

Rachael D Seidler

List of Publications by Citations

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161
papers

9,476
citations

49
h-index

95
g-index

178
ext. papers

11,478
ext. citations

4.3
avg, IF

6.32
L-index

#	Paper	IF	Citations
161	Toward discovery science of human brain function. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2010 , 107, 4734-9	11.5	2183
160	Motor control and aging: links to age-related brain structural, functional, and biochemical effects. <i>Neuroscience and Biobehavioral Reviews</i> , 2010 , 34, 721-33	9	912
159	Aging, training, and the brain: a review and future directions. <i>Neuropsychology Review</i> , 2009 , 19, 504-22	7.7	467
158	Contributions of spatial working memory to visuomotor learning. <i>Journal of Cognitive Neuroscience</i> , 2010 , 22, 1917-30	3.1	185
157	Cerebellum activation associated with performance change but not motor learning. <i>Science</i> , 2002 , 296, 2043-6	33.3	175
156	Resting state cortico-cerebellar functional connectivity networks: a comparison of anatomical and self-organizing map approaches. <i>Frontiers in Neuroanatomy</i> , 2012 , 6, 31	3.6	166
155	Feedforward and feedback processes in motor control. <i>NeuroImage</i> , 2004 , 22, 1775-83	7.9	163
154	Altered resting state cortico-striatal connectivity in mild to moderate stage Parkinson's disease. <i>Frontiers in Systems Neuroscience</i> , 2010 , 4, 143	3.5	145
153	Differential effects of age on sequence learning and sensorimotor adaptation. <i>Brain Research Bulletin</i> , 2006 , 70, 337-46	3.9	142
152	A spatial explicit strategy reduces error but interferes with sensorimotor adaptation. <i>Journal of Neurophysiology</i> , 2011 , 105, 2843-51	3.2	140
151	Visuospatial working memory capacity predicts the organization of acquired explicit motor sequences. <i>Journal of Neurophysiology</i> , 2009 , 101, 3116-25	3.2	120
150	Failure to engage spatial working memory contributes to age-related declines in visuomotor learning. <i>Journal of Cognitive Neuroscience</i> , 2011 , 23, 11-25	3.1	119
149	Neurocognitive contributions to motor skill learning: the role of working memory. <i>Journal of Motor Behavior</i> , 2012 , 44, 445-53	1.4	118
148	Changes in multi-joint performance with age. <i>Motor Control</i> , 2002 , 6, 19-31	1.3	118
147	Neural correlates of motor learning, transfer of learning, and learning to learn. <i>Exercise and Sport Sciences Reviews</i> , 2010 , 38, 3-9	6.7	109
146	Functional implications of age differences in motor system connectivity. <i>Frontiers in Systems Neuroscience</i> , 2010 , 4, 17	3.5	106
145	Bilateral basal ganglia activation associated with sensorimotor adaptation. <i>Experimental Brain Research</i> , 2006 , 175, 544-55	2.3	104

