Juan Hidalgo

List of Publications by Year
in descending order

219	11,725	24978	37111
papers	citations	57 h-index	96 g-index

228	228	228	13212
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Interleukin-6, a Major Cytokine in the Central Nervous System. International Journal of Biological Sciences, 2012, 8, 1254-1266.	2.6	792
2	ER Stress Cooperates with Hypernutrition to Trigger TNF-Dependent Spontaneous HCC Development. Cancer Cell, 2014, 26, 331-343.	7.7	412
3	Roles of the metallothionein family of proteins in the central nervous system. Brain Research Bulletin, 2001, 55, 133-145.	1.4	370
4	MHC class Iiâ€“dependent B cell APC function is required for induction of CNS autoimmunity independent of myelin-specific antibodies. Journal of Experimental Medicine, 2013, 210, 2921-2937.	4.2	336
5	Trans-presentation of IL-6 by dendritic cells is required for the priming of pathogenic TH17 cells. Nature Immunology, 2017, 18, 74-85.	7.0	311
6	AMPK activity is diminished in tissues of IL-6 knockout mice: the effect of exercise. Biochemical and Biophysical Research Communications, 2004, 320, 449-454.	1.0	242
7	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.	3.3	216
8	PGC-1Î± 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-E474.	1.8	196
9	Trans-Signaling Is a Dominant Mechanism for the Pathogenic Actions of Interleukin-6 in the Brain. Journal of Neuroscience, 2014, 34, 2503-2513.	1.7	194
10	Vascular niche IL-6 induces alternative macrophage activation in glioblastoma through HIF-2Î±. Nature Communications, 2018, 9, 559.	5.8	176
11	Strongly compromised inflammatory response to brain injury in interleukin-6-deficient mice. , 1999, 25, 343-357.		171
12	Metallothionein in the central nervous system: Roles in protection, regeneration and cognition. NeuroToxicology, 2008, 29, 489-503.	1.4	161
13	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, S48-S54.	0.3	158
14	Role of IL-6 in Exercise Training- and Cold-Induced UCP1 Expression in Subcutaneous White Adipose Tissue. PLoS ONE, 2014, 9, e84910.	1.1	158
15	The role of PGC-1Î± on mitochondrial function and apoptotic susceptibility in muscle. American Journal of Physiology - Cell Physiology, 2009, 297, C217-C225.	2.1	148
16	CNS Wound Healing Is Severely Depressed in Metallothionein I- and II-Deficient Mice. Journal of Neuroscience, 1999, 19, 2535-2545.	1.7	147
17	Impaired inflammatory response and increased oxidative stress and neurodegeneration after brain injury in interleukin-6-deficient mice. Glia, 2000, 32, 271-285.	2.5	139
18	Interleukin-6 deficiency reduces the brain inflammatory response and increases oxidative stress and neurodegeneration after kainic acid-induced seizures. Neuroscience, 2001, 102, 805-818.	1.1	131

