Marta Mendez

List of Publications by Year
in descending order

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78 papers	1,062 citations	430442 18 h-index	552369 26 g-index
80 all docs	80 docs citations	80 times ranked	1167 citing authors

#	Article	IF	Citations
1	Unfolding of spatial representation at systems level in infant rats. Hippocampus, 2022, 32, 121-133.	0.9	3
2	Functional near-infrared spectroscopy in the neuropsychological assessment of spatial memory: A systematic review. Acta Psychologica, 2022, 224, 103525.	0.7	11
3	Functional neuroanatomy of allocentric remote spatial memory in rodents. Neuroscience and Biobehavioral Reviews, 2022, 136, 104609.	2.9	4
4	No Effects of Photobiomodulation on Prefrontal Cortex and Hippocampal Cytochrome C Oxidase Activity and Expression of c-Fos Protein of Young Male and Female Rats. Frontiers in Neuroscience, 2022, 16, .	1.4	6
5	Early life stress due to repeated maternal separation alters the working memory acquisition brain functional network. Stress, 2021, 24, 87-95.	0.8	12
6	Development of visuospatial memory in preterm infants: A new paradigm to assess short-term and working memory. Child Neuropsychology, 2021, 27, 296-316.	0.8	3
7	Photobiomodulation effects on active brain networks during a spatial memory task. Physiology and Behavior, 2021, 230, 113291.	1.0	6
8	Spatial orientation assessment in preschool children: Egocentric and allocentric frameworks. Applied Neuropsychology: Child, 2021, 10, 171-193.	0.7	20
9	Evaluation of Visuospatial Short-term and Working Memory from the First to Second Year of Life: A Novel Task. Developmental Neuropsychology, 2021, 46, 16-32.	1.0	0
10	Methylene blue and photobiomodulation recover cognitive impairment in hepatic encephalopathy through different effects on cytochrome c-oxidase. Behavioural Brain Research, 2021, 403, 113164.	1.2	3
11	Recovering Spatial Information through Reactivation: Brain Oxidative Metabolism Involvement in Males and Females. Neuroscience, 2021, 459, 1-15.	1.1	3
12	Hippocampus and cortex are involved in the retrieval of a spatial memory under full and partial cue availability. Behavioural Brain Research, 2021, 405, 113204.	1.2	6
13	Two Interventions to Improve Knowledge of Scientific and Dissemination Articles in First-Year University Students. International Journal of Educational Psychology, 2021, 10, 172.	0.2	1
14	Repetitive transcranial magnetic stimulation during a spatial memory task leads to a decrease in brain metabolic activity. Brain Research, 2021, 1769, 147610.	1.1	1
15	Egocentric and allocentric spatial memory in young children: A comparison with young adults. Infant and Child Development, 2021, 30, e2216.	0.9	1
16	Neuropsychological Development and New Criteria for Extrauterine Growth Restriction in Very Low-Birth-Weight Children. Children, 2021, 8, 955.	0.6	1
17	How Does Maternal Separation Affect the Cerebellum? Assessment of the Oxidative Metabolic Activity and Expression of the c-Fos Protein in Male and Female Rats. Cerebellum, 2020, 19, 68-77.	1.4	8
18	Photobiomodulation as a promising new tool in the management of psychological disorders: A systematic review. Neuroscience and Biobehavioral Reviews, 2020, 119, 242-254.	2.9	23

