

# Egidio D Angelo

## List of Publications by Citations

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211  
papers

7,829  
citations

50  
h-index

80  
g-index

252  
ext. papers

9,553  
ext. citations

5.3  
avg, IF

6.21  
L-index

#	Paper	IF	Citations
211	Beyond parallel fiber LTD: the diversity of synaptic and non-synaptic plasticity in the cerebellum. <i>Nature Neuroscience</i> , <b>2001</b> , 4, 467-75	25.5	500
210	Timing and plasticity in the cerebellum: focus on the granular layer. <i>Trends in Neurosciences</i> , <b>2009</b> , 32, 30-40	13.3	245
209	Theta-frequency bursting and resonance in cerebellar granule cells: experimental evidence and modeling of a slow k <sup>+</sup> -dependent mechanism. <i>Journal of Neuroscience</i> , <b>2001</b> , 21, 759-70	6.6	228
208	Synaptic excitation of individual rat cerebellar granule cells in situ: evidence for the role of NMDA receptors. <i>Journal of Physiology</i> , <b>1995</b> , 484 ( Pt 2), 397-413	3.9	208
207	Seeking a unified framework for cerebellar function and dysfunction: from circuit operations to cognition. <i>Frontiers in Neural Circuits</i> , <b>2012</b> , 6, 116	3.5	203
206	Long-term potentiation of intrinsic excitability at the mossy fiber-granule cell synapse of rat cerebellum. <i>Journal of Neuroscience</i> , <b>2000</b> , 20, 5208-16	6.6	193
205	Fibroblast growth factor homologous factors control neuronal excitability through modulation of voltage-gated sodium channels. <i>Neuron</i> , <b>2007</b> , 55, 449-63	13.9	183
204	Evidence for NMDA and mGlu receptor-dependent long-term potentiation of mossy fiber-granule cell transmission in rat cerebellum. <i>Journal of Neurophysiology</i> , <b>1999</b> , 81, 277-87	3.2	174
203	The spatial organization of long-term synaptic plasticity at the input stage of cerebellum. <i>Journal of Neuroscience</i> , <b>2007</b> , 27, 1285-96	6.6	114
202	LTP regulates burst initiation and frequency at mossy fiber-granule cell synapses of rat cerebellum: experimental observations and theoretical predictions. <i>Journal of Neurophysiology</i> , <b>2006</b> , 95, 686-99	3.2	114
201	Stim and Orai proteins in neuronal Ca <sup>2+</sup> signaling and excitability. <i>Frontiers in Cellular Neuroscience</i> , <b>2015</b> , 9, 153	6.1	112
200	Dual-component NMDA receptor currents at a single central synapse. <i>Nature</i> , <b>1990</b> , 346, 467-70	50.4	111
199	Ionic mechanisms of autorhythmic firing in rat cerebellar Golgi cells. <i>Journal of Physiology</i> , <b>2006</b> , 574, 711-29	3.9	108
198	A realistic large-scale model of the cerebellum granular layer predicts circuit spatio-temporal filtering properties. <i>Frontiers in Cellular Neuroscience</i> , <b>2010</b> , 4, 12	6.1	107
197	Axonal Na <sup>+</sup> channels ensure fast spike activation and back-propagation in cerebellar granule cells. <i>Journal of Neurophysiology</i> , <b>2009</b> , 101, 519-32	3.2	106
196	Altered neuronal excitability in cerebellar granule cells of mice lacking calretinin. <i>Journal of Neuroscience</i> , <b>2003</b> , 23, 9320-7	6.6	106
195	Increased neurotransmitter release during long-term potentiation at mossy fibre-granule cell synapses in rat cerebellum. <i>Journal of Physiology</i> , <b>2004</b> , 557, 843-61	3.9	105

