

Chris I De Zeeuw

List of Publications by Year in Descending Order

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Version: 2024-04-28

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

268
papers

15,847
citations

72
h-index

117
g-index

291
ext. papers

18,705
ext. citations

8.6
avg, IF

6.57
L-index

#	Paper	IF	Citations
268	Reply to Piochon et al.: NMDARs in Purkinje cells are not involved in parallel fiber-Purkinje cell synaptic plasticity or motor learning.. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2022 , 119,	11.5	0
267	Controlling absence seizures from the cerebellar nuclei via activation of the G signaling pathway.. <i>Cellular and Molecular Life Sciences</i> , 2022 , 79, 197	10.3	0
266	Time and tide of cerebellar synchrony.. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2022 , 119, e2204155119	11.5	
265	Purkinje Cell Activity in the Medial and Lateral Cerebellum During Suppression of Voluntary Eye Movements in Rhesus Macaques.. <i>Frontiers in Cellular Neuroscience</i> , 2022 , 16, 863181	6.1	
264	Purkinje cells translate subjective salience into readiness to act and choice performance.. <i>Cell Reports</i> , 2021 , 37, 110116	10.6	4
263	ITVT-10. Using functional Ultrasound (FUS) for real-time, depth-resolved functional and vascular delineation of brain tumors with micrometer-millisecond precision. <i>Neuro-Oncology</i> , 2021 , 23, vi230-vi230		
262	Input and output organization of the mesodiencephalic junction for cerebro-cerebellar communication. <i>Journal of Neuroscience Research</i> , 2021 , 100, 620	4.4	2
261	Activity of Cerebellar Nuclei Neurons Correlates with ZebrinII Identity of Their Purkinje Cell Afferents. <i>Cells</i> , 2021 , 10,	7.9	2
260	Cerebellar Purkinje cells can differentially modulate coherence between sensory and motor cortex depending on region and behavior. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021 , 118,	11.5	11
259	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. <i>Neuromodulation</i> , 2021 , 24, 779-793	3.1	4
258	Region-specific preservation of Purkinje cell morphology and motor behavior in the ATXN1[82Q] mouse model of spinocerebellar ataxia 1. <i>Brain Pathology</i> , 2021 , 31, e12946	6	4
257	How to Identify Responders and Nonresponders to Dorsal Root Ganglion-Stimulation Aimed at Eliciting Motor Responses in Chronic Spinal Cord Injury: Post Hoc Clinical and Neurophysiological Tests in a Case Series of Five Patients. <i>Neuromodulation</i> , 2021 , 24, 719-728	3.1	1
256	Protein Phosphatase 2B Dual Function Facilitates Synaptic Integrity and Motor Learning. <i>Journal of Neuroscience</i> , 2021 , 41, 5579-5594	6.6	
255	OptiFlex: Multi-Frame Animal Pose Estimation Combining Deep Learning With Optical Flow. <i>Frontiers in Cellular Neuroscience</i> , 2021 , 15, 621252	6.1	2
254	Single-pulse stimulation of cerebellar nuclei stops epileptic thalamic activity. <i>Brain Stimulation</i> , 2021 , 14, 861-872	5.1	2
253	Bidirectional learning in upbound and downbound microzones of the cerebellum. <i>Nature Reviews Neuroscience</i> , 2021 , 22, 92-110	13.5	26
252	Diversity and dynamism in the cerebellum. <i>Nature Neuroscience</i> , 2021 , 24, 160-167	25.5	27

