

Mathieu Beraneck

List of Publications by Year in descending order

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Version: 2024-02-01

48
papers

1,342
citations

331670

21
h-index

361022

35
g-index

55
all docs

55
docs citations

55
times ranked

1077
citing authors

#	ARTICLE	IF	CITATIONS
1	Conservation of locomotion-induced oculomotor activity through evolution in mammals. <i>Current Biology</i> , 2022, 32, 453-461.e4.	3.9	12
2	How Tilting the Head Interferes With Eye-Hand Coordination: The Role of Gravity in Visuo-Proprioceptive, Cross-Modal Sensory Transformations. <i>Frontiers in Integrative Neuroscience</i> , 2022, 16, 788905.	2.1	3
3	Locomotion-induced ocular motor behavior in larval <i>Xenopus</i> is developmentally tuned by visuo-vestibular reflexes. <i>Nature Communications</i> , 2022, 13, .	12.8	5
4	Multisensory Integration in Stroke Patients: A Theoretical Approach to Reinterpret Upper-Limb Proprioceptive Deficits and Visual Compensation. <i>Frontiers in Neuroscience</i> , 2021, 15, 646698.	2.8	10
5	Interpreting pendred syndrome as a foetal hydrops: Clinical and animal model evidence. <i>Journal of Vestibular Research: Equilibrium and Orientation</i> , 2021, 31, 315-321.	2.0	0
6	Understanding the Pathophysiology of Congenital Vestibular Disorders: Current Challenges and Future Directions. <i>Frontiers in Neurology</i> , 2021, 12, 708395.	2.4	1
7	Implication of Vestibular Hair Cell Loss of Planar Polarity for the Canal and Otolith-Dependent Vestibulo-Ocular Reflexes in <i>Celsr1</i> Mice. <i>Frontiers in Neuroscience</i> , 2021, 15, 750596.	2.8	7
8	Long term visuo-vestibular mismatch in freely behaving mice differentially affects gaze stabilizing reflexes. <i>Scientific Reports</i> , 2020, 10, 20018.	3.3	8
9	Editorial: Coding for Spatial Orientation in Humans and Animals: Behavior, Circuits and Neurons. <i>Frontiers in Neural Circuits</i> , 2020, 14, 619073.	2.8	0
10	Surgical techniques and functional evaluation for vestibular lesions in the mouse: unilateral labyrinthectomy (UL) and unilateral vestibular neurectomy (UVN). <i>Journal of Neurology</i> , 2020, 267, 51-61.	3.6	19
11	Effects of centrifugation and whole-body vibrations on blood-brain barrier permeability in mice. <i>Npj Microgravity</i> , 2020, 6, 1.	3.7	34
12	Stabilization of Gaze during Early <i>Xenopus</i> Development by Swimming-Related Utricular Signals. <i>Current Biology</i> , 2020, 30, 746-753.e4.	3.9	16
13	Differential Organization of Intrinsic Membrane Properties of Central Vestibular Neurons and Interaction With Network Properties. , 2020, , 273-289.		2
14	Differential Organization of Intrinsic Membrane Properties of Central Vestibular Neurons and Interaction With Network Properties. , 2020, , .		0
15	Task-Specific Differentiation of Central Vestibular Neurons and Plasticity During Vestibular Compensation. , 2020, , 290-308.		3
16	In Vivo Intracerebral Stereotaxic Injections for Optogenetic Stimulation of Long-Range Inputs in Mouse Brain Slices. <i>Journal of Visualized Experiments</i> , 2019, , .	0.3	2
17	Long-term Sensory Conflict in Freely Behaving Mice. <i>Journal of Visualized Experiments</i> , 2019, , .	0.3	6
18	Morphological and functional correlates of vestibular synaptic deafferentation and repair in a mouse model of acute onset vertigo. <i>DMM Disease Models and Mechanisms</i> , 2019, 12, .	2.4	26

