Agnes FlÃ¶el

List of Publications by Year
in descending order

110 papers	6,147 citations	76196 40 h-index	76769 74 g-index
119 all docs	119 docs citations	119 times ranked	7590 citing authors

#	Article	IF	Citations
1	Brain simulation as a cloud service: The Virtual Brain on EBRAINS. NeuroImage, 2022, 251, 118973.	2.1	42
2	Randomized trial of cognitive training and brain stimulation in nonâ€demented older adults. Alzheimer's and Dementia: Translational Research and Clinical Interventions, 2022, 8, e12262.	1.8	13
3	The prevalence of apraxia of speech in chronic aphasia after stroke: A bayesian hierarchical analysis. Cortex, 2022, 151, 15-29.	1.1	10
4	Neuromodulation through brain stimulation-assisted cognitive training in patients with post-COVID-19 cognitive impairment (Neuromod-COV): study protocol for a PROBE phase IIb trial. BMJ Open, 2022, 12, e055038.	0.8	6
5	Non-invasive brain stimulation and neuroenhancement. Clinical Neurophysiology Practice, 2022, 7, 146-165.	0.6	51
6	Effects of Spermidine Supplementation on Cognition and Biomarkers in Older Adults With Subjective Cognitive Decline. JAMA Network Open, 2022, 5, e2213875.	2.8	17
7	Feasibility of Cognitive Training in Combination With Transcranial Direct Current Stimulation in a Home-Based Context (TrainStim-Home): study protocol for a randomised controlled trial. BMJ Open, 2022, 12, e059943.	0.8	1
8	Inter-individual and age-dependent variability in simulated electric fields induced by conventional transcranial electrical stimulation. NeuroImage, 2021, 224, 117413.	2.1	56
9	Memory-relevant nap sleep physiology in healthy and pathological aging. Sleep, 2021, 44, .	0.6	14
10	Impact of COMT val158met on tDCS-induced cognitive enhancement in older adults. Behavioural Brain Research, 2021, 401, 113081.	1.2	9
11	Magnetic resonance imaging-based changes in vascular morphology and cerebral perfusion in subacute ischemic stroke. Journal of Cerebral Blood Flow and Metabolism, 2021, 41, 2617-2627.	2.4	5
12	Physical Fitness Training in Patients with Subacute Stroke (PHYS-STROKE): Safety analyses of a randomized clinical trial. International Journal of Stroke, 2021, , 174749302110062.	2.9	2
13	Elevated Serum Inflammatory Markers in Subacute Stroke Are Associated With Clinical Outcome but Not Modified by Aerobic Fitness Training: Results of the Randomized Controlled PHYS-STROKE Trial. Frontiers in Neurology, 2021, 12, 713018.	1.1	6
14	Effects of bariatric surgery on functional connectivity of the reward and default mode network: A preâ€registered analysis. Human Brain Mapping, 2021, 42, 5357-5373.	1.9	7
15	Estimation of individually induced e-field strength during transcranial electric stimulation using the head circumference. Brain Stimulation, 2021, 14, 1055-1058.	0.7	16
16	Evolution of Blood-Brain Barrier Permeability in Subacute Ischemic Stroke and Associations With Serum Biomarkers and Functional Outcome. Frontiers in Neurology, 2021, 12, 730923.	1.1	14
17	The Dynamic of Extracellular Vesicles in Patients With Subacute Stroke: Results of the â€œBiomarkers and Perfusionâ€”Training-Induced Changes After Strokeâ€•(BAPTISe) Study. Frontiers in Neurology, 2021, 12, 731013.	1.1	6
18	Spermidine supplementation and diffusion weighted imaging in subjective cognitive decline. Alzheimer's and Dementia, 2021, 17, .	0.4	0