251	Sleep quality does not mediate the negative effects of chronodisruption on body composition and metabolic syndrome in healthcare workers in Ecuador. <i>Diabetes and Metabolic Syndrome: Clinical Research and Reviews</i> , 2021 , 15, 397-402	8.9	1
250	Acidosis, cognitive dysfunction and motor impairments in patients with kidney disease. <i>Nephrology Dialysis Transplantation</i> , 2021 ,	4.3	4
249	Securing Implantable Medical Devices Using Ultrasound Waves. <i>IEEE Access</i> , 2021 , 9, 80170-80182	3.5	3
248	Pavlovian eyeblink conditioning is severely impaired in tottering mice. <i>Journal of Neurophysiology</i> , 2021 , 125, 398-407	3.2	0
247	Temporal dynamics of the cerebello-cortical convergence in ventro-lateral motor thalamus. <i>Journal of Physiology</i> , 2021 , 599, 2055-2073	3.9	3
246	Wireless closed-loop optogenetics across the entire dorsoventral spinal cord in mice. <i>Nature Biotechnology</i> , 2021 ,	44.5	9
245	NMDARs in granule cells contribute to parallel fiber-Purkinje cell synaptic plasticity and motor learning. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021 , 118,	11.5	3
244	WhiskEras: A New Algorithm for Accurate Whisker Tracking. <i>Frontiers in Cellular Neuroscience</i> , 2020 , 14, 588445	6.1	2
243	Region-specific Foxp2 deletions in cortex, striatum or cerebellum cannot explain vocalization deficits observed in spontaneous global knockouts. <i>Scientific Reports</i> , 2020 , 10, 21631	4.9	5
242	Genetic risk for Alzheimer disease in children: Evidence from early-life IQ and brain white-matter microstructure. <i>Genes, Brain and Behavior</i> , 2020 , 19, e12656	3.6	1
241	Cerebellum: What is in a Name? Historical Origins and First Use of This Anatomical Term. <i>Cerebellum</i> , 2020 , 19, 550-561	4.3	0
240	Functional Convergence of Autonomic and Sensorimotor Processing in the Lateral Cerebellum. <i>Cell Reports</i> , 2020 , 32, 107867	10.6	10
239	Translation information processing is regulated by protein kinase C-dependent mechanism in Purkinje cells in murine posterior vermis. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020 , 117, 17348-17358	11.5	0
238	Bilateral L2 dorsal root ganglion-stimulation suppresses lower limb spasticity following chronic motor complete Spinal Cord Injury: A case report. <i>Brain Stimulation</i> , 2020 , 13, 637-639	5.1	3
237	Synthetic Polymers Provide a Robust Substrate for Functional Neuron Culture. <i>Advanced Healthcare Materials</i> , 2020 , 9, e1901347	10.1	1
236	Sleep deprivation directly following eyeblink-conditioning impairs memory consolidation. <i>Neurobiology of Learning and Memory</i> , 2020 , 170, 107165	3.1	0
235	Pain-related changes in cutaneous innervation of patients suffering from bortezomib-induced, diabetic or chronic idiopathic axonal polyneuropathy. <i>Brain Research</i> , 2020 , 1730, 146621	3.7	5
234	Cerebellar plasticity and associative memories are controlled by perineuronal nets. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020 , 117, 6855-6865	11.5	27

233	AMPA Auxiliary Protein SHISA6 Facilitates Purkinje Cell Synaptic Excitability and Procedural Memory Formation. <i>Cell Reports</i> , 2020 , 31, 107515	10.6	11
232	NIMG-19. USING FUNCTIONAL ULTRASOUND (FUS) TO MAP BRAIN FUNCTIONALITY AND TUMOR VASCULATURE WITH MICROMETER-MILLISECOND PRECISION. <i>Neuro-Oncology</i> , 2020 , 22, ii151-ii151	1	
231	NINScope, a versatile miniscope for multi-region circuit investigations. <i>ELife</i> , 2020 , 9,	8.9	45
230	Differential Coding Strategies in Glutamatergic and GABAergic Neurons in the Medial Cerebellar Nucleus. <i>Journal of Neuroscience</i> , 2020 , 40, 159-170	6.6	15
229	SK2 channels in cerebellar Purkinje cells contribute to excitability modulation in motor-learning-specific memory traces. <i>PLoS Biology</i> , 2020 , 18, e3000596	9.7	23
228	Whole brain 7T-fMRI during pelvic floor muscle contraction in male subjects. <i>Neurourology and Urodynamics</i> , 2020 , 39, 382-392	2.3	6
227	Unilateral L2-Level DRG-stimulation evokes bilateral CPG-Like motor response in a patient with chronic pain. <i>Brain Stimulation</i> , 2020 , 13, 1719-1721	5.1	1
226	The human cerebellum has almost 80% of the surface area of the neocortex. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020 , 117, 19538-19543	11.5	42
225	Blood Pressure in Andean Adults Living Permanently at Different Altitudes. <i>High Altitude Medicine and Biology</i> , 2020 , 21, 360-369	1.9	1
224	A FN-MdV pathway and its role in cerebellar multimodular control of sensorimotor behavior. <i>Nature Communications</i> , 2020 , 11, 6050	17.4	7
223	Nystagmus in patients with congenital stationary night blindness (CSNB) originates from synchronously firing retinal ganglion cells. <i>PLoS Biology</i> , 2019 , 17, e3000174	9.7	10
222	Neurons of the inferior olive respond to broad classes of sensory input while subject to homeostatic control. <i>Journal of Physiology</i> , 2019 , 597, 2483-2514	3.9	21
221	Viral Factors Important for Efficient Replication of Influenza A Viruses in Cells of the Central Nervous System. <i>Journal of Virology</i> , 2019 , 93,	6.6	11
220	Variability and directionality of inferior olive neuron dendrites revealed by detailed 3D characterization of an extensive morphological library. <i>Brain Structure and Function</i> , 2019 , 224, 1677-1694	5.1	13
219	Functional Ultrasound (FUS) During Awake Brain Surgery: The Clinical Potential of Intra-Operative Functional and Vascular Brain Mapping. <i>Frontiers in Neuroscience</i> , 2019 , 13, 1384	5.1	25
218	Differential effects of Foxp2 disruption in distinct motor circuits. <i>Molecular Psychiatry</i> , 2019 , 24, 447-462	5.1	19
217	Response to "Fallacies of Mice Experiments". <i>Neuroinformatics</i> , 2019 , 17, 475-478	3.2	5
216	Generation of an Atxn2-CAG100 knock-in mouse reveals N-acetylaspartate production deficit due to early Nat8l dysregulation. <i>Neurobiology of Disease</i> , 2019 , 132, 104559	7.5	17

