Chris I De Zeeuw

List of Publications by Year
in descending order

270 papers	20,621 citations	8755 77 h-index	16791 127 g-index
291 all docs	291 docs citations	291 times ranked	19528 citing authors

#	Article	IF	Citations
1	Wireless closed-loop optogenetics across the entire dorsoventral spinal cord in mice. Nature Biotechnology, 2022, 40, 198-208.	9.4	48
2	Input and output organization of the mesodiencephalic junction for cerebroâ€cerebellar communication. Journal of Neuroscience Research, 2022, 100, 620-637.	1.3	20
3	Reply to Piochon et al.: NMDARs in Purkinje cells are not involved in parallel fiberâ€“Purkinje cell synaptic plasticity or motor learning. Proceedings of the National Academy of Sciences of the United States of America, 2022, 119, .	3.3	1
4	Controlling absence seizures from the cerebellar nuclei via activation of the Gq signaling pathway. Cellular and Molecular Life Sciences, 2022, 79, 197.	2.4	8
5	Time and tide of cerebellar synchrony. Proceedings of the National Academy of Sciences of the United States of America, 2022, 119, e2204155119.	3.3	1
6	Purkinje Cell Activity in the Medial and Lateral Cerebellum During Suppression of Voluntary Eye Movements in Rhesus Macaques. Frontiers in Cellular Neuroscience, 2022, 16, 863181.	1.8	1
7	The Dorsal Root Ganglion as a Novel Neuromodulatory Target to Evoke Strong and Reproducible Motor Responses in Chronic Motor Complete Spinal Cord Injury: A Case Series of Five Patients. Neuromodulation, 2021, 24, 779-793.	0.4	8
8	Bidirectional learning in upbound and downbound microzones of the cerebellum. Nature Reviews Neuroscience, 2021, 22, 92-110.	4.9	81
9	Diversity and dynamism in the cerebellum. Nature Neuroscience, 2021, 24, 160-167.	7.1	114
10	Sleep quality does not mediate the negative effects of chronodisruption on body composition and metabolic syndrome in healthcare workers in Ecuador. Diabetes and Metabolic Syndrome: Clinical Research and Reviews, 2021, 15, 397-402.	1.8	4
11	Acidosis, cognitive dysfunction and motor impairments in patients with kidney disease. Nephrology Dialysis Transplantation, 2021, 37, ii4-ii12.	0.4	16
12	Securing Implantable Medical Devices Using Ultrasound Waves. IEEE Access, 2021, 9, 80170-80182.	2.6	6
13	Pavlovian eyeblink conditioning is severely impaired in tottering mice. Journal of Neurophysiology, 2021, 125, 398-407.	0.9	5
14	Temporal dynamics of the cerebelloâ€cortical convergence in ventroâ€lateral motor thalamus. Journal of Physiology, 2021, 599, 2055-2073.	1.3	10
15	Regionâ€specific preservation of Purkinje cell morphology and motor behavior in the ATXN1[82Q] mouse model of spinocerebellar ataxia 1. Brain Pathology, 2021, 31, e12946.	2.1	10
16	How to Identify Responders and Nonresponders to Dorsal Root Ganglionâ€Stimulation Aimed at Eliciting Motor Responses in Chronic Spinal Cord Injury: Postâ€‰Hoc Clinical and Neurophysiological Tests in a Case Series of Five Patients. Neuromodulation, 2021, 24, 719-728.	0.4	1
17	Protein Phosphatase 2B Dual Function Facilitates Synaptic Integrity and Motor Learning. Journal of Neuroscience, 2021, 41, 5579-5594.	1.7	2
18	OptiFlex: Multi-Frame Animal Pose Estimation Combining Deep Learning With Optical Flow. Frontiers in Cellular Neuroscience, 2021, 15, 621252.	1.8	22

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19	Single-pulse stimulation of cerebellar nuclei stops epileptic thalamic activity. Brain Stimulation, 2021, 14, 861-872.	0.7	19
20	NMDARs in granule cells contribute to parallel fiberâ€“Purkinje cell synaptic plasticity and motor learning. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, .	3.3	17
21	Cerebellar Purkinje cells can differentially modulate coherence between sensory and motor cortex depending on region and behavior. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, .	3.3	31