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19	More than a memory test: A new metric linking blocks, numbers, and words. Alzheimer's and Dementia, 2021, 17, .	0.4	2
20	Bariatric Surgery and Brain Healthâ€"A Longitudinal Observational Study Investigating the Effect of Surgery on Cognitive Function and Gray Matter Volume. Nutrients, 2020, 12, 127.	1.7	25
21	Stimulating aged brains with transcranial direct current stimulation: Opportunities and challenges. Psychiatry Research - Neuroimaging, 2020, 306, 111179.	0.9	21
22	Cognitive training and brain stimulation in prodromal Alzheimerâ€™s disease (AD-Stim)â€"study protocol for a double-blind randomized controlled phase IIb (monocenter) trial. Alzheimer's Research and Therapy, 2020, 12, 142.	3.0	13
23	Consensus-Based Core Set of Outcome Measures for Clinical Motor Rehabilitation After Strokeâ€"A Delphi Study. Frontiers in Neurology, 2020, 11, 875.	1.1	54
24	Beneficial effects of cerebellar tDCS on motor learning are associated with altered putamen-cerebellar connectivity: A simultaneous tDCS-fMRI study. NeuroImage, 2020, 223, 117363.	2.1	32
25	Restingâ€state functional connectivity modulation through a combined a TDCSâ€visuospatial training on objectâ€location memory in healthy older adults and patients with mild cognitive impairment. Alzheimer's and Dementia, 2020, 16, e037850.	0.4	0
26	Association of cognitive performance and psychological traits with diffusionâ€weighted tract metrics in older adults with subjective cognitive decline and mild cognitive impairment. Alzheimer's and Dementia, 2020, 16, e043321.	0.4	0
27	Severity of subjective cognitive complaints and worries in older adults are associated with cerebral amyloidâ€Î² load. Alzheimer's and Dementia, 2020, 16, e046098.	0.4	0
28	Regional cerebral perfusion alterations in subjective cognitive decline measured by arterial spin labeling MRI. Alzheimer's and Dementia, 2020, 16, e046351.	0.4	0
29	A Peptide Link Between Human Cytomegalovirus Infection, Neuronal Migration, and Psychosis. Frontiers in Psychiatry, 2020, 11, 349.	1.3	4
30	Spermidine intake is associated with cortical thickness and hippocampal volume in older adults. NeuroImage, 2020, 221, 117132.	2.1	28
31	Molecular mimicry between SARS-CoV-2 and respiratory pacemaker neurons. Autoimmunity Reviews, 2020, 19, 102556.	2.5	87
32	Weight loss reduces head motion: Revisiting a major confound in neuroimaging. Human Brain Mapping, 2020, 41, 2490-2494.	1.9	26
33	Dentate Gyrus Volume Mediates the Effect of Fornix Microstructure on Memory Formation in Older Adults. Frontiers in Aging Neuroscience, 2020, 12, 79.	1.7	14
34	Evaluating Mechanisms of Postoperative Delirium and Cognitive Dysfunction Following Elective Spine Surgery in Elderly Patients (CONFESS): Protocol for a Prospective Observational Trial. JMIR Research Protocols, 2020, 9, e15488.	0.5	8
35	Effects of a Multi-Session Cognitive Training Combined With Brain Stimulation (TrainStim-Cog) on Age-Associated Cognitive Decline â€“ Study Protocol for a Randomized Controlled Phase IIb (Monocenter) Trial. Frontiers in Aging Neuroscience, 2019, 11, 200.	1.7	14
36	Physical Fitness Training in Patients with Subacute Stroke (PHYS-STROKE): multicentre, randomised controlled, endpoint blinded trial. BMJ: British Medical Journal, 2019, 366, l5101.	2.4	43