194	Ionic mechanism of electroresponsiveness in cerebellar granule cells implicates the action of a persistent sodium current. <i>Journal of Neurophysiology</i> , <b>1998</b> , 80, 493-503	3.2	103
193	Different proportions of N-methyl-D-aspartate and non-N-methyl-D-aspartate receptor currents at the mossy fibre-granule cell synapse of developing rat cerebellum. <i>Neuroscience</i> , <b>1993</b> , 53, 121-30	3.9	102
192	Contralateral cerebello-thalamo-cortical pathways with prominent involvement of associative areas in humans in vivo. <i>Brain Structure and Function</i> , <b>2015</b> , 220, 3369-84	4	99
191	Silencing the majority of cerebellar granule cells uncovers their essential role in motor learning and consolidation. <i>Cell Reports</i> , <b>2013</b> , 3, 1239-51	10.6	97
190	Timing in the cerebellum: oscillations and resonance in the granular layer. <i>Neuroscience</i> , <b>2009</b> , 162, 805-15	3.5	97
189	Increased ethanol resistance and consumption in Eps8 knockout mice correlates with altered actin dynamics. <i>Cell</i> , <b>2006</b> , 127, 213-26	56.2	96
188	Intracellular calcium regulation by burst discharge determines bidirectional long-term synaptic plasticity at the cerebellum input stage. <i>Journal of Neuroscience</i> , <b>2005</b> , 25, 4813-22	6.6	90
187	Fast-reset of pacemaking and theta-frequency resonance patterns in cerebellar golgi cells: simulations of their impact in vivo. <i>Frontiers in Cellular Neuroscience</i> , <b>2007</b> , 1, 4	6.1	89
186	Tactile stimulation evokes long-term synaptic plasticity in the granular layer of cerebellum. <i>Journal of Neuroscience</i> , <b>2008</b> , 28, 6354-9	6.6	79
185	Contralateral cortico-ponto-cerebellar pathways reconstruction in humans in vivo: implications for reciprocal cerebro-cerebellar structural connectivity in motor and non-motor areas. <i>Scientific Reports</i> , <b>2017</b> , 7, 12841	4.9	78
184	Realistic circuit modeling: large-scale simulations of the cerebellar granular layer. <i>BMC Neuroscience</i> , <b>2010</b> , 11,	3.2	78
183	Computational reconstruction of pacemaking and intrinsic electroresponsiveness in cerebellar Golgi cells. <i>Frontiers in Cellular Neuroscience</i> , <b>2007</b> , 1, 2	6.1	75
182	The organization of plasticity in the cerebellar cortex: from synapses to control. <i>Progress in Brain Research</i> , <b>2014</b> , 210, 31-58	2.9	73
181	NMDA receptor 2 (NR2) C-terminal control of NR open probability regulates synaptic transmission and plasticity at a cerebellar synapse. <i>Journal of Neuroscience</i> , <b>2002</b> , 22, 9687-97	6.6	72
180	The cerebellar network: from structure to function and dynamics. <i>Brain Research Reviews</i> , <b>2011</b> , 66, 5-15		71
179	Kinetic and functional analysis of transient, persistent and resurgent sodium currents in rat cerebellar granule cells in situ: an electrophysiological and modelling study. <i>Journal of Physiology</i> , <b>2006</b> , 573, 83-106	3.9	69
178	The weaver mutation causes a loss of inward rectifier current regulation in premigratory granule cells of the mouse cerebellum. <i>Journal of Neuroscience</i> , <b>1998</b> , 18, 3537-47	6.6	68
177	Tonic activation of GABAB receptors reduces release probability at inhibitory connections in the cerebellar glomerulus. <i>Journal of Neurophysiology</i> , <b>2009</b> , 101, 3089-99	3.2	65