144	Moving forward: age effects on the cerebellum underlie cognitive and motor declines. <i>Neuroscience and Biobehavioral Reviews</i> , 2014 , 42, 193-207	9	99
143	Dopamine overdose hypothesis: evidence and clinical implications. <i>Movement Disorders</i> , 2013 , 28, 1920-9		98
142	Neural correlates of encoding and expression in implicit sequence learning. <i>Experimental Brain Research</i> , 2005 , 165, 114-24	2.3	98
141	Multiple motor learning experiences enhance motor adaptability. <i>Journal of Cognitive Neuroscience</i> , 2004 , 16, 65-73	3.1	92
140	Neuroanatomical correlates of motor acquisition and motor transfer. <i>Journal of Neurophysiology</i> , 2008 , 99, 1836-45	3.2	85
139	Age-related declines in visuospatial working memory correlate with deficits in explicit motor sequence learning. <i>Journal of Neurophysiology</i> , 2009 , 102, 2744-54	3.2	84
138	The effects of working memory resource depletion and training on sensorimotor adaptation. <i>Behavioural Brain Research</i> , 2012 , 228, 107-15	3.4	82
137	Relationships between regional cerebellar volume and sensorimotor and cognitive function in young and older adults. <i>Cerebellum</i> , 2013 , 12, 721-37	4.3	82
136	Fundamental differences in callosal structure, neurophysiologic function, and bimanual control in young and older adults. <i>Cerebral Cortex</i> , 2012 , 22, 2643-52	5.1	79
135	Neural correlates associated with intermanual transfer of sensorimotor adaptation. <i>Brain Research</i> , 2007 , 1185, 136-51	3.7	78
134	Differential callosal contributions to bimanual control in young and older adults. <i>Journal of Cognitive Neuroscience</i> , 2011 , 23, 2171-85	3.1	77
133	Changes in performance monitoring during sensorimotor adaptation. <i>Journal of Neurophysiology</i> , 2009 , 102, 1868-79	3.2	76
132	Evidence for motor cortex dedifferentiation in older adults. <i>Neurobiology of Aging</i> , 2012 , 33, 1890-9	5.6	75
131	Aging affects motor learning but not savings at transfer of learning. <i>Learning and Memory</i> , 2007 , 14, 17-21	2.8	75
130	Cerebellar contributions to visuomotor adaptation and motor sequence learning: an ALE meta-analysis. <i>Frontiers in Human Neuroscience</i> , 2013 , 7, 27	3.3	74
129	Brain structural plasticity with spaceflight. <i>Npj Microgravity</i> , 2016 , 2, 2	5.3	72
128	Bimanual coordination and aging: neurobehavioral implications. <i>Neuropsychologia</i> , 2010 , 48, 1165-70	3.2	69
127	Transcallosal sensorimotor fiber tract structure-function relationships. <i>Human Brain Mapping</i> , 2013 , 34, 384-95	5.9	68

126	Reduced Interhemispheric Functional Connectivity in the Motor Cortex during Rest in Limb-Onset Amyotrophic Lateral Sclerosis. <i>Frontiers in Systems Neuroscience</i> , 2010 , 4, 158	3.5	67
125	Spaceflight-Associated Brain White Matter Microstructural Changes and Intracranial Fluid Redistribution. <i>JAMA Neurology</i> , 2019 , 76, 412-419	17.2	65
124	Dissociable functional networks of the human dentate nucleus. <i>Cerebral Cortex</i> , 2014 , 24, 2151-9	5.1	64
123	Sensorimotor network segregation declines with age and is linked to GABA and to sensorimotor performance. <i>NeuroImage</i> , 2019 , 186, 234-244	7.9	64
122	Disrupted cortico-cerebellar connectivity in older adults. <i>NeuroImage</i> , 2013 , 83, 103-19	7.9	63
121	Effect of dopaminergic medications on the time course of explicit motor sequence learning in Parkinson's disease. <i>Journal of Neurophysiology</i> , 2010 , 103, 942-9	3.2	63
120	Associations between age, motor function, and resting state sensorimotor network connectivity in healthy older adults. <i>NeuroImage</i> , 2015 , 108, 47-59	7.9	61
119	L-DOPA changes spontaneous low-frequency BOLD signal oscillations in Parkinson's disease: a resting state fMRI study. <i>Frontiers in Systems Neuroscience</i> , 2012 , 6, 52	3.5	61
118	Working memory capacity correlates with implicit serial reaction time task performance. <i>Experimental Brain Research</i> , 2011 , 214, 73-81	2.3	56
117	Study protocol to examine the effects of spaceflight and a spaceflight analog on neurocognitive performance: extent, longevity, and neural bases. <i>BMC Neurology</i> , 2013 , 13, 205	3.1	55
116	Task-dependent effects of interhemispheric inhibition on motor control. <i>Behavioural Brain Research</i> , 2012 , 226, 211-7	3.4	52
115	Age differences in interhemispheric interactions: callosal structure, physiological function, and behavior. <i>Frontiers in Neuroscience</i> , 2011 , 5, 38	5.1	52
114	The size of corpus callosum correlates with functional activation of medial motor cortical areas in bimanual and unimanual movements. <i>Cerebral Cortex</i> , 2003 , 13, 475-85	5.1	51
113	Neurocognitive mechanisms of error-based motor learning. <i>Advances in Experimental Medicine and Biology</i> , 2013 , 782, 39-60	3.6	49
112	Brain plasticity and sensorimotor deterioration as a function of 70 days head down tilt bed rest. <i>PLoS ONE</i> , 2017 , 12, e0182236	3.7	47
111	The effects of short term balance training on the postural control of older adults. <i>Gait and Posture</i> , 1997 , 6, 224-236	2.6	47
110	Degree of handedness affects intermanual transfer of skill learning. <i>Experimental Brain Research</i> , 2008 , 190, 317-28	2.3	46
109	Older adults can learn to learn new motor skills. <i>Behavioural Brain Research</i> , 2007 , 183, 118-22	3.4	42

