

# Juan Hidalgo

## List of Publications by Citations

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217  
papers

9,576  
citations

52  
h-index

88  
g-index

228  
ext. papers

10,563  
ext. citations

5.7  
avg, IF

5.8  
L-index

#	Paper	IF	Citations
217	Interleukin-6, a major cytokine in the central nervous system. <i>International Journal of Biological Sciences</i> , <b>2012</b> , 8, 1254-66	11.2	573
216	Roles of the metallothionein family of proteins in the central nervous system. <i>Brain Research Bulletin</i> , <b>2001</b> , 55, 133-45	3.9	341
215	ER stress cooperates with hypernutrition to trigger TNF-dependent spontaneous HCC development. <i>Cancer Cell</i> , <b>2014</b> , 26, 331-343	24.3	284
214	MHC class II-dependent B cell APC function is required for induction of CNS autoimmunity independent of myelin-specific antibodies. <i>Journal of Experimental Medicine</i> , <b>2013</b> , 210, 2921-37	16.6	268
213	AMPK activity is diminished in tissues of IL-6 knockout mice: the effect of exercise. <i>Biochemical and Biophysical Research Communications</i> , <b>2004</b> , 320, 449-54	3.4	223
212	Trans-presentation of IL-6 by dendritic cells is required for the priming of pathogenic T17 cells. <i>Nature Immunology</i> , <b>2017</b> , 18, 74-85	19.1	214
211	PGC-1alpha is not mandatory for exercise- and training-induced adaptive gene responses in mouse skeletal muscle. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , <b>2008</b> , 294, E463-74	6	179
210	Metallothionein in the central nervous system: Roles in protection, regeneration and cognition. <i>NeuroToxicology</i> , <b>2008</b> , 29, 489-503	4.4	147
209	Trans-signaling is a dominant mechanism for the pathogenic actions of interleukin-6 in the brain. <i>Journal of Neuroscience</i> , <b>2014</b> , 34, 2503-13	6.6	145
208	Strongly compromised inflammatory response to brain injury in interleukin-6-deficient mice <b>1999</b> , 25, 343-357		141
207	CNS wound healing is severely depressed in metallothionein I- and II-deficient mice. <i>Journal of Neuroscience</i> , <b>1999</b> , 19, 2535-45	6.6	138
206	Interleukin-6 regulation of AMP-activated protein kinase. Potential role in the systemic response to exercise and prevention of the metabolic syndrome. <i>Diabetes</i> , <b>2006</b> , 55 Suppl 2, S48-54	0.9	137
205	Impaired inflammatory response and increased oxidative stress and neurodegeneration after brain injury in interleukin-6-deficient mice. <i>Glia</i> , <b>2000</b> , 32, 271-85	9	132
204	The role of PGC-1alpha on mitochondrial function and apoptotic susceptibility in muscle. <i>American Journal of Physiology - Cell Physiology</i> , <b>2009</b> , 297, C217-25	5.4	128
203	Interleukin-6 deficiency reduces the brain inflammatory response and increases oxidative stress and neurodegeneration after kainic acid-induced seizures. <i>Neuroscience</i> , <b>2001</b> , 102, 805-18	3.9	120
202	Role of IL-6 in exercise training- and cold-induced UCP1 expression in subcutaneous white adipose tissue. <i>PLoS ONE</i> , <b>2014</b> , 9, e84910	3.7	117
201	Evidence that the pituitary-adrenal axis does not cross-adapt to stressors: comparison to other physiological variables. <i>Neuroendocrinology</i> , <b>1988</b> , 47, 263-7	5.6	117