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19	Redefining the Role of Metallothionein within the Injured Brain. Journal of Biological Chemistry, 2008, 283, 15349-15358.	1.6	130
20	Metallothionein-1+2 Protect the CNS after a Focal Brain Injury. Experimental Neurology, 2002, 173, 114-128.	2.0	127
21	Astrocyte-targeted expression of IL-6 protects the CNSagainst a focal brain injury. Experimental Neurology, 2003, 181, 130-148.	2.0	127
22	Evidence that the Pituitary-Adrenal Axis Does Not Cross-Adapt to Stressors: Comparison to Other Physiological Variables. Neuroendocrinology, 1988, 47, 263-267.	1.2	122
23	Enhanced seizures and hippocampal neurodegeneration following kainic acid-induced seizures in metallothionein-Iâ€ƒ+â€ƒII-deficient mice. European Journal of Neuroscience, 2000, 12, 2311-2322.	1.2	122
24	Metallothionein reduces central nervous system inflammation, neurodegeneration, and cell death following kainic acid-induced epileptic seizures. Journal of Neuroscience Research, 2005, 79, 522-534.	1.3	119
25	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, 2079-2088.	0.4	108
26	Metallothionein is a component of exocrine pancreas secretion: implications for zinc homeostasis. American Journal of Physiology - Cell Physiology, 1996, 271, C1103-C1110.	2.1	99
27	PGC-1Î± mediates exercise-induced skeletal muscle VEGF expression in mice. American Journal of Physiology - Endocrinology and Metabolism, 2009, 297, E92-E103.	1.8	99
28	Metallothionein Treatment Reduces Proinflammatory Cytokines IL-6 and TNF-Î± and Apoptotic Cell Death during Experimental Autoimmune Encephalomyelitis (EAE). Experimental Neurology, 2001, 170, 1-14.	2.0	96
29	Astrocyte-specific deficiency of interleukin-6 and its receptor reveal specific roles in survival, body weight and behavior. Brain, Behavior, and Immunity, 2013, 27, 162-173.	2.0	92
30	Exercise normalises overexpression of TNF-Î± in knockout mice. Biochemical and Biophysical Research Communications, 2004, 321, 179-182.	1.0	91
31	Microglial activation elicits a negative affective state through prostaglandin-mediated modulation of striatal neurons. Immunity, 2021, 54, 225-234.e6.	6.6	91
32	Metallothionein I+II expression and their role in experimental autoimmune encephalomyelitis. Glia, 2000, 32, 247-263.	2.5	90
33	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.	1.7	89
34	Metallothionein isoform 2A expression is inducible and protects against ROS-mediated cell death in rotenone-treated HeLa cells. Biochemical Journal, 2006, 395, 405-415.	1.7	89
35	Hypoxic Preconditioning Induces Neuroprotective Stanniocalcin-1 in Brain via IL-6 Signaling. Stroke, 2007, 38, 1025-1030.	1.0	88
36	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.	2.4	87

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37	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.	1.7	79
38	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, 849-865.	1.2	79
39	The Transcriptional Coactivator Peroxisome Proliferator Activated Receptor (PPAR)Â Coactivator-1Â and the Nuclear Receptor PPARÂ Control the Expression of Glycerol Kinase and Metabolism Genes Independently of PPARÂ Activation in Human White Adipocytes. Diabetes, 2007, 56, 2467-2475.	0.3	78
40	Primary cortical glial reaction versus secondary thalamic glial response in the excitotoxically injured young brain: Astroglial response and metallothionein expression. Neuroscience, 1999, 92, 827-839.	1.1	77
41	Liver, Brain, and Heart Metallothionein Induction by Stress. Journal of Neurochemistry, 1990, 55, 651-654.	2.1	75
42	Muscle-derived interleukin 6 increases exercise capacity by signaling in osteoblasts. Journal of Clinical Investigation, 2020, 130, 2888-2902.	3.9	75
43	Interleukin-18 Activates Skeletal Muscle AMPK and Reduces Weight Gain and Insulin Resistance in Mice. Diabetes, 2013, 62, 3064-3074.	0.3	71
44	Altered inflammatory response and increased neurodegeneration in metallothionein I+II deficient mice during experimental autoimmune encephalomyelitis. Journal of Neuroimmunology, 2001, 119, 248-260.	1.1	70
45	Astrocyte-targeted expression of interleukin-6 protects the central nervous system during neuroglial degeneration induced by 6-aminonicotinamide. Journal of Neuroscience Research, 2003, 73, 481-496.	1.3	68
46	Development of a Competitive Double Antibody Radioimmunoassay for Rat Metallothionein. Journal of Immunoassay, 1993, 14, 209-225.	0.3	67
47	Altered Distribution of RhoA in Alzheimer's Disease and AÎ²PP Overexpressing Mice. Journal of Alzheimer's Disease, 2010, 19, 37-56.	1.2	67
48	Transgenic expression of interleukin 6 in the central nervous system regulates brain metallothionein-I and -III expression in mice. Molecular Brain Research, 1997, 48, 125-131.	2.5	66
49	Differential role of tumor necrosis factor receptors in mouse brain inflammatory responses in cryolesion brain injury. Journal of Neuroscience Research, 2005, 82, 701-716.	1.3	66
50	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, 160-169.	1.1	65
51	New insight into the molecular pathways of metallothioneinâ€mediated neuroprotection and regeneration. Journal of Neurochemistry, 2008, 104, 14-20.	2.1	65
52	Non-redundant Functions of IL-6 Produced by Macrophages and Dendritic Cells in Allergic Airway Inflammation. Frontiers in Immunology, 2018, 9, 2718.	2.2	64
53	Metallothionein-1+2 Deficiency Increases Brain Pathology in Transgenic Mice with Astrocyte-Targeted Expression of Interleukin 6. Neurobiology of Disease, 2002, 9, 319-338.	2.1	62
54	Effect of zinc, copper and glucocorticoids on metallothionein levels of cultured neurons and astrocytes from rat brain. Chemico-Biological Interactions, 1994, 93, 197-219.	1.7	61