176	Altered neuron excitability and synaptic plasticity in the cerebellar granular layer of juvenile prion protein knock-out mice with impaired motor control. <i>Journal of Neuroscience</i> , <b>2008</b> , 28, 7091-103	6.6	64
175	Differential induction of bidirectional long-term changes in neurotransmitter release by frequency-coded patterns at the cerebellar input. <i>Journal of Physiology</i> , <b>2009</b> , 587, 5843-57	3.9	60
174	The critical role of Golgi cells in regulating spatio-temporal integration and plasticity at the cerebellum input stage. <i>Frontiers in Neuroscience</i> , <b>2008</b> , 2, 35-46	5.1	59
173	Consensus paper: Decoding the Contributions of the Cerebellum as a Time Machine. From Neurons to Clinical Applications. <i>Cerebellum</i> , <b>2019</b> , 18, 266-286	4.3	59
172	The cerebellar Golgi cell and spatiotemporal organization of granular layer activity. <i>Frontiers in Neural Circuits</i> , <b>2013</b> , 7, 93	3.5	57
171	NO enhances presynaptic currents during cerebellar mossy fiber-granule cell LTP. <i>Journal of Neurophysiology</i> , <b>2003</b> , 90, 2478-83	3.2	57
170	Presynaptic current changes at the mossy fiber-granule cell synapse of cerebellum during LTP. <i>Journal of Neurophysiology</i> , <b>2002</b> , 88, 627-38	3.2	57
169	Synaptic activation of Ca <sup>2+</sup> action potentials in immature rat cerebellar granule cells in situ. <i>Journal of Neurophysiology</i> , <b>1997</b> , 78, 1631-42	3.2	56
168	Physiology of the cerebellum. <i>Handbook of Clinical Neurology / Edited By P J Vinken and G W Bruyn</i> , <b>2018</b> , 154, 85-108	3	54
167	Long-term inactivation particle for voltage-gated sodium channels. <i>Journal of Physiology</i> , <b>2010</b> , 588, 3695-711	3.7	54
166	Combinatorial responses controlled by synaptic inhibition in the cerebellum granular layer. <i>Journal of Neurophysiology</i> , <b>2010</b> , 103, 250-61	3.2	53
165	Distributed cerebellar plasticity implements adaptable gain control in a manipulation task: a closed-loop robotic simulation. <i>Frontiers in Neural Circuits</i> , <b>2013</b> , 7, 159	3.5	52
164	Age-dependent expression of high-voltage activated calcium currents during cerebellar granule cell development in situ. <i>Pflugers Archiv European Journal of Physiology</i> , <b>1994</b> , 429, 107-16	4.6	52
163	Local field potential modeling predicts dense activation in cerebellar granule cells clusters under LTP and LTD control. <i>PLoS ONE</i> , <b>2011</b> , 6, e21928	3.7	51
162	Distributed Circuit Plasticity: New Clues for the Cerebellar Mechanisms of Learning. <i>Cerebellum</i> , <b>2016</b> , 15, 139-51	4.3	50
161	Behavioral and cerebellar transmission deficits in mice lacking the autism-linked gene islet brain-2. <i>Journal of Neuroscience</i> , <b>2010</b> , 30, 14805-16	6.6	49
160	Acetylcholine induces intracellular Ca oscillations and nitric oxide release in mouse brain endothelial cells. <i>Cell Calcium</i> , <b>2017</b> , 66, 33-47	4	48
159	Adaptive robotic control driven by a versatile spiking cerebellar network. <i>PLoS ONE</i> , <b>2014</b> , 9, e112265	3.7	48

