Juan Hidalgo

List of Publications by Year in Descending Order

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	Pleiotropic Effect of IL-6 Produced by B-Lymphocytes During Early Phases of Adaptive Immune Responses Against TB Infection.. *Frontiers in Immunology*, **2022**, 13, 750068	8.4	0
216	Bone marrow endothelial dysfunction promotes myeloid cell expansion in cardiovascular disease **2022**, 1, 28-44		4
215	Skeletal Muscle Interleukin-6 Contributes to the Innate Immune Response in Septic Mice. *Shock*, **2021**, 55, 676-685	3.4	9
214	Kupffer cell restoration after partial hepatectomy is mainly driven by local cell proliferation in IL-6-dependent autocrine and paracrine manners. *Cellular and Molecular Immunology*, **2021**, 18, 2165-2176	15.4	4
213	Microglial activation elicits a negative affective state through prostaglandin-mediated modulation of striatal neurons. *Immunity*, **2021**, 54, 225-234.e6	32.3	23
212	CXCL12-abundant reticular cells are the major source of IL-6 upon LPS stimulation and thereby regulate hematopoiesis. *Blood Advances*, **2021**, 5, 5002-5015	7.8	1
211	Regulation of adipose tissue inflammation by interleukin 6. *Proceedings of the National Academy of Sciences of the United States of America*, **2020**, 117, 2751-2760	11.5	94
210	IL-6 Trans-Signaling in the Brain Influences the Metabolic Phenotype of the 3xTg-AD Mouse Model of Alzheimer's Disease. *Cells*, **2020**, 9,	7.9	5
209	Interleukin-6 Derived from the Central Nervous System May Influence the Pathogenesis of Experimental Autoimmune Encephalomyelitis in a Cell-Dependent Manner. *Cells*, **2020**, 9,	7.9	8
208	Muscle-derived interleukin 6 increases exercise capacity by signaling in osteoblasts. *Journal of Clinical Investigation*, **2020**, 130, 2888-2902	15.9	33
207	Molecular aspects of metallothioneins in dementias **2020**, 115-130		
206	Microglial cell-derived interleukin-6 influences behavior and inflammatory response in the brain following traumatic brain injury. *Glia*, **2020**, 68, 999-1016	9	11
205	A new mouse model to study restoration of interleukin-6 (IL-6) expression in a Cre-dependent manner: microglial IL-6 regulation of experimental autoimmune encephalomyelitis. *Journal of Neuroinflammation*, **2020**, 17, 304	10.1	0
204	Mouse metallothionein-1 and metallothionein-2 are not biologically interchangeable in an animal model of multiple sclerosis, EAE. *Metallomics*, **2019**, 11, 327-337	4.5	5
203	Adipocyte-specific deletion of IL-6 does not attenuate obesity-induced weight gain or glucose intolerance in mice. *American Journal of Physiology - Endocrinology and Metabolism*, **2019**, 317, E597-E604	6	12
202	IL-6 trans-signaling in the brain influences the behavioral and physio-pathological phenotype of the Tg2576 and 3xTgAD mouse models of Alzheimer's disease. *Brain, Behavior, and Immunity*, **2019**, 82, 145-159	16.6	10
201	IL-6 dysregulation originates in dendritic cells and mediates graft-versus-host disease via classical signaling. *Blood*, **2019**, 134, 2092-2106	2.2	18

200	Different Responses to a High-Fat Diet in IL-6 Conditional Knockout Mice Driven by Constitutive GFAP-Cre and Synapsin 1-Cre Expression. *Neuroendocrinology*, **2019**, 109, 113-130	5.6	11
199	Vascular niche IL-6 induces alternative macrophage activation in glioblastoma through HIF-2 *Nature Communications*, **2018**, 9, 559	17.4	95
198	Active Induction of Experimental Autoimmune Encephalomyelitis (EAE) with MOG in the Mouse. *Methods in Molecular Biology*, **2018**, 1791, 227-232	1.4	10
197	Non-redundant Functions of IL-6 Produced by Macrophages and Dendritic Cells in Allergic Airway Inflammation. *Frontiers in Immunology*, **2018**, 9, 2718	8.4	31
196	Trans-presentation of IL-6 by dendritic cells is required for the priming of pathogenic T17 cells. *Nature Immunology*, **2017**, 18, 74-85	19.1	214
