Jolien Gooijers

List of Publications by Year in descending order

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28 papers	1,067 citations	516710 16 h-index	501196 28 g-index
28 all docs	28 docs citations	28 times ranked	1382 citing authors

#	Article	IF	Citations
1	Altered structural networks and executive deficits in traumatic brain injury patients. Brain Structure and Function, 2014, 219, 193-209.	2.3	143
2	Interactions between brain structure and behavior: The corpus callosum and bimanual coordination. Neuroscience and Biobehavioral Reviews, 2014, 43, 1-19.	6.1	126
3	Two hands, one brain, and aging. Neuroscience and Biobehavioral Reviews, 2017, 75, 234-256.	6.1	94
4	Age-Related Changes in Frontal Network Structural and Functional Connectivity in Relation to Bimanual Movement Control. Journal of Neuroscience, 2016, 36, 1808-1822.	3.6	75
5	Bimanual motor deficits in older adults predicted by diffusion tensor imaging metrics of corpus callosum subregions. Brain Structure and Function, 2015, 220, 273-290.	2.3	64
6	Bimanual Coordination and Corpus Callosum Microstructure in Young Adults with Traumatic Brain Injury: A Diffusion Tensor Imaging Study. Journal of Neurotrauma, 2011, 28, 897-913.	3.4	58
7	Diffusion tensor imaging metrics of the corpus callosum in relation to bimanual coordination: Effect of task complexity and sensory feedback. Human Brain Mapping, 2013, 34, 241-252.	3.6	57
8	Microstructural organization of corpus callosum projections to prefrontal cortex predicts bimanual motor learning. Learning and Memory, 2012, 19, 351-357.	1.3	51
9	Testing Multiple Coordination Constraints with a Novel Bimanual Visuomotor Task. PLoS ONE, 2011, 6, e23619.	2.5	46
10	Reduced Neural Differentiation Between Feedback Conditions After Bimanual Coordination Training with and without Augmented Visual Feedback. Cerebral Cortex, 2015, 25, 1958-1969.	2.9	42
11	Subcortical Volume Loss in the Thalamus, Putamen, and Pallidum, Induced by Traumatic Brain Injury, Is Associated With Motor Performance Deficits. Neurorehabilitation and Neural Repair, 2016, 30, 603-614.	2.9	39
12	Relative cortico-subcortical shift in brain activity but preserved training-induced neural modulation in older adults during bimanual motor learning. Neurobiology of Aging, 2017, 58, 54-67.	3.1	37
13	Brain Structural and Functional Connectivity: A Review of Combined Works of Diffusion Magnetic Resonance Imaging and Electro-Encephalography. Frontiers in Human Neuroscience, 2021, 15, 721206.	2.0	33
14	Enhanced prefrontal functionalâ€“structural networks to support postural control deficits after traumatic brain injury in a pediatric population. Network Neuroscience, 2017, 1, 116-142.	2.6	32
15	Challenge to Promote Change: The Neural Basis of the Contextual Interference Effect in Young and Older Adults. Journal of Neuroscience, 2018, 38, 3333-3345.	3.6	22
16	Movement preparation and execution: differential functional activation patterns after traumatic brain injury. Brain, 2016, 139, 2469-2485.	7.6	18
17	White matter organization in relation to upper limb motor control in healthy subjects: exploring the added value of diffusion kurtosis imaging. Brain Structure and Function, 2014, 219, 1627-1638.	2.3	17
18	Fiber-specific variations in anterior transcallosal white matter structure contribute to age-related differences in motor performance. NeuroImage, 2020, 209, 116530.	4.2	17

#	Article	IF	Citations
19	A combined diffusionâ€weighted and electroencephalography study on ageâ€related differences in connectivity in the motor network during bimanual performance. Human Brain Mapping, 2019, 40, 1799-1813.	3.6	16
20	GABA levels are differentially associated with bimanual motor performance in older as compared to young adults. NeuroImage, 2021, 231, 117871.	4.2	16
21	Different neural substrates for precision stepping and fast online step adjustments in youth. Brain Structure and Function, 2018, 223, 2039-2053.	2.3	15
22	White matter characteristics of motor, sensory and interhemispheric tracts underlying impaired upper limb function in children with unilateral cerebral palsy. Brain Structure and Function, 2020, 225, 1495-1509.	2.3	15
23	White matter microstructural organisation of interhemispheric pathways predicts different stages of bimanual coordination learning in young and older adults. European Journal of Neuroscience, 2018, 47, 446-459.	2.6	9
24	Reduced Modulation of Task-Related Connectivity Mediates Age-Related Declines in Bimanual Performance. Cerebral Cortex, 2020, 30, 4346-4360.	2.9	8
25	Neural predictors of motor control and impact of visuoâ€proprioceptive information in youth. Human Brain Mapping, 2017, 38, 5628-5647.	3.6	6
26	The role of the PMd in task complexity: functional connectivity is modulated by motor learning and age. Neurobiology of Aging, 2020, 92, 12-27.	3.1	6
27	Representational similarity scores of digits in the sensorimotor cortex are associated with behavioral performance. Cerebral Cortex, 2022, 32, 3848-3863.	2.9	3
28	Task-Related Modulation of Sensorimotor GABA+ Levels in Association with Brain Activity and Motor Performance: A Multimodal MRSâ€“fMRI Study in Young and Older Adults. Journal of Neuroscience, 2022, 42, 1119-1130.	3.6	2