200	Redefining the role of metallothionein within the injured brain: extracellular metallothioneins play an important role in the astrocyte-neuron response to injury. <i>Journal of Biological Chemistry</i> , <b>2008</b> , 283, 15349-58	5.4	114
199	Metallothionein-1+2 protect the CNS after a focal brain injury. <i>Experimental Neurology</i> , <b>2002</b> , 173, 114-28	3.7	112
198	Metallothionein reduces central nervous system inflammation, neurodegeneration, and cell death following kainic acid-induced epileptic seizures. <i>Journal of Neuroscience Research</i> , <b>2005</b> , 79, 522-34	4.4	111
197	Astrocyte-targeted expression of IL-6 protects the CNS against a focal brain injury. <i>Experimental Neurology</i> , <b>2003</b> , 181, 130-48	5.7	110
196	Enhanced seizures and hippocampal neurodegeneration following kainic acid-induced seizures in metallothionein-I + II-deficient mice. <i>European Journal of Neuroscience</i> , <b>2000</b> , 12, 2311-22	3.5	110
195	Vascular niche IL-6 induces alternative macrophage activation in glioblastoma through HIF-2 $\alpha$ . <i>Nature Communications</i> , <b>2018</b> , 9, 559	17.4	95
194	Regulation of adipose tissue inflammation by interleukin 6. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2020</b> , 117, 2751-2760	11.5	94
193	Metallothionein treatment reduces proinflammatory cytokines IL-6 and TNF-alpha and apoptotic cell death during experimental autoimmune encephalomyelitis (EAE). <i>Experimental Neurology</i> , <b>2001</b> , 170, 1-14	5.7	91
192	PGC-1alpha mediates exercise-induced skeletal muscle VEGF expression in mice. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , <b>2009</b> , 297, E92-103	6	90
191	Site-specific production of IL-6 in the central nervous system retargets and enhances the inflammatory response in experimental autoimmune encephalomyelitis. <i>Journal of Immunology</i> , <b>2009</b> , 183, 2079-88	5.3	89
190	Metallothionein I+II expression and their role in experimental autoimmune encephalomyelitis. <i>Glia</i> , <b>2000</b> , 32, 247-63	9	88
189	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. <i>Biochemical Journal</i> , <b>1999</b> , 337, 59-65	3.8	87
188	Exercise normalises overexpression of TNF-alpha in knockout mice. <i>Biochemical and Biophysical Research Communications</i> , <b>2004</b> , 321, 179-82	3.4	85
187	Metallothionein isoform 2A expression is inducible and protects against ROS-mediated cell death in rotenone-treated HeLa cells. <i>Biochemical Journal</i> , <b>2006</b> , 395, 405-15	3.8	81
186	Altered central nervous system cytokine-growth factor expression profiles and angiogenesis in metallothionein-I+II deficient mice. <i>Journal of Cerebral Blood Flow and Metabolism</i> , <b>2000</b> , 20, 1174-89	7.3	81
185	Hypoxic preconditioning induces neuroprotective stanniocalcin-1 in brain via IL-6 signaling. <i>Stroke</i> , <b>2007</b> , 38, 1025-30	6.7	77
184	Metallothionein is a component of exocrine pancreas secretion: implications for zinc homeostasis. <i>American Journal of Physiology - Cell Physiology</i> , <b>1996</b> , 271, C1103-10	5.4	77
183	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. <i>Journal of Neurotrauma</i> , <b>1999</b> , 16, 1115-29	5.4	75

