

Cornelius Weiller

List of Publications by Year in descending order

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Version: 2024-02-01

98
papers

9,953
citations

94381

37
h-index

38368

95
g-index

100
all docs

100
docs citations

100
times ranked

8307
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.	3.3	1,306
2	Treatment-Induced Cortical Reorganization After Stroke in Humans. Stroke, 2000, 31, 1210-1216.	1.0	1,221
3	Dynamics of language reorganization after stroke. Brain, 2006, 129, 1371-1384.	3.7	945
4	Functional reorganization of the brain in recovery from striatocapsular infarction in man. Annals of Neurology, 1992, 31, 463-472.	2.8	869
5	Recovery from wernicke's aphasia: A positron emission tomographic study. Annals of Neurology, 1995, 37, 723-732.	2.8	570
6	Training-induced brain plasticity in aphasia. Brain, 1999, 122, 1781-1790.	3.7	418
7	Broca's area and the language instinct. Nature Neuroscience, 2003, 6, 774-781.	7.1	373
8	Diffusion tensor MRI of early upper motor neuron involvement in amyotrophic lateral sclerosis. Brain, 2004, 127, 340-350.	3.7	269
9	Motor cortex disinhibition of the unaffected hemisphere after acute stroke. Muscle and Nerve, 2000, 23, 1761-1763.	1.0	262
10	Cognitive impairment and altered cerebral glucose metabolism in the subacute stage of COVID-19. Brain, 2021, 144, 1263-1276.	3.7	245
11	Damage to ventral and dorsal language pathways in acute aphasia. Brain, 2013, 136, 619-629.	3.7	229
12	A Blueprint for Movement: Functional and Anatomical Representations in the Human Motor System. Journal of Neuroscience, 1999, 19, 8043-8048.	1.7	217
13	The Large Striatocapsular Infarct. Archives of Neurology, 1990, 47, 1085.	4.9	190
14	Structural Connectivity for Visuospatial Attention: Significance of Ventral Pathways. Cerebral Cortex, 2010, 20, 121-129.	1.6	155
15	How the ventral pathway got lost – And what its recovery might mean. Brain and Language, 2011, 118, 29-39.	0.8	147
16	Recovery of motor and language abilities after stroke: the contribution of functional imaging. Progress in Neurobiology, 2002, 66, 109-122.	2.8	145
17	Neural bases of imitation and pantomime in acute stroke patients: distinct streams for praxis. Brain, 2014, 137, 2796-2810.	3.7	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.	2.8	108

