Klaus F Willmes

List of Publications by Year in descending order

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#	Article	IF	CITATIONS
1	Dynamics of language reorganization after stroke. Brain, 2006, 129, 1371-1384.	7.6	945
2	On the Functional Neuroanatomy of Intrinsic and Phasic Alertness. NeuroImage, 2001, 14, S76-S84.	4.2	580
3	Evidence of abnormal amygdala functioning in borderline personality disorder: a functional MRI study. Biological Psychiatry, 2001, 50, 292-298.	1.3	471
4	Functional anatomy of intrinsic alertness: evidencefor a fronto-parietal-thalamic-brainstem network in theright hemisphere. Neuropsychologia, 1999, 37, 797-805.	1.6	413
5	Decade breaks in the mental number line? Putting the tens and units back in different bins. Cognition, 2001, 82, B25-B33.	2.2	286
6	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.	13.7	259
7	Cortical activation patterns during complex motor tasks in piano players and control subjects. A functional magnetic resonance imaging study. Neuroscience Letters, 2000, 278, 189-193.	2.1	251
8	To what extent can aphasic syndromes be localized?. Brain, 1993, 116, 1527-1540.	7.6	238
9	Do Specific Attention Deficits Need Specific Training?. Neuropsychological Rehabilitation, 1997, 7, 81-103.	1.6	235
10	The Universal SNARC Effect. Experimental Psychology, 2005, 52, 187-194.	0.7	234
11	Effects of Blood Estrogen Level on Cortical Activation Patterns during Cognitive Activation as Measured by Functional MRI. NeuroImage, 2001, 13, 425-432.	4.2	204
12	Regional cerebral blood flow patterns in visual imagery. Neuropsychologia, 1989, 27, 641-664.	1.6	197
13	Embodied numerosity: Implicit hand-based representations influence symbolic number processing across cultures. Cognition, 2010, 116, 251-266.	2.2	186
14	Math Anxiety and Math Ability in Early Primary School Years. Journal of Psychoeducational Assessment, 2009, 27, 206-225.	1.5	185
15	Notational Modulation of the SNARC and the MARC (Linguistic Markedness of Response Codes) Effect. Quarterly Journal of Experimental Psychology Section A: Human Experimental Psychology, 2004, 57, 835-863.	2.3	177
16	The case of aphasia or neglect after striatocapsular infarction. Brain, 1993, 116, 1509-1525.	7.6	176
17	Functional MRI for presurgical planning: problems, artefacts, and solution strategies. Journal of Neurology, Neurosurgery and Psychiatry, 2001, 70, 749-760.	1.9	155
18	Subjective experience in brain injured patients and their close relatives: A European Brain Injury Questionnaire study. Brain Injury, 1997, 11, 543-564.	1.2	152

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19	The Aachen Aphasia Test. Advances in Neurology, 1984, 42, 291-303.	0.8	143
20	Mental fatigue and temporal preparation in simple reaction-time performance. Acta Psychologica, 2010, 133, 64-72.	1.5	140
21	Language Lateralization in Temporal Lobe Epilepsy: A Comparison between fMRI and the Wada Test. Epilepsia, 2006, 47, 1308-1319.	5.1	139
22	Neural integration of iconic and unrelated coverbal gestures: A functional MRI study. Human Brain Mapping, 2009, 30, 3309-3324.	3.6	139
23	Mind the gap between both hands: Evidence for internal finger-based number representations in children's mental calculation. Cortex, 2008, 44, 359-367.	2.4	131
24	Detection of intracranial aneurysms with multislice CT: comparison with conventional angiography. Neuroradiology, 2004, 46, 427-34.	2.2	127
25	Outcome of Intensive Language Treatment in Aphasia. The Journal of Speech and Hearing Disorders, 1989, 54, 471-479.	1.3	121
26	Network for auditory intrinsic alertness: a PET study. Neuropsychologia, 2004, 42, 563-568.	1.6	121
27	On the Development of the Mental Number Line: More, Less, or Never Holistic With Increasing Age?. Developmental Psychology, 2004, 40, 1199-1211.	1.6	121
28	Do Normal D-dimer Levels Reliably Exclude Cerebral Sinus Thrombosis?. Stroke, 2004, 35, 2820-2825.	2.0	119
29	Modality-Specific Perceptual Expectations Selectively Modulate Baseline Activity in Auditory, Somatosensory, and Visual Cortices. Cerebral Cortex, 2011, 21, 2850-2862.	2.9	119
30	Efficacy of a reaction training on various attentional and cognitive functions in stroke patients. Neuropsychological Rehabilitation, 1991, 1, 259-280.	1.6	116
31	Assessment of reliability in functional imaging studies. Journal of Magnetic Resonance Imaging, 2003, 17, 463-471.	3.4	116
32	Registered Reports: Realigning incentives in scientific publishing. Cortex, 2015, 66, A1-A2.	2.4	115
33	Neural interaction of speech and gesture: Differential activations of metaphoric co-verbal gestures. Neuropsychologia, 2009, 47, 169-179.	1.6	112
34	"Prepairs―and repairs: Different monitoring functions in aphasic language production. Brain and Language, 1987, 30, 226-244.	1.6	108
35	Piracetam as an adjuvant to language therapy for aphasia: A randomized double-blind placebo-controlled pilot study. Archives of Physical Medicine and Rehabilitation, 1997, 78, 245-250.	0.9	108
36	Patterns of regional cerebral blood flow related to memorizing of high and low imagery words—An emission computer tomography study. Neuropsychologia, 1987, 25, 473-485.	1.6	98