195	Influence of Transgenic Metallothionein-1 on Gliosis, CA1 Neuronal Loss, and Brain Metal Levels of the Tg2576 Mouse Model of Alzheimer's Disease. *International Journal of Molecular Sciences*, **2017**, 18,	6.3	7
194	Role of muscle IL-6 in gender-specific metabolism in mice. *PLoS ONE*, **2017**, 12, e0173675	3.7	22
193	Skeletal muscle IL-6 and regulation of liver metabolism during high-fat diet and exercise training. *Physiological Reports*, **2016**, 4, e12788	2.6	16
192	Astrocytic IL-6 Influences the Clinical Symptoms of EAE in Mice. *Brain Sciences*, **2016**, 6,	3.4	16
191	Targeted activation of CREB in reactive astrocytes is neuroprotective in focal acute cortical injury. *Glia*, **2016**, 64, 853-74	9	21
190	Overexpression of Metallothionein-1 Modulates the Phenotype of the Tg2576 Mouse Model of Alzheimer's Disease. *Journal of Alzheimer's Disease*, **2016**, 51, 81-95	4.3	14
189	Muscular interleukin-6 differentially regulates skeletal muscle adaptation to high-fat diet in a sex-dependent manner. *Cytokine*, **2015**, 74, 145-51	4	4
188	Astrocytic IL-6 mediates locomotor activity, exploration, anxiety, learning and social behavior. *Hormones and Behavior*, **2015**, 73, 64-74	3.7	28
187	Obesity and metabolomics: metallothioneins protect against high-fat diet-induced consequences in metallothionein knockout mice. *OMICS A Journal of Integrative Biology*, **2015**, 19, 92-103	3.8	25
186	Alterations in microglial phenotype and hippocampal neuronal function in transgenic mice with astrocyte-targeted production of interleukin-10. *Brain, Behavior, and Immunity*, **2015**, 45, 80-97	16.6	33
185	Thioflavin-based molecular probes for application in Alzheimer's disease: from in silico to in vitro models. *Metallomics*, **2015**, 7, 83-92	4.5	20
184	10 Structure and Function of Vertebrate Metallothioneins **2015**, 279-318		
183	Catecholaminergic and cholinergic systems of mouse brain are modulated by LMN diet, rich in theobromine, polyphenols and polyunsaturated fatty acids. *Food and Function*, **2015**, 6, 1251-60	6.1	16

182	Skeletal muscle interleukin-6 regulates metabolic factors in iWAT during HFD and exercise training. *Obesity*, **2015**, 23, 1616-24	8	18
181	Metallothionein and stress combine to affect multiple organ systems. *Cell Stress and Chaperones*, **2014**, 19, 605-11	4	30
180	Muscle-specific interleukin-6 deletion influences body weight and body fat in a sex-dependent manner. *Brain, Behavior, and Immunity*, **2014**, 40, 121-30	16.6	26
179	Phosphodiesterase 5 inhibition at disease onset prevents experimental autoimmune encephalomyelitis progression through immunoregulatory and neuroprotective actions. *Experimental Neurology*, **2014**, 251, 58-71	5.7	39
178	ER stress cooperates with hypernutrition to trigger TNF-dependent spontaneous HCC development. *Cancer Cell*, **2014**, 26, 331-343	24.3	284
177	Role of IL-6 in exercise training- and cold-induced UCP1 expression in subcutaneous white adipose tissue. *PLoS ONE*, **2014**, 9, e84910	3.7	117
176	Trans-signaling is a dominant mechanism for the pathogenic actions of interleukin-6 in the brain. *Journal of Neuroscience*, **2014**, 34, 2503-13	6.6	145
175	Absence of metallothionein-3 produces changes on MT-1/2 regulation in basal conditions and alters hypothalamic-pituitary-adrenal (HPA) axis. *Neurochemistry International*, **2014**, 74, 65-73	4.4	1
174	Effects of astrocyte-targeted production of interleukin-6 in the mouse on the host response to nerve injury. *Glia*, **2014**, 62, 1142-61	9	27
173	Interleukin-6 deletion in mice driven by aP2-Cre-ERT2 prevents against high-fat diet-induced gain weight and adiposity in female mice. *Acta Physiologica*, **2014**, 211, 585-96	5.6	11
172	Systemic and organ specific metabolic variation in metallothionein knockout mice challenged with swimming exercise. *Metabolomics*, **2013**, 9, 418-432	4.7	15
171	Interleukin-18 activates skeletal muscle AMPK and reduces weight gain and insulin resistance in mice. *Diabetes*, **2013**, 62, 3064-74	0.9	57