108	Structural and functional connectivity in healthy aging: Associations for cognition and motor behavior. <i>Human Brain Mapping</i> , 2016 , 37, 855-67	5.9	41
107	Multijoint movement control in Parkinson's disease. <i>Experimental Brain Research</i> , 2001 , 140, 335-44	2.3	41
106	Differential relationships between transcallosal structural and functional connectivity in young and older adults. <i>Neurobiology of Aging</i> , 2012 , 33, 2521-6	5.6	40
105	Context-dependent arm pointing adaptation. <i>Behavioural Brain Research</i> , 2001 , 119, 155-66	3.4	40
104	Effects of a spaceflight analog environment on brain connectivity and behavior. <i>NeuroImage</i> , 2016 , 141, 18-30	7.9	39
103	Handedness, dexterity, and motor cortical representations. <i>Journal of Neurophysiology</i> , 2011 , 105, 88-99	3.2	38
102	Reduction in Sensorimotor Control With Age. <i>Quest</i> , 1995 , 47, 386-394	2.2	38
101	Altered cerebellar connectivity in Parkinson's patients ON and OFF L-DOPA medication. <i>Frontiers in Human Neuroscience</i> , 2015 , 9, 214	3.3	37
100	Dissecting the clock: understanding the mechanisms of timing across tasks and temporal intervals. <i>Acta Psychologica</i> , 2011 , 136, 20-34	1.7	37
99	Selective impairments in implicit learning in Parkinson's disease. <i>Brain Research</i> , 2007 , 1137, 104-110	3.7	37
98	Subthalamic nucleus--sensorimotor cortex functional connectivity in de novo and moderate Parkinson's disease. <i>Neurobiology of Aging</i> , 2015 , 36, 462-9	5.6	34
97	Effects of long-term balance training with vibrotactile sensory augmentation among community-dwelling healthy older adults: a randomized preliminary study. <i>Journal of NeuroEngineering and Rehabilitation</i> , 2018 , 15, 5	5.3	34
96	Cerebellar gray and white matter volume and their relation with age and manual motor performance in healthy older adults. <i>Human Brain Mapping</i> , 2015 , 36, 2352-63	5.9	34
95	L-DOPA changes ventral striatum recruitment during motor sequence learning in Parkinson's disease. <i>Behavioural Brain Research</i> , 2012 , 230, 116-24	3.4	32
94	Association of COMT val158met and DRD2 G>T genetic polymorphisms with individual differences in motor learning and performance in female young adults. <i>Journal of Neurophysiology</i> , 2014 , 111, 628-40	3.2	31
93	Increased Brain Activation for Dual Tasking with 70-Days Head-Down Bed Rest. <i>Frontiers in Systems Neuroscience</i> , 2016 , 10, 71	3.5	31
92	Age differences in spatial working memory contributions to visuomotor adaptation and transfer. <i>Behavioural Brain Research</i> , 2011 , 225, 160-8	3.4	30
91	Head Down Tilt Bed Rest Plus Elevated CO as a Spaceflight Analog: Effects on Cognitive and Sensorimotor Performance. <i>Frontiers in Human Neuroscience</i> , 2019 , 13, 355	3.3	28

