

# Maria G Leggio

## List of Publications by Year in descending order

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Version: 2024-02-01

99  
papers

6,634  
citations

66343

42  
h-index

69250

77  
g-index

99  
all docs

99  
docs citations

99  
times ranked

6051  
citing authors

#	ARTICLE	IF	CITATIONS
1	Environmental enrichment promotes improved spatial abilities and enhanced dendritic growth in the rat. <i>Behavioural Brain Research</i> , 2005, 163, 78-90.	2.2	421
2	Consensus Paper: Cerebellum and Emotion. <i>Cerebellum</i> , 2017, 16, 552-576.	2.5	393
3	Consensus Paper: The Role of the Cerebellum in Perceptual Processes. <i>Cerebellum</i> , 2015, 14, 197-220.	2.5	355
4	Consensus Paper: Language and the Cerebellum: an Ongoing Enigma. <i>Cerebellum</i> , 2014, 13, 386-410.	2.5	347
5	Cerebellum and procedural learning: evidence from focal cerebellar lesions. <i>Brain</i> , 1997, 120, 1753-1762.	7.6	296
6	The cerebellar cognitive profile. <i>Brain</i> , 2011, 134, 3672-3686.	7.6	224
7	Consensus Paper: Cerebellum and Social Cognition. <i>Cerebellum</i> , 2020, 19, 833-868.	2.5	205
8	Phonological grouping is specifically affected in cerebellar patients: a verbal fluency study. <i>Journal of Neurology, Neurosurgery and Psychiatry</i> , 2000, 69, 102-106.	1.9	197
9	On whether the environmental enrichment may provide cognitive and brain reserves. <i>Brain Research Reviews</i> , 2009, 61, 221-239.	9.0	196
10	Cerebellum and Detection of Sequences, from Perception to Cognition. <i>Cerebellum</i> , 2008, 7, 611-615.	2.5	172
11	Auditory thalamocortical pathways defined in monkeys by calcium-binding protein immunoreactivity. <i>Journal of Comparative Neurology</i> , 1995, 362, 171-194.	1.6	159
12	The Cerebellar Cognitive Affective/Schmahmann Syndrome: a Task Force Paper. <i>Cerebellum</i> , 2020, 19, 102-125.	2.5	157
13	Cognitive sequencing impairment in patients with focal or atrophic cerebellar damage. <i>Brain</i> , 2008, 131, 1332-1343.	7.6	151
14	Cerebellar Sequencing: a Trick for Predicting the Future. <i>Cerebellum</i> , 2015, 14, 35-38.	2.5	151
15	Verbal short-term store-rehearsal system and the cerebellum. Evidence from a patient with a right cerebellar lesion. <i>Brain</i> , 1998, 121, 2175-2187.	7.6	146
16	The cerebellum in the spatial problem solving: a co-star or a guest star?. <i>Progress in Neurobiology</i> , 1998, 56, 191-210.	5.7	134
17	Neurobiology of Rhythmic Motor Entrainment. <i>Annals of the New York Academy of Sciences</i> , 2003, 999, 313-321.	3.8	119
18	The neuropsychological profile of cerebellar damage: The sequencing hypothesis. <i>Cortex</i> , 2011, 47, 137-144.	2.4	118