22	Activity of Cerebellar Nuclei Neurons Correlates with ZebrinII Identity of Their Purkinje Cell Afferents. Cells, 2021, 10, 2686.	1.8	11
23	ITVT-10. Using functional Ultrasound (fUS) for real-time, depth-resolved functional and vascular delineation of brain tumors with micrometer-millisecond precision. Neuro-Oncology, 2021, 23, vi230-vi230.	0.6	0
24	Purkinje cells translate subjective salience into readiness to act and choice performance. Cell Reports, 2021, 37, 110116.	2.9	17
25	Differential Coding Strategies in Glutamatergic and GABAergic Neurons in the Medial Cerebellar Nucleus. Journal of Neuroscience, 2020, 40, 159-170.	1.7	26
26	SK2 channels in cerebellar Purkinje cells contribute to excitability modulation in motor-learningâ€“specific memory traces. PLoS Biology, 2020, 18, e3000596.	2.6	54
27	Whole brain 7Tâ€fMRI during pelvic floor muscle contraction in male subjects. Neurourology and Urodynamics, 2020, 39, 382-392.	0.8	9
28	Unilateral L2-Level DRG-stimulation evokes bilateral CPG-Like motor response in a patient with chronic pain. Brain Stimulation, 2020, 13, 1719-1721.	0.7	3
29	How the COVID-19 pandemic highlights the necessity of animal research. Current Biology, 2020, 30, R1014-R1018.	1.8	26
30	The human cerebellum has almost 80% of the surface area of the neocortex. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 19538-19543.	3.3	117
31	Blood Pressure in Andean Adults Living Permanently at Different Altitudes. High Altitude Medicine and Biology, 2020, 21, 360-369.	0.5	2
32	A FN-MdV pathway and its role in cerebellar multimodular control of sensorimotor behavior. Nature Communications, 2020, 11, 6050.	5.8	21
33	WhiskEras: A New Algorithm for Accurate Whisker Tracking. Frontiers in Cellular Neuroscience, 2020, 14, 588445.	1.8	8
34	Region-specific Foxp2 deletions in cortex, striatum or cerebellum cannot explain vocalization deficits observed in spontaneous global knockouts. Scientific Reports, 2020, 10, 21631.	1.6	11
35	Genetic risk for Alzheimer disease in children: Evidence from earlyâ€life IQ and brain whiteâ€matter microstructure. Genes, Brain and Behavior, 2020, 19, e12656.	1.1	5
36	Cerebellum: What is in a Name? Historical Origins and First Use of This Anatomical Term. Cerebellum, 2020, 19, 550-561.	1.4	1

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37	Functional Convergence of Autonomic and Sensorimotor Processing in the Lateral Cerebellum. Cell Reports, 2020, 32, 107867.	2.9	29
38	Translation information processing is regulated by protein kinase C-dependent mechanism in Purkinje cells in murine posterior vermis. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 17348-17358.	3.3	7
39	Bilateral L2 dorsal root ganglion-stimulation suppresses lower limb spasticity following chronic motor complete Spinal Cord Injury: A case report. Brain Stimulation, 2020, 13, 637-639.	0.7	7
40	Synthetic Polymers Provide a Robust Substrate for Functional Neuron Culture. Advanced Healthcare Materials, 2020, 9, e1901347.	3.9	3
41	Sleep deprivation directly following eyeblink-conditioning impairs memory consolidation. Neurobiology of Learning and Memory, 2020, 170, 107165.	1.0	10
42	Pain-related changes in cutaneous innervation of patients suffering from bortezomib-induced, diabetic or chronic idiopathic axonal polyneuropathy. Brain Research, 2020, 1730, 146621.	1.1	7
43	Cerebellar plasticity and associative memories are controlled by perineuronal nets. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 6855-6865.	3.3	65
44	AMPAR Auxiliary Protein SHISA6 Facilitates Purkinje Cell Synaptic Excitability and Procedural Memory Formation. Cell Reports, 2020, 31, 107515.	2.9	17
45	NINscope, a versatile miniscope for multi-region circuit investigations. ELife, 2020, 9, .	2.8	107