158	A comprehensive assessment of resting state networks: bidirectional modification of functional integrity in cerebro-cerebellar networks in dementia. <i>Frontiers in Neuroscience</i> , <b>2014</b> , 8, 223	5.1	47
157	Granule cell ascending axon excitatory synapses onto Golgi cells implement a potent feedback circuit in the cerebellar granular layer. <i>Journal of Neuroscience</i> , <b>2013</b> , 33, 12430-46	6.6	45
156	Granular Layer Neurons Control Cerebellar Neurovascular Coupling Through an NMDA Receptor/NO-Dependent System. <i>Journal of Neuroscience</i> , <b>2017</b> , 37, 1340-1351	6.6	43
155	High-Pass Filtering and Dynamic Gain Regulation Enhance Vertical Bursts Transmission along the Mossy Fiber Pathway of Cerebellum. <i>Frontiers in Cellular Neuroscience</i> , <b>2010</b> , 4, 14	6.1	42
154	Long-term potentiation of synaptic transmission at the mossy fiber-granule cell relay of cerebellum. <i>Progress in Brain Research</i> , <b>2005</b> , 148, 69-80	2.9	42
153	Cerebellar theta burst stimulation modulates short latency afferent inhibition in Alzheimer's disease patients. <i>Frontiers in Aging Neuroscience</i> , <b>2013</b> , 5, 2	5.3	41
152	Discovery and rediscoveries of Golgi cells. <i>Journal of Physiology</i> , <b>2010</b> , 588, 3639-55	3.9	41
151	Neural circuits of the cerebellum: hypothesis for function. <i>Journal of Integrative Neuroscience</i> , <b>2011</b> , 10, 317-52	1.5	41
150	Gating of long-term potentiation by nicotinic acetylcholine receptors at the cerebellum input stage. <i>PLoS ONE</i> , <b>2013</b> , 8, e64828	3.7	40
149	Modeling the Cerebellar Microcircuit: New Strategies for a Long-Standing Issue. <i>Frontiers in Cellular Neuroscience</i> , <b>2016</b> , 10, 176	6.1	40
148	Distributed cerebellar plasticity implements generalized multiple-scale memory components in real-robot sensorimotor tasks. <i>Frontiers in Computational Neuroscience</i> , <b>2015</b> , 9, 24	3.5	38
147	Inhibition of constitutive inward rectifier currents in cerebellar granule cells by pharmacological and synaptic activation of GABA receptors. <i>European Journal of Neuroscience</i> , <b>2006</b> , 24, 419-32	3.5	38
146	Cerebellar vermis plays a causal role in visual motion discrimination. <i>Cortex</i> , <b>2014</b> , 58, 272-80	3.8	37
145	Frequency resonance at the cerebellum input stage improves spike timing on the millisecond time-scale. <i>Frontiers in Neural Circuits</i> , <b>2013</b> , 7, 64	3.5	37
144	Computational Modeling of Single Neuron Extracellular Electric Potentials and Network Local Field Potentials using LFPsim. <i>Frontiers in Computational Neuroscience</i> , <b>2016</b> , 10, 65	3.5	36
143	Cerebellar theta burst stimulation dissociates memory components in eyeblink classical conditioning. <i>European Journal of Neuroscience</i> , <b>2014</b> , 40, 3363-70	3.5	35
142	Spike timing regulation on the millisecond scale by distributed synaptic plasticity at the cerebellum input stage: a simulation study. <i>Frontiers in Computational Neuroscience</i> , <b>2013</b> , 7, 64	3.5	35
141	NR2A subunit of the N-methyl D-aspartate receptors are required for potentiation at the mossy fiber to granule cell synapse and vestibulo-cerebellar motor learning. <i>Neuroscience</i> , <b>2011</b> , 176, 274-83	3.9	35

140	How synaptic release probability shapes neuronal transmission: information-theoretic analysis in a cerebellar granule cell. <i>Neural Computation</i> , <b>2010</b> , 22, 2031-58	2.9	35
139	Voltage-dependent kinetics of N-methyl-D-aspartate synaptic currents in rat cerebellar granule cells. <i>European Journal of Neuroscience</i> , <b>1994</b> , 6, 640-5	3.5	35
138	Hebbian Spike-Timing Dependent Plasticity at the Cerebellar Input Stage. <i>Journal of Neuroscience</i> , <b>2017</b> , 37, 2809-2823	6.6	34
137	Integrated plasticity at inhibitory and excitatory synapses in the cerebellar circuit. <i>Frontiers in Cellular Neuroscience</i> , <b>2015</b> , 9, 169	6.1	34
136	A Multiple-Plasticity Spiking Neural Network Embedded in a Closed-Loop Control System to Model Cerebellar Pathologies. <i>International Journal of Neural Systems</i> , <b>2018</b> , 28, 1750017	6.2	33
135	Action potential processing in a detailed Purkinje cell model reveals a critical role for axonal compartmentalization. <i>Frontiers in Cellular Neuroscience</i> , <b>2015</b> , 9, 47	6.1	33
134	The synapsin domain E accelerates the exocytotic cycle of synaptic vesicles in cerebellar Purkinje cells. <i>Journal of Cell Science</i> , <b>2006</b> , 119, 4257-68	5.3	33
133	Specific Patterns of White Matter Alterations Help Distinguishing Alzheimer's and Vascular Dementia. <i>Frontiers in Neuroscience</i> , <b>2018</b> , 12, 274	5.1	32
132	The spatiotemporal organization of cerebellar network activity resolved by two-photon imaging of multiple single neurons. <i>Frontiers in Cellular Neuroscience</i> , <b>2014</b> , 8, 92	6.1	32
131	Potential of cerebellar Purkinje cells facilitates whisker reflex adaptation through increased simple spike activity. <i>ELife</i> , <b>2018</b> , 7,	8.9	32
130	Spiking Neural Network With Distributed Plasticity Reproduces Cerebellar Learning in Eye Blink Conditioning Paradigms. <i>IEEE Transactions on Biomedical Engineering</i> , <b>2016</b> , 63, 210-9	5	31
129	The role of the cerebellum in multiple sclerosis-150 years after Charcot. <i>Neuroscience and Biobehavioral Reviews</i> , <b>2018</b> , 89, 85-98	9	31
128	Regulation of output spike patterns by phasic inhibition in cerebellar granule cells. <i>Frontiers in Cellular Neuroscience</i> , <b>2014</b> , 8, 246	6.1	31
127	Fast convergence of learning requires plasticity between inferior olive and deep cerebellar nuclei in a manipulation task: a closed-loop robotic simulation. <i>Frontiers in Computational Neuroscience</i> , <b>2014</b> , 8, 97	3.5	31
126	Glutamate triggers intracellular Ca oscillations and nitric oxide release by inducing NAADP- and InsP <sub>3</sub> -dependent Ca release in mouse brain endothelial cells. <i>Journal of Cellular Physiology</i> , <b>2019</b> , 234, 3538-3554	7	31
125	Activation of the CREB/ Pathway during Long-Term Synaptic Plasticity in the Cerebellum Granular Layer. <i>Frontiers in Cellular Neuroscience</i> , <b>2017</b> , 11, 184	6.1	30
124	Synaptic Activation of a Detailed Purkinje Cell Model Predicts Voltage-Dependent Control of Burst-Pause Responses in Active Dendrites. <i>Frontiers in Cellular Neuroscience</i> , <b>2017</b> , 11, 278	6.1	30
123	Loss of hnRNP K impairs synaptic plasticity in hippocampal neurons. <i>Journal of Neuroscience</i> , <b>2014</b> , 34, 9088-95	6.6	30