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19	Involvement of Aryl hydrocarbon receptor in myelination and in human nerve sheath tumorigenesis. Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, E1319-E1328.	7.1	27
20	No Gain No Pain: Relations Between Vestibulo-Ocular Reflexes and Motion Sickness in Mice. Frontiers in Neurology, 2018, 9, 918.	2.4	19
21	Temporal Relationship of Ocular and Tail Segmental Movements Underlying Locomotor-Induced Gaze Stabilization During Undulatory Swimming in Larval Xenopus. Frontiers in Neural Circuits, 2018, 12, 95.	2.8	16
22	Anterior Thalamic Excitation and Feedforward Inhibition of Presubicular Neurons Projecting to Medial Entorhinal Cortex. Journal of Neuroscience, 2018, 38, 6411-6425.	3.6	22
23	The visual encoding of purely proprioceptive intermanual tasks is due to the need of transforming joint signals, not to their interhemispheric transfer. Journal of Neurophysiology, 2017, 118, 1598-1608.	1.8	4
24	Local gene therapy durably restores vestibular function in a mouse model of Usher syndrome type 1G. Proceedings of the National Academy of Sciences of the United States of America, 2017, 114, 9695-9700.	7.1	101
25	AhR-deficiency as a cause of demyelinating disease and inflammation. Scientific Reports, 2017, 7, 9794.	3.3	49
26	Long-Lasting Visuo-Vestibular Mismatch in Freely-Behaving Mice Reduces the Vestibulo-Ocular Reflex and Leads to Neural Changes in the Direct Vestibular Pathway. ENeuro, 2017, 4, ENEURO.0290-16.2017.	1.9	33
27	Functional Development of the Vestibular System. , 2014, , 449-487.		20
28	HCN1 channels in cerebellar Purkinje cells promote late stages of learning and constrain synaptic inhibition. Journal of Physiology, 2013, 591, 5691-5709.	2.9	21
29	Retinoic Acid Deficiency Impairs the Vestibular Function. Journal of Neuroscience, 2013, 33, 5856-5866.	3.6	25
30	Oculomotor Deficits in Aryl Hydrocarbon Receptor Null Mouse. PLoS ONE, 2013, 8, e53520.	2.5	37
31	Auditory Outcomes After Implantation and Electrical Stimulation of the Lateral Ampullar Nerve in Guinea Pig. Ear and Hearing, 2012, 33, 118-123.	2.1	5
32	Ontogeny of Mouse Vestibulo-Ocular Reflex Following Genetic or Environmental Alteration of Gravity Sensing. PLoS ONE, 2012, 7, e40414.	2.5	37
33	Reconsidering the Role of Neuronal Intrinsic Properties and Neuromodulation in Vestibular Homeostasis. Frontiers in Neurology, 2012, 3, 25.	2.4	63
34	Vestibular signal processing by separate sets of neuronal filters. Journal of Vestibular Research: Equilibrium and Orientation, 2011, 21, 5-19.	2.0	25
35	Intrinsic membrane properties of central vestibular neurons in rodents. Experimental Brain Research, 2011, 210, 423-436.	1.5	26
36	Neural substrates underlying vestibular compensation: Contribution of peripheral versus central processing. Journal of Vestibular Research: Equilibrium and Orientation, 2010, 19, 171-182.	2.0	75

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37	Vestibulo-ocular Signal Transformation in Frequency-Tuned Channels. <i>Annals of the New York Academy of Sciences</i> , 2009, 1164, 37-44.	3.8	38
38	Evidence against a role of gap junctions in vestibular compensation. <i>Neuroscience Letters</i> , 2009, 450, 97-101.	2.1	4
39	Impaired Perception of Gravity Leads to Altered Head Direction Signals: What Can We Learn From Vestibular-Deficient Mice?. <i>Journal of Neurophysiology</i> , 2009, 102, 12-14.	1.8	9
40	Asymmetric Recovery in Cerebellar-Deficient Mice Following Unilateral Labyrinthectomy. <i>Journal of Neurophysiology</i> , 2008, 100, 945-958.	1.8	78
41	Activity of Vestibular Nuclei Neurons During Vestibular and Optokinetic Stimulation in the Alert Mouse. <i>Journal of Neurophysiology</i> , 2007, 98, 1549-1565.	1.8	76
42	Differential Intrinsic Response Dynamics Determine Synaptic Signal Processing in Frog Vestibular Neurons. <i>Journal of Neuroscience</i> , 2007, 27, 4283-4296.	3.6	54
43	Oscillatory and Intrinsic Membrane Properties of Guinea Pig Nucleus Prepositus Hypoglossi Neurons In Vitro. <i>Journal of Neurophysiology</i> , 2006, 96, 175-196.	1.8	36
44	Unilateral Labyrinthectomy Modifies the Membrane Properties of Contralesional Vestibular Neurons. <i>Journal of Neurophysiology</i> , 2004, 92, 1668-1684.	1.8	67
45	Second-Order Vestibular Neurons Form Separate Populations With Different Membrane and Discharge Properties. <i>Journal of Neurophysiology</i> , 2004, 92, 845-861.	1.8	31
46	Static and Dynamic Membrane Properties of Lateral Vestibular Nucleus Neurons in Guinea Pig Brain Stem Slices. <i>Journal of Neurophysiology</i> , 2003, 90, 1689-1703.	1.8	31
47	Long-Term Plasticity of Ipsilesional Medial Vestibular Nucleus Neurons After Unilateral Labyrinthectomy. <i>Journal of Neurophysiology</i> , 2003, 90, 184-203.	1.8	108
48	Vestibular compensation modifies the sensitivity of vestibular neurones to inhibitory amino acids. <i>NeuroReport</i> , 2000, 11, 1921-1927.	1.2	48