

Heather R Mcgregor

List of Publications by Year in Descending Order

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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.

22
papers

208
citations

9
h-index

14
g-index

33
ext. papers

326
ext. citations

4
avg, IF

3.57
L-index

#	Paper	IF	Citations
22	The Effects of 30 Minutes of Artificial Gravity on Cognitive and Sensorimotor Performance in a Spaceflight Analog Environment.. <i>Frontiers in Neural Circuits</i> , 2022 , 16, 784280	3.5	1
21	Differential Relationships Between Brain Structure and Dual Task Walking in Young and Older Adults.. <i>Frontiers in Aging Neuroscience</i> , 2022 , 14, 809281	5.3	0
20	Longitudinal MRI-visible perivascular space (PVS) changes with long-duration spaceflight.. <i>Scientific Reports</i> , 2022 , 12, 7238	4.9	2
19	Case Report: No Evidence of Intracranial Fluid Shifts in an Astronaut Following an Aborted Launch.. <i>Frontiers in Neurology</i> , 2021 , 12, 774805	4.1	1
18	The Effects of Long Duration Spaceflight on Sensorimotor Control and Cognition. <i>Frontiers in Neural Circuits</i> , 2021 , 15, 723504	3.5	5
17	Ophthalmic changes in a spaceflight analog are associated with brain functional reorganization. <i>Human Brain Mapping</i> , 2021 , 42, 4281-4297	5.9	3
16	Reversal of Visual Feedback Modulates Somatosensory Plasticity. <i>Neuroscience</i> , 2021 , 452, 335-344	3.9	1
15	Brain connectivity and behavioral changes in a spaceflight analog environment with elevated CO. <i>NeuroImage</i> , 2021 , 225, 117450	7.9	10
14	Altered cerebral perfusion in response to chronic mild hypercapnia and head-down tilt Bed rest as an analog for Spaceflight. <i>Neuroradiology</i> , 2021 , 63, 1271-1281	3.2	4
13	Null effects of levodopa on reward- and error-based motor adaptation, savings, and anterograde interference. <i>Journal of Neurophysiology</i> , 2021 , 126, 47-67	3.2	3
12	The Impact of 6 and 12 Months in Space on Human Brain Structure and Intracranial Fluid Shifts. <i>Cerebral Cortex Communications</i> , 2020 , 1, tgaa023	1.9	17
11	The gradient of the reinforcement landscape influences sensorimotor learning. <i>PLoS Computational Biology</i> , 2019 , 15, e1006839	5	16
10	Changes in corticospinal excitability associated with motor learning by observing. <i>Experimental Brain Research</i> , 2018 , 236, 2829-2838	2.3	3
9	Somatosensory perceptual training enhances motor learning by observing. <i>Journal of Neurophysiology</i> , 2018 , 120, 3017-3025	3.2	10
8	Does the sensorimotor system minimize prediction error or select the most likely prediction during object lifting?. <i>Journal of Neurophysiology</i> , 2017 , 117, 260-274	3.2	9
7	Functional connectivity between somatosensory and motor brain areas predicts individual differences in motor learning by observing. <i>Journal of Neurophysiology</i> , 2017 , 118, 1235-1243	3.2	22
6	Dissociating error-based and reinforcement-based loss functions during sensorimotor learning. <i>PLoS Computational Biology</i> , 2017 , 13, e1005623	5	39

5	Functional Plasticity in Somatosensory Cortex Supports Motor Learning by Observing. <i>Current Biology</i> , 2016 , 26, 921-7	6.3	25
4	The human motor system alters its reaching movement plan for task-irrelevant, positional forces. <i>Journal of Neurophysiology</i> , 2015 , 113, 2137-49	3.2	9
3	Changes in visual and sensory-motor resting-state functional connectivity support motor learning by observing. <i>Journal of Neurophysiology</i> , 2015 , 114, 677-88	3.2	23
2	Null effects of levodopa on reward- and error-based motor adaptation, savings, and anterograde interference		1
1	Observational Motor Learning		525-540