90	Exercise as potential countermeasure for the effects of 70 days of bed rest on cognitive and sensorimotor performance. <i>Frontiers in Systems Neuroscience</i> , 2015 , 9, 121	3.5	28
89	Neural distinctiveness declines with age in auditory cortex and is associated with auditory GABA levels. <i>NeuroImage</i> , 2019 , 201, 116033	7.9	27
88	Differential working memory correlates for implicit sequence performance in young and older adults. <i>Experimental Brain Research</i> , 2012 , 221, 467-77	2.3	27
87	Age differences in callosal contributions to cognitive processes. <i>Neuropsychologia</i> , 2011 , 49, 2564-9	3.2	27
86	Vestibular brain changes within 70 days of head down bed rest. <i>Human Brain Mapping</i> , 2018 , 39, 2753-2763	5.3	26
85	Individual predictors of sensorimotor adaptability. <i>Frontiers in Systems Neuroscience</i> , 2015 , 9, 100	3.5	26
84	Regional cerebellar volumetric correlates of manual motor and cognitive function. <i>Brain Structure and Function</i> , 2017 , 222, 1929-1944	4	25
83	Potential Mechanisms of Sensory Augmentation Systems on Human Balance Control. <i>Frontiers in Neurology</i> , 2018 , 9, 944	4.1	25
82	Patterns of transfer of adaptation among body segments. <i>Behavioural Brain Research</i> , 2001 , 122, 145-57	3.4	23
81	Longitudinal Analysis of Quantitative Brain MRI in Astronauts Following Microgravity Exposure. <i>Journal of Neuroimaging</i> , 2019 , 29, 323-330	2.8	23
80	Right prefrontal cortex transcranial direct current stimulation enhances multi-day savings in sensorimotor adaptation. <i>Journal of Neurophysiology</i> , 2017 , 117, 429-435	3.2	22
79	Sensorimotor Learning: Neurocognitive Mechanisms and Individual Differences. <i>Journal of NeuroEngineering and Rehabilitation</i> , 2017 , 14, 74	5.3	22
78	Symbolic representations in motor sequence learning. <i>NeuroImage</i> , 2011 , 54, 417-26	7.9	22
77	Neural Dedifferentiation across the Lifespan in the Motor and Somatosensory Systems. <i>Cerebral Cortex</i> , 2020 , 30, 3704-3716	5.1	21
76	Lifespan differences in cortico-striatal resting state connectivity. <i>Brain Connectivity</i> , 2014 , 4, 166-80	2.7	20
75	TMS-induced silent periods: A review of methods and call for consistency. <i>Journal of Neuroscience Methods</i> , 2020 , 346, 108950	3	20
74	Neural predictors of sensorimotor adaptation rate and savings. <i>Human Brain Mapping</i> , 2018 , 39, 1516-1530	3.0	18
73	Age differences in symbolic representations of motor sequence learning. <i>Neuroscience Letters</i> , 2011 , 504, 68-72	3.3	18