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19	The influence of extra- and intracranial artery disease on the BOLD signal in fMRI. <i>NeuroImage</i> , 2003, 20, 1393-1399.	2.1	104
20	Dynamics of language reorganization after left temporo-parietal and frontal stroke. <i>Brain</i> , 2020, 143, 844-861.	3.7	102
21	Therapy-induced brain reorganization patterns in aphasia. <i>Brain</i> , 2015, 138, 1097-1112.	3.7	94
22	Acute visual neglect and extinction: distinct functional state of the visuospatial attention system. <i>Brain</i> , 2011, 134, 3310-3325.	3.7	85
23	Processing Pathways in Mental Arithmetic—Evidence from Probabilistic Fiber Tracking. <i>PLoS ONE</i> , 2013, 8, e55455.	1.1	75
24	The ventral fiber pathway for pantomime of object use. <i>NeuroImage</i> , 2015, 106, 252-263.	2.1	70
25	Ventral and dorsal fiber systems for imagined and executed movement. <i>Experimental Brain Research</i> , 2012, 219, 203-216.	0.7	64
26	A single dual-stream framework for syntactic computations in music and language. <i>NeuroImage</i> , 2015, 117, 267-283.	2.1	63
27	Large Vessel Occlusion in Acute Stroke. <i>Stroke</i> , 2018, 49, 2323-2329.	1.0	61
28	Please don't underestimate the ventral pathway in language. <i>Trends in Cognitive Sciences</i> , 2009, 13, 369-370.	4.0	60
29	The dual loop model: its relation to language and other modalities. <i>Frontiers in Evolutionary Neuroscience</i> , 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. <i>Cerebral Cortex</i> , 2016, 26, 3754-3771.	1.6	59
31	Predictors and signatures of recovery from neglect in acute stroke. <i>Annals of Neurology</i> , 2016, 79, 673-686.	2.8	55
32	Symptom-specific amygdala hyperactivity modulates motor control network in conversion disorder. <i>NeuroImage: Clinical</i> , 2017, 15, 143-150.	1.4	54
33	Polysomnographic Characteristics of Sleep in Stroke: A Systematic Review and Meta-Analysis. <i>PLoS ONE</i> , 2016, 11, e0148496.	1.1	52
34	Cognitive reserve impacts on disability and cognitive deficits in acute stroke. <i>Journal of Neurology</i> , 2019, 266, 2495-2504.	1.8	51
35	The Dual-Loop Model and the Human Mirror Neuron System: an Exploratory Combined fMRI and DTI Study of the Inferior Frontal Gyrus. <i>Cerebral Cortex</i> , 2016, 26, 2215-2224.	1.6	47
36	Action semantics and movement characteristics engage distinct processing streams during the observation of tool use. <i>Experimental Brain Research</i> , 2013, 229, 243-260.	0.7	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. <i>NeuroImage: Clinical</i> , 2019, 23, 101840.	1.4	43
38	Distinct Contributions of Dorsal and Ventral Streams to Imitation of Tool-Use and Communicative Gestures. <i>Cerebral Cortex</i> , 2018, 28, 474-492.	1.6	42
39	Distinct white matter alterations following severe stroke. <i>Neurology</i> , 2017, 88, 1546-1555.	1.5	40
40	Transcranial Direct Current Stimulation Enhances Motor Skill Learning but Not Generalization in Chronic Stroke. <i>Neurorehabilitation and Neural Repair</i> , 2018, 32, 295-308.	1.4	40
41	Role of functional imaging in neurological disorders. <i>Journal of Magnetic Resonance Imaging</i> , 2006, 23, 840-850.	1.9	39
42	Brain activity underlying tool-related and imitative skills after major left hemisphere stroke. <i>Brain</i> , 2016, 139, 1497-1516.	3.7	38
43	Visual neglect after left-hemispheric lesions: a voxel-based lesion-symptom mapping study in 121 acute stroke patients. <i>Experimental Brain Research</i> , 2017, 235, 83-95.	0.7	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. <i>Neuropsychologia</i> , 2017, 99, 148-155.	0.7	35
45	Probing the reproducibility of quantitative estimates of structural connectivity derived from global tractography. <i>NeuroImage</i> , 2018, 175, 215-229.	2.1	35
46	Test-retest reliability of the Tower of London Planning Task (TOL-F).. <i>Psychological Assessment</i> , 2015, 27, 925-931.	1.2	32
47	The ventral pathway of the human brain: A continuous association tract system. <i>NeuroImage</i> , 2021, 234, 117977.	2.1	32
48	Transcranial direct current stimulation over left and right DLPFC: Lateralized effects on planning performance and related eye movements. <i>Biological Psychology</i> , 2014, 102, 130-140.	1.1	29
49	Assessment of planning performance in clinical samples: Reliability and validity of the Tower of London task (TOL-F). <i>Neuropsychologia</i> , 2015, 75, 646-655.	0.7	28
50	Activation of disease during therapy with alemtuzumab in 3 patients with multiple sclerosis. <i>Neurology</i> , 2018, 90, e601-e605.	1.5	28
51	Working Memory in Schizophrenia: Behavioral and Neural Evidence for Reduced Susceptibility to Item-Specific Proactive Interference. <i>Biological Psychiatry</i> , 2014, 76, 486-494.	0.7	26
52	Widespread white matter oedema in subacute COVID-19 patients with neurological symptoms. <i>Brain</i> , 2022, 145, 3203-3213.	3.7	25
53	Functional correlates of vertical gaze palsy and other ocular motor deficits in PSP: An FDG-PET study. <i>Parkinsonism and Related Disorders</i> , 2014, 20, 898-906.	1.1	24
54	Development of planning abilities in normal aging: Differential effects of specific cognitive demands.. <i>Developmental Psychology</i> , 2014, 50, 293-303.	1.2	24