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55	Sildenafil (Viagra) ameliorates clinical symptoms and neuropathology in a mouse model of multiple sclerosis. Acta Neuropathologica, 2011, 121, 499-508.	3.9	61
56	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.	1.7	60
57	Impaired Inflammatory Response to Glial Cell Death in Genetically Metallothionein-I- and -II-Deficient Mice. Experimental Neurology, 1999, 156, 149-164.	2.0	58
58	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.	1.7	57
59	Metallothionein-I and -III expression in animal models of Alzheimer disease. Neuroscience, 2006, 143, 911-922.	1.1	57
60	Metallothionein-III Prevents Glutamate and Nitric Oxide Neurotoxicity in Primary Cultures of Cerebellar Neurons. Journal of Neurochemistry, 2001, 75, 266-273.	2.1	56
61	Interleukinâ€6 receptor expression in contracting human skeletal muscle: regulating role of ILâ€6. FASEB Journal, 2005, 19, 1181-1183.	0.2	56
62	Metallothionein and brain inflammation. Journal of Biological Inorganic Chemistry, 2011, 16, 1103-1113.	1.1	56
63	Strongly compromised inflammatory response to brain injury in interleukin-6-deficient mice. Glia, 1999, 25, 343-57.	2.5	56
64	Expression of Metallothionein-I, -II, and -III in Alzheimer Disease and Animal Models of Neuroinflammation. Experimental Biology and Medicine, 2006, 231, 1450-1458.	1.1	55
65	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, 119-126.	2.0	55
66	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, 261-271.	1.2	54
67	METALLOTHIONEIN INDUCTION BY RESTRAINT STRESS: ROLE OF GLUCOCORTICOIDS AND IL-6. Cytokine, 2000, 12, 791-796.	1.4	53
68	Metallothionein 1+2 protect the CNS during neuroglial degeneration induced by 6-aminonicotinamide. Journal of Comparative Neurology, 2002, 444, 174-189.	0.9	53
69	Role of PGC-1Î± in exercise and fasting-induced adaptations in mouse liver. American Journal of Physiology - Regulatory Integrative and Comparative Physiology, 2011, 301, R1501-R1509.	0.9	53
70	Interleukin-6 Regulates the Expression of Hypothalamic Neuropeptides Involved in Body Weight in a Gender-Dependent Way. Journal of Neuroendocrinology, 2011, 23, 675-686.	1.2	51
71	Exerciseâ€induced liver chemokine CXCLâ€1 expression is linked to muscleâ€derived interleukinâ€6 expression. Journal of Physiology, 2011, 589, 1409-1420.	1.3	50
72	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.	2.0	49