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37	Language effects in magnitude comparison: Small, but not irrelevant. Brain and Language, 2005, 92, 262-277.	1.6	97
38	Genetic Contribution to Variation in Cognitive Function: An fMRI Study in Twins. Science, 2009, 323, 1737-1740.	12.6	97
39	Activation in primary and secondary motor areas in patients with CNS neoplasms and weakness. Neurology, 2002, 58, 381-390.	1.1	96
40	Cerebral correlates of imagining colours, faces and a map—I. SPECT of regional cerebral blood flow. Neuropsychologia, 1989, 27, 1315-1328.	1.6	94
41	Central nervous system lesions and cervical disc herniations in amateur divers. Lancet, The, 1995, 345, 1403-1405.	13.7	94
42	Therapy-induced brain reorganization patterns in aphasia. Brain, 2015, 138, 1097-1112.	7.6	94
43	Extending the Mental Number Line. Zeitschrift Fur Psychologie / Journal of Psychology, 2011, 219, 3-22.	1.0	94
44	Crossed Hands and the Snarc Effect: Afailure to Replicate Dehaene, Bossini and Giraux (1993). Cortex, 2006, 42, 1069-1079.	2.4	91
45	ldeomotor apraxia and aphasia: An examination of types and manifestations of apraxic symptoms. Neuropsychologia, 1983, 21, 199-212.	1.6	85
46	Cognitive subtypes of dyslexia. Acta Neurobiologiae Experimentalis, 2008, 68, 73-82.	0.7	85
47	Hemispheric Asymmetry in the Recognition of Emotional Attitude Conveyed by Facial Expression, Prosody and Propositional Speech. Cortex, 1997, 33, 65-81.	2.4	84
48	Process dissociation between contextual retrieval and item recognition. NeuroReport, 2004, 15, 2729-33.	1.2	84
49	Considering structural connectivity in the triple code model of numerical cognition: differential connectivity for magnitude processing and arithmetic facts. Brain Structure and Function, 2016, 221, 979-995.	2.3	83
50	A review on functional and structural brain connectivity in numerical cognition. Frontiers in Human Neuroscience, 2015, 9, 227.	2.0	82
51	Systems level modeling of a neuronal network subserving intrinsic alertness. NeuroImage, 2006, 29, 225-233.	4.2	78
52	Success Rate of Radioiodine Therapy in Graves' Disease: The Influence of Thyrostatic Medication. Journal of Clinical Endocrinology and Metabolism, 1999, 84, 1229-1233.	3.6	75
53	Processing Pathways in Mental Arithmetic—Evidence from Probabilistic Fiber Tracking. PLoS ONE, 2013, 8, e55455	2.5	75
54	Transcranial Doppler ultrasonic assessment of middle cerebral artery blood flow velocity changes during verbal and visuospatial cognitive tasks. Neuropsychologia, 1994, 32, 1443-1452.	1.6	74

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55	Recovery from hemineglect: Differential neurobiological effects of optokinetic stimulation and alertness training. Cortex, 2009, 45, 850-862.	2.4	69
56	An approach to analyzing a single subject's scores obtained in a standardized test with application to the aachen aphasia test (AAT). Neuropsychology, Development and Cognition Section A: Journal of Clinical and Experimental Neuropsychology, 1985, 7, 331-352.	1.1	68
57	Inducing Inductive Reasoning: Does It Transfer to Fluid Intelligence?. Contemporary Educational Psychology, 2002, 27, 1-25.	2.9	66
58	Hemispheric lateralization at different levels of human auditory word processing: a functional magnetic resonance imaging study. Neuroscience Letters, 2000, 287, 195-198.	2.1	64
59	Professional mathematicians differ from controls in their spatial-numerical associations. Psychological Research, 2016, 80, 710-726.	1.7	64
60	The Hyperdense Posterior Cerebral Artery Sign. Stroke, 2006, 37, 399-403.	2.0	63
61	The effect of low arousal on visuo-spatial attention. Neuropsychologia, 2006, 44, 1261-1268.	1.6	63
62	On the Perceptual Generality of the Unit-Decade Compatibility Effect. Experimental Psychology, 2004, 51, 72-79.	0.7	62
63	The psychometric properties of the English language version of the Aachen Aphasia Test (EAAT). Aphasiology, 2000, 14, 683-722.	2.2	61
64	A hand full of numbers: a role for offloading in arithmetics learning?. Frontiers in Psychology, 2011, 2, 368.	2.1	60
65	Sequential or parallel decomposed processing of two-digit numbers? Evidence from eye-tracking. Quarterly Journal of Experimental Psychology, 2009, 62, 323-334.	1.1	59
66	Fact learning in complex arithmetic—the role of the angular gyrus revisited. Human Brain Mapping, 2016, 37, 3061-3079.	3.6	59
67	Management of attentional resources in within-modal and cross-modal divided attention tasks: An fMRI study. Human Brain Mapping, 2007, 28, 1267-1275.	3.6	58
68	The Influence of Implicit Hand-Based Representations on Mental Arithmetic. Frontiers in Psychology, 2011, 2, 197.	2.1	58
69	Staying responsive to the world: Modalityâ€specific and â€nonspecific contributions to speeded auditory, tactile, and visual stimulus detection. Human Brain Mapping, 2012, 33, 398-418.	3.6	58
70	Auditory mismatch impairments are characterized by core neural dysfunctions in schizophrenia. Brain, 2015, 138, 1410-1423.	7.6	58
71	Energetic effects of stimulus intensity on prolonged simple reaction-time performance. Psychological Research, 2010, 74, 499-512.	1.7	57
72	Cerebral activation in abstinent ecstasy (MDMA) users during a working memory task: a functional magnetic resonance imaging (fMRI) study. Cognitive Brain Research, 2003, 16, 479-487.	3.0	56