72	Impulsivity in Parkinson's Disease Is Associated With Alterations in Affective and Sensorimotor Striatal Networks. <i>Frontiers in Neurology</i> , 2018 , 9, 279	4.1	17
71	Intracranial Fluid Redistribution But No White Matter Microstructural Changes During a Spaceflight Analog. <i>Scientific Reports</i> , 2017 , 7, 3154	4.9	17
70	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
69	The pattern of striatal dopaminergic denervation explains sensorimotor synchronization accuracy in Parkinson's disease. <i>Behavioural Brain Research</i> , 2013 , 257, 100-10	3.4	16
68	Spatial and symbolic implicit sequence learning in young and older adults. <i>Experimental Brain Research</i> , 2010 , 201, 837-51	2.3	16
67	Interactive effects of age and multi-gene profile on motor learning and sensorimotor adaptation. <i>Neuropsychologia</i> , 2016 , 84, 222-34	3.2	15
66	Task-dependent interactions between dopamine D2 receptor polymorphisms and L-DOPA in patients with Parkinson's disease. <i>Behavioural Brain Research</i> , 2013 , 245, 128-36	3.4	15
65	Sequence learning in Parkinson's disease: Focusing on action dynamics and the role of dopaminergic medication. <i>Neuropsychologia</i> , 2016 , 93, 30-39	3.2	15
64	Change of cortical foot activation following 70 days of head-down bed rest. <i>Journal of Neurophysiology</i> , 2018 , 119, 2145-2152	3.2	14
63	Dopaminergic polymorphisms associated with medication responsiveness of gait in Parkinson's disease. <i>Parkinsonism and Related Disorders</i> , 2018 , 48, 54-60	3.6	13
62	Hand dominance and age have interactive effects on motor cortical representations. <i>PLoS ONE</i> , 2012 , 7, e45443	3.7	13
61	Neural Working Memory Changes During a Spaceflight Analog With Elevated Carbon Dioxide: A Pilot Study. <i>Frontiers in Systems Neuroscience</i> , 2020 , 14, 48	3.5	13
60	Towards understanding the effects of spaceflight on the brain. <i>Lancet Neurology</i> , 2020 , 19, 808	24.1	13
59	Microgravity effects on the human brain and behavior: Dysfunction and adaptive plasticity. <i>Neuroscience and Biobehavioral Reviews</i> , 2021 , 122, 176-189	9	13
58	Differential transfer processes in incremental visuomotor adaptation. <i>Motor Control</i> , 2005 , 9, 40-58	1.3	12
57	Neural correlates of multi-day learning and savings in sensorimotor adaptation. <i>Scientific Reports</i> , 2018 , 8, 14286	4.9	12
56	Neural Correlates of Vestibular Processing During a Spaceflight Analog With Elevated Carbon Dioxide (CO ₂): A Pilot Study. <i>Frontiers in Systems Neuroscience</i> , 2019 , 13, 80	3.5	11
55	Genetic markers of dopaminergic transmission predict performance for older males but not females. <i>Neurobiology of Aging</i> , 2018 , 66, 180.e11-180.e21	5.6	11