215	Quasiperiodic rhythms of the inferior olive. <i>PLoS Computational Biology</i> , 2019 , 15, e1006475	5	16
214	TRPC3 is a major contributor to functional heterogeneity of cerebellar Purkinje cells. <i>ELife</i> , 2019 , 8,	8.9	24
213	Conditional disruption of Foxp2 in the mouse brain. <i>Molecular Psychiatry</i> , 2019 , 24, 321-321	15.1	
212	Action perception recruits the cerebellum and is impaired in patients with spinocerebellar ataxia. <i>Brain</i> , 2019 , 142, 3791-3805	11.2	16
211	Glissades Are Altered by Lesions to the Oculomotor Vermis but Not by Saccadic Adaptation. <i>Frontiers in Behavioral Neuroscience</i> , 2019 , 13, 194	3.5	2
210	Protein kinase C activity is a protective modifier of Purkinje neuron degeneration in cerebellar ataxia. <i>Human Molecular Genetics</i> , 2018 , 27, 1396-1410	5.6	22
209	A cerebellar mechanism for learning prior distributions of time intervals. <i>Nature Communications</i> , 2018 , 9, 469	17.4	24
208	Cerebellar transcranial direct current stimulation interacts with BDNF Val66Met in motor learning. <i>Brain Stimulation</i> , 2018 , 11, 759-771	5.1	12
207	Caffeine has no effect on eyeblink conditioning in mice. <i>Behavioural Brain Research</i> , 2018 , 337, 252-255	3.4	3
206	Chloride Homeostasis in Neurons With Special Emphasis on the Olivocerebellar System: Differential Roles for Transporters and Channels. <i>Frontiers in Cellular Neuroscience</i> , 2018 , 12, 101	6.1	21
205	Clinical, electrophysiological, and cutaneous innervation changes in patients with bortezomib-induced peripheral neuropathy reveal insight into mechanisms of neuropathic pain. <i>Molecular Pain</i> , 2018 , 14, 1744806918797042	3.4	17
204	Potentiation of cerebellar Purkinje cells facilitates whisker reflex adaptation through increased simple spike activity. <i>ELife</i> , 2018 , 7,	8.9	32
203	PRRT2-dependent dyskinesia: cerebellar, paroxysmal and persistent. <i>Cell Research</i> , 2018 , 28, 3-4	24.7	2
202	Impact of NMDA Receptor Overexpression on Cerebellar Purkinje Cell Activity and Motor Learning. <i>ENeuro</i> , 2018 , 5,	3.9	8
201	Music Affects Rodents: A Systematic Review of Experimental Research. <i>Frontiers in Behavioral Neuroscience</i> , 2018 , 12, 301	3.5	12
200	Inactive Atm abrogates DSB repair in mouse cerebellum more than does Atm loss, without causing a neurological phenotype. <i>DNA Repair</i> , 2018 , 72, 10-17	4.3	7
199	Impact of parallel fiber to Purkinje cell long-term depression is unmasked in absence of inhibitory input. <i>Science Advances</i> , 2018 , 4, eaas9426	14.3	24
198	A cortico-cerebellar loop for motor planning. <i>Nature</i> , 2018 , 563, 113-116	50.4	163