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73	Lactate as a diagnostic marker in transient loss of consciousness. Seizure: the Journal of the British Epilepsy Association, 2016, 40, 71-75.	2.0	56
74	Functional reorganisation in patients with right hemisphere stroke after training of alertness: a longitudinal PET and fMRI study in eight cases. Neuropsychologia, 2004, 42, 434-450.	1.6	55
75	Recovery of semantic word processing in global aphasia: a functional MRI study. Cognitive Brain Research, 2004, 18, 322-336.	3.0	55
76	Decreasing and increasing cues in naming therapy for aphasia. Aphasiology, 2005, 19, 831-848.	2.2	55
77	Neural representations of two-digit numbers: A parametric fMRI study. NeuroImage, 2006, 29, 358-367.	4.2	54
78	Determination of Cognitive Hemispheric Lateralization by "Functional―Transcranial Doppler Cross-Validated by Functional MRI. Stroke, 1999, 30, 939-945.	2.0	53
79	On The Impact of Different Number Representations in the Number Bisection Task. Cortex, 2002, 38, 691-715.	2.4	53
80	On the functional role of human parietal cortex in number processing: How gender mediates the impact of a â€`virtual lesion' induced by rTMS. Neuropsychologia, 2006, 44, 2270-2283.	1.6	53
81	Transcoding abilities in typical and atypical mathematics achievers: The role of working memory and procedural and lexical competencies. Journal of Experimental Child Psychology, 2013, 116, 707-727.	1.4	53
82	Outcome of a One-Month Therapy Intensive for Chronic Aphasia: Variable Individual Responses. Seminars in Speech and Language, 2010, 31, 021-033.	0.8	51
83	Math Anxiety Assessment with the Abbreviated Math Anxiety Scale: Applicability and Usefulness: Insights from the Polish Adaptation. Frontiers in Psychology, 2015, 6, 1833.	2.1	51
84	In How Many Ways is the Approximate Number System Associated with Exact Calculation?. PLoS ONE, 2014, 9, e111155.	2.5	49
85	Spatial attention: more than intrinsic alerting?. Experimental Brain Research, 2006, 171, 16-25.	1.5	47
86	All for one but not one for all: How multiple number representations are recruited in one numerical task. Brain Research, 2008, 1187, 154-166.	2.2	47
87	Numerical ordering and symbolic arithmetic share frontal and parietal circuits in the right hemisphere. Neurolmage, 2014, 84, 786-795.	4.2	46
88	The exact vs. approximate distinction in numerical cognition may not be exact, but only approximate: How different processes work together in multi-digit addition. Brain and Cognition, 2009, 69, 369-381.	1.8	45
89	To carry or not to carry — Is this the question? Disentangling the carry effect in multi-digit addition. Acta Psychologica, 2010, 135, 67-76.	1.5	45
90	Induction of cognitive fatigue in MS patients through cognitive and physical load. Neuropsychological Rehabilitation, 2013, 23, 182-201.	1.6	45

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91	Modelâ€oriented naming therapy: Testing predictions of a connectionist model. Aphasiology, 2007, 21, 411-447.	2.2	43
92	Neighborhood consistency in mental arithmetic: Behavioral and ERP evidence. Behavioral and Brain Functions, 2007, 3, 66.	3.3	43
93	Considering the base rates of low performance in cognitively healthy older adults improves the accuracy to identify neurocognitive impairment with the Consortium to Establish a Registry for Alzheimer's Disease-Neuropsychological Assessment Battery (CERAD-NAB). European Archives of Psychiatry and Clinical Neuroscience. 2015. 265. 407-417.	3.2	43
94	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
95	A Refined Method to Relate Morphological and Functional Aspects of Aphasia. European Neurology, 1981, 20, 69-79.	1.4	42
96	Quality of life in aphasia: Validation of a pictorial self-rating procedure. Aphasiology, 2003, 17, 383-396.	2.2	42
97	A special role for numbers in working memory? An fMRI study. NeuroImage, 2006, 29, 1-14.	4.2	42
98	Two-digit number processing: holistic, decomposed or hybrid? A computational modelling approach. Psychological Research, 2011, 75, 290-306.	1.7	42
99	Neural underpinnings for model-oriented therapy of aphasic word production. Neuropsychologia, 2014, 57, 154-165.	1.6	42
100	Distinct Contributions of Dorsal and Ventral Streams to Imitation of Tool-Use and Communicative Gestures. Cerebral Cortex, 2018, 28, 474-492.	2.9	42
101	Facet theory applied to the construction and validation of the Aachen Aphasia Test. Brain and Language, 1983, 18, 259-276.	1.6	41
102	Differential effects of pain and spatial attention on digit representation in the human primary somatosensory cortex. NeuroReport, 2000, 11, 1289-1293.	1.2	40
103	Math Anxiety Questionnaire: Similar Latent Structure in Brazilian and German School Children. Child Development Research, 2012, 2012, 1-10.	1.9	39
104	Bilateral Bi-Cephalic Tdcs with Two Active Electrodes of the Same Polarity Modulates Bilateral Cognitive Processes Differentially. PLoS ONE, 2013, 8, e71607.	2.5	39
105	Is there a generalized right hemisphere dominance for mediating cerebral activation? Evidence from a choice reaction experiment with lateralized simple warning stimuli. Neuropsychologia, 1989, 27, 747-751.	1.6	38
106	Developmental changes in neural activation and psychophysiological interaction patterns of brain regions associated with interference control and time perception. NeuroImage, 2008, 43, 399-409.	4.2	38
107	Rehabilitation of arithmetic fact retrieval via extensive practice: A combined fMRI and behavioural case-study. Neuropsychological Rehabilitation, 2009, 19, 422-443.	1.6	38
108	Internal number magnitude representation is not holistic, either. European Journal of Cognitive Psychology, 2009, 21, 672-685.	1.3	38