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19	Retrieval of allocentric spatial memories is preserved up to thirty days and does not require higher brain metabolic demands. Neurobiology of Learning and Memory, 2020, 175, 107312.	1.0	7
20	Patients with Parkinsonâ€™s Disease Show Alteration in their Visuospatial Abilities and in their Egocentric and Allocentric Spatial Orientation Measured by Card Placing Tests. Journal of Parkinson's Disease, 2020, 10, 1807-1816.	1.5	7
21	Spatial memory assessment reveals age-related differences in egocentric and allocentric memory performance. Behavioural Brain Research, 2020, 388, 112646.	1.2	8
22	Equipment for Repetitive Transcranial Magnetic Stimulation. IEEE Transactions on Biomedical Circuits and Systems, 2020, 14, 525-534.	2.7	7
23	Development of egocentric and allocentric spatial orientation abilities in children born preterm with very low birth weight. Early Human Development, 2020, 141, 104947.	0.8	5
24	Egocentric and allocentric spatial memory in typically developed children: Is spatial memory associated with visuospatial skills, behavior, and cortisol?. Brain and Behavior, 2020, 10, e01532.	1.0	6
25	The association between perinatal and neonatal variables and neuropsychological development in very and extremely low-birth-weight preterm children at the beginning of primary school. Applied Neuropsychology: Child, 2020, 10, 1-11.	0.7	7
26	The swimming control group in spatial reference memory task: analysis of its motor cortex activity. Archives Italiennes De Biologie, 2020, 158, 45-55.	0.1	1
27	Differential effects of photobiomodulation interval schedules on brain cytochrome c-oxidase and proto-oncogene expression. Neurophotonics, 2020, 7, 045011.	1.7	4
28	Performance on Daily Life Activities and Executive Functioning in Parkinson Disease. Topics in Geriatric Rehabilitation, 2020, 36, 252-259.	0.2	1
29	Photobiomodulation rescues cognitive flexibility in early stressed subjects. Brain Research, 2019, 1720, 146300.	1.1	7
30	High frequency repetitive transcranial magnetic stimulation improves neuronal activity without affecting astrocytes and microglia density. Brain Research Bulletin, 2019, 150, 13-20.	1.4	22
31	Early life stress by repeated maternal separation induces long-term neuroinflammatory response in glial cells of male rats. Stress, 2019, 22, 563-570.	0.8	49
32	Egocentric and allocentric spatial memory in healthy aging: performance on real-world tasks. Brazilian Journal of Medical and Biological Research, 2019, 52, e8041.	0.7	22
33	Adult social isolation leads to anxiety and spatial memory impairment: Brain activity pattern of COx and c-Fos. Behavioural Brain Research, 2019, 365, 170-177.	1.2	45
34	Spatial memory in young adults: Gender differences in egocentric and allocentric performance. Behavioural Brain Research, 2019, 359, 694-700.	1.2	27
35	Why are maternally separated females inflexible? Brain activity pattern of COx and c-Fos. Neurobiology of Learning and Memory, 2018, 155, 30-41.	1.0	17
36	Assessing the brain through the eye: New ways to explore hepatic encephalopathy. Physiology and Behavior, 2017, 173, 263-271.	1.0	3

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37	Behavioral effects in adolescence and early adulthood in two length models of maternal separation in male rats. Behavioural Brain Research, 2017, 324, 77-86.	1.2	58
38	Spatial memory-related brain activity in normally reared and different maternal separation models in rats. Physiology and Behavior, 2017, 181, 80-85.	1.0	19
39	Impact of stress in childhood: Psychobiological alterations. Psicothema, 2017, 29, 18-22.	0.7	7
40	Low-light-level therapy as a treatment for minimal hepatic encephalopathy: behavioural and brain assessment. Lasers in Medical Science, 2016, 31, 1717-1726.	1.0	11
41	Characterizing Minimal Hepatic Encephalopathy: Inflammation, Metabolism and Morphophysiological Effects. Journal of Hepatology, 2016, 64, S450.	1.8	0
42	The effect of recording interval length on behavioral assessment using the forced swimming test. Revista Iberoamericana De Psicologia Y Salud, 2015, 6, 90-95.	0.9	7
43	The importance of the context in the hippocampus and brain related areas throughout the performance of a fear conditioning task. Hippocampus, 2015, 25, 1242-1249.	0.9	19
44	c-Fos expression correlates with performance on novel object and novel place recognition tests. Brain Research Bulletin, 2015, 117, 16-23.	1.4	34
45	Effects of a high protein diet on cognition and brain metabolism in cirrhotic rats. Physiology and Behavior, 2015, 149, 220-228.	1.0	12
46	The recognition of a novel-object in a novel context leads to hippocampal and parahippocampal c-Fos involvement. Behavioural Brain Research, 2015, 292, 44-49.	1.2	15
47	How demanding is the brain on a reversal task under day and night conditions?. Neuroscience Letters, 2015, 600, 153-157.	1.0	2
48	Main target of minimal hepatic encephalopathy: Morphophysiological, inflammatory and metabolic view. Physiology and Behavior, 2015, 149, 247-254.	1.0	11
49	Finding the place without the whole: Timeline involvement of brain regions. Brain Research, 2015, 1625, 18-28.	1.1	6
50	Differential contribution of the hippocampus in two different demanding tasks at early stages of hepatic encephalopathy. Neuroscience, 2015, 284, 1-10.	1.1	10
51	Brain networks underlying navigation in the Cincinnati water maze with external and internal cues. Neuroscience Letters, 2014, 576, 68-72.	1.0	6
52	Spatial learningâ€related changes in metabolic activity of limbic structures at different posttask delays. Journal of Neuroscience Research, 2013, 91, 151-159.	1.3	18
53	Effects of forced exercise on spatial memory and cytochrome c oxidase activity in aged rats. Brain Research, 2013, 1502, 20-29.	1.1	22
54	Mapping Metabolic Brain Activity in Three Models of Hepatic Encephalopathy. International Journal of Hypertension, 2013, 2013, 1-7.	0.5	12