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55	Spatial mapping of dynamic cerebral autoregulation by multichannel near-infrared spectroscopy in high-grade carotid artery disease. <i>Journal of Biomedical Optics</i> , 2014, 19, 097005.	1.4	23
56	The Great Imitatorâ€”Still Today! A Case of Meningovascular Syphilis Affecting the Posterior Circulation. <i>Journal of Stroke and Cerebrovascular Diseases</i> , 2015, 24, e1-e3.	0.7	19
57	Estrogen Intake and Copper Depositions: Implications for Alzheimer's Disease. <i>Case Reports in Neurology</i> , 2014, 6, 181-187.	0.3	18
58	Processing of bilateral versus unilateral conditions: Evidence for the functional contribution of the ventral attention network. <i>Cortex</i> , 2015, 66, 91-102.	1.1	17
59	Frequency and Chunking in Derived Words: A Parametric fMRI Study. <i>Journal of Cognitive Neuroscience</i> , 2017, 29, 1162-1177.	1.1	17
60	Bedsided Transcranial Sonographic Monitoring for Expansion and Progression of Subdural Hematoma Compared to Computed Tomography. <i>Frontiers in Neurology</i> , 2018, 9, 374.	1.1	15
61	Novel compound heterozygous synaptojaninâ€1 mutation causes <scp>l</scp>â€dopaâ€responsive dystoniaâ€parkinsonism syndrome. <i>Movement Disorders</i> , 2017, 32, 478-480.	2.2	14
62	Componential Network for the Recognition of Tool-Associated Actions: Evidence from Voxel-based Lesion-Symptom Mapping in Acute Stroke Patients. <i>Cerebral Cortex</i> , 2016, 27, 4139-4152.	1.6	13
63	Retrograde aortic blood flow as a mechanism of stroke: MR evaluation of the prevalence in a population-based study. <i>European Radiology</i> , 2019, 29, 5172-5179.	2.3	13
64	Resolution of diaschisis contributes to early recovery from post-stroke aphasia. <i>NeuroImage</i> , 2022, 251, 119001.	2.1	12
65	Impaired dynamic cerebral autoregulation in patients with cerebral amyloid angiopathy. <i>Brain Research</i> , 2019, 1717, 60-65.	1.1	11
66	The correlation between apraxia and neglect in the right hemisphere: A voxel-based lesion-symptom mapping study in 138 acute stroke patients. <i>Cortex</i> , 2020, 132, 166-179.	1.1	11
67	Training of resistance to proactive interference and working memory in older adults: a randomized double-blind study. <i>International Psychogeriatrics</i> , 2016, 28, 453-467.	0.6	10
68	Adult-Onset Niemannâ€Pick Disease Type C: Rapid Treatment Initiation Advised but Early Diagnosis Remains Difficult. <i>Frontiers in Neurology</i> , 2017, 8, 108.	1.1	9
69	Age differences in behavioral and neural correlates of proactive interference: Disentangling the role of overall working memory performance. <i>NeuroImage</i> , 2016, 127, 376-386.	2.1	8
70	Neural correlates of acute apraxia: Evidence from lesion data and functional MRI in stroke patients. <i>Cortex</i> , 2019, 120, 1-21.	1.1	8
71	Long-term outcome changes after mechanical thrombectomy for anterior circulation acute ischemic stroke. <i>Journal of Neurology</i> , 2020, 267, 1026-1034.	1.8	8
72	Thyroid Diseases Are an Underestimated Risk Factor for Cerebral Venous Sinus Thrombosis. <i>Frontiers in Neurology</i> , 2020, 11, 561656.	1.1	8