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109	The Role of Finger Representations and Saccades for Number Processing: An fMRI Study in Children. Frontiers in Psychology, 2011, 2, 373.	2.1	38
110	Revealing the Functional Neuroanatomy of Intrinsic Alertness Using fMRI: Methodological Peculiarities. PLoS ONE, 2011, 6, e25453.	2.5	38
111	Statistical methods for a single-case study approach to aphasia therapy research. Aphasiology, 1990, 4, 415-436.	2.2	37
112	Silent microemboli related to diagnostic cerebral angiography: a matter of operator's experience and patient's disease. Neuroradiology, 2006, 48, 387-393.	2.2	37
113	Similar Autonomic Responsivity in Boys With Conduct Disorder and Their Fathers. Journal of the American Academy of Child and Adolescent Psychiatry, 2007, 46, 535-544.	0.5	36
114	Spatial–Numerical and Ordinal Positional Associations Coexist in Parallel. Frontiers in Psychology, 2016, 7, 438.	2.1	36
115	A general model framework for multisymbol number comparison Psychological Review, 2016, 123, 667-695.	3.8	36
116	Aspects of disturbed prosody in dysarthria. Clinical Linguistics and Phonetics, 1993, 7, 119-128.	0.9	34
117	Surveillance Program for Former PCB-Exposed Workers of a Transformer and Capacitor Recycling Company, Family Members, Employees of Surrounding Companies, and Area Residents—Executive Summary. Journal of Toxicology and Environmental Health - Part A: Current Issues, 2012, 75, 1241-1247.	2.3	34
118	Decimal fraction representations are not distinct from natural number representations ââ,¬â€œ evidence from a combined eye-tracking and computational modeling approach. Frontiers in Human Neuroscience, 2014, 8, 172.	2.0	34
119	Joint independent component analysis of structural and functional images reveals complex patterns of functional reorganisation in stroke aphasia. NeuroImage, 2009, 47, 2057-2063.	4.2	33
120	Embodied markedness of parity? Examining handedness effects on parity judgments. Psychological Research, 2015, 79, 963-977.	1.7	33
121	Recovery of Semantic Word Processing in Transcortical Sensory Aphasia: a Functional Magnetic Resonance Imaging Study. Neurocase, 2002, 8, 376-386.	0.6	32
122	Factors related to the magnitude of T2* MR signal changes during functional imaging. Neuroradiology, 2002, 44, 459-466.	2.2	32
123	Analysis of intersubject variability in activation: An application to the incidental episodic retrieval during recognition test. Human Brain Mapping, 2007, 28, 49-58.	3.6	32
124	Modulating arithmetic fact retrieval: A single-blind, sham-controlled tDCS study with repeated fMRI measurements. Neuropsychologia, 2013, 51, 1279-1286.	1.6	32
125	Axial movements in ideomotor apraxia. Journal of Neurology, Neurosurgery and Psychiatry, 1982, 45, 1125-1129.	1.9	31
126	Neural correlates in exceptional mental arithmetic—About the neural architecture of prodigious skills. Neuropsychologia, 2010, 48, 1407-1416.	1.6	31

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127	Semantic Event-Related Potential Components Reflect Severity of Comprehension Deficits in Aphasia. Neurorehabilitation and Neural Repair, 2010, 24, 282-289.	2.9	30
128	White matter neuro-plasticity in mental arithmetic: Changes in hippocampal connectivity following arithmetic drill training. Cortex, 2019, 114, 115-123.	2.4	30
129	Basic parameters of spontaneous speech as a sensitive method for measuring change during the course of aphasia. International Journal of Language and Communication Disorders, 2008, 43, 408-426.	1.5	29
130	Influence of Anodal Transcranial Direct Current Stimulation (tDCS) over the Right Angular Gyrus on Brain Activity during Rest. PLoS ONE, 2014, 9, e95984.	2.5	29
131	The influence of an external symbol system on number parity representation, or What's odd about 6?. Psychonomic Bulletin and Review, 2006, 13, 730-736.	2.8	28
132	Training in the use of wh-questions and prepositions in dialogues: A comparison of two different approaches in aphasia therapy. Aphasiology, 1993, 7, 251-270.	2.2	27
133	Rehabilitation of Unilateral Neglect: A Controlled Multiple-Baseline-Across-Subjects Trial Using Computerised Training Procedures. Neuropsychological Rehabilitation, 1997, 7, 279-294.	1.6	27
134	Lexical decision of nonwords and pseudowords in humans: a positron emission tomography study. Neuroscience Letters, 2003, 345, 177-181.	2.1	27
135	Effects of enzymatic blood defibrination in subcortical arteriosclerotic encephalopathy Journal of Neurology, Neurosurgery and Psychiatry, 1988, 51, 1051-1057.	1.9	26
136	Active and remitted schizophrenia: psychopathological and regional cerebral blood flow findings. Psychiatry Research - Neuroimaging, 1999, 90, 17-30.	1.8	26
137	The neural correlate of very-long-term picture priming. European Journal of Neuroscience, 2005, 21, 1101-1106.	2.6	26
138	Spatial representations of numbers in children and their connection with calculation abilities. Cortex, 2008, 44, 420-428.	2.4	26
139	Explaining school mathematics performance from symbolic and nonsymbolic magnitude processing: Similarities and differences between typical and low-achieving children Psychology and Neuroscience, 2012, 5, 37-46.	0.8	26
140	Effects of Interhemispheric Communication on Two-Digit Arabic Number Processing. Cortex, 2006, 42, 1128-1137.	2.4	25
141	Differential Language Effects on Numerical Skills in Second Grade. Journal of Cross-Cultural Psychology, 2011, 42, 614-629.	1.6	25
142	Diagnosing Developmental Dyscalculia on the Basis of Reliable Single Case FMRI Methods: Promises and Limitations. PLoS ONE, 2013, 8, e83722.	2.5	25
143	Huntington's disease: visuomotor disturbance in patients and offspring Journal of Neurology, Neurosurgery and Psychiatry, 1985, 48, 426-433.	1.9	24
144	Using parametric regressors to disentangle properties of multi-feature processes. Behavioral and Brain Functions, 2008, 4, 38.	3.3	24

