Cheol E Han

List of Publications by Year
in descending order

36 papers	1,440 citations	471509 17 h-index	377865 34 g-index
40 all docs	40 docs citations	40 times ranked	2342 citing authors

#	Article	IF	Citations
1	Motor Learning Without Doing: Trial-by-Trial Improvement in Motor Performance During Mental Training. Journal of Neurophysiology, 2010, 104, 774-783.	1.8	183
2	Stroke Rehabilitation Reaches a Threshold. PLoS Computational Biology, 2008, 4, e1000133.	3.2	131
3	Preferential Detachment During Human Brain Development: Age- and Sex-Specific Structural Connectivity in Diffusion Tensor Imaging (DTI) Data. Cerebral Cortex, 2015, 25, 1477-1489.	2.9	110
4	A Functional Threshold for Long-Term Use of Hand and Arm Function Can Be Determined: Predictions From a Computational Model and Supporting Data From the Extremity Constraint-Induced Therapy Evaluation (EXCITE) Trial. Physical Therapy, 2009, 89, 1327-1336.	2.4	99
5	Adolescent Brain Maturation and Cortical Folding: Evidence for Reductions in Gyrification. PLoS ONE, 2014, 9, e84914.	2.5	97
6	Reduced orbitofrontal-thalamic functional connectivity related to suicidal ideation in patients with major depressive disorder. Scientific Reports, 2017, 7, 15772.	3.3	83
7	Predicting Surgery Targets in Temporal Lobe Epilepsy through Structural Connectome Based Simulations. PLoS Computational Biology, 2015, 11, e1004642.	3.2	80
8	Humans Can Adopt Optimal Discounting Strategy under Real-Time Constraints. PLoS Computational Biology, 2006, 2, e152.	3.2	70
9	Use It and Improve It or Lose It: Interactions between Arm Function and Use in Humans Post-stroke. PLoS Computational Biology, 2012, 8, e1002343.	3.2	67
10	Robust Identification of Alzheimerâ€™s Disease subtypes based on cortical atrophy patterns. Scientific Reports, 2017, 7, 43270.	3.3	65
11	Quantifying Arm Nonuse in Individuals Poststroke. Neurorehabilitation and Neural Repair, 2013, 27, 439-447.	2.9	59
12	The role of chaotic resonance in cerebellar learning. Neural Networks, 2010, 23, 836-842.	5.9	48
13	Structural connectivity changes in temporal lobe epilepsy: Spatial features contribute more than topological measures. NeuroImage: Clinical, 2015, 8, 322-328.	2.7	47
14	A Network Flow-based Analysis of Cognitive Reserve in Normal Ageing and Alzheimerâ€™s Disease. Scientific Reports, 2015, 5, 10057.	3.3	43
15	Cluster-Based Statistics for Brain Connectivity in Correlation with Behavioral Measures. PLoS ONE, 2013, 8, e72332.	2.5	43
16	White Matter Network Disruption and Cognitive Dysfunction in Neuromyelitis Optica Spectrum Disorder. Frontiers in Neurology, 2018, 9, 1104.	2.4	30
17	Integrating Temporal and Spatial Scales: Human Structural Network Motifs Across Age and Region of Interest Size. Frontiers in Neuroinformatics, 2011, 5, 10.	2.5	22
18	Distinct Patterns of Rich Club Organization in Alzheimerâ€™s Disease and Subcortical Vascular Dementia: A White Matter Network Study. Journal of Alzheimer's Disease, 2018, 63, 977-987.	2.6	17

#	Article	IF	Citations
19	Diffusion tensor imaging reveals abnormal brain networks in elderly subjects with subjective cognitive deficits. Neurological Sciences, 2019, 40, 2333-2342.	1.9	16
20	Overconnectivity of the right Heschl's and inferior temporal gyrus correlates with symptom severity in preschoolers with autism spectrum disorder. Autism Research, 2021, 14, 2314-2329.	3.8	15
21	Comparison of neurodegenerative types using different brain MRI analysis metrics in older adults with normal cognition, mild cognitive impairment, and Alzheimerâ€™s dementia. PLoS ONE, 2019, 14, e0220739.	2.5	14
22	Cerebral amyloid accumulation is associated with distinct structural and functional alterations in the brain of depressed elders with mild cognitive impairment. Journal of Affective Disorders, 2021, 281, 459-466.	4.1	14
23	Predicting age across human lifespan based on structural connectivity from diffusion tensor imaging. , 2014, , .		12
24	Tract-Specific Correlates of Neuropsychological Deficits in Patients with Subcortical Vascular Cognitive Impairment. Journal of Alzheimer's Disease, 2016, 50, 1125-1135.	2.6	11
25	Measuring Habitual Arm Use Post-stroke With a Bilateral Time-Constrained Reaching Task. Frontiers in Neurology, 2018, 9, 883.	2.4	10
26	Effort, success, and side of lesion determine arm choice in individuals with chronic stroke. Journal of Neurophysiology, 2022, 127, 255-266.	1.8	10
27	Computational modelling of the long-term effects of brain stimulation on the local and global structural connectivity of epileptic patients. PLoS ONE, 2020, 15, e0221380.	2.5	9
28	Feasibility study of immersive virtual prism adaptation therapy with depth-sensing camera using functional near-infrared spectroscopy in healthy adults. Scientific Reports, 2022, 12, 767.	3.3	9
29	Decreased Cortical Thickness and Local Gyrification in Individuals with Subjective Cognitive Impairment. Clinical Psychopharmacology and Neuroscience, 2021, 19, 640-652.	2.0	6
30	Abnormal Connectional Fingerprint in Schizophrenia: A Novel Network Analysis of Diffusion Tensor Imaging Data. Frontiers in Psychiatry, 2016, 7, 114.	2.6	5
31	Towards simulations of long-term behavior of neural networks: Modeling synaptic plasticity of connections within and between human brain regions. Neurocomputing, 2020, 416, 38-44.	5.9	5
32	Neural substrates of subcortical aphasia in subacute stroke: Voxel-based lesion symptom mapping study. Journal of the Neurological Sciences, 2021, 420, 117266.	0.6	4
33	Brain network analysis reveals that amyloidopathy affects comorbid cognitive dysfunction in older adults with depression. Scientific Reports, 2021, 11, 4299.	3.3	3
34	Brain amyloid accumulation possibly exacerbates concurrent mild cognitive impairment with subthreshold depression in older adults: A 1-year follow-up study. Journal of Affective Disorders, 2021, 295, 93-100.	4.1	2
35	Disrupted structural network of inferomedial temporal regions in relapsingâ€“remitting multiple sclerosis compared with neuromyelitis optica spectrum disorder. Scientific Reports, 2022, 12, 5152.	3.3	1
36	The effects of cerebral amyloidopathy on regional glucose metabolism in older adults with depression and mild cognitive impairment while performing memory tasks. European Journal of Neuroscience, 2021, 54, 6663-6672.	2.6	0