Javier Carrasco

List of Publications by Year
in descending order

57 papers	2,727 citations	147801 31 h-index	189892 50 g-index
58 all docs	58 docs citations	58 times ranked	2292 citing authors

#	Article	IF	Citations
1	Strongly compromised inflammatory response to brain injury in interleukin-6-deficient mice. , 1999, 25, 343-357.		171
2	CNS Wound Healing Is Severely Depressed in Metallothionein I- and II-Deficient Mice. Journal of Neuroscience, 1999, 19, 2535-2545.	3.6	147
3	Impaired inflammatory response and increased oxidative stress and neurodegeneration after brain injury in interleukin-6-deficient mice. Glia, 2000, 32, 271-285.	4.9	139
4	Redefining the Role of Metallothionein within the Injured Brain. Journal of Biological Chemistry, 2008, 283, 15349-15358.	3.4	130
5	Astrocyte-targeted expression of IL-6 protects the CNSagainst a focal brain injury. Experimental Neurology, 2003, 181, 130-148.	4.1	127
6	Enhanced seizures and hippocampal neurodegeneration following kainic acidâ€induced seizures in metallothioneinâ€iâ€ƒ+â€ƒIIâ€deficient mice. European Journal of Neuroscience, 2000, 12, 2311-2322.	2.6	122
7	Metallothionein reduces central nervous system inflammation, neurodegeneration, and cell death following kainic acidâ€induced epileptic seizures. Journal of Neuroscience Research, 2005, 79, 522-534.	2.9	119
8	Identification of a signal transducer and activator of transcription (STAT) binding site in the mouse metallothionein-I promoter involved in interleukin-6-induced gene expression. Biochemical Journal, 1999, 337, 59-65.	3.7	89
9	Altered Central Nervous System Cytokine-Growth Factor Expression Profiles and Angiogenesis in Metallothionein-I+II Deficient Mice. Journal of Cerebral Blood Flow and Metabolism, 2000, 20, 1174-1189.	4.3	87
10	Metallothionein (MT)-III: Generation of Polyclonal Antibodies, Comparison With MT-I+II in the Freeze Lesioned Rat Brain and in a Bioassay With Astrocytes, and Analysis of Alzheimer's Disease Brains. Journal of Neurotrauma, 1999, 16, 1115-1129.	3.4	79
11	Metallothionein-1+2 Deficiency Increases Brain Pathology in Transgenic Mice with Astrocyte-Targeted Expression of Interleukin 6. Neurobiology of Disease, 2002, 9, 319-338.	4.4	62
12	Identification of a signal transducer and activator of transcription (STAT) binding site in the mouse metallothionein-I promoter involved in interleukin-6-induced gene expression. Biochemical Journal, 1999, 337, 59.	3.7	60
13	Characterization of central and peripheral components of the hypothalamusâ€“pituitaryâ€“adrenal axis in the inbred Roman rat strains. Psychoneuroendocrinology, 2008, 33, 437-445.	2.7	60
14	Zinc or Copper Deficiency-Induced Impaired Inflammatory Response to Brain Trauma May Be Caused by the Concomitant Metallothionein Changes. Journal of Neurotrauma, 2001, 18, 447-463.	3.4	57
15	Metallothionein-I and -III expression in animal models of Alzheimer disease. Neuroscience, 2006, 143, 911-922.	2.3	57
16	Metallothionein-III Prevents Glutamate and Nitric Oxide Neurotoxicity in Primary Cultures of Cerebellar Neurons. Journal of Neurochemistry, 2001, 75, 266-273.	3.9	56
17	Metallothionein and brain inflammation. Journal of Biological Inorganic Chemistry, 2011, 16, 1103-1113.	2.6	56
18	Evidence that metyrapone can act as a stressor: effect on pituitary-adrenal hormones, plasma glucose and brain c-fos induction. European Journal of Neuroscience, 2002, 16, 693-700.	2.6	55