46	Decoding the infrastructure of the cerebellum. ELife, 2020, 9, .	2.8	1
47	NIMG-19. USING FUNCTIONAL ULTRASOUND (FUS) TO MAP BRAIN FUNCTIONALITY AND TUMOR VASCULATURE WITH MICROMETER-MILLISECOND PRECISION. Neuro-Oncology, 2020, 22, ii151-ii151.	0.6	0
48	Differential effects of Foxp2 disruption in distinct motor circuits. Molecular Psychiatry, 2019, 24, 447-462.	4.1	28
49	Response to â€œFallacies of Mice Experimentsâ€. Neuroinformatics, 2019, 17, 475-478.	1.5	5
50	Generation of an Atxn2-CAG100 knock-in mouse reveals N-acetylaspartate production deficit due to early Nat8l dysregulation. Neurobiology of Disease, 2019, 132, 104559.	2.1	24
51	Quasiperiodic rhythms of the inferior olive. PLoS Computational Biology, 2019, 15, e1006475.	1.5	25
52	Nystagmus in patients with congenital stationary night blindness (CSNB) originates from synchronously firing retinal ganglion cells. PLoS Biology, 2019, 17, e3000174.	2.6	37
53	Neurons of the inferior olive respond to broad classes of sensory input while subject to homeostatic control. Journal of Physiology, 2019, 597, 2483-2514.	1.3	37
54	Viral Factors Important for Efficient Replication of Influenza A Viruses in Cells of the Central Nervous System. Journal of Virology, 2019, 93, .	1.5	19

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55	Variability and directionality of inferior olive neuron dendrites revealed by detailed 3D characterization of an extensive morphological library. Brain Structure and Function, 2019, 224, 1677-1695.	1.2	22
56	Conditional disruption of Foxp2 in the mouse brain. Molecular Psychiatry, 2019, 24, 321-321.	4.1	0
57	Action perception recruits the cerebellum and is impaired in patients with spinocerebellar ataxia. Brain, 2019, 142, 3791-3805.	3.7	38
58	Glissades Are Altered by Lesions to the Oculomotor Vermis but Not by Saccadic Adaptation. Frontiers in Behavioral Neuroscience, 2019, 13, 194.	1.0	4
59	Functional Ultrasound (fUS) During Awake Brain Surgery: The Clinical Potential of Intra-Operative Functional and Vascular Brain Mapping. Frontiers in Neuroscience, 2019, 13, 1384.	1.4	61
60	TRPC3 is a major contributor to functional heterogeneity of cerebellar Purkinje cells. ELife, 2019, 8, .	2.8	45
61	Protein kinase C activity is a protective modifier of Purkinje neuron degeneration in cerebellar ataxia. Human Molecular Genetics, 2018, 27, 1396-1410.	1.4	30
62	A cerebellar mechanism for learning prior distributions of time intervals. Nature Communications, 2018, 9, 469.	5.8	54
63	Cerebellar transcranial direct current stimulation interacts with BDNF Val66Met in motor learning. Brain Stimulation, 2018, 11, 759-771.	0.7	14
64	Caffeine has no effect on eyeblink conditioning in mice. Behavioural Brain Research, 2018, 337, 252-255.	1.2	8
65	PRRT2-dependent dyskinesia: cerebellar, paroxysmal and persistent. Cell Research, 2018, 28, 3-4.	5.7	2
66	Impact of NMDA Receptor Overexpression on Cerebellar Purkinje Cell Activity and Motor Learning. ENeuro, 2018, 5, ENEURO.0270-17.2018.	0.9	14
67	Music Affects Rodents: A Systematic Review of Experimental Research. Frontiers in Behavioral Neuroscience, 2018, 12, 301.	1.0	25
68	Inactive Atm abrogates DSB repair in mouse cerebellum more than does Atm loss, without causing a neurological phenotype. DNA Repair, 2018, 72, 10-17.	1.3	15
69	Impact of parallel fiber to Purkinje cell long-term depression is unmasked in absence of inhibitory input. Science Advances, 2018, 4, eaas9426.	4.7	49
70	A cortico-cerebellar loop for motor planning. Nature, 2018, 563, 113-116.	13.7	321
71	Early Trajectory Prediction in Elite Athletes. Cerebellum, 2018, 17, 766-776.	1.4	10
72	Intrinsic excitement in cerebellar nuclei neurons during learning. Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, 9824-9826.	3.3	6