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37	Cross-Reactivity as a Mechanism Linking Infections to Stroke. Frontiers in Neurology, 2019, 10, 469.	1.1	15
38	Effects of spermidine supplementation on cognition and biomarkers in older adults with subjective cognitive decline (SmartAge)â€"study protocol for a randomized controlled trial. Alzheimer's Research and Therapy, 2019, 11, 36.	3.0	74
39	Towards precise brain stimulation: Is electric field simulation related to neuromodulation?. Brain Stimulation, 2019, 12, 1159-1168.	0.7	99
40	tDCS-induced episodic memory enhancement and its association with functional network coupling in older adults. Scientific Reports, 2019, 9, 2273.	1.6	48
41	Using resting-state fMRI to assess the effect of aerobic exercise on functional connectivity of the DLPFC in older overweight adults. Brain and Cognition, 2019, 131, 34-44.	0.8	35
42	VEGF and GLUT1 are highly heritable, inversely correlated and affected by dietary fat intake: Consequences for cognitive function in humans. Molecular Metabolism, 2018, 11, 129-136.	3.0	49
43	Age-dependent effects of brain stimulation on network centrality. NeuroImage, 2018, 176, 71-82.	2.1	48
44	Combining viscoelasticity, diffusivity and volume of the hippocampus for the diagnosis of Alzheimer's disease based on magnetic resonance imaging. NeuroImage: Clinical, 2018, 18, 485-493.	1.4	69
45	Neural correlates of grammatical inflection in older native and second-language speakers. Bilingualism, 2018, 21, 1-12.	1.0	23
46	Neuronal and behavioral effects of multi-day brain stimulation and memory training. Neurobiology of Aging, 2018, 61, 245-254.	1.5	65
47	Modulation of dual-task control with right prefrontal transcranial direct current stimulation (tDCS). Experimental Brain Research, 2018, 236, 227-241.	0.7	15
48	Role of Sensorimotor Cortex in Gestural-Verbal Integration. Frontiers in Human Neuroscience, 2018, 12, 482.	1.0	2
49	The effect of spermidine on memory performance in older adults at risk for dementia: A randomized controlled trial. Cortex, 2018, 109, 181-188.	1.1	98
50	Multimodal Assessment of Recurrent mTBI across the Lifespan. Journal of Clinical Medicine, 2018, 7, 95.	1.0	6
51	Caloric Restriction in Older Adultsâ€"Differential Effects of Weight Loss and Reduced Weight on Brain Structure and Function. Cerebral Cortex, 2017, 27, bhw008.	1.6	80
52	Divergent regional patterns of cerebral hypoperfusion and gray matter atrophy in mild cognitive impairment patients. Journal of Cerebral Blood Flow and Metabolism, 2017, 37, 814-824.	2.4	35
53	No Effect of Anodal Transcranial Direct Current Stimulation on Gamma-Aminobutyric Acid Levels in Patients with Recurrent Mild Traumatic Brain Injury. Journal of Neurotrauma, 2017, 34, 281-290.	1.7	32
54	Intensive speech and language therapy in patients with chronic aphasia after stroke: a randomised, open-label, blinded-endpoint, controlled trial in a health-care setting. Lancet, The, 2017, 389, 1528-1538.	6.3	259