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19	Cerebellar damage impairs detection of somatosensory input changes. A somatosensory mismatch-negativity study. <i>Brain</i> , 2006, 130, 276-287.	7.6	115
20	Representation of actions in rats: The role of cerebellum in learning spatial performances by observation. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2000, 97, 2320-2325.	7.1	95
21	Neuronal plasticity of interrelated cerebellar and cortical networks. <i>Neuroscience</i> , 2002, 111, 863-870.	2.3	93
22	The cerebellum and neural networks for rhythmic sensorimotor synchronization in the human brain. <i>Cerebellum</i> , 2007, 6, 18-23.	2.5	93
23	Layer and regional effects of environmental enrichment on the pyramidal neuron morphology of the rat. <i>Neurobiology of Learning and Memory</i> , 2009, 91, 353-365.	1.9	87
24	Resting-State Functional Connectivity Changes Between Dentate Nucleus and Cortical Social Brain Regions in Autism Spectrum Disorders. <i>Cerebellum</i> , 2017, 16, 283-292.	2.5	84
25	Cerebellar contribution to spatial event processing: characterization of procedural learning. <i>Experimental Brain Research</i> , 1999, 127, 1-11.	1.5	83
26	Cerebellar contribution to spatial event processing: involvement in procedural and working memory components. <i>European Journal of Neuroscience</i> , 2001, 14, 2011-2022.	2.6	71
27	Watch how to do it! New advances in learning by observation. <i>Brain Research Reviews</i> , 2003, 42, 252-264.	9.0	67
28	Nitric oxide synthase immunoreactivity colocalized with NADPH-diaphorase histochemistry in monkey cerebral cortex. <i>Brain Research</i> , 1994, 641, 341-349.	2.2	63
29	The Cerebellar Predictions for Social Interactions: Theory of Mind Abilities in Patients With Degenerative Cerebellar Atrophy. <i>Frontiers in Cellular Neuroscience</i> , 2018, 12, 510.	3.7	62
30	Spatial dysgraphia and cerebellar lesion. <i>Neurology</i> , 1997, 48, 1529-1532.	1.1	60
31	State Estimation, Response Prediction, and Cerebellar Sensory Processing for Behavioral Control. <i>Cerebellum</i> , 2009, 8, 399-402.	2.5	60
32	Cerebellar information processing and visuospatial functions. <i>Cerebellum</i> , 2007, 6, 214-220.	2.5	59
33	Environmental Enrichment Provides a Cognitive Reserve to be Spent in the Case of Brain Lesion. <i>Journal of Alzheimer's Disease</i> , 2008, 15, 11-28.	2.6	57
34	Excitability of the motor cortex to magnetic stimulation in patients with cerebellar lesions. <i>Journal of Neurology, Neurosurgery and Psychiatry</i> , 1994, 57, 108-110.	1.9	56
35	The sequencing process generated by the cerebellum crucially contributes to social interactions. <i>Medical Hypotheses</i> , 2019, 128, 33-42.	1.5	56
36	Cerebellar Damage Impairs Executive Control and Monitoring of Movement Generation. <i>PLoS ONE</i> , 2014, 9, e85997.	2.5	55

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37	Consensus Paper: Current Views on the Role of Cerebellar Interpositus Nucleus in Movement Control and Emotion. <i>Cerebellum</i> , 2013, 12, 738-757.	2.5	53
38	Verbal Fluency and Agrammatism. <i>International Review of Neurobiology</i> , 1997, 41, 325-339.	2.0	52
39	Phonological short-term store impairment after cerebellar lesion: A single case study. <i>Neuropsychologia</i> , 2008, 46, 1940-1953.	1.6	52
40	Topography of the cerebellum in relation to social brain regions and emotions. <i>Handbook of Clinical Neurology</i> / Edited By P J Vinken and G W Bruyn, 2018, 154, 71-84.	1.8	52
41	Cerebro-cerebellar interactions in man: neurophysiological studies in patients with focal cerebellar lesions. <i>Electroencephalography and Clinical Neurophysiology - Evoked Potentials</i> , 1994, 93, 27-34.	2.0	49
42	From cerebellar alterations to mood disorders: A systematic review. <i>Neuroscience and Biobehavioral Reviews</i> , 2019, 103, 21-28.	6.1	47
43	The Role of the Cerebellum in Unconscious and Conscious Processing of Emotions: A Review. <i>Applied Sciences (Switzerland)</i> , 2017, 7, 521.	2.5	44
44	Structural cerebellar correlates of cognitive functions in spinocerebellar ataxia type 2. <i>Journal of Neurology</i> , 2018, 265, 597-606.	3.6	44
45	Cerebellar contribution to spatial event processing: do spatial procedures contribute to formation of spatial declarative knowledge?. <i>European Journal of Neuroscience</i> , 2003, 18, 2618-2626.	2.6	42
46	Sensorimotor transduction of time information is preserved in subjects with cerebellar damage. <i>Brain Research Bulletin</i> , 2005, 67, 448-458.	3.0	42
47	Lobular patterns of cerebellar resting-state connectivity in adults with Autism Spectrum Disorder. <i>European Journal of Neuroscience</i> , 2018, 47, 729-735.	2.6	42
48	Clusters of non-truncating mutations of P/Q type Ca <sup>2+</sup> channel subunit Cav2.1 causing episodic ataxia 2. <i>Journal of Medical Genetics</i> , 2004, 41, e82-e82.	3.2	40
49	Quantification of gray matter changes in the cerebral cortex after isolated cerebellar damage: a voxel-based morphometry study. <i>Neuroscience</i> , 2009, 162, 827-835.	2.3	39
50	Depression disorder in patients with cerebellar damage: Awareness of the mood state.. <i>Journal of Affective Disorders</i> , 2019, 245, 386-393.	4.1	39
51	Cerebellar dentate nucleus functional connectivity with cerebral cortex in Alzheimer's disease and memory: a seed-based approach. <i>Neurobiology of Aging</i> , 2020, 89, 32-40.	3.1	38
52	Neural substrates of motor and cognitive dysfunctions in SCA2 patients: A network based statistics analysis. <i>NeuroImage: Clinical</i> , 2017, 14, 719-725.	2.7	36
53	Chemical Compartmentation and Relationships between Calcium-binding Protein Immunoreactivity and Layer-specific Cortical and Caudate-projecting Cells in the Anterior Intralaminar Nuclei of the Cat. <i>European Journal of Neuroscience</i> , 1994, 6, 299-312.	2.6	35
54	Evidence of Cerebellar Involvement in the Onset of a Manic State. <i>Frontiers in Neurology</i> , 2018, 9, 774.	2.4	35