182	Treatment with metallothionein prevents demyelination and axonal damage and increases oligodendrocyte precursors and tissue repair during experimental autoimmune encephalomyelitis. <i>Journal of Neuroscience Research</i> , <b>2003</b> , 72, 574-86	4.4	74
181	Primary cortical glial reaction versus secondary thalamic glial response in the excitotoxically injured young brain: astroglial response and metallothionein expression. <i>Neuroscience</i> , <b>1999</b> , 92, 827-39	3.9	74
180	Astrocyte-specific deficiency of interleukin-6 and its receptor reveal specific roles in survival, body weight and behavior. <i>Brain, Behavior, and Immunity</i> , <b>2013</b> , 27, 162-73	16.6	73
179	The transcriptional coactivator peroxisome proliferator activated receptor (PPAR)gamma coactivator-1 alpha and the nuclear receptor PPAR alpha control the expression of glycerol kinase and metabolism genes independently of PPAR gamma activation in human white adipocytes. <i>Diabetes</i> , <b>2007</b> , 56, 147-55	0.9	70
178	A diet enriched in polyphenols and polyunsaturated fatty acids, LMN diet, induces neurogenesis in the subventricular zone and hippocampus of adult mouse brain. <i>Journal of Alzheimer's Disease</i> , <b>2009</b> , 18, 849-65	4.3	67
177	Altered inflammatory response and increased neurodegeneration in metallothionein I+II deficient mice during experimental autoimmune encephalomyelitis. <i>Journal of Neuroimmunology</i> , <b>2001</b> , 119, 248-60	2.5	66
176	Liver, brain, and heart metallothionein induction by stress. <i>Journal of Neurochemistry</i> , <b>1990</b> , 55, 651-4	6	66
175	Development of a competitive double antibody radioimmunoassay for rat metallothionein. <i>Journal of Immunoassay</i> , <b>1993</b> , 14, 209-25		63
174	IL-6 deficiency leads to increased emotionality in mice: evidence in transgenic mice carrying a null mutation for IL-6. <i>Journal of Neuroimmunology</i> , <b>1998</b> , 92, 160-9	3.5	60
173	Astrocyte-targeted expression of interleukin-6 protects the central nervous system during neuroglial degeneration induced by 6-aminonicotinamide. <i>Journal of Neuroscience Research</i> , <b>2003</b> , 73, 481-96	4.4	60
172	Transgenic expression of interleukin 6 in the central nervous system regulates brain metallothionein-I and -III expression in mice. <i>Molecular Brain Research</i> , <b>1997</b> , 48, 125-31		58
171	Interleukin-18 activates skeletal muscle AMPK and reduces weight gain and insulin resistance in mice. <i>Diabetes</i> , <b>2013</b> , 62, 3064-74	0.9	57
170	Metallothionein-1+2 deficiency increases brain pathology in transgenic mice with astrocyte-targeted expression of interleukin 6. <i>Neurobiology of Disease</i> , <b>2002</b> , 9, 319-38	7.5	57
169	Effect of zinc, copper and glucocorticoids on metallothionein levels of cultured neurons and astrocytes from rat brain. <i>Chemico-Biological Interactions</i> , <b>1994</b> , 93, 197-219	5	57
168	New insight into the molecular pathways of metallothionein-mediated neuroprotection and regeneration. <i>Journal of Neurochemistry</i> , <b>2008</b> , 104, 14-20	6	55
167	Differential role of tumor necrosis factor receptors in mouse brain inflammatory responses in cryolesion brain injury. <i>Journal of Neuroscience Research</i> , <b>2005</b> , 82, 701-16	4.4	55
166	Interleukin-6 receptor expression in contracting human skeletal muscle: regulating role of IL-6. <i>FASEB Journal</i> , <b>2005</b> , 19, 1181-3	0.9	53
165	Sildenafil (Viagra) ameliorates clinical symptoms and neuropathology in a mouse model of multiple sclerosis. <i>Acta Neuropathologica</i> , <b>2011</b> , 121, 499-508	14.3	52

