Cornelius Weiller

List of Publications by Year
in descending order

98	9,953	94433 37	38395 95
papers	citations	h-index	g-index

100	100	100	8307
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Ventral and dorsal pathways for language. Proceedings of the National Academy of Sciences of the United States of America, 2008, 105, 18035-18040.	7.1	1,306
2	Treatment-Induced Cortical Reorganization After Stroke in Humans. Stroke, 2000, 31, 1210-1216.	2.0	1,221
3	Dynamics of language reorganization after stroke. Brain, 2006, 129, 1371-1384.	7.6	945
4	Functional reorganization of the brain in recovery from striatocapsular infarction in man. Annals of Neurology, 1992, 31, 463-472.	5.3	869
5	Recovery from wernicke's aphasia: A positron emission tomographic study. Annals of Neurology, 1995, 37, 723-732.	5.3	570
6	Training-induced brain plasticity in aphasia. Brain, 1999, 122, 1781-1790.	7.6	418
7	Broca's area and the language instinct. Nature Neuroscience, 2003, 6, 774-781.	14.8	373
8	Diffusion tensor MRI of early upper motor neuron involvement in amyotrophic lateral sclerosis. Brain, 2004, 127, 340-350.	7.6	269
9	Motor cortex disinhibition of the unaffected hemisphere after acute stroke. Muscle and Nerve, 2000, 23, 1761-1763.	2.2	262
10	Cognitive impairment and altered cerebral glucose metabolism in the subacute stage of COVID-19. Brain, 2021, 144, 1263-1276.	7.6	245
11	Damage to ventral and dorsal language pathways in acute aphasia. Brain, 2013, 136, 619-629.	7.6	229
12	A Blueprint for Movement: Functional and Anatomical Representations in the Human Motor System. Journal of Neuroscience, 1999, 19, 8043-8048.	3.6	217
13	The Large Striatocapsular Infarct. Archives of Neurology, 1990, 47, 1085.	4.5	190
14	Structural Connectivity for Visuospatial Attention: Significance of Ventral Pathways. Cerebral Cortex, 2010, 20, 121-129.	2.9	155
15	How the ventral pathway got lost â€“ And what its recovery might mean. Brain and Language, 2011, 118, 29-39.	1.6	147
16	Recovery of motor and language abilities after stroke: the contribution of functional imaging. Progress in Neurobiology, 2002, 66, 109-122.	5.7	145
17	Neural bases of imitation and pantomime in acute stroke patients: distinct streams for praxis. Brain, 2014, 137, 2796-2810.	7.6	130
18	Slow but evident recovery from neocortical dysfunction and cognitive impairment in a series of chronic COVID-19 patients. Journal of Nuclear Medicine, 2021, 62, jnumed.121.262128.	5.0	108