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73	Differentiating Cerebellar Impact on Thalamic Nuclei. Cell Reports, 2018, 23, 2690-2704.	2.9	71
74	The basal interstitial nucleus (BIN) of the cerebellum provides diffuse ascending inhibitory input to the floccular granule cell layer. Journal of Comparative Neurology, 2018, 526, 2231-2256.	0.9	14
75	Cerebellar Learning Properties Are Modulated by the CRF Receptor. Journal of Neuroscience, 2018, 38, 6751-6765.	1.7	10
76	Chloride Homeostasis in Neurons With Special Emphasis on the Olivocerebellar System: Differential Roles for Transporters and Channels. Frontiers in Cellular Neuroscience, 2018, 12, 101.	1.8	36
77	Clinical, electrophysiological, and cutaneous innervation changes in patients with bortezomib-induced peripheral neuropathy reveal insight into mechanisms of neuropathic pain. Molecular Pain, 2018, 14, 174480691879704.	1.0	26
78	Potentiation of cerebellar Purkinje cells facilitates whisker reflex adaptation through increased simple spike activity. ELife, 2018, 7, .	2.8	57
79	The Roles of the Olivocerebellar Pathway in Motor Learning and Motor Control. A Consensus Paper. Cerebellum, 2017, 16, 230-252.	1.4	89
80	Cerebellar function and ischemic brain lesions in migraine patients from the general population. Cephalalgia, 2017, 37, 177-190.	1.8	22
81	Motor Learning Requires Purkinje Cell Synaptic Potentiation through Activation of AMPA-Receptor Subunit GluA3. Neuron, 2017, 93, 409-424.	3.8	93
82	The Sleeping Cerebellum. Trends in Neurosciences, 2017, 40, 309-323.	4.2	127
83	Modulation of 7ÂT fMRI Signal in the Cerebellar Cortex and Nuclei During Acquisition, Extinction, and Reacquisition of Conditioned Eyeblink Responses. Human Brain Mapping, 2017, 38, 3957-3974.	1.9	22
84	Cerebellar Granule Cells: Dense, Rich and Evolving Representations. Current Biology, 2017, 27, R415-R418.	1.8	28
85	Mechanisms underlying vestibuloâ€cerebellar motor learning in mice depend on movement direction. Journal of Physiology, 2017, 595, 5301-5326.	1.3	51
86	Activity-based protein profiling reveals off-target proteins of the FAAH inhibitor BIA 10-2474. Science, 2017, 356, 1084-1087.	6.0	251
87	Optimizing Extended Hodgkin-Huxley Neuron Model Simulations for a Xeon/Xeon Phi Node. IEEE Transactions on Parallel and Distributed Systems, 2017, 28, 2581-2594.	4.0	6
88	Cerebellar granule cells acquire a widespread predictive feedback signal during motor learning. Nature Neuroscience, 2017, 20, 727-734.	7.1	182
89	Ablation of TFR1 in Purkinje Cells Inhibits mGlu1 Trafficking and Impairs Motor Coordination, But Not Autistic-Like Behaviors. Journal of Neuroscience, 2017, 37, 11335-11352.	1.7	32
90	An expandable embryonic stem cell-derived Purkinje neuron progenitor population that exhibits in vivo maturation in the adult mouse cerebellum. Scientific Reports, 2017, 7, 8863.	1.6	15

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91	Cerebellar perineuronal nets in cocaine-induced pavlovian memory: Site matters. Neuropharmacology, 2017, 125, 166-180.	2.0	35
92	The reduction of intraepidermal P2X₃ nerve fiber density correlates with behavioral hyperalgesia in a rat model of nerve injuryâ€induced pain. Journal of Comparative Neurology, 2017, 525, 3757-3768.	0.9	11
93	Synchronicity and Rhythmicity of Purkinje Cell Firing during Generalized Spike-and-Wave Discharges in a Natural Mouse Model of Absence Epilepsy. Frontiers in Cellular Neuroscience, 2017, 11, 346.	1.8	23
94	Modulation of Murine Olivary Connexin 36 Gap Junctions by PKA and CaMKII. Frontiers in Cellular Neuroscience, 2017, 11, 397.	1.8	18
95	Dynamic modulation of activity in cerebellar nuclei neurons during pavlovian eyeblink conditioning in mice. ELife, 2017, 6, .	2.8	90
96	Performance in eyeblink conditioning is age and sex dependent. PLoS ONE, 2017, 12, e0177849.	1.1	26