54	The neural bases of acquisitiveness: decisions to acquire and discard everyday goods differ across frames, items, and individuals. <i>Neuropsychologia</i> , 2012 , 50, 939-48	3.2	10
53	Functional Brain Activation in Response to a Clinical Vestibular Test Correlates with Balance. <i>Frontiers in Systems Neuroscience</i> , 2017 , 11, 11	3.5	10
52	Striatal denervation pattern predicts levodopa effects on sequence learning in Parkinson's disease. <i>Journal of Motor Behavior</i> , 2013 , 45, 423-9	1.4	10
51	A simple solution for model comparison in bold imaging: the special case of reward prediction error and reward outcomes. <i>Frontiers in Neuroscience</i> , 2013 , 7, 116	5.1	10
50	GABA levels in ventral visual cortex decline with age and are associated with neural distinctiveness. <i>Neurobiology of Aging</i> , 2021 , 102, 170-177	5.6	10
49	Brain connectivity and behavioral changes in a spaceflight analog environment with elevated CO ₂ . <i>NeuroImage</i> , 2021 , 225, 117450	7.9	10
48	Parkinsonian gait improves with bilateral subthalamic nucleus deep brain stimulation during cognitive multi-tasking. <i>Parkinsonism and Related Disorders</i> , 2017 , 38, 72-79	3.6	9
47	Michigan Neural Distinctiveness (MiND) study protocol: investigating the scope, causes, and consequences of age-related neural dedifferentiation. <i>BMC Neurology</i> , 2019 , 19, 61	3.1	9
46	Network segregation varies with neural distinctiveness in sensorimotor cortex. <i>NeuroImage</i> , 2020 , 212, 116663	7.9	9
45	Trunk-assisted prehension: specification of body segments with imposed temporal constraints. <i>Journal of Motor Behavior</i> , 2000 , 32, 379-89	1.4	8
44	Growth Hormone Alters Brain Morphometry, Connectivity, and Behavior in Subjects with Fatigue after Mild Traumatic Brain Injury. <i>Journal of Neurotrauma</i> , 2020 , 37, 1052-1066	5.4	8
43	Brain and Behavioral Evidence for Reweighting of Vestibular Inputs with Long-Duration Spaceflight. <i>Cerebral Cortex</i> , 2021 ,	5.1	8
42	Deactivation of somatosensory and visual cortices during vestibular stimulation is associated with older age and poorer balance. <i>PLoS ONE</i> , 2019 , 14, e0221954	3.7	7
41	Late effects of adjuvant chemotherapy for breast cancer on fine motor function. <i>Psycho-Oncology</i> , 2015 , 24, 1799-807	3.9	6
40	Differential effects of left and right prefrontal cortex anodal transcranial direct current stimulation during probabilistic sequence learning. <i>Journal of Neurophysiology</i> , 2019 , 121, 1906-1916	3.2	5
39	Multimodal Imaging of Brain Activity to Investigate Walking and Mobility Decline in Older Adults (Mind in Motion Study): Hypothesis, Theory, and Methods. <i>Frontiers in Aging Neuroscience</i> , 2019 , 11, 358	5.3	5
38	Multimodal neuroimaging and behavioral assessment of Lysine polymorphism rs356219 in older adults. <i>Neurobiology of Aging</i> , 2018 , 66, 32-39	5.6	5
37	Multi-day Adaptation and Savings in Manual and Locomotor Tasks. <i>Journal of Motor Behavior</i> , 2018 , 50, 517-527	1.4	5

36	Mood induction effects on motor sequence learning and stop signal reaction time. <i>Experimental Brain Research</i> , 2017 , 235, 41-56	2.3	5
35	Physical activity is related to timing performance in older adults. <i>Aging, Neuropsychology, and Cognition</i> , 2013 , 20, 356-69	2.1	5
34	The Effects of Long Duration Spaceflight on Sensorimotor Control and Cognition. <i>Frontiers in Neural Circuits</i> , 2021 , 15, 723504	3.5	5
33	In Vivo Brain Glutathione is Higher in Older Age and Correlates with Mobility. <i>Cerebral Cortex</i> , 2021 , 31, 4576-4594	5.1	5
32	Visuomotor Adaptation Brain Changes During a Spaceflight Analog With Elevated Carbon Dioxide (CO): A Pilot Study. <i>Frontiers in Neural Circuits</i> , 2021 , 15, 659557	3.5	5
31	Exercise effects on bed rest-induced brain changes. <i>PLoS ONE</i> , 2018 , 13, e0205515	3.7	5
30	Emotion and reward are dissociable from error during motor learning. <i>Experimental Brain Research</i> , 2016 , 234, 1385-94	2.3	4
29	Age-Related Reductions in Tactile and Motor Inhibitory Function Start Early but Are Independent. <i>Frontiers in Aging Neuroscience</i> , 2019 , 11, 193	5.3	4
28	Obstacle Negotiation in Older Adults: Prefrontal Activation Interpreted Through Conceptual Models of Brain Aging. <i>Innovation in Aging</i> , 2020 , 4, igaa034	0.1	4
27	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
26	Mechanismen altersassoziierter Abnahmen im motorischen Lernprozess. <i>Zeitschrift Fur Sportpsychologie</i> , 2013 , 20, 18-24	0.3	3
25	Ophthalmic changes in a spaceflight analog are associated with brain functional reorganization. <i>Human Brain Mapping</i> , 2021 , 42, 4281-4297	5.9	3
24	Effects of Spaceflight Stressors on Brain Volume, Microstructure, and Intracranial Fluid Distribution. <i>Cerebral Cortex Communications</i> , 2021 , 2, tgab022	1.9	3
23	Head-Down-Tilt Bed Rest With Elevated CO: Effects of a Pilot Spaceflight Analog on Neural Function and Performance During a Cognitive-Motor Dual Task. <i>Frontiers in Physiology</i> , 2021 , 12, 654906 ^{4.6}	4.6	3
22	Brain activity during walking in older adults: Implications for compensatory versus dysfunctional accounts. <i>Neurobiology of Aging</i> , 2021 , 105, 349-364	5.6	3
21	Multi-session Transcranial Direct Current Stimulation Over Primary Motor Cortex Facilitates Sequence Learning, Chunking, and One Year Retention. <i>Frontiers in Human Neuroscience</i> , 2020 , 14, 75	3.3	2
20	Age Differences in Vestibular Brain Connectivity Are Associated With Balance Performance. <i>Frontiers in Aging Neuroscience</i> , 2020 , 12, 566331	5.3	2
19	The effects of a spaceflight analog with elevated CO on sensorimotor adaptation. <i>Journal of Neurophysiology</i> , 2021 , 125, 426-436	3.2	2