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19	Expression of Metallothionein-I, -II, and -III in Alzheimer Disease and Animal Models of Neuroinflammation. Experimental Biology and Medicine, 2006, 231, 1450-1458.	2.4	55
20	METALLOTHIONEIN INDUCTION BY RESTRAINT STRESS: ROLE OF GLUCOCORTICOIDS AND IL-6. Cytokine, 2000, 12, 791-796.	3.2	53
21	Validation of the longâ€term assessment of hypothalamicâ€pituitaryâ€adrenal activity in rats using hair corticosterone as a biomarker. FASEB Journal, 2015, 29, 859-867.	0.5	50
22	Localization of Metallothionein-I and -III Expression in the CNS of Transgenic Mice with Astrocyte-Targeted Expression of Interleukin 6. Experimental Neurology, 1998, 153, 184-194.	4.1	49
23	Role of metallothionein-III following central nervous system damage. Neurobiology of Disease, 2003, 13, 22-36.	4.4	49
24	Brain response to traumatic brain injury in wildâ€type and interleukinâ€6 knockout mice: a microarray analysis. Journal of Neurochemistry, 2005, 92, 417-432.	3.9	48
25	Interleukin-6 and tumor necrosis factor-Î± type 1 receptor deficient mice reveal a role of IL-6 and TNF-Î± on brain metallothionein-I and -III regulation. Molecular Brain Research, 1998, 57, 221-234.	2.3	45
26	Novel roles for metallothioneinâ€I + II (MTâ€I + II) in defense responses, neurogenesis, and tissue restoration after traumatic brain injury: Insights from global gene expression profiling in wildâ€type and MTâ€I + II knockout mice. Journal of Neuroscience Research, 2006, 84, 1452-1474.	2.9	45
27	Characterization of the role of metallothionein-3 in an animal model of Alzheimerâ€™s disease. Cellular and Molecular Life Sciences, 2012, 69, 3683-3700.	5.4	45
28	[23] Metallothionein expression and oxidative stress in the brain. Methods in Enzymology, 2002, 348, 238-249.	1.0	42
29	Expression of Growth Inhibitory Factor (Metallothionein-III) mRNA and Protein Following Excitotoxic Immature Brain Injury. Journal of Neuropathology and Experimental Neurology, 1999, 58, 389-397.	1.7	39
30	Metallothionein-I Overexpression Decreases Brain Pathology in Transgenic Mice with Astrocyte-Targeted Expression of Interleukin-6. Journal of Neuropathology and Experimental Neurology, 2003, 62, 315-328.	1.7	39
31	Metallothionein-I overexpression alters brain inflammation and stimulates brain repair in transgenic mice with astrocyte-targeted interleukin-6 expression. Glia, 2003, 42, 287-306.	4.9	38
32	Metallothioneins Are Upregulated in Symptomatic Mice with Astrocyte-Targeted Expression of Tumor Necrosis Factor-Î±. Experimental Neurology, 2000, 163, 46-54.	4.1	34
33	IL-6 and TNF-Î± in unmedicated adults with ADHD: Relationship to cortisol awakening response. Psychoneuroendocrinology, 2017, 79, 67-73.	2.7	32
34	Astrocyte-Targeted Expression of Interleukin-3 and Interferon-Î± Causes Region-Specific Changes in Metallothionein Expression in the Brain. Experimental Neurology, 2001, 168, 334-346.	4.1	31
35	Role of metallothioneins in peripheral nerve function and regeneration. Cellular and Molecular Life Sciences, 2003, 60, 1209-1216.	5.4	31
36	Muscle-specific interleukin-6 deletion influences body weight and body fat in a sex-dependent manner. Brain, Behavior, and Immunity, 2014, 40, 121-130.	4.1	28

