9,	7.1	1
2	NUTRARET: Effect of 2-Year Nutraceutical Supplementation on Redox Status and Visual Function of Patients With Retinitis Pigmentosa: A Randomized, Double-Blind, Placebo-Controlled Trial.. <i>Frontiers in Nutrition</i> , 2022 , 9, 847910	6.2	0
1	[Decreased DNA hydroxymethylation and increased DNA demethylation are associated with high antioxidant response in systemic lupus erythematosus patients]. <i>Medicina Clínica</i> , 2021 , 157, 575-579		1