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73	Role of metallothionein-III following central nervous system damage. Neurobiology of Disease, 2003, 13, 22-36.	2.1	49
74	Phosphodiesterase 5 inhibition at disease onset prevents experimental autoimmune encephalomyelitis progression through immunoregulatory and neuroprotective actions. Experimental Neurology, 2014, 251, 58-71.	2.0	49
75	Brain response to traumatic brain injury in wild-type and interleukin-6 knockout mice: a microarray analysis. Journal of Neurochemistry, 2005, 92, 417-432.	2.1	48
76	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.	2.0	48
77	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.	2.0	47
78	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.	2.5	45
79	Specificity and divergence in the neurobiologic effects of different metallothioneins after brain injury. Journal of Neuroscience Research, 2006, 83, 974-984.	1.3	45
80	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, 1452-1474.	1.3	45
81	Characterization of the role of metallothionein-3 in an animal model of Alzheimerâ€™s disease. Cellular and Molecular Life Sciences, 2012, 69, 3683-3700.	2.4	45
82	Differential expression of metallothioneins in the CNS of mice with experimental autoimmune encephalomyelitis. Neuroscience, 2001, 105, 1055-1065.	1.1	44
83	Induction of atypical EAE mediated by transgenic production of ILâ€6 in astrocytes in the absence of systemic ILâ€6. Glia, 2013, 61, 587-600.	2.5	44
84	Metallothionein response to stress in rats: role in free radical scavenging. American Journal of Physiology - Endocrinology and Metabolism, 1988, 255, E518-E524.	1.8	43
85	Increased demyelination and axonal damage in metallothionein I+II-deficient mice during experimental autoimmune encephalomyelitis. Cellular and Molecular Life Sciences, 2003, 60, 185-197.	2.4	43
86	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, 807-817.	2.1	43
87	Inhibition of corticosteroid-binding globulin caused by a severe stressor is apparently mediated by the adrenal but not by glucocorticoid receptors. Endocrine, 1997, 6, 159-164.	2.2	42
88	[23] Metallothionein expression and oxidative stress in the brain. Methods in Enzymology, 2002, 348, 238-249.	0.4	42
89	Metallothionein expression in the central nervous system of multiple sclerosis patients. Cellular and Molecular Life Sciences, 2003, 60, 1258-1266.	2.4	41
90	Activation of caspase-8 by tumour necrosis factor receptor 1 is necessary for caspase-3 activation and apoptosis in oxygenâ€“glucose deprived cultured cortical cells. Neurobiology of Disease, 2009, 35, 438-447.	2.1	41

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91	Astrocytic IL-6 mediates locomotor activity, exploration, anxiety, learning and social behavior. Hormones and Behavior, 2015, 73, 64-74.	1.0	40
92	Expression of Growth Inhibitory Factor (Metallothionein-lll) mRNA and Protein Following Excitotoxic Immature Brain Injury. Journal of Neuropathology and Experimental Neurology, 1999, 58, 389-397.	0.9	39
93	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.	0.9	39
94	Effect of Stress on Mouse and Rat Brain Metallothionein I and III mRNA Levels. Neuroendocrinology, 1996, 64, 430-439.	1.2	38
95	Metallothionein-I overexpression alters brain inflammation and stimulates brain repair in transgenic mice with astrocyte-targeted interleukin-6 expression. Glia, 2003, 42, 287-306.	2.5	38
96	Oxidative and nitrosative stress in acute pancreatitis. Modulation by pentoxifylline and oxypurinol. Biochemical Pharmacology, 2012, 83, 122-130.	2.0	38
97	Distribution of metallothionein I + II and vesicular zinc in the developing central nervous system: Correlative study in the rat. , 1999, 412, 303-318.		37
98	Metallothionein-mediated antioxidant defense system and its response to exercise training are impaired in human type 2 diabetes. Diabetes 2005;54:3089-3094. Diabetes, 2005, 54, 3089-3094.	0.3	36
99	Metallothionein and stress combine to affect multiple organ systems. Cell Stress and Chaperones, 2014, 19, 605-611.	1.2	35
100	Metallothionein-I induction by stress in specific brain areas. Neurochemical Research, 1991, 16, 1145-1148.	1.6	34
101	Increased astrocytic expression of metallothioneins I+II in brainstem of adult rats treated with 6-aminonicotinamide. Brain Research, 1997, 774, 256-259.	1.1	34
102	Metallothioneins Are Upregulated in Symptomatic Mice with Astrocyte-Targeted Expression of Tumor Necrosis Factor-Î±. Experimental Neurology, 2000, 163, 46-54.	2.0	34
103	Effects of astrocyteâ€targeted production of interleukinâ€6 in the mouse on the host response to nerve injury. Glia, 2014, 62, 1142-1161.	2.5	34
104	Effect of astrocyteâ€targeted production of ILâ€6 on traumatic brain injury and its impact on the cortical transcriptome. Developmental Neurobiology, 2008, 68, 195-208.	1.5	33
105	Role of Glucocorticoids on Rat Brain Metallothionein-I and-III Response to Stress. Stress, 1997, 1, 231-240.	0.8	32
106	Induction of metallothionein in astrocytes and microglia in the spinal cord from the myelin-deficient jimpy mouse. Brain Research, 1997, 767, 345-355.	1.1	32
107	ILâ€6 regulates exercise and trainingâ€induced adaptations in subcutaneous adipose tissue in mice. Acta Physiologica, 2012, 205, 224-235.	1.8	32
108	Bone marrow endothelial dysfunction promotes myeloid cell expansion in cardiovascular disease. , 2022, 1, 28-44.		32