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145	Categorical and continuous - disentangling the neural correlates of the carry effect in multi-digit addition. Behavioral and Brain Functions, 2010, 6, 70.	3.3	24
146	How efficacious is pace-therapy when â€~language systematic training' is incorporated?. Aphasiology, 1991, 5, 391-399.	2.2	23
147	Power grip disinhibits the ipsilateral sensorimotor cortex: a TMS and fMRI study. NeuroImage, 2003, 19, 332-340.	4.2	23
148	On the neuro-cognitive foundations of basic auditory number processing: an fMRI study. Behavioral and Brain Functions, 2010, 6, 42.	3.3	23
149	Early postictal serum lactate concentrations are superior to serum creatine kinase concentrations in distinguishing generalized tonic–clonic seizures from syncopes. Internal and Emergency Medicine, 2018, 13, 749-755.	2.0	23
150	A Systematic Investigation of Accuracy and Response Time Based Measures Used to Index ANS Acuity. PLoS ONE, 2016, 11, e0163076.	2.5	23
151	Cognitive neuropsychological models of adult calculation and number processing: the role of the surface format of numbers. European Child and Adolescent Psychiatry, 2000, 9, S27-S40.	4.7	22
152	Do Signers Think Differently? the Processing of Number Parity in Deaf Participants. Cortex, 2004, 40, 176-178.	2.4	22
153	The role of crossmodal competition and dimensional overlap in crossmodal attention switching. Acta Psychologica, 2015, 155, 67-76.	1.5	22
154	The contribution of phonation type to the perception of vocal emotions in German: An articulatory synthesis study. Journal of the Acoustical Society of America, 2015, 137, 1503-1512.	1.1	22
155	Neuropsychological effects of occupational exposure to polychlorinated biphenyls. NeuroToxicology, 2017, 63, 106-119.	3.0	22
156	Where numbers meet words: A common ventral network for semantic classification. Scandinavian Journal of Psychology, 2014, 55, 202-211.	1.5	21
157	Relationship between pulsatility indices of doppler flow signals and CO2-reactivity within the middle cerebral artery in extracranial occlusive disease. Ultrasound in Medicine and Biology, 1990, 16, 763-772.	1.5	20
158	Command Hallucinations: Who Obeys and Who Resists When?. Psychopathology, 2002, 35, 272-279.	1.5	20
159	Eye fixation behaviour in the number bisection task: Evidence for temporal specificity. Acta Psychologica, 2009, 131, 209-220.	1.5	20
160	Processing word prosodyââ,¬â€behavioral and neuroimaging evidence for heterogeneous performance in a language with variable stress. Frontiers in Psychology, 2014, 5, 365.	2.1	20
161	Intransparent German number words complicate transcoding ââ,¬â€œ a translingual comparison with Japanese. Frontiers in Psychology, 2015, 06, 740	2.1	20
162	Shifts in target modality cause attentional reset: Evidence from sequential modulation of crossmodal congruency effects. Psychonomic Bulletin and Review, 2016, 23, 1466-1473.	2.8	20

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163	Bringing Back the Balance: Domain-General Processes Are Also Important in Numerical Cognition. Frontiers in Psychology, 2017, 8, 499.	2.1	20
164	Driving ability of aphasic and non-aphasic brain-damaged patients. Neuropsychological Rehabilitation, 1991, 1, 161-174.	1.6	19
165	Segmental Bioelectrical Impedance Spectroscopy to Monitor Fluid Status in Heart Failure. Scientific Reports, 2020, 10, 3577.	3.3	19
166	Do different ischemic brain lesions have different hemorheological profiles?. Klinische Wochenschrift, 1986, 64, 357-361.	0.6	18
167	Number representation deficit: a bilingual case of failure to access written verbal numeral representations. Neuropsychologia, 2002, 40, 2341-2349.	1.6	18
168	Variability of the Snarc Effect: Systematic Interindividual Differences or Just Random Error?. Cortex, 2006, 42, 1119-1123.	2.4	18
169	Semantic processing of crowded stimuli?. Psychological Research, 2008, 72, 648-656.	1.7	18
170	Chapter 17 Acalculia. Handbook of Clinical Neurology / Edited By P J Vinken and G W Bruyn, 2008, 88, 339-358.	1.8	18
171	What Accounts for Individual and Gender Differences in the Multi-Digit Number Processing of Primary School Children?. Zeitschrift Fur Psychologie / Journal of Psychology, 2012, 220, 78-89.	1.0	18
172	Norms and validation of the online and paper-and-pencil versions of the Abbreviated Math Anxiety Scale (AMAS) for Polish adolescents and adults. Journal of Numerical Cognition, 2017, 3, 667-693.	1.2	18
173	Is there parallel and independent hemispheric processing of intonational and phonetic components of dichotic speech stimuli?. Brain and Language, 1985, 24, 83-99.	1.6	17
174	Prospective demonstration of short-term motor plasticity following acquired central pareses. NeuroImage, 2005, 24, 1248-1255.	4.2	17
175	Representation of Multiplication Facts-Evidence for partial verbal coding. Behavioral and Brain Functions, 2011, 7, 25.	3.3	17
176	Multimodal Semantic Quantity Representations: Further Evidence from Korean Sign Language. Frontiers in Psychology, 2011, 2, 389.	2.1	17
177	Comparison of fMRI activation patterns for test and training procedures of alertness and focused attention. Restorative Neurology and Neuroscience, 2013, 31, 311-336.	0.7	17
178	Magnitude representation in sequential comparison of two-digit numbers is not holistic either. Cognitive Processing, 2013, 14, 51-62.	1.4	17
179	Differential patterns of disordered eating in subjects with ADHD and overweight ^a . World Journal of Biological Psychiatry, 2011, 12, 118-123.	2.6	16
180	Micro and macro pattern analyses of fMRI data support both early and late interaction of numerical and spatial information. Frontiers in Human Neuroscience, 2011, 5, 115.	2.0	16