164	Impaired inflammatory response to glial cell death in genetically metallothionein-I- and -II-deficient mice. <i>Experimental Neurology</i> , <b>1999</b> , 156, 149-64	5.7	52
163	Altered distribution of RhoA in Alzheimer's disease and AbetaPP overexpressing mice. <i>Journal of Alzheimer's Disease</i> , <b>2010</b> , 19, 37-56	4.3	51
162	Metallothionein 1+2 protect the CNS during neuroglial degeneration induced by 6-aminonicotinamide. <i>Journal of Comparative Neurology</i> , <b>2002</b> , 444, 174-89	3.4	51
161	Metallothionein-III prevents glutamate and nitric oxide neurotoxicity in primary cultures of cerebellar neurons. <i>Journal of Neurochemistry</i> , <b>2000</b> , 75, 266-73	6	51
160	Transgenic mice with astrocyte-targeted production of interleukin-6 are resistant to high-fat diet-induced increases in body weight and body fat. <i>Brain, Behavior, and Immunity</i> , <b>2010</b> , 24, 119-26	16.6	50
159	Metallothionein-I and -III expression in animal models of Alzheimer disease. <i>Neuroscience</i> , <b>2006</b> , 143, 911-22	3.9	50
158	Metallothionein induction by restraint stress: role of glucocorticoids and IL-6. <i>Cytokine</i> , <b>2000</b> , 12, 791-6	4	50
157	Zinc or copper deficiency-induced impaired inflammatory response to brain trauma may be caused by the concomitant metallothionein changes. <i>Journal of Neurotrauma</i> , <b>2001</b> , 18, 447-63	5.4	48
156	Role of PGC-1 $\alpha$ in exercise and fasting-induced adaptations in mouse liver. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , <b>2011</b> , 301, R1501-9	3.2	47
155	Role of metallothionein-III following central nervous system damage. <i>Neurobiology of Disease</i> , <b>2003</b> , 13, 22-36	7.5	47
154	Strongly compromised inflammatory response to brain injury in interleukin-6-deficient mice. <i>Glia</i> , <b>1999</b> , 25, 343-57	9	47
153	Interleukin-6 regulates the expression of hypothalamic neuropeptides involved in body weight in a gender-dependent way. <i>Journal of Neuroendocrinology</i> , <b>2011</b> , 23, 675-86	3.8	45
152	Metallothionein and brain inflammation. <i>Journal of Biological Inorganic Chemistry</i> , <b>2011</b> , 16, 1103-13	3.7	45
151	Expression of metallothionein-I, -II, and -III in Alzheimer disease and animal models of neuroinflammation. <i>Experimental Biology and Medicine</i> , <b>2006</b> , 231, 1450-8	3.7	45
150	Localization of metallothionein-I and -III expression in the CNS of transgenic mice with astrocyte-targeted expression of interleukin 6. <i>Experimental Neurology</i> , <b>1998</b> , 153, 184-94	5.7	45
149	Brain response to traumatic brain injury in wild-type and interleukin-6 knockout mice: a microarray analysis. <i>Journal of Neurochemistry</i> , <b>2005</b> , 92, 417-32	6	44
148	IL-6 deficiency leads to reduced metallothionein-I+II expression and increased oxidative stress in the brain stem after 6-aminonicotinamide treatment. <i>Experimental Neurology</i> , <b>2000</b> , 163, 72-84	5.7	44
147	Exercise-induced liver chemokine CXCL-1 expression is linked to muscle-derived interleukin-6 expression. <i>Journal of Physiology</i> , <b>2011</b> , 589, 1409-20	3.9	43