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55	Promoting Sleep Oscillations and Their Functional Coupling by Transcranial Stimulation Enhances Memory Consolidation in Mild Cognitive Impairment. Journal of Neuroscience, 2017, 37, 7111-7124.	1.7	180
56	tDCS-Induced Modulation of GABA Levels and Resting-State Functional Connectivity in Older Adults. Journal of Neuroscience, 2017, 37, 4065-4073.	1.7	109
57	Effects of Anodal Transcranial Direct Current Stimulation and Serotonergic Enhancement on Memory Performance in Young and Older Adults. Neuropsychopharmacology, 2017, 42, 551-561.	2.8	24
58	No Effects of Non-invasive Brain Stimulation on Multiple Sessions of Object-Location-Memory Training in Healthy Older Adults. Frontiers in Neuroscience, 2017, 11, 746.	1.4	17
59	Effects of Transcranial Alternating Current Stimulation on Cognitive Functions in Healthy Young and Older Adults. Neural Plasticity, 2016, 2016, 1-13.	1.0	63
60	Hippocampal Pathway Plasticity Is Associated with the Ability to Form Novel Memories in Older Adults. Frontiers in Aging Neuroscience, 2016, 8, 61.	1.7	25
61	Brain stimulation during an afternoon nap boosts slow oscillatory activity and memory consolidation in older adults. NeuroImage, 2016, 142, 311-323.	2.1	72
62	Impact of Omega-3 Fatty Acid Supplementation on Memory Functions in Healthy Older Adults. Journal of Alzheimer's Disease, 2016, 51, 713-725.	1.2	106
63	Can transcranial direct current stimulation counteract age-associated functional impairment?. Neuroscience and Biobehavioral Reviews, 2016, 65, 157-172.	2.9	82
64	Boosting Slow Oscillatory Activity Using tDCS during Early Nocturnal Slow Wave Sleep Does Not Improve Memory Consolidation in Healthy Older Adults. Brain Stimulation, 2016, 9, 730-739.	0.7	57
65	Altered paired associative stimulationâ€induced plasticity in NMDAR encephalitis. Annals of Clinical and Translational Neurology, 2016, 3, 101-113.	1.7	12
66	Impact of leptin on memory function and hippocampal structure in mild cognitive impairment. Human Brain Mapping, 2016, 37, 4539-4549.	1.9	21
67	Electrical stimulation of the motor cortex enhances treatment outcome in post-stroke aphasia. Brain, 2016, 139, 1152-1163.	3.7	162
68	Impact of KIBRA Polymorphism on Memory Function and the Hippocampus in Older Adults. Neuropsychopharmacology, 2016, 41, 781-790.	2.8	32
69	Modulation of Executive Control in the Task Switching Paradigm With Transcranial Direct Current Stimulation (tDCS). Journal of Psychophysiology, 2016, 30, 55-65.	0.3	13
70	Effects of Different Analysis Strategies on Paired Associative Stimulation. A Pooled Data Analysis from Three Research Labs. PLoS ONE, 2016, 11, e0154880.	1.1	37
71	cSPider â€“ Evaluation of a Free and Open-Source Automated Tool to Analyze Corticomotor Silent Period. PLoS ONE, 2016, 11, e0156066.	1.1	3
72	Potentials and limits to enhance cognitive functions in healthy and pathological aging by tDCS. Frontiers in Cellular Neuroscience, 2015, 9, 355.	1.8	70

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73	Cognitive function and brain structure after recurrent mild traumatic brain injuries in young-to-middle-aged adults. Frontiers in Human Neuroscience, 2015, 9, 228.	1.0	47
74	Modulation of Gestural-verbal Semantic Integration by tDCS. Brain Stimulation, 2015, 8, 493-498.	0.7	14
75	Modulation of executive control in dual tasks with transcranial direct current stimulation (tDCS). Neuropsychologia, 2015, 68, 8-20.	0.7	30
76	L-dopa does not add to the success of high-intensity language training in aphasia. Restorative Neurology and Neuroscience, 2015, 33, 115-120.	0.4	23
77	Transcranial direct current stimulation in mild cognitive impairment: Behavioral effects and neural mechanisms. Alzheimer's and Dementia, 2015, 11, 1032-1040.	0.4	155
78	Cerebral Autoregulation and Brain Networks in Occlusive Processes of the Internal Carotid Artery. Journal of Cerebral Blood Flow and Metabolism, 2015, 35, 240-247.	2.4	24
79	Transcranial direct current stimulation of the primary motor cortex improves word-retrieval in older adults. Frontiers in Aging Neuroscience, 2014, 6, 253.	1.7	68
80	Long-Chain Omega-3 Fatty Acids Improve Brain Function and Structure in Older Adults. Cerebral Cortex, 2014, 24, 3059-3068.	1.6	249
81	Physical fitness training in Subacute Stroke (PHYS-STROKE) - study protocol for a randomised controlled trial. Trials, 2014, 15, 45.	0.7	18
82	An object location memory paradigm for older adults with and without mild cognitive impairment. Journal of Neuroscience Methods, 2014, 237, 16-25.	1.3	13
83	Effects of Resveratrol on Memory Performance, Hippocampal Functional Connectivity, and Glucose Metabolism in Healthy Older Adults. Journal of Neuroscience, 2014, 34, 7862-7870.	1.7	361
84	Cortical Reorganization Due to Impaired Cerebral Autoregulation in Individuals With Occlusive Processes of the Internal Carotid Artery. Brain Stimulation, 2014, 7, 381-387.	0.7	11
85	Transcranial Direct Current Stimulation and Simultaneous Functional Magnetic Resonance Imaging. Journal of Visualized Experiments, 2014, , .	0.2	41
86	Anodal Transcranial Direct Current Stimulation Temporarily Reverses Age-Associated Cognitive Decline and Functional Brain Activity Changes. Journal of Neuroscience, 2013, 33, 12470-12478.	1.7	245
87	Biomarkers and perfusion â€“ training-induced changes after stroke (BAPTISe): protocol of an observational study accompanying a randomized controlled trial. BMC Neurology, 2013, 13, 197.	0.8	9
88	Interaction of BDNF and COMT Polymorphisms on Paired-Associative Stimulation-Induced Cortical Plasticity. Journal of Neuroscience, 2012, 32, 4553-4561.	1.7	100
89	Non-invasive brain stimulation and language processing in the healthy brain. Aphasiology, 2012, 26, 1082-1102.	1.4	29
90	Non-invasive brain stimulation improves object-location learning in the elderly. Neurobiology of Aging, 2012, 33, 1682-1689.	1.5	168