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55	Environmental enrichment mitigates the effects of basal forebrain lesions on cognitive flexibility. <i>Neuroscience</i> , 2008, 154, 444-453.	2.3	34
56	Inability to Process Negative Emotions in Cerebellar Damage: a Functional Transcranial Doppler Sonographic Study. <i>Cerebellum</i> , 2015, 14, 663-669.	2.5	33
57	Cerebellar spatial dysgraphia: further evidence. <i>Journal of Neurology</i> , 1999, 246, 312-313.	3.6	32
58	Microstructural MRI Basis of the Cognitive Functions in Patients with Spinocerebellar Ataxia Type 2. <i>Neuroscience</i> , 2017, 366, 44-53.	2.3	31
59	Development of a Psychiatric Disorder Linked to Cerebellar Lesions. <i>Cerebellum</i> , 2018, 17, 438-446.	2.5	26
60	Expression patterns and deprivation effects on GABAA receptor subunit and GAD mRNAs in monkey lateral geniculate nucleus. <i>Journal of Comparative Neurology</i> , 1995, 352, 235-247.	1.6	25
61	Learning power of single behavioral units in acquisition of a complex spatial behavior: An observational learning study in cerebellar-lesioned rats.. <i>Behavioral Neuroscience</i> , 2002, 116, 116-125.	1.2	24
62	NMDA receptor activity in learning spatial procedural strategies. <i>Brain Research Bulletin</i> , 2006, 70, 356-367.	3.0	23
63	The NMDA receptor antagonist CGS 19755 disrupts recovery following cerebellar lesions. <i>Restorative Neurology and Neuroscience</i> , 2006, 24, 1-7.	0.7	23
64	Does the cerebellum contribute to human navigation by processing sequential information?. <i>Neuropsychology</i> , 2017, 31, 564-574.	1.3	22
65	The neurobiological underpinning of the social cognition impairments in patients with spinocerebellar ataxia type 2. <i>Cortex</i> , 2021, 138, 101-112.	2.4	22
66	Interhemispheric Connectivity Characterizes Cortical Reorganization in Motor-Related Networks After Cerebellar Lesions. <i>Cerebellum</i> , 2017, 16, 358-375.	2.5	21
67	The cerebellum is linked to theory of mind alterations in autism. A direct clinical and <scp>MRI</scp> comparison between individuals with autism and cerebellar neurodegenerative pathologies. <i>Autism Research</i> , 2021, 14, 2300-2313.	3.8	19
68	Cerebellar damage impairs the self-rating of regret feeling in a gambling task. <i>Frontiers in Behavioral Neuroscience</i> , 2015, 9, 113.	2.0	17
69	Functional Changes of Mentalizing Network in SCA2 Patients: Novel Insights into Understanding the Social Cerebellum. <i>Cerebellum</i> , 2020, 19, 235-242.	2.5	17
70	Impact of cerebellar atrophy on cortical gray matter and cerebellar peduncles as assessed by voxel-based morphometry and high angular resolution diffusion imaging. <i>Functional Neurology</i> , 2016, 31, 239-248.	1.3	17
71	A new paradigm to analyze observational learning in rats. <i>Brain Research Protocols</i> , 2003, 12, 83-90.	1.6	15
72	NMDA receptor activity in learning spatial procedural strategies. <i>Brain Research Bulletin</i> , 2006, 70, 347-355.	3.0	15