146	Novel roles for metallothionein-I + II (MT-I + II) in defense responses, neurogenesis, and tissue restoration after traumatic brain injury: insights from global gene expression profiling in wild-type and MT-I + II knockout mice. <i>Journal of Neuroscience Research</i> , <b>2006</b> , 84, 1452-74	4.4	43
145	Specificity and divergence in the neurobiologic effects of different metallothioneins after brain injury. <i>Journal of Neuroscience Research</i> , <b>2006</b> , 83, 974-84	4.4	42
144	Interleukin-6 and tumor necrosis factor-alpha type 1 receptor deficient mice reveal a role of IL-6 and TNF-alpha on brain metallothionein-I and -III regulation. <i>Molecular Brain Research</i> , <b>1998</b> , 57, 221-34		41
143	LMN diet, rich in polyphenols and polyunsaturated fatty acids, improves mouse cognitive decline associated with aging and Alzheimer's disease. <i>Behavioural Brain Research</i> , <b>2012</b> , 228, 261-71	3.4	40
142	Increased demyelination and axonal damage in metallothionein I+II-deficient mice during experimental autoimmune encephalomyelitis. <i>Cellular and Molecular Life Sciences</i> , <b>2003</b> , 60, 185-97	10.3	40
141	Differential expression of metallothioneins in the CNS of mice with experimental autoimmune encephalomyelitis. <i>Neuroscience</i> , <b>2001</b> , 105, 1055-65	3.9	40
140	Phosphodiesterase 5 inhibition at disease onset prevents experimental autoimmune encephalomyelitis progression through immunoregulatory and neuroprotective actions. <i>Experimental Neurology</i> , <b>2014</b> , 251, 58-71	5.7	39
139	Metallothionein-I overexpression decreases brain pathology in transgenic mice with astrocyte-targeted expression of interleukin-6. <i>Journal of Neuropathology and Experimental Neurology</i> , <b>2003</b> , 62, 315-28	3.1	39
138	Cyclic GMP phosphodiesterase inhibition alters the glial inflammatory response, reduces oxidative stress and cell death and increases angiogenesis following focal brain injury. <i>Journal of Neurochemistry</i> , <b>2010</b> , 112, 807-17	6	37
137	Metallothionein-I overexpression alters brain inflammation and stimulates brain repair in transgenic mice with astrocyte-targeted interleukin-6 expression. <i>Glia</i> , <b>2003</b> , 42, 287-306	9	37
136	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. <i>Biochemical Journal</i> , <b>1999</b> , 337, 59	3.8	37
135	Expression of growth inhibitory factor (metallothionein-III) mRNA and protein following excitotoxic immature brain injury. <i>Journal of Neuropathology and Experimental Neurology</i> , <b>1999</b> , 58, 389-97	3.1	37
134	Characterization of the role of metallothionein-3 in an animal model of Alzheimer's disease. <i>Cellular and Molecular Life Sciences</i> , <b>2012</b> , 69, 3683-700	10.3	35
133	Activation of caspase-8 by tumour necrosis factor receptor 1 is necessary for caspase-3 activation and apoptosis in oxygen-glucose deprived cultured cortical cells. <i>Neurobiology of Disease</i> , <b>2009</b> , 35, 438-47		35
132	Inhibition of corticosteroid-binding globulin caused by a severe stressor is apparently mediated by the adrenal but not by glucocorticoid receptors. <i>Endocrine</i> , <b>1997</b> , 6, 159-64		34
131	Metallothionein expression and oxidative stress in the brain. <i>Methods in Enzymology</i> , <b>2002</b> , 348, 238-49	1.7	34
130	Alterations in microglial phenotype and hippocampal neuronal function in transgenic mice with astrocyte-targeted production of interleukin-10. <i>Brain, Behavior, and Immunity</i> , <b>2015</b> , 45, 80-97	16.6	33
129	Increased astrocytic expression of metallothioneins I + II in brainstem of adult rats treated with 6-aminonicotinamide. <i>Brain Research</i> , <b>1997</b> , 774, 256-9	3.7	33