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91	Effects of COMT polymorphisms on brain function and behavior in health and disease. Brain Research Bulletin, 2012, 88, 418-428.	1.4	132
92	Granulocyte-Colony Stimulating Factor (G-CSF) in Stroke Patients with Concomitant Vascular Diseaseâ€"A Randomized Controlled Trial. PLoS ONE, 2011, 6, e19767.	1.1	35
93	Short-Term Anomia Training and Electrical Brain Stimulation. Stroke, 2011, 42, 2065-2067.	1.0	161
94	Recovery of function in humans: Cortical stimulation and pharmacological treatments after stroke. Neurobiology of Disease, 2010, 37, 243-251.	2.1	106
95	White matter integrity in the vicinity of Broca's area predicts grammar learning success. NeuroImage, 2009, 47, 1974-1981.	2.1	114
96	Levodopa improves skilled hand functions in the elderly. European Journal of Neuroscience, 2008, 27, 1301-1307.	1.2	47
97	Noninvasive Brain Stimulation Improves Language Learning. Journal of Cognitive Neuroscience, 2008, 20, 1415-1422.	1.1	367
98	Lifestyle and Memory in the Elderly. Neuroepidemiology, 2008, 31, 39-47.	1.1	52
99	Pharmacological enhancement of motor recovery in subacute and chronic stroke. NeuroRehabilitation, 2008, 23, 95-103.	0.5	45
100	Translational Studies in Neurorehabilitation: From Bench to Bedside. Cognitive and Behavioral Neurology, 2006, 19, 1-10.	0.5	33
101	Atypical Hemispheric Dominance for Attention: Functional MRI Topography. Journal of Cerebral Blood Flow and Metabolism, 2005, 25, 1197-1208.	2.4	24
102	Dopaminergic influences on formation of a motor memory. Annals of Neurology, 2005, 58, 121-130.	2.8	171
103	Prosody as an intermediary evolutionary stage between a manual communication system and a fully developed language faculty. Behavioral and Brain Sciences, 2004, 27, 521-522.	0.4	1
104	Prefrontal Cortex Asymmetry for Memory Encoding of Words and Abstract Shapes. Cerebral Cortex, 2004, 14, 404-409.	1.6	97
105	Influence of somatosensory input on motor function in patients with chronic stroke. Annals of Neurology, 2004, 56, 206-212.	2.8	135
106	Language perception activates the hand motor cortex: implications for motor theories of speech perception. European Journal of Neuroscience, 2003, 18, 704-708.	1.2	178
107	Lateralisation may be a side issue for understanding language development. Behavioral and Brain Sciences, 2003, 26, .	0.4	0
108	Therapy of Sneddon Syndrome. European Neurology, 2002, 48, 126-132.	0.6	39

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109	Reproducibility of hemispheric blood flow increases during line bisectioning. Clinical Neurophysiology, 2002, 113, 917-924.	0.7	16
110	From bench to bedside: influence of theories of plasticity on human neurorehabilitation. , 0, , 248-266.		1