18	Longitudinal MRI-visible perivascular space (PVS) changes with long-duration spaceflight.. <i>Scientific Reports</i> , 2022 , 12, 7238	4.9	2
17	Sensory and Sensorimotor Changes with Spaceflight: Implications for Functional Performance 2017 , 225-251		1
16	The effect of haptic cues on motor and perceptual based implicit sequence learning. <i>Frontiers in Human Neuroscience</i> , 2014 , 8, 130	3.3	1
15	Motor Skill Learning 2013 ,		1
14	Introduction to the special topic: a multidisciplinary approach to motor learning and sensorimotor adaptation. <i>Frontiers in Human Neuroscience</i> , 2013 , 7, 543	3.3	1
13	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
12	Age differences in adaptation of medial-lateral gait parameters during split-belt treadmill walking. <i>Scientific Reports</i> , 2021 , 11, 21148	4.9	1
11	Anodal Transcranial Direct Current Stimulation Over Prefrontal Cortex Slows Sequence Learning in Older Adults.. <i>Frontiers in Human Neuroscience</i> , 2022 , 16, 814204	3.3	1
10	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
9	Fractional Anisotropy in Selected, Motor-Related White Matter Tracts and Its Cross-Sectional and Longitudinal Associations With Motor Function in Healthy Older Adults. <i>Frontiers in Human Neuroscience</i> , 2021 , 15, 621263	3.3	0
8	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
7	Cortical thickness of primary motor and vestibular brain regions predicts recovery from fall and balance directly after spaceflight.. <i>Brain Structure and Function</i> , 2022 , 1	4	0
6	Kinematic analysis of speed transitions within walking in younger and older adults.. <i>Journal of Biomechanics</i> , 2022 , 138, 111130	2.9	0
5	Neuroplasticity in middle age: an ecologically valid approach. <i>Frontiers in Human Neuroscience</i> , 2012 , 6, 324	3.3	
4	Encyclopedia of Bioastronautics 2019 , 1-5		
3	Sensorimotor Adaptation, Including SMS 2020 , 1-5		
2	Behavioural profile effect of forestry machine operators in the learning process. <i>Journal of Forest Science</i> , 2019 , 65, 144-149	0.9	
1	Sensorimotor Adaptation, Including SMS 2021 , 197-203		