122	Realistic modeling of neurons and networks: towards brain simulation. <i>Functional Neurology</i> , <b>2013</b> , 28, 153-66	2.2	30
121	Oscillation-Driven Spike-Timing Dependent Plasticity Allows Multiple Overlapping Pattern Recognition in Inhibitory Interneuron Networks. <i>International Journal of Neural Systems</i> , <b>2016</b> , 26, 1650020	6.2	28
120	The Human Brain Project-Synergy between neuroscience, computing, informatics, and brain-inspired technologies. <i>PLoS Biology</i> , <b>2019</b> , 17, e3000344	9.7	28
119	Differential long-lasting potentiation of the NMDA and non-NMDA synaptic currents induced by metabotropic and NMDA receptor coactivation in cerebellar granule cells. <i>European Journal of Neuroscience</i> , <b>1996</b> , 8, 1182-9	3.5	28
118	The relationship between synaptogenesis and expression of voltage-dependent currents in cerebellar granule cells in situ. <i>Journal of Physiology (Paris)</i> , <b>1994</b> , 88, 197-207		27
117	Role of calcium binding proteins in the control of cerebellar granule cell neuronal excitability: experimental and modeling studies. <i>Progress in Brain Research</i> , <b>2005</b> , 148, 321-8	2.9	26
116	Distributed Cerebellar Motor Learning: A Spike-Timing-Dependent Plasticity Model. <i>Frontiers in Computational Neuroscience</i> , <b>2016</b> , 10, 17	3.5	26
115	Integration and regulation of glomerular inhibition in the cerebellar granular layer circuit. <i>Frontiers in Cellular Neuroscience</i> , <b>2014</b> , 8, 55	6.1	25
114	Reconstruction and Simulation of a Scaffold Model of the Cerebellar Network. <i>Frontiers in Neuroinformatics</i> , <b>2019</b> , 13, 37	3.9	24
113	A Machine Learning Approach for the Differential Diagnosis of Alzheimer and Vascular Dementia Fed by MRI Selected Features. <i>Frontiers in Neuroinformatics</i> , <b>2020</b> , 14, 25	3.9	24
112	Differential involvement of cortical and cerebellar areas using dominant and nondominant hands: An fMRI study. <i>Human Brain Mapping</i> , <b>2015</b> , 36, 5079-100	5.9	24
111	Exploring Patterns of Alteration in Alzheimer's Disease Brain Networks: A Combined Structural and Functional Connectomics Analysis. <i>Frontiers in Neuroscience</i> , <b>2016</b> , 10, 380	5.1	24
110	Tactile Stimulation Evokes Long-Lasting Potentiation of Purkinje Cell Discharge In Vivo. <i>Frontiers in Cellular Neuroscience</i> , <b>2016</b> , 10, 36	6.1	23
109	Dynamic Redistribution of Plasticity in a Cerebellar Spiking Neural Network Reproducing an Associative Learning Task Perturbed by TMS. <i>International Journal of Neural Systems</i> , <b>2018</b> , 28, 1850020	6.2	21
108	Functional Connectivity Alterations Reveal Complex Mechanisms Based on Clinical and Radiological Status in Mild Relapsing Remitting Multiple Sclerosis. <i>Frontiers in Neurology</i> , <b>2018</b> , 9, 690	4.1	21
107	FHF-independent conduction of action potentials along the leak-resistant cerebellar granule cell axon. <i>Nature Communications</i> , <b>2016</b> , 7, 12895	17.4	20
106	Single Neuron Optimization as a Basis for Accurate Biophysical Modeling: The Case of Cerebellar Granule Cells. <i>Frontiers in Cellular Neuroscience</i> , <b>2017</b> , 11, 71	6.1	19
105	Anatomical investigation of potential contacts between climbing fibers and cerebellar Golgi cells in the mouse. <i>Frontiers in Neural Circuits</i> , <b>2013</b> , 7, 59	3.5	19