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37	The effects of chronic food restriction on hypothalamicâ€“pituitaryâ€“adrenal activity depend on morning versus evening availability of food. Pharmacology Biochemistry and Behavior, 2005, 81, 41-46.	2.9	27
38	Characterization of the role of the antioxidant proteins metallothioneins 1 and 2 in an animal model of Alzheimerâ€™s disease. Cellular and Molecular Life Sciences, 2012, 69, 3665-3681.	5.4	27
39	Metallothionein prevents neurodegeneration and central nervous system cell death after treatment with gliotoxin 6-aminonicotinamide. Journal of Neuroscience Research, 2004, 77, 35-53.	2.9	26
40	Behavioral and neuroendocrine consequences of juvenile stress combined with adult immobilization in male rats. Hormones and Behavior, 2014, 66, 475-486.	2.1	24
41	Increased Cardiovascular and Anxiety Outcomes but Not Endocrine Biomarkers of Stress During Performance of Endoscopic Sinus Surgery. JAMA Otolaryngology, 2011, 137, 487.	1.2	22
42	Diverging mechanisms for TNFâ€Î± receptors in normal mouse brains and in functional recovery after injury: From gene to behavior. Journal of Neuroscience Research, 2007, 85, 2668-2685.	2.9	21
43	Sex-dependent impact of early-life stress and adult immobilization in the attribution of incentive salience in rats. PLoS ONE, 2018, 13, e0190044.	2.5	18
44	Overexpression of Metallothionein-1 Modulates the Phenotype of the Tg2576 Mouse Model of Alzheimerâ€™s Disease. Journal of Alzheimer's Disease, 2016, 51, 81-95.	2.6	17
45	Emotional responses to a negative emotion induction procedure in Borderline Personality Disorder. International Journal of Clinical and Health Psychology, 2013, 13, 9-17.	5.1	14
46	Evidence against a critical role of CB1 receptors in adaptation of the hypothalamicâ€“pituitaryâ€“adrenal axis and other consequences of daily repeated stress. European Neuropsychopharmacology, 2015, 25, 1248-1259.	0.7	14
47	Interleukinâ€6 deletion in mice driven by a<scp>P</scp>2â€<scp>C</scp>reâ€<scp>ERT</scp>2 prevents against highâ€fat dietâ€induced gain weight and adiposity in female mice. Acta Physiologica, 2014, 211, 585-596.	3.8	13
48	Chlorella vulgaris reduces the impact of stress on hypothalamicâ€“pituitaryâ€“adrenal axis and brain c-fos expression. Psychoneuroendocrinology, 2016, 65, 1-8.	2.7	12
49	Male long-Evans rats: An outbred model of marked hypothalamic-pituitary-adrenal hyperactivity. Neurobiology of Stress, 2021, 15, 100355.	4.0	12
50	Effect of dietary zinc deficiency on brain metallothionein-I and -III mRNA levels during stress and inflammation. Neurochemistry International, 2000, 36, 555-562.	3.8	11
51	Influence of Transgenic Metallothionein-1 on Gliosis, CA1 Neuronal Loss, and Brain Metal Levels of the Tg2576 Mouse Model of Alzheimerâ€™s Disease. International Journal of Molecular Sciences, 2017, 18, 251.	4.1	8
52	Muscular interleukin-6 differentially regulates skeletal muscle adaptation to high-fat diet in a sex-dependent manner. Cytokine, 2015, 74, 145-151.	3.2	5
53	The comparison of mouse full metallothioneinâ€1 versus Î± and Î² domains and metallothioneinâ€1â€toâ€3 mutation following traumatic brain injury reveals different biological motifs. Journal of Neuroscience Research, 2010, 88, 1708-1718.	2.9	4
54	Strongly compromised inflammatory response to brain injury in interleukinâ€6â€deficient mice. Glia, 1999, 25, 343-357.	4.9	4

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55	Liver and brain metallothionein regulation in transgenic mice overexpressing interleukin-6 and in mice carrying a null mutation in the interleukin-6 gene. , 1999, , 363-370.		4
56	Absence of metallothionein-3 produces changes on MT-1/2 regulation in basal conditions and alters hypothalamic-pituitaryâ€“adrenal (HPA) axis. Neurochemistry International, 2014, 74, 65-73.	3.8	1
57	Molecular aspects of metallothioneins in dementias. , 2020, , 115-130.		0