170	MHC class II-dependent B cell APC function is required for induction of CNS autoimmunity independent of myelin-specific antibodies. *Journal of Experimental Medicine*, **2013**, 210, 2921-37	16.6	268
169	Metallothioneins I/II are involved in the neuroprotective effect of sildenafil in focal brain injury. *Neurochemistry International*, **2013**, 62, 70-8	4.4	13
168	Retraction notice to "M-CSF deficiency leads to reduced metallothioneins I and II expression and increased tissue damage in the brain stem after 6- aminonicotinamide treatment" Exp Neurol 176 (2002) 308-321. *Experimental Neurology*, **2013**, 247, 755	5.7	
167	Astrocyte-specific deficiency of interleukin-6 and its receptor reveal specific roles in survival, body weight and behavior. *Brain, Behavior, and Immunity*, **2013**, 27, 162-73	16.6	73
166	Induction of atypical EAE mediated by transgenic production of IL-6 in astrocytes in the absence of systemic IL-6. *Glia*, **2013**, 61, 587-600	9	28
165	Oxidative and nitrosative stress in acute pancreatitis. Modulation by pentoxifylline and oxypurinol. *Biochemical Pharmacology*, **2012**, 83, 122-30	6	31

164	IL-6 regulates exercise and training-induced adaptations in subcutaneous adipose tissue in mice. *Acta Physiologica*, **2012**, 205, 224-35	5.6	26
163	LMN diet, rich in polyphenols and polyunsaturated fatty acids, improves mouse cognitive decline associated with aging and Alzheimer's disease. *Behavioural Brain Research*, **2012**, 228, 261-71	3.4	40
162	Characterization of the role of the antioxidant proteins metallothioneins 1 and 2 in an animal model of Alzheimer's disease. *Cellular and Molecular Life Sciences*, **2012**, 69, 3665-81	10.3	24
161	Characterization of the role of metallothionein-3 in an animal model of Alzheimer's disease. *Cellular and Molecular Life Sciences*, **2012**, 69, 3683-700	10.3	35
160	Interleukin-6, a major cytokine in the central nervous system. *International Journal of Biological Sciences*, **2012**, 8, 1254-66	11.2	573
159	Copper modulation as a therapy for Alzheimer's disease?. *International Journal of Alzheimer's Disease*, **2011**, 2011, 370345	3.7	8
158	Interleukin-6 regulates the expression of hypothalamic neuropeptides involved in body weight in a gender-dependent way. *Journal of Neuroendocrinology*, **2011**, 23, 675-86	3.8	45
157	Interleukin-6 modifies mRNA expression in mouse skeletal muscle. *Acta Physiologica*, **2011**, 202, 165-73	5.6	21
156	Exercise-induced liver chemokine CXCL-1 expression is linked to muscle-derived interleukin-6 expression. *Journal of Physiology*, **2011**, 589, 1409-20	3.9	43
155	Retraction: Exercise-induced metallothionein expression in human skeletal muscle fibres. *Experimental Physiology*, **2011**, 96, 816	2.4	
154	Sildenafil (Viagra) ameliorates clinical symptoms and neuropathology in a mouse model of multiple sclerosis. *Acta Neuropathologica*, **2011**, 121, 499-508	14.3	52
153	Metallothionein and brain inflammation. *Journal of Biological Inorganic Chemistry*, **2011**, 16, 1103-13	3.7	45
152	Role of PGC-1 in exercise and fasting-induced adaptations in mouse liver. *American Journal of Physiology - Regulatory Integrative and Comparative Physiology*, **2011**, 301, R1501-9	3.2	47
151	Cyclic GMP phosphodiesterase inhibition alters the glial inflammatory response, reduces oxidative stress and cell death and increases angiogenesis following focal brain injury. *Journal of Neurochemistry*, **2010**, 112, 807-17	6	37
150	Transgenic mice with astrocyte-targeted production of interleukin-6 are resistant to high-fat diet-induced increases in body weight and body fat. *Brain, Behavior, and Immunity*, **2010**, 24, 119-26	16.6	50
149	Altered distribution of RhoA in Alzheimer's disease and AbetaPP overexpressing mice. *Journal of Alzheimer's Disease*, **2010**, 19, 37-56	4.3	51
148	Ordered transcriptional factor recruitment and epigenetic regulation of tnf-alpha in necrotizing acute pancreatitis. *Cellular and Molecular Life Sciences*, **2010**, 67, 1687-97	10.3	23