197	Early Trajectory Prediction in Elite Athletes. <i>Cerebellum</i> , 2018 , 17, 766-776	4.3	7
196	Intrinsic excitement in cerebellar nuclei neurons during learning. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018 , 115, 9824-9826	11.5	2
195	Differentiating Cerebellar Impact on Thalamic Nuclei. <i>Cell Reports</i> , 2018 , 23, 2690-2704	10.6	38
194	The basal interstitial nucleus (BIN) of the cerebellum provides diffuse ascending inhibitory input to the floccular granule cell layer. <i>Journal of Comparative Neurology</i> , 2018 , 526, 2231-2256	3.4	6
193	Cerebellar Learning Properties Are Modulated by the CRF Receptor. <i>Journal of Neuroscience</i> , 2018 , 38, 6751-6765	6.6	4
192	The Roles of the Olivocerebellar Pathway in Motor Learning and Motor Control. A Consensus Paper. <i>Cerebellum</i> , 2017 , 16, 230-252	4.3	60
191	Cerebellar function and ischemic brain lesions in migraine patients from the general population. <i>Cephalalgia</i> , 2017 , 37, 177-190	6.1	14
190	Motor Learning Requires Purkinje Cell Synaptic Potentiation through Activation of AMPA-Receptor Subunit GluA3. <i>Neuron</i> , 2017 , 93, 409-424	13.9	63
189	The Sleeping Cerebellum. <i>Trends in Neurosciences</i> , 2017 , 40, 309-323	13.3	52
188	Modulation of 7T fMRI Signal in the Cerebellar Cortex and Nuclei During Acquisition, Extinction, and Reacquisition of Conditioned Eyeblink Responses. <i>Human Brain Mapping</i> , 2017 , 38, 3957-3974	5.9	15
187	Cerebellar Granule Cells: Dense, Rich and Evolving Representations. <i>Current Biology</i> , 2017 , 27, R415-R418.	18.3	18
186	Mechanisms underlying vestibulo-cerebellar motor learning in mice depend on movement direction. <i>Journal of Physiology</i> , 2017 , 595, 5301-5326	3.9	32
185	Activity-based protein profiling reveals off-target proteins of the FAAH inhibitor BIA 10-2474. <i>Science</i> , 2017 , 356, 1084-1087	33.3	204
184	Optimizing Extended Hodgkin-Huxley Neuron Model Simulations for a Xeon/Xeon Phi Node. <i>IEEE Transactions on Parallel and Distributed Systems</i> , 2017 , 28, 2581-2594	3.7	6
183	Cerebellar granule cells acquire a widespread predictive feedback signal during motor learning. <i>Nature Neuroscience</i> , 2017 , 20, 727-734	25.5	111
182	Ablation of TFR1 in Purkinje Cells Inhibits mGlu1 Trafficking and Impairs Motor Coordination, But Not Autistic-Like Behaviors. <i>Journal of Neuroscience</i> , 2017 , 37, 11335-11352	6.6	18
181	Dynamic modulation of activity in cerebellar nuclei neurons during pavlovian eyeblink conditioning in mice. <i>ELife</i> , 2017 , 6,	8.9	56
180	Performance in eyeblink conditioning is age and sex dependent. <i>PLoS ONE</i> , 2017 , 12, e0177849	3.7	12