104	High-throughput spatial light modulation two-photon microscopy for fast functional imaging. <i>NeuroPhotonics</i> , <b>2015</b> , 2, 015005	3.9	18
103	Tractography dissection variability: What happens when 42 groups dissect 14 white matter bundles on the same dataset?. <i>NeuroImage</i> , <b>2021</b> , 243, 118502	7.9	18
102	Complex motor task associated with non-linear BOLD responses in cerebro-cortical areas and cerebellum. <i>Brain Structure and Function</i> , <b>2016</b> , 221, 2443-58	4	16
101	Model-Driven Analysis of Eyeblink Classical Conditioning Reveals the Underlying Structure of Cerebellar Plasticity and Neuronal Activity. <i>IEEE Transactions on Neural Networks and Learning Systems</i> , <b>2017</b> , 28, 2748-2762	10.3	16
100	Cognitive memory control in borderline personality disorder patients. <i>Psychological Medicine</i> , <b>2009</b> , 39, 845-53	6.9	16
99	Protein Kinase C Facilitation of Acetylcholine Release at the Rat Neuromuscular Junction. <i>European Journal of Neuroscience</i> , <b>1992</b> , 4, 823-831	3.5	16
98	Optical recording of electrical activity in intact neuronal networks with random access second-harmonic generation microscopy. <i>Optics Express</i> , <b>2008</b> , 16, 14910-21	3.3	16
97	Long-Term Spatiotemporal Reconfiguration of Neuronal Activity Revealed by Voltage-Sensitive Dye Imaging in the Cerebellar Granular Layer. <i>Neural Plasticity</i> , <b>2015</b> , 2015, 284986	3.3	15
96	Modeling spike-train processing in the cerebellum granular layer and changes in plasticity reveal single neuron effects in neural ensembles. <i>Computational Intelligence and Neuroscience</i> , <b>2012</b> , 2012, 359329	3.29	15
95	Complex Dynamics in Simplified Neuronal Models: Reproducing Golgi Cell Electroresponsiveness. <i>Frontiers in Neuroinformatics</i> , <b>2018</b> , 12, 88	3.9	15
94	Prominent Changes in Cerebro-Cerebellar Functional Connectivity During Continuous Cognitive Processing. <i>Frontiers in Cellular Neuroscience</i> , <b>2018</b> , 12, 331	6.1	15
93	Late-onset bursts evoked by mossy fibre bundle stimulation in unipolar brush cells: evidence for the involvement of H- and TRP-currents. <i>Journal of Physiology</i> , <b>2013</b> , 591, 899-918	3.9	14
92	Burst stimulation of the cerebellum interferes with internal representations of sensory-motor information related to eye movements in humans. <i>Cerebellum</i> , <b>2011</b> , 10, 711-9	4.3	14
91	Integrated regulation of signal coding and plasticity by NMDA receptors at a central synapse. <i>Neural Plasticity</i> , <b>1998</b> , 6, 8-16	3.3	14
90	Disrupted Calcium Signaling in Animal Models of Human Spinocerebellar Ataxia (SCA). <i>International Journal of Molecular Sciences</i> , <b>2019</b> , 21,	6.3	14
89	Repetitive TMS on Left Cerebellum Affects Impulsivity in Borderline Personality Disorder: A Pilot Study. <i>Frontiers in Human Neuroscience</i> , <b>2016</b> , 10, 582	3.3	13
88	Parameter tuning differentiates granule cell subtypes enriching transmission properties at the cerebellum input stage. <i>Communications Biology</i> , <b>2020</b> , 3, 222	6.7	12
87	Rebuilding cerebellar network computations from cellular neurophysiology. <i>Frontiers in Cellular Neuroscience</i> , <b>2010</b> , 4, 131	6.1	12