147	The comparison of mouse full metallothionein-1 versus alpha and beta domains and metallothionein-1-to-3 mutation following traumatic brain injury reveals different biological motifs. *Journal of Neuroscience Research*, **2010**, 88, 1708-18	4.4	4

146	Site-specific production of IL-6 in the central nervous system retargets and enhances the inflammatory response in experimental autoimmune encephalomyelitis. *Journal of Immunology*, **2009**, 183, 2079-88	5.3	89
145	The role of PGC-1alpha on mitochondrial function and apoptotic susceptibility in muscle. *American Journal of Physiology - Cell Physiology*, **2009**, 297, C217-25	5.4	128
144	PGC-1alpha mediates exercise-induced skeletal muscle VEGF expression in mice. *American Journal of Physiology - Endocrinology and Metabolism*, **2009**, 297, E92-103	6	90
143	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. *Neurobiology of Disease*, **2009**, 35, 438-47	5.5	35
142	Monoamine oxidase-B activity is not involved in the neuroinflammatory response elicited by a focal freeze brain injury. *Journal of Neuroscience Research*, **2009**, 87, 784-94	4.4	5
141	PF9601N [N-(2-propynyl)-2-(5-benzyloxy-indolyl) methylamine] confers MAO-B independent neuroprotection in ER stress-induced cell death. *Molecular and Cellular Neurosciences*, **2009**, 41, 19-31	4.8	9
140	A diet enriched in polyphenols and polyunsaturated fatty acids, LMN diet, induces neurogenesis in the subventricular zone and hippocampus of adult mouse brain. *Journal of Alzheimer's Disease*, **2009**, 18, 849-65	4.3	67
139	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. *Journal of Neurochemistry*, **2008**, 105, 2404-17	6	26
138	Infection of metallothionein 1+2 knockout mice with Rocky Mountain Laboratory scrapie. *Brain Research*, **2008**, 1196, 140-50	3.7	8
137	Metallothionein in the central nervous system: Roles in protection, regeneration and cognition. *NeuroToxicology*, **2008**, 29, 489-503	4.4	147
136	PGC-1alpha is not mandatory for exercise- and training-induced adaptive gene responses in mouse skeletal muscle. *American Journal of Physiology - Endocrinology and Metabolism*, **2008**, 294, E463-74	6	179
135	Redefining the role of metallothionein within the injured brain: extracellular metallothioneins play an important role in the astrocyte-neuron response to injury. *Journal of Biological Chemistry*, **2008**, 283, 15349-58	5.4	114
134	Immune and Inflammatory Responses in the Central Nervous System: Modulation by Astrocytes. *NeuroImmune Biology*, **2008**, 275-288		1
133	New insight into the molecular pathways of metallothionein-mediated neuroprotection and regeneration. *Journal of Neurochemistry*, **2008**, 104, 14-20	6	55
132	Effect of astrocyte-targeted production of IL-6 on traumatic brain injury and its impact on the cortical transcriptome. *Developmental Neurobiology*, **2008**, 68, 195-208	3.2	32
131	Site-specific targeting of autoimmunity in mice induced by the localized production of IL-6. *FASEB Journal*, **2008**, 22, 664.3	0.9	
130	METALLOTHIONEIN AND BRAIN INFLAMMATION **2008**, 71-91		
129	Diverging mechanisms for TNF-alpha receptors in normal mouse brains and in functional recovery after injury: From gene to behavior. *Journal of Neuroscience Research*, **2007**, 85, 2668-85	4.4	20

128	Analysis of the cerebral transcriptome in mice subjected to traumatic brain injury: importance of IL-6. *NeuroImmunoModulation*, **2007**, 14, 139-43	2.5	11
127	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. *Diabetes*, **2007**, 56, 2467-75	0.9	70
126	Hypoxic preconditioning induces neuroprotective stanniocalcin-1 in brain via IL-6 signaling. *Stroke*, **2007**, 38, 1025-30	6.7	77
125	Specificity and divergence in the neurobiologic effects of different metallothioneins after brain injury. *Journal of Neuroscience Research*, **2006**, 83, 974-84	4.4	42
124	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. *Journal of Neuroscience Research*, **2006**, 84, 1452-74	4.4	43