128	Effect of stress on mouse and rat brain metallothionein I and III mRNA levels. <i>Neuroendocrinology</i> , <b>1996</b> , 64, 430-9	5.6	33
127	Metallothionein-I induction by stress in specific brain areas. <i>Neurochemical Research</i> , <b>1991</b> , 16, 1145-8	4.6	33
126	Muscle-derived interleukin 6 increases exercise capacity by signaling in osteoblasts. <i>Journal of Clinical Investigation</i> , <b>2020</b> , 130, 2888-2902	15.9	33
125	Effect of astrocyte-targeted production of IL-6 on traumatic brain injury and its impact on the cortical transcriptome. <i>Developmental Neurobiology</i> , <b>2008</b> , 68, 195-208	3.2	32
124	Metallothionein expression in the central nervous system of multiple sclerosis patients. <i>Cellular and Molecular Life Sciences</i> , <b>2003</b> , 60, 1258-66	10.3	32
123	Oxidative and nitrosative stress in acute pancreatitis. Modulation by pentoxifylline and oxypurinol. <i>Biochemical Pharmacology</i> , <b>2012</b> , 83, 122-30	6	31
122	Metallothionein-mediated antioxidant defense system and its response to exercise training are impaired in human type 2 diabetes. <i>Diabetes</i> , <b>2005</b> , 54, 3089-94	0.9	31
121	Distribution of metallothionein I + II and vesicular zinc in the developing central nervous system: correlative study in the rat. <i>Journal of Comparative Neurology</i> , <b>1999</b> , 412, 303-18	3.4	31
120	Non-redundant Functions of IL-6 Produced by Macrophages and Dendritic Cells in Allergic Airway Inflammation. <i>Frontiers in Immunology</i> , <b>2018</b> , 9, 2718	8.4	31
119	Metallothionein and stress combine to affect multiple organ systems. <i>Cell Stress and Chaperones</i> , <b>2014</b> , 19, 605-11	4	30
118	Induction of metallothionein in astrocytes and microglia in the spinal cord from the myelin-deficient jimpy mouse. <i>Brain Research</i> , <b>1997</b> , 767, 345-55	3.7	30
117	Metallothioneins are upregulated in symptomatic mice with astrocyte-targeted expression of tumor necrosis factor-alpha. <i>Experimental Neurology</i> , <b>2000</b> , 163, 46-54	5.7	30
116	Effect of nitric oxide synthesis inhibition on mouse liver and brain metallothionein expression. <i>Neurochemistry International</i> , <b>1998</b> , 33, 559-66	4.4	29
115	Astrocytic IL-6 mediates locomotor activity, exploration, anxiety, learning and social behavior. <i>Hormones and Behavior</i> , <b>2015</b> , 73, 64-74	3.7	28
114	Induction of atypical EAE mediated by transgenic production of IL-6 in astrocytes in the absence of systemic IL-6. <i>Glia</i> , <b>2013</b> , 61, 587-600	9	28
113	Role of metallothioneins in peripheral nerve function and regeneration. <i>Cellular and Molecular Life Sciences</i> , <b>2003</b> , 60, 1209-16	10.3	28
112	Effects of astrocyte-targeted production of interleukin-6 in the mouse on the host response to nerve injury. <i>Glia</i> , <b>2014</b> , 62, 1142-61	9	27
111	Astrocyte-targeted expression of interleukin-3 and interferon-alpha causes region-specific changes in metallothionein expression in the brain. <i>Experimental Neurology</i> , <b>2001</b> , 168, 334-46	5.7	27

110	Metal-saccharide chemistry and biology: saccharide complexes of zinc and their effect on metallothionein synthesis in mice. <i>Carbohydrate Research</i> , <b>1996</b> , 284, 73-84	2.9	27
109	Muscle-specific interleukin-6 deletion influences body weight and body fat in a sex-dependent manner. <i>Brain, Behavior, and Immunity</i> , <b>2014</b> , 40, 121-30	16.6	26
108	IL-6 regulates exercise and training-induced adaptations in subcutaneous adipose tissue in mice. <i>Acta Physiologica</i> , <b>2012</b> , 205, 224-35	5.6	26
107	Role of Glucocorticoids on Rat Brain Metallothionein-I and -III Response to Stress. <i>Stress</i> , <b>1997</b> , 1, 231-249		26
106	Anti-apoptotic effect of Mao-B inhibitor PF9601N [N-(2-propynyl)-2-(5-benzyloxy-indolyl) methylamine] is mediated by p53 pathway inhibition in MPP+-treated SH-SY5Y human dopaminergic cells. <i>Journal of Neurochemistry</i> , <b>2008</b> , 105, 2404-17	6	26
105	The effect of acute and chronic ACTH administration on pituitary-adrenal response to acute immobilization stress. Relationship to changes in corticosteroid-binding globulin. <i>Endocrine Research</i> , <b>1994</b> , 20, 139-49	1.9	26
104	Obesity and metabolomics: metallothioneins protect against high-fat diet-induced consequences in metallothionein knockout mice. <i>OMICS A Journal of Integrative Biology</i> , <b>2015</b> , 19, 92-103	3.8	25
103	Transition-metal saccharide chemistry and biology: saccharide complexes of Cu(II) and their effect on in vivo metallothionein synthesis in mice. <i>Journal of Inorganic Biochemistry</i> , <b>1997</b> , 66, 37-44	4.2	25
102	Exercise-induced metallothionein expression in human skeletal muscle fibres. <i>Experimental Physiology</i> , <b>2005</b> , 90, 477-86	2.4	25
101	Characterization of the role of the antioxidant proteins metallothioneins 1 and 2 in an animal model of Alzheimer's disease. <i>Cellular and Molecular Life Sciences</i> , <b>2012</b> , 69, 3665-81	10.3	24
100	Metallothionein prevents neurodegeneration and central nervous system cell death after treatment with gliotoxin 6-aminonicotinamide. <i>Journal of Neuroscience Research</i> , <b>2004</b> , 77, 35-53	4.4	24
99	Restraint stress induced changes in rat liver and serum metallothionein and in Zn metabolism. <i>Experientia</i> , <b>1986</b> , 42, 1006-10		24
98	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. <i>Biochemical Journal</i> , <b>1999</b> , 337 ( Pt 1), 59-65	3.8	24
97	Ordered transcriptional factor recruitment and epigenetic regulation of tnf-alpha in necrotizing acute pancreatitis. <i>Cellular and Molecular Life Sciences</i> , <b>2010</b> , 67, 1687-97	10.3	23
96	On the metallothionein, glutathione and cysteine relationship in rat liver. <i>Journal of Pharmacology and Experimental Therapeutics</i> , <b>1990</b> , 255, 554-64	4.7	23
95	Microglial activation elicits a negative affective state through prostaglandin-mediated modulation of striatal neurons. <i>Immunity</i> , <b>2021</b> , 54, 225-234.e6	32.3	23
94	Metallothionein response to stress in rats: role in free radical scavenging. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , <b>1988</b> , 255, E518-24	6	22
93	Role of muscle IL-6 in gender-specific metabolism in mice. <i>PLoS ONE</i> , <b>2017</b> , 12, e0173675	3.7	22