179	An expandable embryonic stem cell-derived Purkinje neuron progenitor population that exhibits in vivo maturation in the adult mouse cerebellum. <i>Scientific Reports</i> , 2017 , 7, 8863	4.9	8
178	Cerebellar perineuronal nets in cocaine-induced pavlovian memory: Site matters. <i>Neuropharmacology</i> , 2017 , 125, 166-180	5.5	21
177	The reduction of intraepidermal P2X nerve fiber density correlates with behavioral hyperalgesia in a rat model of nerve injury-induced pain. <i>Journal of Comparative Neurology</i> , 2017 , 525, 3757-3768	3.4	8
176	Synchronicity and Rhythmicity of Purkinje Cell Firing during Generalized Spike-and-Wave Discharges in a Natural Mouse Model of Absence Epilepsy. <i>Frontiers in Cellular Neuroscience</i> , 2017 , 11, 346	6.1	10
175	Modulation of Murine Olivary Connexin 36 Gap Junctions by PKA and CaMKII. <i>Frontiers in Cellular Neuroscience</i> , 2017 , 11, 397	6.1	14
174	Modeled changes of cerebellar activity in mutant mice are predictive of their learning impairments. <i>Scientific Reports</i> , 2016 , 6, 36131	4.9	13
173	Dysfunctional cerebellar Purkinje cells contribute to autism-like behaviour in Shank2-deficient mice. <i>Nature Communications</i> , 2016 , 7, 12627	17.4	104
172	Performance analysis of accelerated biophysically-meaningful neuron simulations 2016 ,		4
171	Impaired Spatio-Temporal Predictive Motor Timing Associated with Spinocerebellar Ataxia Type 6. <i>PLoS ONE</i> , 2016 , 11, e0162042	3.7	9
170	Whole-Cell Properties of Cerebellar Nuclei Neurons In Vivo. <i>PLoS ONE</i> , 2016 , 11, e0165887	3.7	22
169	SLC26A11 (KBAT) in Purkinje Cells Is Critical for Inhibitory Transmission and Contributes to Locomotor Coordination. <i>ENeuro</i> , 2016 , 3,	3.9	12
168	Tactile Stimulation Evokes Long-Lasting Potentiation of Purkinje Cell Discharge In Vivo. <i>Frontiers in Cellular Neuroscience</i> , 2016 , 10, 36	6.1	23
167	Excitatory Cerebellar Nucleocortical Circuit Provides Internal Amplification during Associative Conditioning. <i>Neuron</i> , 2016 , 89, 645-57	13.9	102
166	Cerebellar output controls generalized spike-and-wave discharge occurrence. <i>Annals of Neurology</i> , 2015 , 77, 1027-49	9.4	88
165	Reversibility of neuropathology and motor deficits in an inducible mouse model for FXTAS. <i>Human Molecular Genetics</i> , 2015 , 24, 4948-57	5.6	37
164	Hippocampal-cerebellar interaction during spatio-temporal prediction. <i>Cerebral Cortex</i> , 2015 , 25, 313-215.1		43
163	In vivo differences in inputs and spiking between neurons in lobules VI/VII of neocerebellum and lobule X of archaeocerebellum. <i>Cerebellum</i> , 2015 , 14, 506-15	4.3	16
162	Regional functionality of the cerebellum. <i>Current Opinion in Neurobiology</i> , 2015 , 33, 150-5	7.6	44