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73	Anatomical correlates of recovery in apraxia: A longitudinal lesion-mapping study in stroke patients. <i>Cortex</i> , 2021, 142, 104-121.	1.1	8
74	Analyses of Rule Breaks and Errors During Planning in Computerized Tower Tasks: Insights From Neurological Patients. <i>Archives of Clinical Neuropsychology</i> , 2016, 31, 738-753.	0.3	7
75	Chorea-Acanthocytosis Presenting as Autosomal Recessive Epilepsy in a Family With a Novel VPS13A Mutation. <i>Frontiers in Neurology</i> , 2018, 9, 1168.	1.1	7
76	Dissociation of visual extinction and neglect in the left hemisphere. <i>Cortex</i> , 2020, 129, 211-222.	1.1	7
77	Anatomy of brain lesions after stroke predicts effectiveness of mirror therapy. <i>European Journal of Neuroscience</i> , 2020, 52, 3628-3641.	1.2	7
78	Teaching the Neurologic Examination: A Prospective, Controlled Study to Compare a Blended Learning Approach With Face-to-Face Instruction. <i>Neurology</i> , 2021, 97, 10.1212/WNL.00000000000012851.	1.5	7
79	Musicians use speech-specific areas when processing tones: The key to their superior linguistic competence?. <i>Behavioural Brain Research</i> , 2020, 390, 112662.	1.2	7
80	Aphasia recovery by language training using a brain-computer interface: a proof-of-concept study. <i>Brain Communications</i> , 2022, 4, fcac008.	1.5	7
81	T2* Relaxometry in Patients with Parkinson's Disease. <i>Clinical Neuroradiology</i> , 2018, 28, 63-67.	1.0	6
82	Speech apraxia and oral apraxia: association or dissociation? A multivariate lesion-symptom mapping study in acute stroke patients. <i>Experimental Brain Research</i> , 2021, , 1.	0.7	6
83	Neurovascular Coupling in Pregnancy and the Risk of Preeclampsia. <i>Stroke</i> , 2014, 45, 2792-2794.	1.0	5
84	Approximation to pain signaling network in humans by means of migraine. <i>Human Brain Mapping</i> , 2021, 42, 766-779.	1.9	5
85	The extreme capsule and aphasia: proof-of-concept of a new way relating structure to neurological symptoms. <i>Brain Communications</i> , 2021, 3, fcab040.	1.5	5
86	The impact of physiological noise on hemodynamic-derived estimates of directed functional connectivity. <i>Brain Structure and Function</i> , 2019, 224, 3145-3157.	1.2	4
87	German Language Adaptation of the NAVS (NAVS-G) and of the NAT (NAT-G): Testing Grammar in Aphasia. <i>Brain Sciences</i> , 2021, 11, 474.	1.1	4
88	Anti-glycin-receptor antibody related stiff-person syndrome under treatment with an immune checkpoint inhibitor. <i>Journal of Neurology</i> , 2021, 268, 709-711.	1.8	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. <i>Neurology: Clinical Practice</i> , 2017, 7, 523-526.	0.8	3

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91	Data on the test-retest reproducibility of streamline counts as a measure of structural connectivity. <i>Data in Brief</i> , 2018, 19, 1361-1381.	0.5	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. <i>Cortex</i> , 2019, 119, 111-127.	1.1	3
93	Primary intraspinal non-Hodgkinâ€™s lymphoma: Case report and review of literature. <i>Journal of Clinical Neuroscience</i> , 2019, 61, 262-264.	0.8	3
94	The rostro-caudal gradient in the prefrontal cortex and its modulation by subthalamic deep brain stimulation in Parkinsonâ€™s disease. <i>Scientific Reports</i> , 2021, 11, 2138.	1.6	2
95	Introduction. <i>Brain and Language</i> , 2013, 127, 177-180.	0.8	1
96	Editorial. <i>Current Opinion in Neurology</i> , 2014, 27, 369.	1.8	0
97	The ventral pathway and the extreme capsule: Pierre Marie was right. <i>Brain</i> , 2022, , .	3.7	0
98	Syntax Acquisition in Healthy Adults and Post-Stroke Individuals: The Intriguing Role of Grammatical Preference, Statistical Learning, and Education. <i>Brain Sciences</i> , 2022, 12, 616.	1.1	0