Peter Zu Eulenburg

List of Publications by Year
in descending order

42 papers	1,386 citations	471061 17 h-index	360668 35 g-index
51 all docs	51 docs citations	51 times ranked	1339 citing authors

#	Article	IF	Citations
1	Meta-analytical definition and functional connectivity of the human vestibular cortex. NeuroImage, 2012, 60, 162-169.	2.1	352
2	DeepVOG: Open-source pupil segmentation and gaze estimation in neuroscience using deep learning. Journal of Neuroscience Methods, 2019, 324, 108307.	1.3	108
3	Voxelâ€based morphometry depicts central compensation after vestibular neuritis. Annals of Neurology, 2010, 68, 241-249.	2.8	107
4	Brain ventricular volume changes induced by long-duration spaceflight. Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 10531-10536.	3.3	94
5	Brain Tissueâ€"Volume Changes in Cosmonauts. New England Journal of Medicine, 2018, 379, 1678-1680.	13.9	88
6	Interoceptive and multimodal functions of the operculo-insular cortex: Tactile, nociceptive and vestibular representations. NeuroImage, 2013, 83, 75-86.	2.1	59
7	Macro- and microstructural changes in cosmonautsâ€™ brains after long-duration spaceflight. Science Advances, 2020, 6, .	4.7	56
8	Insula and sensory insular cortex and somatosensory control in patients with insular stroke. European Journal of Pain, 2014, 18, 1385-1393.	1.4	45
9	Insular Strokes Cause No Vestibular Deficits. Stroke, 2013, 44, 2604-2606.	1.0	36
10	Ventral and dorsal streams processing visual motion perception (FDG-PET study). BMC Neuroscience, 2012, 13, 81.	0.8	35
11	The human corticocortical vestibular network. NeuroImage, 2020, 223, 117362.	2.1	34
12	Posterior insular cortex â€" a site of vestibularâ€"somatosensory interaction?. Brain and Behavior, 2013, 3, 519-524.	1.0	31
13	The cortical spatiotemporal correlate of otolith stimulation: Vestibular evoked potentials by body translations. NeuroImage, 2017, 155, 50-59.	2.1	29
14	Cortical alterations in phobic postural vertigo â€" a multimodal imaging approach. Annals of Clinical and Translational Neurology, 2018, 5, 717-729.	1.7	26
15	The effect of prolonged spaceflight on cerebrospinal fluid and perivascular spaces of astronauts and cosmonauts. Proceedings of the National Academy of Sciences of the United States of America, 2022, 119, e2120439119.	3.3	26
16	Lesions to the posterior insular cortex cause dysarthria. European Journal of Neurology, 2011, 18, 1429-1431.	1.7	21
17	On the recall of vestibular sensations. Brain Structure and Function, 2013, 218, 255-267.	1.2	20
18	Alterations and testâ€"retest reliability of functional connectivity network measures in cerebral small vessel disease. Human Brain Mapping, 2020, 41, 2629-2641.	1.9	19

#	Article	IF	Citations
19	Changes in Blood Biomarkers of Brain Injury and Degeneration Following Long-Duration Spaceflight. JAMA Neurology, 2021, 78, 1525.	4.5	19
20	Longitudinal multi-modal neuroimaging in opsoclonusâ€“myoclonus syndrome. Journal of Neurology, 2017, 264, 512-519.	1.8	17
21	Brain Connectometry Changes in Space Travelers After Long-Duration Spaceflight. Frontiers in Neural Circuits, 2022, 16, 815838.	1.4	17
22	Network changes in patients with phobic postural vertigo. Brain and Behavior, 2020, 10, e01622.	1.0	15
23	Delineating function and connectivity of optokinetic hubs in the cerebellum and the brainstem. Brain Structure and Function, 2017, 222, 4163-4185.	1.2	14
24	The role of delta and theta oscillations during ego-motion in healthy adult volunteers. Experimental Brain Research, 2021, 239, 1073-1083.	0.7	13
25	The Possible Role of Elastic Properties of the Brain and Optic Nerve Sheath in the Development of Spaceflight-Associated Neuro-Ocular Syndrome. American Journal of Neuroradiology, 2020, 41, E14-E15.	1.2	10
26	Structural reorganization of the cerebral cortex after vestibulo-cerebellar stroke. NeuroImage: Clinical, 2021, 30, 102603.	1.4	10
27	Ageingâ€related changes in the cortical processing of otolith information in humans. European Journal of Neuroscience, 2017, 46, 2817-2825.	1.2	9
28	Global multisensory reorganization after vestibular brain stem stroke. Annals of Clinical and Translational Neurology, 2020, 7, 1788-1801.	1.7	9
29	Functional correlate and delineated connectivity pattern of human motion aftereffect responses substantiate a subjacent visual-vestibular interaction. NeuroImage, 2018, 174, 22-34.	2.1	8
30	Prediction contribution of the cranial collateral circulation to the clinical and radiological outcome of ischemic stroke. Journal of Neurology, 2020, 267, 2013-2021.	1.8	7
31	Delineating neural responses and functional connectivity changes during vestibular and nociceptive stimulation reveal the uniqueness of cortical vestibular processing. Brain Structure and Function, 2022, 227, 779-791.	1.2	7
32	Reorganization of sensory networks after subcortical vestibular infarcts: A longitudinal symptomâ€related voxelâ€based morphometry study. European Journal of Neurology, 2022, 29, 1514-1523.	1.7	7
33	White matter volume loss drives cortical reshaping after thalamic infarcts. NeuroImage: Clinical, 2022, 33, 102953.	1.4	7
34	Auditory induced vestibular (otolithic) processing revealed by an independent component analysis: an fMRI parametric analysis. Journal of Neurology, 2017, 264, 23-25.	1.8	5
35	Simultaneous recording of cervical and ocular vestibular-evoked myogenic potentials. Neurology, 2018, 90, e230-e238.	1.5	5
36	Reply to Wostyn et al.: Investigating the spaceflight-associated neuro-ocular syndrome and the human brain in lockstep. Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 15772-15773.	3.3	4

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37	In Vivo Localization of the Human Velocity Storage Mechanism and Its Core Cerebellar Networks by Means of Galvanic-Vestibular Afternystagmus and fMRI. Cerebellum, 2023, 22, 194-205.	1.4	4
38	Functional hierarchy of oculomotor and visual motion subnetworks within the human cortical optokinetic system. Brain Structure and Function, 2019, 224, 567-582.	1.2	3
39	Voxel-based morphometry delineates the role of the cerebellar tonsil in physiological upbeat nystagmus. Journal of Neurology, 2017, 264, 13-15.	1.8	2
40	Jumping at a chance to control cerebral blood flow in astronauts. Experimental Physiology, 2021, 106, 1407-1409.	0.9	2
41	Reply to Ludwig et al.: A potential mechanism for intracranial cerebrospinal fluid accumulation during long-duration spaceflight. Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 20265-20266.	3.3	0
42	Blood Biomarkers May Have Found a New Frontier in Spaceflightâ€"Reply. JAMA Neurology, 2022, , .	4.5	0