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73	Oculomotor deficits affect neuropsychological performance in oculomotor apraxia type 2. <i>Cortex</i> , 2013, 49, 691-701.	2.4	15
74	Comparison of Cerebellar Grey Matter Alterations in Bipolar and Cerebellar Patients: Evidence from Voxel-Based Analysis. <i>International Journal of Molecular Sciences</i> , 2021, 22, 3511.	4.1	15
75	The cerebellar topography of attention sub-components in spinocerebellar ataxia type 2. <i>Cortex</i> , 2018, 108, 35-49.	2.4	14
76	The Role of the Posterior Cerebellum in Dysfunctional Social Sequencing. <i>Cerebellum</i> , 2022, 21, 1123-1134.	2.5	14
77	Influence of Disorders of Visual Perception in Word-to-Picture Matching Tasks in Patients with Alzheimer's Disease. <i>Brain and Language</i> , 1996, 54, 326-334.	1.6	13
78	Is the cerebellum involved in the visuo-locomotor associative learning?. <i>Behavioural Brain Research</i> , 2007, 184, 47-56.	2.2	13
79	Cerebello-Cortical Alterations Linked to Cognitive and Social Problems in Patients With Spastic Paraplegia Type 7: A Preliminary Study. <i>Frontiers in Neurology</i> , 2020, 11, 82.	2.4	13
80	Atrophic degeneration of cerebellum impairs both the reactive and the proactive control of movement in the stop signal paradigm. <i>Experimental Brain Research</i> , 2017, 235, 2971-2981.	1.5	12
81	Aberrant Cerebello-Cerebral Connectivity in Remitted Bipolar Patients 1 and 2: New Insight into Understanding the Cerebellar Role in Mania and Hypomania. <i>Cerebellum</i> , 2022, 21, 647-656.	2.5	12
82	Bilateral effects of unilateral cerebellar lesions as detected by voxel based morphometry and diffusion imaging. <i>PLoS ONE</i> , 2017, 12, e0180439.	2.5	9
83	Expression of mRNAs related to the GABAergic and glutamatergic neurotransmitter systems in the human thalamus: normal and schizophrenic. <i>Thalamus &amp; Related Systems</i> , 2002, 1, 349-369.	0.5	8
84	Does the cerebellar sequential theory explain spoken language impairments? A literature review. <i>Clinical Linguistics and Phonetics</i> , 2021, 35, 296-309.	0.9	6
85	Cerebellar Sequencing for Cognitive Processing. , 2013, , 1701-1715.		6
86	New protocol for dissociating visuospatial working memory ability in reaching space and in navigational space. <i>Behavior Research Methods</i> , 2018, 50, 1602-1613.	4.0	5
87	Non-linear spelling in writing after a pure cerebellar lesion.. <i>Neuropsychologia</i> , 2019, 132, 107143.	1.6	5
88	Cerebellar information flow in the thalamus: implications for cortical functions. <i>Thalamus &amp; Related Systems</i> , 2005, 3, 141.	0.5	4
89	Monitoring mood states in everyday life: A new device for patients with cerebellar ataxia. <i>Psychiatry Research</i> , 2014, 220, 719-721.	3.3	4
90	Pseudotumor cerebri as presenting syndrome of Addisonian crisis. <i>Italian Journal of Neurological Sciences</i> , 1995, 16, 385-389.	0.1	3

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91	Cerebellum and Verbal Fluency (Phonological and Semantic). , 2016, , 63-80.		3
92	Hemicerebellectomy. , 2013, , 1579-1594.		3
93	The Cerebellum: A Therapeutic Target in Treating Speech and Language Disorders. , 2020, , 141-175.		2
94	Cerebellum: Cognitive Functions. , 2015, , 327-331.		1
95	Cerebellum: Clinical Pathology. , 2009, , 737-742.		0
96	The behavioral variant of frontotemporal dementia: Linking cerebellar MRI alterations to behavioral and affective symptoms. Journal of the Neurological Sciences, 2021, 429, 118969.	0.6	0
97	Clinical Functional Topography in Cognition. , 2016, , 391-396.		0
98	Cerebellar Sequencing for Cognitive Processing. , 2020, , 1-17.		0
99	Cerebellar Sequencing for Cognitive Processing. , 2022, , 1937-1953.		0