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19	The influence of extra- and intracranial artery disease on the BOLD signal in FMRI. NeuroImage, 2003, 20, 1393-1399.	4.2	104
20	Dynamics of language reorganization after left temporo-parietal and frontal stroke. Brain, 2020, 143, 844-861.	7.6	102
21	Therapy-induced brain reorganization patterns in aphasia. Brain, 2015, 138, 1097-1112.	7.6	94
22	Acute visual neglect and extinction: distinct functional state of the visuospatial attention system. Brain, 2011, 134, 3310-3325.	7.6	85
23	Processing Pathways in Mental Arithmeticâ€"Evidence from Probabilistic Fiber Tracking. PLoS ONE, 2013, 8, e55455.	2.5	75
24	The ventral fiber pathway for pantomime of object use. NeuroImage, 2015, 106, 252-263.	4.2	70
25	Ventral and dorsal fiber systems for imagined and executed movement. Experimental Brain Research, 2012, 219, 203-216.	1.5	64
26	A single dual-stream framework for syntactic computations in music and language. NeuroImage, 2015, 117, 267-283.	4.2	63
27	Large Vessel Occlusion in Acute Stroke. Stroke, 2018, 49, 2323-2329.	2.0	61
28	Please donâ€™t underestimate the ventral pathway in language. Trends in Cognitive Sciences, 2009, 13, 369-370.	7.8	60
29	The dual loop model: its relation to language and other modalities. Frontiers in Evolutionary Neuroscience, 2012, 4, 9.	3.7	60
30	Differential Roles of Ventral and Dorsal Streams for Conceptual and Production-Related Components of Tool Use in Acute Stroke Patients. Cerebral Cortex, 2016, 26, 3754-3771.	2.9	59
31	Predictors and signatures of recovery from neglect in acute stroke. Annals of Neurology, 2016, 79, 673-686.	5.3	55
32	Symptom-specific amygdala hyperactivity modulates motor control network in conversion disorder. NeuroImage: Clinical, 2017, 15, 143-150.	2.7	54
33	Polysomnographic Characteristics of Sleep in Stroke: A Systematic Review and Meta-Analysis. PLoS ONE, 2016, 11, e0148496.	2.5	52
34	Cognitive reserve impacts on disability and cognitive deficits in acute stroke. Journal of Neurology, 2019, 266, 2495-2504.	3.6	51
35	The Dual-Loop Model and the Human Mirror Neuron System: an Exploratory Combined fMRI and DTI Study of the Inferior Frontal Gyrus. Cerebral Cortex, 2016, 26, 2215-2224.	2.9	47
36	Action semantics and movement characteristics engage distinct processing streams during the observation of tool use. Experimental Brain Research, 2013, 229, 243-260.	1.5	44

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37	Dissociating frontal and temporal correlates of phonological and semantic fluency in a large sample of left hemisphere stroke patients. NeuroImage: Clinical, 2019, 23, 101840.	2.7	43
38	Distinct Contributions of Dorsal and Ventral Streams to Imitation of Tool-Use and Communicative Gestures. Cerebral Cortex, 2018, 28, 474-492.	2.9	42
39	Distinct white matter alterations following severe stroke. Neurology, 2017, 88, 1546-1555.	1.1	40
40	Transcranial Direct Current Stimulation Enhances Motor Skill Learning but Not Generalization in Chronic Stroke. Neurorehabilitation and Neural Repair, 2018, 32, 295-308.	2.9	40
41	Role of functional imaging in neurological disorders. Journal of Magnetic Resonance Imaging, 2006, 23, 840-850.	3.4	39
42	Brain activity underlying tool-related and imitative skills after major left hemisphere stroke. Brain, 2016, 139, 1497-1516.	7.6	38
43	Visual neglect after left-hemispheric lesions: a voxel-based lesionâ€“symptom mapping study in 121 acute stroke patients. Experimental Brain Research, 2017, 235, 83-95.	1.5	38
44	Are semantic and phonological fluency based on the same or distinct sets of cognitive processes? Insights from factor analyses in healthy adults and stroke patients. Neuropsychologia, 2017, 99, 148-155.	1.6	35
45	Probing the reproducibility of quantitative estimates of structural connectivity derived from global tractography. NeuroImage, 2018, 175, 215-229.	4.2	35
46	Testâ€“retest reliability of the Tower of London Planning Task (TOL-F).. Psychological Assessment, 2015, 27, 925-931.	1.5	32
47	The ventral pathway of the human brain: A continuous association tract system. NeuroImage, 2021, 234, 117977.	4.2	32
48	Transcranial direct current stimulation over left and right DLPFC: Lateralized effects on planning performance and related eye movements. Biological Psychology, 2014, 102, 130-140.	2.2	29
49	Assessment of planning performance in clinical samples: Reliability and validity of the Tower of London task (TOL-F). Neuropsychologia, 2015, 75, 646-655.	1.6	28
50	Activation of disease during therapy with alemtuzumab in 3 patients with multiple sclerosis. Neurology, 2018, 90, e601-e605.	1.1	28
51	Working Memory in Schizophrenia: Behavioral and Neural Evidence for Reduced Susceptibility to Item-Specific Proactive Interference. Biological Psychiatry, 2014, 76, 486-494.	1.3	26
52	Widespread white matter oedema in subacute COVID-19 patients with neurological symptoms. Brain, 2022, 145, 3203-3213.	7.6	25
53	Functional correlates of vertical gaze palsy and other ocular motor deficits in PSP: An FDG-PET study. Parkinsonism and Related Disorders, 2014, 20, 898-906.	2.2	24
54	Development of planning abilities in normal aging: Differential effects of specific cognitive demands.. Developmental Psychology, 2014, 50, 293-303.	1.6	24