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55	Functional networks involved in spatial learning strategies in middle-aged rats. Neurobiology of Learning and Memory, 2012, 97, 346-353.	1.0	18
56	Similarities and differences between the brain networks underlying allocentric and egocentric spatial learning in rat revealed by cytochrome oxidase histochemistry. Neuroscience, 2012, 223, 174-182.	1.1	20
57	Brain metabolism and spatial memory are affected by portal hypertension. Metabolic Brain Disease, 2012, 27, 183-191.	1.4	16
58	Portosystemic hepatic encephalopathy model shows reversal learning impairment and dysfunction of neural activity in the prefrontal cortex and regions involved in motivated behavior. Journal of Clinical Neuroscience, 2011, 18, 690-694.	0.8	13
59	Acetylcholinesterase activity in an experimental rat model of Type C hepatic encephalopathy. Acta Histochemica, 2011, 113, 358-362.	0.9	21
60	Memory performance and scopolamine: Hypoactivity of the thalamus revealed by cytochrome oxidase histochemistry. Acta Histochemica, 2011, 113, 465-471.	0.9	6
61	Interhippocampal transfer in passive avoidance task modifies metabolic activity in limbic structures. Hippocampus, 2011, 21, 48-55.	0.9	10
62	Portal hypertension in 18-month-old rats: Memory deficits and brain metabolic activity. Physiology and Behavior, 2010, 100, 135-142.	1.0	9
63	Spatial short-term memory in rats: Effects of learning trials on metabolic activity of limbic structures. Neuroscience Letters, 2010, 483, 32-35.	1.0	13
64	Reversal learning impairment and alterations in the prefrontal cortex and the hippocampus in a model of portosystemic hepatic encephalopathy. Acta Neurologica Belgica, 2010, 110, 246-54.	0.5	5
65	The value of microsurgery in liver research. Liver International, 2009, 29, 1132-1140.	1.9	30
66	Basal and learning task-related brain oxidative metabolism in cirrhotic rats. Brain Research Bulletin, 2009, 78, 195-201.	1.4	18
67	Spatial working memory in Wistar rats: Brain sex differences in metabolic activity. Brain Research Bulletin, 2009, 79, 187-192.	1.4	24
68	Associative learning deficit in two experimental models of hepatic encephalopathy. Behavioural Brain Research, 2009, 198, 346-351.	1.2	28
69	Sexually dimorphic c-Fos expression following spatial working memory in young and adult rats. Physiology and Behavior, 2009, 98, 307-317.	1.0	29
70	Hippocampal heterogeneity in spatial memory revealed by cytochrome oxidase. Neuroscience Letters, 2009, 452, 162-166.	1.0	13
71	Spatial working memory learning in young male and female rats: Involvement of different limbic system regions revealed by cytochrome oxidase activity. Neuroscience Research, 2009, 65, 28-34.	1.0	36
72	Mammillary body alterations and spatial memory impairment in Wistar rats with thioacetamide-induced cirrhosis. Brain Research, 2008, 1233, 185-195.	1.1	17

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73	Prehepatic portal hypertension worsens the enterohepatic redox balance in thioacetamide-cirrhotic rats. Pathophysiology, 2008, 15, 233-242.	1.0	1
74	Working memory impairment and reduced hippocampal and prefrontal cortex c-Fos expression in a rat model of cirrhosis. Physiology and Behavior, 2008, 95, 302-307.	1.0	22
75	Spatial memory alterations in three models of hepatic encephalopathy. Behavioural Brain Research, 2008, 188, 32-40.	1.2	50
76	[187] PORTAL HYPERTENSION CONTRIBUTES TO SPATIAL REFERENCE MEMORY DEFICIT IN THE RAT. Journal of Hepatology, 2007, 46, S79-S80.	1.8	1
77	Unilateral hippocampal blockade reveals that one hippocampus is sufficient for learning a passive avoidance task. Journal of Neuroscience Research, 2007, 85, 1138-1142.	1.3	15
78	Partial Portal Vein Ligation Plus Thioacetamide: A Method to Obtain a New Model of Cirrhosis and Chronic Portal Hypertension in the Rat. Journal of Gastrointestinal Surgery, 2007, 11, 187-194.	0.9	16