86	Phosphene induction by cerebellar transcranial magnetic stimulation. <i>Clinical Neurophysiology</i> , <b>2014</b> , 125, 2132-3	4.3	11
85	The cerebellum gets social. <i>Science</i> , <b>2019</b> , 363, 229	33.3	11
84	I See Your Effort: Force-Related BOLD Effects in an Extended Action Execution-Observation Network Involving the Cerebellum. <i>Cerebral Cortex</i> , <b>2019</b> , 29, 1351-1368	5.1	11
83	Control of a Humanoid NAO Robot by an Adaptive Bioinspired Cerebellar Module in 3D Motion Tasks. <i>Computational Intelligence and Neuroscience</i> , <b>2019</b> , 2019, 4862157	3	10
82	Computational modeling predicts the ionic mechanism of late-onset responses in unipolar brush cells. <i>Frontiers in Cellular Neuroscience</i> , <b>2014</b> , 8, 237	6.1	10
81	Model cerebellar granule cells can faithfully transmit modulated firing rate signals. <i>Frontiers in Cellular Neuroscience</i> , <b>2014</b> , 8, 304	6.1	10
80	An integrate-and-fire model of a cerebellar granule cell. <i>Neurocomputing</i> , <b>2004</b> , 58-60, 593-598	5.4	10
79	Reconstructing contralateral fiber tracts: methodological aspects of cerebello-thalamocortical pathway reconstruction. <i>Functional Neurology</i> , <b>2016</b> , 31, 229-238	2.2	10
78	Deletion of calcineurin from GFAP-expressing astrocytes impairs excitability of cerebellar and hippocampal neurons through astroglial Na <sup>+</sup> /K <sup>+</sup> ATPase. <i>Glia</i> , <b>2020</b> , 68, 543-560	9	10
77	Diverse Neuron Properties and Complex Network Dynamics in the Cerebellar Cortical Inhibitory Circuit. <i>Frontiers in Molecular Neuroscience</i> , <b>2019</b> , 12, 267	6.1	10
76	Cerebellar Theta-Burst Stimulation Impairs Memory Consolidation in Eyeblink Classical Conditioning. <i>Neural Plasticity</i> , <b>2018</b> , 2018, 6856475	3.3	10
75	The Human Brain Project: Parallel technologies for biologically accurate simulation of Granule cells. <i>Microprocessors and Microsystems</i> , <b>2016</b> , 47, 303-313	2.4	9
74	Cerebellar lobules and dentate nuclei mirror cortical force-related-BOLD responses: Beyond all (linear) expectations. <i>Human Brain Mapping</i> , <b>2017</b> , 38, 2566-2579	5.9	9
73	A modeling based study on the origin and nature of evoked post-synaptic local field potentials in granular layer. <i>Journal of Physiology (Paris)</i> , <b>2011</b> , 105, 71-82		9
72	Cellular-resolution mapping uncovers spatial adaptive filtering at the rat cerebellum input stage. <i>Communications Biology</i> , <b>2020</b> , 3, 635	6.7	9
71	Hyperexcitability and Hyperplasticity Disrupt Cerebellar Signal Transfer in the KO Mouse Model of Autism. <i>Journal of Neuroscience</i> , <b>2019</b> , 39, 2383-2397	6.6	8
70	Default Mode Network Structural Integrity and Cerebellar Connectivity Predict Information Processing Speed Deficit in Multiple Sclerosis. <i>Frontiers in Cellular Neuroscience</i> , <b>2019</b> , 13, 21	6.1	8
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