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181	Are reaction times obtained during fMRI scanning reliable and valid measures of behavior?. Experimental Brain Research, 2013, 227, 93-100.	1.5	16
182	Computer-assisted analysis of spontaneous speech: quantification of basic parameters in aphasic and unimpaired language. Clinical Linguistics and Phonetics, 2012, 26, 661-680.	0.9	15
183	Comparing a single case to a control group – Applying linear mixed effects models to repeated measures data. Cortex, 2015, 71, 148-159.	2.4	15
184	A new look at the token test using probabilistic test models. Neuropsychologia, 1981, 19, 631-646.	1.6	14
185	Tracing the ventral stream for auditory speech processing in the temporal lobe by using a combined time series and independent component analysis. Neuroscience Letters, 2008, 442, 180-185.	2.1	14
186	Assessing construct validity of the self-rating version of the European Brain Injury Questionnaire (EBIQ) using Rasch analysis. Neuropsychological Rehabilitation, 2009, 19, 941-954.	1.6	14
187	Sensitivity, Reproducibility, and Reliability of Self-Paced Versus Fixed Stimulus Presentation in an fMRI Study on Exact, Non-Symbolic Arithmetic in Typically Developing Children Aged Between 6 and 12 Years. Developmental Neuropsychology, 2011, 36, 721-740.	1.4	14
188	From intersubject variability in clinical syndromes to anatomical variability. Brain and Language, 2006, 96, 147-150.	1.6	13
189	A Computational Modeling Approach on Threeâ€Digit Number Processing. Topics in Cognitive Science, 2013, 5, 317-334.	1.9	13
190	A neural disconnection hypothesis on impaired numerical processing. Frontiers in Human Neuroscience, 2013, 7, 663.	2.0	13
191	Processing of Numerical and Proportional Quantifiers. Cognitive Science, 2015, 39, 1504-1536.	1.7	13
192	Cognitive Profiles of Developmental Dysgraphia. Frontiers in Psychology, 2018, 9, 2006.	2.1	13
193	Cross linguistic aphasia testing: The Portuguese version of the Aachen Aphasia Test (AAT). Journal of the International Neuropsychological Society, 2008, 14, 1046-1056.	1.8	12
194	Effect of visual complexity in tachistoscopic recognition of Kanji and Kana symbols by German subjects. Neuropsychologia, 1986, 24, 297-300.	1.6	11
195	Effects of spatial arrangement of letter pairs in a name-matching task with unilateral and bilateral hemifield stimulation. Neuropsychologia, 1988, 26, 591-602.	1.6	11
196	Interrater agreement for CT scans of patients with lacunar infarcts and leuko-araiosis. Acta Neurologica Scandinavica, 1991, 84, 527-530.	2.1	11
197	Processing of Homonyms: A Functional MRI Study on the Separation of Word Forms from Concepts. Cortex, 2001, 37, 745-749.	2.4	11
198	The Hands Have It: Number Representations in Adult Deaf Signers. Journal of Deaf Studies and Deaf Education, 2007, 12, 362-372.	1.2	11

#	Article	IF	CITATIONS
199	The methodological and statistical foundations of neuropsychological assessment. , 2010, , 28-49.		11
200	High-resolution language mapping of Broca's region with transcranial magnetic stimulation. Brain Structure and Function, 2018, 223, 1297-1312.	2.3	11
201	The design and application of a data- and methodbase system for the Aachen Aphasia Test. Neuropsychologia, 1987, 25, 725-733.	1.6	10
202	The efficacy of modelling in pace-therapy. Aphasiology, 1991, 5, 425-429.	2.2	10
203	What do Semi-Illiterate Adults Know About 2-Digit Arabic Numbers?. Cortex, 2006, 42, 48-56.	2.4	10
204	Neurogenic pulmonary edema following seizures: A retrospective computed tomography study. Epilepsy and Behavior, 2019, 94, 112-117.	1.7	10
205	Executive functions in aphasia: A novel aphasia screening for cognitive flexibility in everyday communication. Neuropsychological Rehabilitation, 2020, 30, 1701-1719.	1.6	10
206	The prevalence of apraxia of speech in chronic aphasia after stroke: A bayesian hierarchical analysis. Cortex, 2022, 151, 15-29.	2.4	10
207	Word stress processing in specific language impairment: Auditory or representational deficits?. Clinical Linguistics and Phonetics, 2013, 27, 594-615.	0.9	9
208	Patterns of linguistic and numerical performance in aphasia. Behavioral and Brain Functions, 2015, 11, 2.	3.3	9
209	Differing Connectivity of Exner's Area for Numbers and Letters. Frontiers in Human Neuroscience, 2016, 10, 281.	2.0	9
210	Operationalising treatment success in aphasia rehabilitation. Aphasiology, 2023, 37, 1693-1732.	2.2	9
211	Spatial displacement of numbers on a vertical number line in spatial neglect. Frontiers in Human Neuroscience, 2015, 9, 240.	2.0	8
212	Sucking patterns are not predictive of further feeding development in healthy preterm infants. , 2020, 58, 101412.		8
213	Metaphor processing is supramodal semantic processing: The role of the bilateral lateral temporal regions in multimodal communication. Brain and Language, 2020, 205, 104772.	1.6	8
214	Language disturbances after severe head injury: Do neurological or other associated cognitive disorders influence type, severity and evolution of the verbal impairment? A preliminary report. Aphasiology, 1989, 3, 643-653.	2.2	7
215	Treating number transcoding difficulties in a chronic aphasic patient. Aphasiology, 2006, 20, 37-58.	2.2	7
216	Measurement of trained speech patterns in stuttering: Interjudge and intrajudge agreement of experts by means of modified time-interval analysis. Journal of Fluency Disorders, 2010, 35, 299-313.	1.7	7