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55	Spatial mapping of dynamic cerebral autoregulation by multichannel near-infrared spectroscopy in high-grade carotid artery disease. Journal of Biomedical Optics, 2014, 19, 097005.	2.6	23
56	The Great Imitatorâ€"Still Today! A Case of Meningovascular Syphilis Affecting the Posterior Circulation. Journal of Stroke and Cerebrovascular Diseases, 2015, 24, e1-e3.	1.6	19
57	Estrogen Intake and Copper Depositions: Implications for Alzheimer's Disease. Case Reports in Neurology, 2014, 6, 181-187.	0.7	18
58	Processing of bilateral versus unilateral conditions: Evidence for the functional contribution of the ventral attention network. Cortex, 2015, 66, 91-102.	2.4	17
59	Frequency and Chunking in Derived Words: A Parametric fMRI Study. Journal of Cognitive Neuroscience, 2017, 29, 1162-1177.	2.3	17
60	Bedsided Transcranial Sonographic Monitoring for Expansion and Progression of Subdural Hematoma Compared to Computed Tomography. Frontiers in Neurology, 2018, 9, 374.	2.4	15
61	Novel compound heterozygous synaptojaninâ€1 mutation causes <scp>l</scp>â€dopaâ€responsive dystoniaâ€parkinsonism syndrome. Movement Disorders, 2017, 32, 478-480.	3.9	14
62	Componential Network for the Recognition of Tool-Associated Actions: Evidence from Voxel-based Lesion-Symptom Mapping in Acute Stroke Patients. Cerebral Cortex, 2016, 27, 4139-4152.	2.9	13
63	Retrograde aortic blood flow as a mechanism of stroke: MR evaluation of the prevalence in a population-based study. European Radiology, 2019, 29, 5172-5179.	4.5	13
64	Resolution of diaschisis contributes to early recovery from post-stroke aphasia. NeuroImage, 2022, 251, 119001.	4.2	12
65	Impaired dynamic cerebral autoregulation in patients with cerebral amyloid angiopathy. Brain Research, 2019, 1717, 60-65.	2.2	11
66	The correlation between apraxia and neglect in the right hemisphere: A voxel-based lesion-symptom mapping study in 138 acute stroke patients. Cortex, 2020, 132, 166-179.	2.4	11
67	Training of resistance to proactive interference and working memory in older adults: a randomized double-blind study. International Psychogeriatrics, 2016, 28, 453-467.	1.0	10
68	Adult-Onset Niemannâ€"Pick Disease Type C: Rapid Treatment Initiation Advised but Early Diagnosis Remains Difficult. Frontiers in Neurology, 2017, 8, 108.	2.4	9
69	Age differences in behavioral and neural correlates of proactive interference: Disentangling the role of overall working memory performance. NeuroImage, 2016, 127, 376-386.	4.2	8
70	Neural correlates of acute apraxia: Evidence from lesion data and functional MRI in stroke patients. Cortex, 2019, 120, 1-21.	2.4	8
71	Long-term outcome changes after mechanical thrombectomy for anterior circulation acute ischemic stroke. Journal of Neurology, 2020, 267, 1026-1034.	3.6	8
72	Thyroid Diseases Are an Underestimated Risk Factor for Cerebral Venous Sinus Thrombosis. Frontiers in Neurology, 2020, 11, 561656.	2.4	8