123	Interleukin-6 regulation of AMP-activated protein kinase. Potential role in the systemic response to exercise and prevention of the metabolic syndrome. *Diabetes*, **2006**, 55 Suppl 2, S48-54	0.9	137
122	Generalization of DNA microarray dispersion properties: microarray equivalent of t-distribution. *Biology Direct*, **2006**, 1, 27	7.2	14
121	Metallothionein-I and -III expression in animal models of Alzheimer disease. *Neuroscience*, **2006**, 143, 911-22	3.9	50
120	Metallothionein isoform 2A expression is inducible and protects against ROS-mediated cell death in rotenone-treated HeLa cells. *Biochemical Journal*, **2006**, 395, 405-15	3.8	81
119	Predictors of blood mercury levels in older urban residents. *Journal of Occupational and Environmental Medicine*, **2006**, 48, 715-22	2	6
118	Expression of metallothionein-I, -II, and -III in Alzheimer disease and animal models of neuroinflammation. *Experimental Biology and Medicine*, **2006**, 231, 1450-8	3.7	45
117	Brain response to traumatic brain injury in wild-type and interleukin-6 knockout mice: a microarray analysis. *Journal of Neurochemistry*, **2005**, 92, 417-32	6	44
116	Exercise-induced metallothionein expression in human skeletal muscle fibres. *Experimental Physiology*, **2005**, 90, 477-86	2.4	25
115	Metallothionein reduces central nervous system inflammation, neurodegeneration, and cell death following kainic acid-induced epileptic seizures. *Journal of Neuroscience Research*, **2005**, 79, 522-34	4.4	111
114	Differential role of tumor necrosis factor receptors in mouse brain inflammatory responses in cryolesion brain injury. *Journal of Neuroscience Research*, **2005**, 82, 701-16	4.4	55
113	Metallothionein-mediated antioxidant defense system and its response to exercise training are impaired in human type 2 diabetes. *Diabetes*, **2005**, 54, 3089-94	0.9	31
112	Interleukin-6 receptor expression in contracting human skeletal muscle: regulating role of IL-6. *FASEB Journal*, **2005**, 19, 1181-3	0.9	53
111	Metallothioneins and brain injury: What transgenic mice tell us. *Environmental Health and Preventive Medicine*, **2004**, 9, 87-94	4.2	8

110	Metallothionein prevents neurodegeneration and central nervous system cell death after treatment with gliotoxin 6-aminonicotinamide. *Journal of Neuroscience Research*, **2004**, 77, 35-53	4.4	24
109	AMPK activity is diminished in tissues of IL-6 knockout mice: the effect of exercise. *Biochemical and Biophysical Research Communications*, **2004**, 320, 449-54	3.4	223
108	Exercise normalises overexpression of TNF-alpha in knockout mice. *Biochemical and Biophysical Research Communications*, **2004**, 321, 179-82	3.4	85
107	Metallothioneins and Brain Injury: What Transgenic Mice Tell Us. *Environmental Health and Preventive Medicine*, **2004**, 9, 87-94	4.2	2
106	Astrocyte Metallothioneins and Physiological and Pathological Consequences to Brain Injury **2004**, 195-205		
105	Metallothionein-I overexpression decreases brain pathology in transgenic mice with astrocyte-targeted expression of interleukin-6. *Journal of Neuropathology and Experimental Neurology*, **2003**, 62, 315-28	3.1	39
104	Increased demyelination and axonal damage in metallothionein I+II-deficient mice during experimental autoimmune encephalomyelitis. *Cellular and Molecular Life Sciences*, **2003**, 60, 185-97	10.3	40
103	Metallothionein-I overexpression alters brain inflammation and stimulates brain repair in transgenic mice with astrocyte-targeted interleukin-6 expression. *Glia*, **2003**, 42, 287-306	9	37
102	Treatment with metallothionein prevents demyelination and axonal damage and increases oligodendrocyte precursors and tissue repair during experimental autoimmune encephalomyelitis. *Journal of Neuroscience Research*, **2003**, 72, 574-86	4.4	74
101	Astrocyte-targeted expression of interleukin-6 protects the central nervous system during neuroglial degeneration induced by 6-aminonicotinamide. *Journal of Neuroscience Research*, **2003**, 73, 481-96	4.4	60