#	Article	IF	CITATIONS
217	Common networks for selective auditory attention for sounds and words? An fMRI study with implications for attention rehabilitation. Restorative Neurology and Neuroscience, 2011, 29, 73-83.	0.7	7
218	Object-based neglect in number processing. Behavioral and Brain Functions, 2013, 9, 5.	3.3	7
219	Combined Space and Alertness Related Therapy of Visual Hemineglect: Effect of Therapy Frequency. Frontiers in Human Neuroscience, 2013, 7, 373.	2.0	7
220	Prelexical phonetic and early lexical development in German-acquiring infants: canonical babbling and first spoken words. Clinical Linguistics and Phonetics, 2021, 35, 185-200.	0.9	7
221	The novel cognitive flexibility in aphasia therapy (CFAT): A combined treatment of aphasia and executive functions to improve communicative success. International Journal of Speech-Language Pathology, 2021, 23, 168-179.	1.2	7
222	Multi-Digit Number Processing. Zeitschrift Fur Psychologie / Journal of Psychology, 2011, 219, 1-2.	1.0	7
223	Construct validity of modified time-interval analysis in measuring stuttering and trained speaking patterns. Journal of Fluency Disorders, 2012, 37, 42-53.	1.7	6
224	Single-digit arithmetic processingââ,¬â€anatomical evidence from statistical voxel-based lesion analysis. Frontiers in Human Neuroscience, 2014, 8, 286.	2.0	6
225	Multilingual two-digit number naming: The influence of composition rules on language switching. Quarterly Journal of Experimental Psychology, 2020, 73, 1481-1494.	1.1	6
226	The role of phonological awareness in treatments of dyslexic primary school children. Acta Neurobiologiae Experimentalis, 2015, 75, 80-106.	0.7	6
227	Recovering from Acquired Childhood Aphasia (ACA)–20 Years Later, Learning about the Neuroplasticity of Language. Behavioural Neurology, 2010, 23, 195-197.	2.1	5
228	Number Representation: A Question of Look? The Distance Effect in Comparison of English and Turkish Number Words. Quarterly Journal of Experimental Psychology, 2014, 67, 260-270.	1.1	5
229	Phonological picture–word interference in language mapping with transcranial magnetic stimulation: an objective approach for functional parcellation of Broca's region. Brain Structure and Function, 2019, 224, 2027-2044.	2.3	5
230	Professional mathematicians do not differ from others in the symbolic numerical distance and size effects. Scientific Reports, 2020, 10, 11531.	3.3	5
231	Pattern of Regional Cerebral Blood Flow Related to Visual and Motor Imagery: Results of Emission Computerized Tomography. , 1988, , 363-373.		5
232	A Comparison between the LEHMACHER & WALL Rank Tests and Pyhel's Permutation Test for the Analysis ofr Independent Samples of Response Curves. Biometrical Journal, 1982, 24, 717-722.	1.0	4
233	Methodological and Statistical Considerations in Cognitive Neurolinguistics. , 1998, , 57-70.		4
234	Some Psychometric Issues in Aphasia Therapy Research. , 2003, , 227-244.		4

Some Psychometric Issues in Aphasia Therapy Research. , 2003, , 227-244. 234

#	Article	IF	CITATIONS
235	Cognitive control in number processing: new evidence from task switching. Psychological Research, 2020, 85, 2578-2587.	1.7	4
236	Psychometric Evaluation of Neuropsychological Test Performances. , 1992, , 103-113.		4
237	Functional Reorganization after Training of Alertness in Two Patients with Right-Hemisphere Lesions. Zeitschrift Für Neuropsychologie = Journal of Neuropsychology, 2000, 11, 250-261.	0.6	4
238	Update on the psychometric properties for the Italian version of the Aachen Aphasia Test (IT-AAT). Aphasiology, 2023, 37, 658-695.	2.2	4
239	Callosal transfer of information - detour or short-cut?. Behavioural Brain Research, 1985, 16, 207.	2.2	3
240	Recovery of word form processing after left inferior parietal lesion: A single case fMRI study. Brain and Language, 2003, 87, 124-125.	1.6	3
241	Using a connectionist model in aphasia therapy for naming disorders. Brain and Language, 2005, 95, 102-104.	1.6	3
242	What letters can "learn―from Arabic digits – fMRI-controlled single case therapy study of peripheral agraphia. Brain and Language, 2015, 149, 13-26.	1.6	3
243	Modality-specific preparatory influences on the flexibility of cognitive control in task switching. Journal of Cognitive Psychology, 2017, 29, 607-617.	0.9	3
244	Handling or being the concept: An fMRI study on metonymy representations in coverbal gestures. Neuropsychologia, 2018, 109, 232-244.	1.6	3
245	Gestational age modulates neural correlates of intentional, but not automatic number magnitude processing in children born preterm. International Journal of Developmental Neuroscience, 2018, 65, 38-44.	1.6	3
246	Treatment of acquired aphasia: speech therapists and volunteers compared Journal of Neurology, Neurosurgery and Psychiatry, 1983, 46, 691-693.	1.9	2
247	Left hemispheric interference with nonverbal performance in aphasics: Comparison with data from split-brain studies. Brain and Cognition, 1988, 8, 137-146.	1.8	2
248	<title>Unsupervised time course analysis of functional magnetic resonance imaging (fMRI) using self-organizing maps (SOMs)</title> . , 1999, 3660, 19.		2
249	Increasing versus vanishing cues in naming therapy. Brain and Language, 2003, 87, 143-144.	1.6	2
250	Differential Effects of Lowered Arousal on Covert and Overt Shifts of Attention. Journal of the International Neuropsychological Society, 2015, 21, 545-557.	1.8	2
251	The curse of serial dependency in single-case data—commentary on Howard, Best, and Nickels' "Optimising the design of intervention studies: critiques and ways forward― Aphasiology, 2015, 29, 615-618.	2.2	2
252	Do long-term tongue piercings affect speech quality?. Logopedics Phoniatrics Vocology, 2017, 42, 126-132.	1.0	2