92	Interleukin-6 modifies mRNA expression in mouse skeletal muscle. <i>Acta Physiologica</i> , <b>2011</b> , 202, 165-73	5.6	21
91	Endotoxin and intracerebroventricular injection of IL-1 and IL-6 induce rat brain metallothionein-I and -II. <i>Neurochemistry International</i> , <b>1998</b> , 32, 369-73	4.4	21
90	Interferon-gamma regulates oxidative stress during experimental autoimmune encephalomyelitis. <i>Experimental Neurology</i> , <b>2002</b> , 177, 21-31	5.7	21
89	Brain metallothionein in stress. <i>NeuroSignals</i> , <b>1994</b> , 3, 198-210	1.9	21
88	Targeted activation of CREB in reactive astrocytes is neuroprotective in focal acute cortical injury. <i>Glia</i> , <b>2016</b> , 64, 853-74	9	21
87	Thioflavin-based molecular probes for application in Alzheimer's disease: from in silico to in vitro models. <i>Metallomics</i> , <b>2015</b> , 7, 83-92	4.5	20
86	Diverging mechanisms for TNF-alpha receptors in normal mouse brains and in functional recovery after injury: From gene to behavior. <i>Journal of Neuroscience Research</i> , <b>2007</b> , 85, 2668-85	4.4	20
85	Skeletal muscle interleukin-6 regulates metabolic factors in iWAT during HFD and exercise training. <i>Obesity</i> , <b>2015</b> , 23, 1616-24	8	18
84	IL-6 dysregulation originates in dendritic cells and mediates graft-versus-host disease via classical signaling. <i>Blood</i> , <b>2019</b> , 134, 2092-2106	2.2	18
83	Metallothionein-I+II induction by zinc and copper in primary cultures of rat microglia. <i>Neurochemistry International</i> , <b>1998</b> , 33, 237-42	4.4	17
82	The effect of cadmium exposure and stress on plasma cortisol, metallothionein levels and oxidative status in rainbow trout ( <i>Oncorhynchus mykiss</i> ) liver. <i>Comparative Biochemistry and Physiology C, Comparative Pharmacology and Toxicology</i> , <b>1996</b> , 114, 29-34		17
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