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109	Effect of nitric oxide synthesis inhibition on mouse liver and brain metallothionein expression. Neurochemistry International, 1998, 33, 559-566.	1.9	31
110	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.	2.0	31
111	Role of metallothioneins in peripheral nerve function and regeneration. Cellular and Molecular Life Sciences, 2003, 60, 1209-1216.	2.4	31
112	Antiâ€apoptotic effect of Maoâ€B inhibitor PF9601N [Nâ€(2â€propynyl)â€2â€(5â€benzyloxyâ€indolyl) methylamine] is mediated by p53 pathway inhibition in MPP⁺â€treated SHâ€SY5Y human dopaminergic cells. Journal of Neurochemistry, 2008, 105, 2404-2417.	2.1	31
113	Metal-saccharide chemistry and biology: saccharide complexes of zinc and their effect on metallothionein synthesis in mice. Carbohydrate Research, 1996, 284, 73-84.	1.1	29
114	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.	1.0	29
115	IL-6 dysregulation originates in dendritic cells and mediates graft-versus-host disease via classical signaling. Blood, 2019, 134, 2092-2106.	0.6	29
116	Role of muscle IL-6 in gender-specific metabolism in mice. PLoS ONE, 2017, 12, e0173675.	1.1	29
117	Physiological role of glucocorticoids on rat serum and liver metallothionein in basal and stress conditions. American Journal of Physiology - Endocrinology and Metabolism, 1988, 254, E71-E78.	1.8	28
118	Muscle-specific interleukin-6 deletion influences body weight and body fat in a sex-dependent manner. Brain, Behavior, and Immunity, 2014, 40, 121-130.	2.0	28
119	Restraint stress induced changes in rat liver and serum metallothionein and in Zn metabolism. Experientia, 1986, 42, 1006-1010.	1.2	27
120	Exercise-induced metallothionein expression in human skeletal muscle fibres. Experimental Physiology, 2005, 90, 477-486.	0.9	27
121	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.	2.4	27
122	Targeted activation of <scp>CREB</scp> in reactive astrocytes is neuroprotective in focal acute cortical injury. Glia, 2016, 64, 853-874.	2.5	27
123	The effect of acute and chronic acth administration on pituitary-adrenal response to acute immobilization stress. Relationship to changes in corticosteroid-binding globulin. Endocrine Research, 1994, 20, 139-149.	0.6	26
124	Metallothionein prevents neurodegeneration and central nervous system cell death after treatment with gliotoxin 6-aminonicotinamide. Journal of Neuroscience Research, 2004, 77, 35-53.	1.3	26
125	IL-6 trans-signaling in the brain influences the behavioral and physio-pathological phenotype of the Tg2576 and 3xTgAD mouse models of Alzheimerâ€™s disease. Brain, Behavior, and Immunity, 2019, 82, 145-159.	2.0	26
126	Transition-metal saccharide chemistry and biology: Saccharide complexes of Cu(II) and their effect on in vivo metallothionein synthesis in mice. Journal of Inorganic Biochemistry, 1997, 66, 37-44.	1.5	25