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73	Anatomical correlates of recovery in apraxia: A longitudinal lesion-mapping study in stroke patients. Cortex, 2021, 142, 104-121.	2.4	8
74	Analyses of Rule Breaks and Errors During Planning in Computerized Tower Tasks: Insights From Neurological Patients. Archives of Clinical Neuropsychology, 2016, 31, 738-753.	0.5	7
75	Chorea-Acanthocytosis Presenting as Autosomal Recessive Epilepsy in a Family With a Novel VPS13A Mutation. Frontiers in Neurology, 2018, 9, 1168.	2.4	7
76	Dissociation of visual extinction and neglect in the left hemisphere. Cortex, 2020, 129, 211-222.	2.4	7
77	Anatomy of brain lesions after stroke predicts effectiveness of mirror therapy. European Journal of Neuroscience, 2020, 52, 3628-3641.	2.6	7
78	Teaching the Neurologic Examination: A Prospective, Controlled Study to Compare a Blended Learning Approach With Face-to-Face Instruction. Neurology, 2021, 97, 10.1212/WNL.0000000000012851.	1.1	7
79	Musicians use speech-specific areas when processing tones: The key to their superior linguistic competence?. Behavioural Brain Research, 2020, 390, 112662.	2.2	7
80	Aphasia recovery by language training using a brainâ€“computer interface: a proof-of-concept study. Brain Communications, 2022, 4, fcac008.	3.3	7
81	T2* Relaxometry in Patients with Parkinsonâ€™s Disease. Clinical Neuroradiology, 2018, 28, 63-67.	1.9	6
82	Speech apraxia and oral apraxia: association or dissociation? A multivariate lesionâ€“symptom mapping study in acute stroke patients. Experimental Brain Research, 2021, , 1.	1.5	6
83	Neurovascular Coupling in Pregnancy and the Risk of Preeclampsia. Stroke, 2014, 45, 2792-2794.	2.0	5
84	Approximation to painâ€signaling network in humans by means of migraine. Human Brain Mapping, 2021, 42, 766-779.	3.6	5
85	The extreme capsule and aphasia: proof-of-concept of a new way relating structure to neurological symptoms. Brain Communications, 2021, 3, fcab040.	3.3	5
86	The impact of physiological noise on hemodynamic-derived estimates of directed functional connectivity. Brain Structure and Function, 2019, 224, 3145-3157.	2.3	4
87	German Language Adaptation of the NAVS (NAVS-G) and of the NAT (NAT-G): Testing Grammar in Aphasia. Brain Sciences, 2021, 11, 474.	2.3	4
88	Anti-glycin-receptor antibody related stiff-person syndrome under treatment with an immune checkpoint inhibitor. Journal of Neurology, 2021, 268, 709-711.	3.6	4
89	The Dual Loop Model in Language. , 2016, , 325-337.		3
90	Ataxia and autonomic dysfunction as presenting symptoms in late-onset Alexander disease. Neurology: Clinical Practice, 2017, 7, 523-526.	1.6	3

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91	Data on the test-retest reproducibility of streamline counts as a measure of structural connectivity. Data in Brief, 2018, 19, 1361-1381.	1.0	3
92	Dissociation among preserved resistance to proactive interference and impaired behavioral inhibition in a patient with bilateral lesions in the inferior frontal gyrus: A single-case study. Cortex, 2019, 119, 111-127.	2.4	3
93	Primary intraspinal non-Hodgkinâ€™s lymphoma: Case report and review of literature. Journal of Clinical Neuroscience, 2019, 61, 262-264.	1.5	3
94	The rostro-caudal gradient in the prefrontal cortex and its modulation by subthalamic deep brain stimulation in Parkinsonâ€™s disease. Scientific Reports, 2021, 11, 2138.	3.3	2
95	Introduction. Brain and Language, 2013, 127, 177-180.	1.6	1
96	Editorial. Current Opinion in Neurology, 2014, 27, 369.	3.6	0
97	The ventral pathway and the extreme capsule: Pierre Marie was right. Brain, 2022, , .	7.6	0
98	Syntax Acquisition in Healthy Adults and Post-Stroke Individuals: The Intriguing Role of Grammatical Preference, Statistical Learning, and Education. Brain Sciences, 2022, 12, 616.	2.3	0