100	Astrocyte-targeted expression of IL-6 protects the CNS against a focal brain injury. *Experimental Neurology*, **2003**, 181, 130-48	5.7	110
99	Role of metallothionein-III following central nervous system damage. *Neurobiology of Disease*, **2003** , 13, 22-36	7.5	47
98	Role of metallothioneins in peripheral nerve function and regeneration. *Cellular and Molecular Life Sciences*, **2003**, 60, 1209-16	10.3	28
97	Metallothionein expression in the central nervous system of multiple sclerosis patients. *Cellular and Molecular Life Sciences*, **2003**, 60, 1258-66	10.3	32
96	Metallothionein 1+2 protect the CNS during neuroglial degeneration induced by 6-aminonicotinamide. *Journal of Comparative Neurology*, **2002**, 444, 174-89	3.4	51
95	Metallothionein expression and oxidative stress in the brain. *Methods in Enzymology*, **2002**, 348, 238-49	1.7	34
94	Metallothionein-1+2 protect the CNS after a focal brain injury. *Experimental Neurology*, **2002**, 173, 114-28	5.7	112
93	M-CSF deficiency leads to reduced metallothioneins I and II expression and increased tissue damage in the brain stem after 6-aminonicotinamide treatment. *Experimental Neurology*, **2002**, 176, 308-21	5.7	16

92	Interferon-gamma regulates oxidative stress during experimental autoimmune encephalomyelitis. *Experimental Neurology*, **2002**, 177, 21-31	5.7	21
91	Metallothionein-1+2 deficiency increases brain pathology in transgenic mice with astrocyte-targeted expression of interleukin 6. *Neurobiology of Disease*, **2002**, 9, 319-38	7.5	57
90	Altered inflammatory response and increased neurodegeneration in metallothionein I+II deficient mice during experimental autoimmune encephalomyelitis. *Journal of Neuroimmunology*, **2001**, 119, 248-60	3.5	66
89	Astrocyte-targeted expression of interleukin-3 and interferon-alpha causes region-specific changes in metallothionein expression in the brain. *Experimental Neurology*, **2001**, 168, 334-46	5.7	27
88	Metallothionein treatment reduces proinflammatory cytokines IL-6 and TNF-alpha and apoptotic cell death during experimental autoimmune encephalomyelitis (EAE). *Experimental Neurology*, **2001** , 170, 1-14	5.7	91
87	Zinc or copper deficiency-induced impaired inflammatory response to brain trauma may be caused by the concomitant metallothionein changes. *Journal of Neurotrauma*, **2001**, 18, 447-63	5.4	48
86	Interleukin-6 deficiency reduces the brain inflammatory response and increases oxidative stress and neurodegeneration after kainic acid-induced seizures. *Neuroscience*, **2001**, 102, 805-18	3.9	120
85	Differential expression of metallothioneins in the CNS of mice with experimental autoimmune encephalomyelitis. *Neuroscience*, **2001**, 105, 1055-65	3.9	40
84	Roles of the metallothionein family of proteins in the central nervous system. *Brain Research Bulletin*, **2001**, 55, 133-45	3.9	341
83	Metallothionein-III prevents glutamate and nitric oxide neurotoxicity in primary cultures of cerebellar neurons. *Journal of Neurochemistry*, **2000**, 75, 266-73	6	51
82	Metallothionein I+II expression and their role in experimental autoimmune encephalomyelitis. *Glia*, **2000**, 32, 247-63	9	88
81	Impaired inflammatory response and increased oxidative stress and neurodegeneration after brain injury in interleukin-6-deficient mice. *Glia*, **2000**, 32, 271-85	9	132
80	Enhanced seizures and hippocampal neurodegeneration following kainic acid-induced seizures in metallothionein-I + II-deficient mice. *European Journal of Neuroscience*, **2000**, 12, 2311-22	3.5	110
79	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, 1174-89	7.3	81
78	Metallothionein induction by restraint stress: role of glucocorticoids and IL-6. *Cytokine*, **2000**, 12, 791-6	4	50
77	Metallothioneins are upregulated in symptomatic mice with astrocyte-targeted expression of tumor necrosis factor-alpha. *Experimental Neurology*, **2000**, 163, 46-54	5.7	30