161	Ubiquitin ligase TRIM3 controls hippocampal plasticity and learning by regulating synaptic F-actin levels. <i>Journal of Cell Biology</i> , 2015 , 211, 569-86	7.3	21
160	The anatomy of fear learning in the cerebellum: A systematic meta-analysis. <i>Neuroscience and Biobehavioral Reviews</i> , 2015 , 59, 83-91	9	31
159	Spinocerebellar ataxia type 6 protein aggregates cause deficits in motor learning and cerebellar plasticity. <i>Journal of Neuroscience</i> , 2015 , 35, 8882-95	6.6	47
158	Forward signaling by unipolar brush cells in the mouse cerebellum. <i>Cerebellum</i> , 2015 , 14, 528-33	4.3	8
157	The Formation of Hierarchical Decisions in the Visual Cortex. <i>Neuron</i> , 2015 , 87, 1344-1356	13.9	27
156	Motor Learning and the Cerebellum. <i>Cold Spring Harbor Perspectives in Biology</i> , 2015 , 7, a021683	10.2	120
155	Numb deficiency in cerebellar Purkinje cells impairs synaptic expression of metabotropic glutamate receptor and motor coordination. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015 , 112, 15474-9	11.5	19
154	Reappraisal of Bergmann glial cells as modulators of cerebellar circuit function. <i>Frontiers in Cellular Neuroscience</i> , 2015 , 9, 246	6.1	26
153	Cerebellar control of gait and interlimb coordination. <i>Brain Structure and Function</i> , 2015 , 220, 3513-36	4	76
152	Cerebellar cortex and cerebellar nuclei are concomitantly activated during eyeblink conditioning: a 7T fMRI study in humans. <i>Journal of Neuroscience</i> , 2015 , 35, 1228-39	6.6	34
151	Evolving Models of Pavlovian Conditioning: Cerebellar Cortical Dynamics in Awake Behaving Mice. <i>Cell Reports</i> , 2015 , 13, 1977-88	10.6	132
150	Controlling Cerebellar Output to Treat Refractory Epilepsy. <i>Trends in Neurosciences</i> , 2015 , 38, 787-799	13.3	50
149	Role of Synchronous Activation of Cerebellar Purkinje Cell Ensembles in Multi-joint Movement Control. <i>Current Biology</i> , 2015 , 25, 1157-65	6.3	67
148	Dissociation of locomotor and cerebellar deficits in a murine Angelman syndrome model. <i>Journal of Clinical Investigation</i> , 2015 , 125, 4305-15	15.9	29
147	Reducing GBA2 Activity Ameliorates Neuropathology in Niemann-Pick Type C Mice. <i>PLoS ONE</i> , 2015 , 10, e0135889	3.7	47
146	Modulation of electrotonic coupling in the inferior olive by inhibitory and excitatory inputs: integration in the glomerulus. <i>Neuron</i> , 2014 , 81, 1215-1217	13.9	12
145	A cerebellar learning model of vestibulo-ocular reflex adaptation in wild-type and mutant mice. <i>Journal of Neuroscience</i> , 2014 , 34, 7203-15	6.6	40
144	Optimal mapping of inferior olive neuron simulations on the Single-Chip Cloud Computer 2014 ,		4

143	Behavioral correlates of complex spike synchrony in cerebellar microzones. <i>Journal of Neuroscience</i> , 2014 , 34, 8937-47	6.6	50
142	Distinct roles of β and α CaMKII in controlling long-term potentiation of GABAA-receptor mediated transmission in murine Purkinje cells. <i>Frontiers in Cellular Neuroscience</i> , 2014 , 8, 16	6.1	9
141	High bandwidth synaptic communication and frequency tracking in human neocortex. <i>PLoS Biology</i> , 2014 , 12, e1002007	9.7	94
140	Cerebellar motor learning deficits in medicated and medication-free men with recent-onset schizophrenia. <i>Journal of Psychiatry and Neuroscience</i> , 2014 , 39, E3-11	4.5	19
139	Questioning the cerebellar doctrine. <i>Progress in Brain Research</i> , 2014 , 210, 59-77	2.9	20
138	Enhanced AMPA receptor function promotes cerebellar long-term depression rather than potentiation. <i>Learning and Memory</i> , 2014 , 21, 662-7	2.8	7
137	Cerebellar potentiation and learning a whisker-based object localization task with a time response window. <i>Journal of Neuroscience</i> , 2014 , 34, 1949-62	6.6	40
136	Variable timing of synaptic transmission in cerebellar unipolar brush cells. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014 , 111, 5403-8	11.5	26
135	Motor systems: reaching out and grasping the molecular tools. <i>Current Biology</i> , 2014 , 24, R269-71	6.3	6
134	Familial Alzheimer's disease-associated presenilin-1 alters cerebellar activity and calcium homeostasis. <i>Journal of Clinical Investigation</i> , 2014 , 124, 1552-67	15.9	76
133	Spinal autofluorescent flavoprotein imaging in a rat model of nerve injury-induced pain and the effect of spinal cord stimulation. <i>PLoS ONE</i> , 2014 , 9, e109029	3.7	7
132	Cerebellar modules operate at different frequencies. <i>ELife</i> , 2014 , 3, e02536	8.9	196
131	Author response: Cerebellar modules operate at different frequencies 2014 ,		3
130	Slc26a11 is prominently expressed in the brain and functions as a chloride channel: expression in Purkinje cells and stimulation of V H ⁺ -ATPase. <i>Pflugers Archiv European Journal of Physiology</i> , 2013 , 465, 1583-97	4.6	21
129	Synaptic transmission and plasticity at inputs to murine cerebellar Purkinje cells are largely dispensable for standard nonmotor tasks. <i>Journal of Neuroscience</i> , 2013 , 33, 12599-618	6.6	33
128	Axonal sprouting and formation of terminals in the adult cerebellum during associative motor learning. <i>Journal of Neuroscience</i> , 2013 , 33, 17897-907	6.6	58
127	Size does not always matter: Ts65Dn Down syndrome mice show cerebellum-dependent motor learning deficits that cannot be rescued by postnatal SAG treatment. <i>Journal of Neuroscience</i> , 2013 , 33, 15408-13	6.6	21
126	Impact of aging on long-term ocular reflex adaptation. <i>Neurobiology of Aging</i> , 2013 , 34, 2784-92	5.6	10