97	Tactile Stimulation Evokes Long-Lasting Potentiation of Purkinje Cell Discharge In Vivo. Frontiers in Cellular Neuroscience, 2016, 10, 36.	1.8	32
98	Excitatory Cerebellar Nucleocortical Circuit Provides Internal Amplification during Associative Conditioning. Neuron, 2016, 89, 645-657.	3.8	141
99	Modeled changes of cerebellar activity in mutant mice are predictive of their learning impairments. Scientific Reports, 2016, 6, 36131.	1.6	20
100	Dysfunctional cerebellar Purkinje cells contribute to autism-like behaviour in Shank2-deficient mice. Nature Communications, 2016, 7, 12627.	5.8	180
101	Performance analysis of accelerated biophysically-meaningful neuron simulations. , 2016, , .		7
102	Impaired Spatio-Temporal Predictive Motor Timing Associated with Spinocerebellar Ataxia Type 6. PLoS ONE, 2016, 11, e0162042.	1.1	16
103	Whole-Cell Properties of Cerebellar Nuclei Neurons In Vivo. PLoS ONE, 2016, 11, e0165887.	1.1	32
104	SLC26A11 (KBAT) in Purkinje Cells Is Critical for Inhibitory Transmission and Contributes to Locomotor Coordination. ENeuro, 2016, 3, ENEURO.0028-16.2016.	0.9	18
105	Reappraisal of Bergmann glial cells as modulators of cerebellar circuit function. Frontiers in Cellular Neuroscience, 2015, 9, 246.	1.8	48
106	Cerebellar control of gait and interlimb coordination. Brain Structure and Function, 2015, 220, 3513-3536.	1.2	109
107	Cerebellar Cortex and Cerebellar Nuclei Are Concomitantly Activated during Eyeblink Conditioning: A 7T fMRI Study in Humans. Journal of Neuroscience, 2015, 35, 1228-1239.	1.7	48
108	Evolving Models of Pavlovian Conditioning: Cerebellar Cortical Dynamics in Awake Behaving Mice. Cell Reports, 2015, 13, 1977-1988.	2.9	203

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109	Controlling Cerebellar Output to Treat Refractory Epilepsy. Trends in Neurosciences, 2015, 38, 787-799.	4.2	77
110	Role of Synchronous Activation of Cerebellar Purkinje Cell Ensembles in Multi-joint Movement Control. Current Biology, 2015, 25, 1157-1165.	1.8	103
111	Cerebellar output controls generalized spikeâ€andâ€wave discharge occurrence. Annals of Neurology, 2015, 77, 1027-1049.	2.8	123
112	Reversibility of neuropathology and motor deficits in an inducible mouse model for FXTAS. Human Molecular Genetics, 2015, 24, 4948-4957.	1.4	50
113	Hippocampalâ€"Cerebellar Interaction During Spatio-Temporal Prediction. Cerebral Cortex, 2015, 25, 313-321.	1.6	73
114	In Vivo Differences in Inputs and Spiking Between Neurons in Lobules VI/VII of Neocerebellum and Lobule X of Archaeocerebellum. Cerebellum, 2015, 14, 506-515.	1.4	25
115	Regional functionality of the cerebellum. Current Opinion in Neurobiology, 2015, 33, 150-155.	2.0	74
116	Ubiquitin ligase TRIM3 controls hippocampal plasticity and learning by regulating synaptic Î³-actin levels. Journal of Cell Biology, 2015, 211, 569-586.	2.3	28
117	The anatomy of fear learning in the cerebellum: A systematic meta-analysis. Neuroscience and Biobehavioral Reviews, 2015, 59, 83-91.	2.9	55
118	Spinocerebellar Ataxia Type 6 Protein Aggregates Cause Deficits in Motor Learning and Cerebellar Plasticity. Journal of Neuroscience, 2015, 35, 8882-8895.	1.7	59
119	Forward Signaling by Unipolar Brush Cells in the Mouse Cerebellum. Cerebellum, 2015, 14, 528-533.	1.4	13
120	Editorial on the Honorary Cerebellum Issue for the Retirement of Enrico Mugnaini. Cerebellum, 2015, 14, 487-490.	1.4	0
121	The Formation of Hierarchical Decisions in the Visual Cortex. Neuron, 2015, 87, 1344-1356.	3.8	37
122	Motor Learning and the Cerebellum. Cold Spring Harbor Perspectives in Biology, 2015, 7, a021683.	2.3	175
123	Numb deficiency in cerebellar Purkinje cells impairs synaptic expression of metabotropic glutamate receptor and motor coordination. Proceedings of the National Academy of Sciences of the United States of America, 2015, 112, 15474-15479.	3.3	27