76	IL-6 deficiency leads to reduced metallothionein-I+II expression and increased oxidative stress in the brain stem after 6-aminonicotinamide treatment. *Experimental Neurology*, **2000**, 163, 72-84	5.7	44
75	Changes of metallothionein I + II proteins in the brain after 1-methyl-4-phenylpyridinium administration in mice. *Progress in Neuro-Psychopharmacology and Biological Psychiatry*, **2000**, 24, 143-54	5.5	14

74	Effect of dietary zinc deficiency on brain metallothionein-I and -III mRNA levels during stress and inflammation. *Neurochemistry International*, **2000**, 36, 555-62	4.4	11
73	CNS wound healing is severely depressed in metallothionein I- and II-deficient mice. *Journal of Neuroscience*, **1999**, 19, 2535-45	6.6	138
72	Strongly compromised inflammatory response to brain injury in interleukin-6-deficient mice **1999**, 25, 343-357		141
71	Distribution of metallothionein I + II and vesicular zinc in the developing central nervous system: correlative study in the rat. *Journal of Comparative Neurology*, **1999**, 412, 303-18	3.4	31
70	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, 1115-29	5.4	75
69	Primary cortical glial reaction versus secondary thalamic glial response in the excitotoxically injured young brain: astroglial response and metallothionein expression. *Neuroscience*, **1999**, 92, 827-39	3.9	74
68	Impaired inflammatory response to glial cell death in genetically metallothionein-I- and -II-deficient mice. *Experimental Neurology*, **1999**, 156, 149-64	5.7	52
67	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	3.8	87
66	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	3.8	37
65	Expression of growth inhibitory factor (metallothionein-III) mRNA and protein following excitotoxic immature brain injury. *Journal of Neuropathology and Experimental Neurology*, **1999**, 58, 389-97	3.1	37
64	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 (Pt 1), 59-65	3.8	24
63	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
62	Strongly compromised inflammatory response to brain injury in interleukin-6-deficient mice **1999**, 25, 343		4
61	Strongly compromised inflammatory response to brain injury in interleukin-6-deficient mice. *Glia*, **1999**, 25, 343-57	9	47
60	IL-6 deficiency leads to increased emotionality in mice: evidence in transgenic mice carrying a null mutation for IL-6. *Journal of Neuroimmunology*, **1998**, 92, 160-9	3.5	60
59	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. *Molecular Brain Research*, **1998**, 57, 221-34		41
58	Endotoxin and intracerebroventricular injection of IL-1 and IL-6 induce rat brain metallothionein-I and -II. *Neurochemistry International*, **1998**, 32, 369-73	4.4	21
57	Metallothionein-I+II induction by zinc and copper in primary cultures of rat microglia. *Neurochemistry International*, **1998**, 33, 237-42	4.4	17

56	Effect of nitric oxide synthesis inhibition on mouse liver and brain metallothionein expression. *Neurochemistry International*, **1998**, 33, 559-66	4.4	29
55	Localization of metallothionein-I and -III expression in the CNS of transgenic mice with astrocyte-targeted expression of interleukin 6. *Experimental Neurology*, **1998**, 153, 184-94	5.7	45
54	Role of Glucocorticoids on Rat Brain Metallothionein-I and -III Response to Stress. *Stress*, **1997**, 1, 231-240	3	26
53	Transgenic expression of interleukin 6 in the central nervous system regulates brain metallothionein-I and -III expression in mice. *Molecular Brain Research*, **1997**, 48, 125-31		58
52	Induction of metallothionein in astrocytes and microglia in the spinal cord from the myelin-deficient jimpy mouse. *Brain Research*, **1997**, 767, 345-55	3.7	30
51	Increased astrocytic expression of metallothioneins I + II in brainstem of adult rats treated with 6-aminonicotinamide. *Brain Research*, **1997**, 774, 256-9	3.7	33
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