125	Silencing the majority of cerebellar granule cells uncovers their essential role in motor learning and consolidation. <i>Cell Reports</i> , 2013 , 3, 1239-51	10.6	97
124	Stress, caffeine and ethanol trigger transient neurological dysfunction through shared mechanisms in a mouse calcium channelopathy. <i>Neurobiology of Disease</i> , 2013 , 50, 151-9	7.5	23
123	Climbing fiber input shapes reciprocity of Purkinje cell firing. <i>Neuron</i> , 2013 , 78, 700-13	13.9	98
122	Inferior Olive: All Ins and Outs 2013 , 1013-1058		7
121	T-type channel blockade impairs long-term potentiation at the parallel fiber-Purkinje cell synapse and cerebellar learning. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2013 , 110, 20302-7	11.5	54
120	High frequency burst firing of granule cells ensures transmission at the parallel fiber to purkinje cell synapse at the cost of temporal coding. <i>Frontiers in Neural Circuits</i> , 2013 , 7, 95	3.5	55
119	Vestibular role of KCNQ4 and KCNQ5 K ⁺ channels revealed by mouse models. <i>Journal of Biological Chemistry</i> , 2013 , 288, 9334-44	5.4	32
118	The neuronal code(s) of the cerebellum. <i>Journal of Neuroscience</i> , 2013 , 33, 17603-9	6.6	46
117	Gating of long-term potentiation by nicotinic acetylcholine receptors at the cerebellum input stage. <i>PLoS ONE</i> , 2013 , 8, e64828	3.7	40
116	Anatomical investigation of potential contacts between climbing fibers and cerebellar Golgi cells in the mouse. <i>Frontiers in Neural Circuits</i> , 2013 , 7, 59	3.5	19
115	Strength and timing of motor responses mediated by rebound firing in the cerebellar nuclei after Purkinje cell activation. <i>Frontiers in Neural Circuits</i> , 2013 , 7, 133	3.5	109
114	Elimination of inhibitory synapses is a major component of adult ocular dominance plasticity. <i>Neuron</i> , 2012 , 74, 374-83	13.9	151
113	Shared synaptic pathophysiology in syndromic and nonsyndromic rodent models of autism. <i>Science</i> , 2012 , 338, 128-32	33.3	210
112	Distributed synergistic plasticity and cerebellar learning. <i>Nature Reviews Neuroscience</i> , 2012 , 13, 619-35	13.5	340
111	Olivary subthreshold oscillations and burst activity revisited. <i>Frontiers in Neural Circuits</i> , 2012 , 6, 91	3.5	53
110	Bergmann glial AMPA receptors are required for fine motor coordination. <i>Science</i> , 2012 , 337, 749-53	33.3	129
109	Visuomotor cerebellum in human and nonhuman primates. <i>Cerebellum</i> , 2012 , 11, 392-410	4.3	112
108	fMRI activities in the emotional cerebellum: a preference for negative stimuli and goal-directed behavior. <i>Cerebellum</i> , 2012 , 11, 233-45	4.3	90

107	Purkinje cell-specific ablation of Cav2.1 channels is sufficient to cause cerebellar ataxia in mice. <i>Cerebellum</i> , 2012 , 11, 246-58	4.3	31
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2	NINscope: a versatile miniscope for multi-region circuit investigations		1
1	Purkinje Cell Activity During Suppression of Voluntary Eye Movements in Rhesus Macaques		1