124	Dissociation of locomotor and cerebellar deficits in a murine Angelman syndrome model. Journal of Clinical Investigation, 2015, 125, 4305-4315.	3.9	40
125	Reducing GBA2 Activity Ameliorates Neuropathology in Niemann-Pick Type C Mice. PLoS ONE, 2015, 10, e0135889.	1.1	61
126	Distinct roles of Î±- and Î²CaMKII in controlling long-term potentiation of GABAA-receptor mediated transmission in murine Purkinje cells. Frontiers in Cellular Neuroscience, 2014, 8, 16.	1.8	13

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127	High Bandwidth Synaptic Communication and Frequency Tracking in Human Neocortex. PLoS Biology, 2014, 12, e1002007.	2.6	163
128	Cerebellar motor learning deficits in medicated and medication-free men with recent-onset schizophrenia. Journal of Psychiatry and Neuroscience, 2014, 39, E3-E11.	1.4	27
129	Questioning the Cerebellar Doctrine. Progress in Brain Research, 2014, 210, 59-77.	0.9	25
130	Enhanced AMPA receptor function promotes cerebellar long-term depression rather than potentiation. Learning and Memory, 2014, 21, 662-667.	0.5	12
131	Cerebellar Potentiation and Learning a Whisker-Based Object Localization Task with a Time Response Window. Journal of Neuroscience, 2014, 34, 1949-1962.	1.7	61
132	Variable timing of synaptic transmission in cerebellar unipolar brush cells. Proceedings of the National Academy of Sciences of the United States of America, 2014, 111, 5403-5408.	3.3	38
133	Motor Systems: Reaching Out and Grasping the Molecular Tools. Current Biology, 2014, 24, R269-R271.	1.8	6
134	Modulation of Electrotonic Coupling in the Inferior Olive by Inhibitory and Excitatory Inputs: Integration in the Glomerulus. Neuron, 2014, 81, 1215-1217.	3.8	18
135	A Cerebellar Learning Model of Vestibulo-Ocular Reflex Adaptation in Wild-Type and Mutant Mice. Journal of Neuroscience, 2014, 34, 7203-7215.	1.7	59
136	Optimal mapping of inferior olive neuron simulations on the Single-Chip Cloud Computer. , 2014, , .		6
137	Behavioral Correlates of Complex Spike Synchrony in Cerebellar Microzones. Journal of Neuroscience, 2014, 34, 8937-8947.	1.7	63
138	Familial Alzheimerâ€™s diseaseâ€“associated presenilin-1 alters cerebellar activity and calcium homeostasis. Journal of Clinical Investigation, 2014, 124, 1552-1567.	3.9	104
139	Spinal Autofluorescent Flavoprotein Imaging in a Rat Model of Nerve Injury-Induced Pain and the Effect of Spinal Cord Stimulation. PLoS ONE, 2014, 9, e109029.	1.1	7
140	Cerebellar modules operate at different frequencies. ELife, 2014, 3, e02536.	2.8	254
141	Slc26a11 is prominently expressed in the brain and functions as a chloride channel: expression in Purkinje cells and stimulation of V H+-ATPase. Pflugers Archiv European Journal of Physiology, 2013, 465, 1583-1597.	1.3	28
142	Synaptic Transmission and Plasticity at Inputs to Murine Cerebellar Purkinje Cells Are Largely Dispensable for Standard Nonmotor Tasks. Journal of Neuroscience, 2013, 33, 12599-12618.	1.7	42
143	Axonal Sprouting and Formation of Terminals in the Adult Cerebellum during Associative Motor Learning. Journal of Neuroscience, 2013, 33, 17897-17907.	1.7	76
144	Size Does Not Always Matter: Ts65Dn Down Syndrome Mice Show Cerebellum-Dependent Motor Learning Deficits that Cannot Be Rescued by Postnatal SAG Treatment. Journal of Neuroscience, 2013, 33, 15408-15413.	1.7	22

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145	Impact of aging on long-term ocular reflex adaptation. Neurobiology of Aging, 2013, 34, 2784-2792.	1.5	13
146	Silencing the Majority of Cerebellar Granule Cells Uncovers Their Essential Role in Motor Learning and Consolidation. Cell Reports, 2013, 3, 1239-1251.	2.9	134