#	Article	IF	CITATIONS
253	The novel languageâ€systematic aphasia screening SAPS: screeningâ€based therapy in combination with computerised home training. International Journal of Language and Communication Disorders, 2018, 53, 308-323.	1.5	2
254	Anticipation of difficult tasks: neural correlates of negative emotions and emotion regulation. Behavioral and Brain Functions, 2019, 15, 4.	3.3	2
255	Hemispheric Dominance for Language and Side Effects in Mapping the Inferior Frontal Junction Area with Transcranial Magnetic Stimulation. Journal of Neurological Surgery, Part A: Central European Neurosurgery, 2020, 81, 130-137.	0.8	2
256	Die Wirkung von Piracetam bei der logopÃ d ischen Intensivtherapie von chronisch aphasischen Patienten. , 1988, , 177-187.		2
257	Interfered-Naming Therapy for Aphasia (INTA): a neuroscience-based approach to improve linguistic-executive processing. Aphasiology, 2023, 37, 205-226.	2.2	2
258	Cognitive control in number processing: new evidence from number compatibility effects in task-switching. Cognitive Processing, 2022, , 1.	1.4	2
259	Poeck and Willmes reply. Journal of Neurology, Neurosurgery and Psychiatry, 1988, 51, 595-596.	1.9	1
260	Sensorimotor Learning in Ideomotor Apraxia. Perceptual and Motor Skills, 1995, 81, 1123-1129.	1.3	1
261	<title>Analysis of event-related fMRI using nonlinear regression self-organizing map neural network</title> .,2001,,.		1
262	What letters can "learn―from numbers or Writing Y with a cocktail glass - A Single case fMRI Study of peripheral frontal agraphia. Procedia, Social and Behavioral Sciences, 2010, 6, 156-157.	0.5	1
263	Numerical developmentââ,¬â€from cognitive functions to neural underpinnings. Frontiers in Psychology, 2014, 5, 1047.	2.1	1
264	Modern Interdisciplinary and Interhospital Acute Stroke Therapy—What Patients Think About It and What They Really Understand. Journal of Stroke and Cerebrovascular Diseases, 2018, 27, 2669-2676.	1.6	1
265	Cardiac stress after electroconvulsive therapy and spontaneous generalized convulsive seizures: A prospective echocardiographic and blood biomarker study. Epilepsy and Behavior, 2019, 101, 106565.	1.7	1
266	Number cognition. Cortex, 2019, 114, 1-4.	2.4	1
267	Interplay of morphological configuration and language switching in numerical processing and word processing. Journal of Experimental Psychology: Learning Memory and Cognition, 2021, 47, 1527-1545.	0.9	1
268	Zahlenverarbeitung und Rechnen. , 2013, , 443-455.		1
269	Knowledge-based approach for functional MRI analysis by SOM neural network using prior labels from Talairach stereotaxic space. , 2002, , .		1
270	Statistische und psychometrische Aspekte in der Neuropsychologie. , 2009, , 275-299.		1

270 Statistische und psychometrische Aspekte in der Neuropsychologie., 2009, , 275-299.

#	Article	IF	CITATIONS
271	The inter-rater objectivity of evoked potential analysis and interpretation subject to prior information. Electroencephalography and Clinical Neurophysiology, 1985, 61, S88-S89.	0.3	0
272	Regional cerebral blood flow in visual and motor imagery — Results of single photon emission computed tomography (spect). Behavioural Brain Research, 1987, 26, 218-218.	2.2	0
273	<title>Analysis of short single rest/activation epoch fMRI by self-organizing map neural network</title> . , 2000, 3978, 258.		0
274	Functional activation in number processing may be specific to notation, task, and individual strategy. NeuroImage, 2001, 13, 579.	4.2	0
275	The Hyperdense Posterior Cerebral Artery. Klinische Neuroradiologie, 2006, 16, 33-40.	0.9	0
276	Randomized Controlled Therapy Effectiveness Trials in Aphasia: The Psychometric Properties of a Novel Speech-systematic Aphasia Screening (SAPS). Procedia, Social and Behavioral Sciences, 2013, 94, 283-285.	0.5	0
277	Training-related changes of brain activation for speech production in healthy speakers – a longitudinal fMRI study to mimic aphasia therapy. Aphasiology, 0, , 1-24.	2.2	0
278	Intensive speech and language therapy after stroke – Authors' reply. Lancet, The, 2017, 390, 228-229.	13.7	0
279	Deficits in or preservation of basic number processing in Parkinson's disease? A registered report. Journal of Neuroscience Research, 2021, 99, 2390-2405.	2.9	0
280	Wissensbasierte Optimierung von Selbstorganisierenden Merkmalskarten (SOM) zur Analyse von funktionellen Magnetresonanztomographien (fMRT). Informatik Aktuell, 2000, , 361-365.	0.6	0
281	Visuelles System und Objektverarbeitung. , 2013, , 319-343.		0
282	Akalkulie. , 2013, , 577-586.		0
283	Therapy monitoring. , 1992, , 41-63.		0
284	Interfered-Naming Therapy for Aphasia (INTA): behavioural and computational effects of a novel linguistic-executive approach. Aphasiology, 0, , 1-22.	2.2	0
285	Zahlenverarbeitung und Rechnen. , 2007, , 321-332.		0
286	Akalkulie. , 2007, , 443-449.		0
287	The Szenario-Kids: Psychometric properties of a novel, participation-oriented language assessment as determined in children and youth without communication deficits. Child Language Teaching and Therapy, 0, , 026565902211113.	0.9	0