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127	The effect of cadmium exposure and stress on plasma cortisol, metallothionein levels and oxidative status in rainbow trout (Oncorhynchus mykiss) liver. Comparative Biochemistry and Physiology C, Comparative Pharmacology and Toxicology, 1996, 114, 29-34.	0.5	24
128	Ordered transcriptional factor recruitment and epigenetic regulation of tnf-Î± in necrotizing acute pancreatitis. Cellular and Molecular Life Sciences, 2010, 67, 1687-1697.	2.4	24
129	Astrocytic IL-6 Influences the Clinical Symptoms of EAE in Mice. Brain Sciences, 2016, 6, 15.	1.1	24
130	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.	1.7	24
131	On the metallothionein, glutathione and cysteine relationship in rat liver. Journal of Pharmacology and Experimental Therapeutics, 1990, 255, 554-64.	1.3	24
132	Brain Metallothionein in Stress. NeuroSignals, 1994, 3, 198-210.	0.5	23
133	Endotoxin and intracerebroventricular injection of IL-1 and IL-6 induce rat brain metallothionein-I and -II. Neurochemistry International, 1998, 32, 369-373.	1.9	23
134	Thioflavin-based molecular probes for application in Alzheimer's disease: from in silico to in vitro models. Metallomics, 2015, 7, 83-92.	1.0	23
135	Microglial cellâ€derived interleukinâ€6 influences behavior and inflammatory response in the brain following traumatic brain injury. Glia, 2020, 68, 999-1016.	2.5	23
136	Regulation of metallothionein concentrations in rat brain: effect of glucocorticoids, zinc, copper, and endotoxin. American Journal of Physiology - Endocrinology and Metabolism, 1994, 266, E760-E767.	1.8	22
137	Interferon-Î³ Regulates Oxidative Stress during Experimental Autoimmune Encephalomyelitis. Experimental Neurology, 2002, 177, 21-31.	2.0	22
138	Interleukin-6 modifies mRNA expression in mouse skeletal muscle. Acta Physiologica, 2011, 202, 165-173.	1.8	22
139	Active Induction of Experimental Autoimmune Encephalomyelitis (EAE) with MOG35â€“55 in the Mouse. Methods in Molecular Biology, 2018, 1791, 227-232.	0.4	22
140	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.	4.8	22
141	Metallothionein-I+II induction by zinc and copper in primary cultures of rat microglia. Neurochemistry International, 1998, 33, 237-242.	1.9	21
142	Diverging mechanisms for TNF-Î± receptors in normal mouse brains and in functional recovery after injury: From gene to behavior. Journal of Neuroscience Research, 2007, 85, 2668-2685.	1.3	21
143	Skeletal muscle interleukinâ€6 regulates metabolic factors in i<scp>WAT</scp> during <scp>HFD</scp> and exercise training. Obesity, 2015, 23, 1616-1624.	1.5	21
144	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.	1.8	21

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145	The influence of restraint stress in rats on metallothionein production and corticosterone and glucagon secretion. Life Sciences, 1986, 39, 611-616.	2.0	20
146	Regulation of metallothionein-I+II levels in specific brain areas and liver in the rat: Role of catecholamines. Glia, 1994, 12, 135-143.	2.5	20
147	Systemic and organ specific metabolic variation in metallothionein knockout mice challenged with swimming exercise. Metabolomics, 2013, 9, 418-432.	1.4	20
148	Skeletal muscle IL-6 and regulation of liver metabolism during high-fat diet and exercise training. Physiological Reports, 2016, 4, e12788.	0.7	20
149	Interleukin-6 Derived from the Central Nervous System May Influence the Pathogenesis of Experimental Autoimmune Encephalomyelitis in a Cell-Dependent Manner. Cells, 2020, 9, 330.	1.8	20
150	Differences in prolactin and LH responses to acute stress between peripuberal and adult male rats. Journal of Endocrinology, 1987, 112, 9-13.	1.2	19
151	Vitamin E-Supplemented Diets Reduce Lipid Peroxidation but Do Not Alter Either Pituitary-Adrenal, Glucose, and Lactate Responses to Immobilization Stress or Gastric Ulceration. Free Radical Research Communications, 1990, 9, 113-118.	1.8	19
152	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, 1251-1260.	2.1	19
153	Short-term cadmium effects on gill tissue metabolism. Marine Pollution Bulletin, 1984, 15, 448-450.	2.3	18
154	Age-dependent effects of acute and chronic intermittent stresses on serum metallothionein. Physiology and Behavior, 1987, 39, 277-279.	1.0	18
155	Effect of zinc and copper on preimplantation mouse embryo developmentin vitroand metallothionein levels. Zygote, 1993, 1, 225-229.	0.5	18
156	Microglial response promotes neurodegeneration in the <scp>Ndufs4 KO</scp> mouse model of Leigh syndrome. Glia, 2022, 70, 2032-2044.	2.5	18
157	Metallothioneins I/II are involved in the neuroprotective effect of sildenafil in focal brain injury. Neurochemistry International, 2013, 62, 70-78.	1.9	17
158	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.	1.2	17
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