147	Stress, caffeine and ethanol trigger transient neurological dysfunction through shared mechanisms in a mouse calcium channelopathy. Neurobiology of Disease, 2013, 50, 151-159.	2.1	27
148	Climbing Fiber Input Shapes Reciprocity of Purkinje Cell Firing. Neuron, 2013, 78, 700-713.	3.8	115
149	Inferior Olive: All Ins and Outs. , 2013, , 1013-1058.		9
150	T-type channel blockade impairs long-term potentiation at the parallel fiberâ€“Purkinje cell synapse and cerebellar learning. Proceedings of the National Academy of Sciences of the United States of America, 2013, 110, 20302-20307.	3.3	65
151	High Frequency Burst Firing of Granule Cells Ensures Transmission at the Parallel Fiber to Purkinje Cell Synapse at the Cost of Temporal Coding. Frontiers in Neural Circuits, 2013, 7, 95.	1.4	69
152	Vestibular Role of KCNQ4 and KCNQ5 K+ Channels Revealed by Mouse Models. Journal of Biological Chemistry, 2013, 288, 9334-9344.	1.6	36
153	The Neuronal Code(s) of the Cerebellum. Journal of Neuroscience, 2013, 33, 17603-17609.	1.7	64
154	Gating of Long-Term Potentiation by Nicotinic Acetylcholine Receptors at the Cerebellum Input Stage. PLoS ONE, 2013, 8, e64828.	1.1	49
155	Anatomical investigation of potential contacts between climbing fibers and cerebellar Golgi cells in the mouse. Frontiers in Neural Circuits, 2013, 7, 59.	1.4	21
156	Strength and timing of motor responses mediated by rebound firing in the cerebellar nuclei after Purkinje cell activation. Frontiers in Neural Circuits, 2013, 7, 133.	1.4	135
157	Cerebellar Ataxia by Enhanced Ca_V2.1 Currents Is Alleviated by Ca²⁺-Dependent K⁺-Channel Activators in<i>Cacna1a</i>^{S218L}Mutant Mice. Journal of Neuroscience, 2012, 32, 15533-15546.	1.7	84
158	Raising cytosolic Cl^{âˆ’}in cerebellar granule cells affects their excitability and vestibulo-ocular learning. EMBO Journal, 2012, 31, 1217-1230.	3.5	73
159	Climbing Fiber Burst Size and Olivary Sub-threshold Oscillations in a Network Setting. PLoS Computational Biology, 2012, 8, e1002814.	1.5	83
160	A Cre-Dependent GCaMP3 Reporter Mouse for Neuronal Imaging<i>In Vivo</i>. Journal of Neuroscience, 2012, 32, 3131-3141.	1.7	341
161	Elimination of Inhibitory Synapses Is a Major Component of Adult Ocular Dominance Plasticity. Neuron, 2012, 74, 374-383.	3.8	188
162	Shared Synaptic Pathophysiology in Syndromic and Nonsyndromic Rodent Models of Autism. Science, 2012, 338, 128-132.	6.0	278

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163	Distributed synergistic plasticity and cerebellar learning. Nature Reviews Neuroscience, 2012, 13, 619-635.	4.9	429
164	Olivary subthreshold oscillations and burst activity revisited. Frontiers in Neural Circuits, 2012, 6, 91.	1.4	57
165	Bergmann Glial AMPA Receptors Are Required for Fine Motor Coordination. Science, 2012, 337, 749-753.	6.0	191
166	Visuomotor Cerebellum in Human and Nonhuman Primates. Cerebellum, 2012, 11, 392-410.	1.4	136
167	fMRI Activities in the Emotional Cerebellum: A Preference for Negative Stimuli and Goal-Directed Behavior. Cerebellum, 2012, 11, 233-245.	1.4	115
168	Purkinje Cell-Specific Ablation of CaV2.1 Channels is Sufficient to Cause Cerebellar Ataxia in Mice. Cerebellum, 2012, 11, 246-258.	1.4	38
169	Diversity and Complexity of Roles of Granule Cells in the Cerebellar Cortex. Editorial. Cerebellum, 2012, 11, 1-4.	1.4	13
170	Properties of the Nucleo-Olivary Pathway: An In Vivo Whole-Cell Patch Clamp Study. PLoS ONE, 2012, 7, e46360.	1.1	52
171	Corrigendum to â€œCerebellar molecular layer interneurons â€“ computational properties and roles in learningâ€•[Trends in Neurosciences 33(11), 2010, 524â€“532]. Trends in Neurosciences, 2011, 34, 113.	4.2	0
172	Reevaluating the Role of LTD in Cerebellar Motor Learning. Neuron, 2011, 70, 43-50.	3.8	291
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