

Stefan Heim

List of Publications by Year in descending order

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Version: 2024-02-01

91
papers

3,565
citations

218592

26
h-index

149623

56
g-index

102
all docs

102
docs citations

102
times ranked

4403
citing authors

#	ARTICLE	IF	CITATIONS
1	Facial Emotion Recognition in Patients with Post-Paralytic Facial Synkinesisâ€”A Present Competence. <i>Diagnostics</i> , 2022, 12, 1138.	1.3	2
2	Neural correlates of spontaneous language production in two patients with right hemispheric language dominance. <i>Aphasiology</i> , 2021, 35, 1482-1504.	1.4	0
3	Comprehensive verbal fluency features predict executive function performance. <i>Scientific Reports</i> , 2021, 11, 6929.	1.6	23
4	A linguistic complexity pattern that defies aging: The processing of multiple negations. <i>Journal of Neurolinguistics</i> , 2021, 58, 100982.	0.5	2
5	Adaptation of a semantic picture-word interference paradigm for future language mapping with transcranial magnetic stimulation: A behavioural study. <i>Behavioural Brain Research</i> , 2021, 412, 113418.	1.2	2
6	Identification of Phonology-Related Genes and Functional Characterization of Brocaâ€™s and Wernickeâ€™s Regions in Language and Learning Disorders. <i>Frontiers in Neuroscience</i> , 2021, 15, 680762.	1.4	7
7	The influence of semantic associations on sentence production in schizophrenia: an fMRI study. <i>European Archives of Psychiatry and Clinical Neuroscience</i> , 2020, 270, 359-372.	1.8	3
8	Development of Behavior Problems in Children with and without Specific Learning Disorders in Reading and Spelling from Kindergarten to Fifth Grade. <i>Scientific Studies of Reading</i> , 2020, 24, 57-71.	1.3	12
9	Executive functions predict verbal fluency scores in healthy participants. <i>Scientific Reports</i> , 2020, 10, 11141.	1.6	63
10	Hemispheric Dominance for Language and Side Effects in Mapping the Inferior Frontal Junction Area with Transcranial Magnetic Stimulation. <i>Journal of Neurological Surgery, Part A: Central European Neurosurgery</i> , 2020, 81, 130-137.	0.4	2
11	Neuroanatomy of dyslexia: An allometric approach. <i>European Journal of Neuroscience</i> , 2020, 52, 3595-3609.	1.2	5
12	â€œFewâ€ or â€œManyâ€? An Adaptation Level Theory Account for Flexibility in Quantifier Processing. <i>Frontiers in Psychology</i> , 2020, 11, 382.	1.1	7
13	So Many Are â€œFew,â€ but so Few Are Also â€œFewâ€â€”Reduced Semantic Flexibility in bvFTD Patients. <i>Frontiers in Psychology</i> , 2020, 11, 582.	1.1	4
14	Bilingualism and â€œbrain reserveâ€: a matter of age. <i>Neurobiology of Aging</i> , 2019, 81, 157-165.	1.5	23
15	Phonological pictureâ€”word interference in language mapping with transcranial magnetic stimulation: an objective approach for functional parcellation of Brocaâ€™s region. <i>Brain Structure and Function</i> , 2019, 224, 2027-2044.	1.2	5
16	High-resolution language mapping of Brocaâ€™s region with transcranial magnetic stimulation. <i>Brain Structure and Function</i> , 2018, 223, 1297-1312.	1.2	11
17	Sentence repetition deficits in the logopenic variant of PPA: linguistic analysis of longitudinal and cross-sectional data. <i>Aphasiology</i> , 2018, 32, 1445-1467.	1.4	9
18	Cognitive Profiles of Developmental Dysgraphia. <i>Frontiers in Psychology</i> , 2018, 9, 2006.	1.1	13

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19	Performance in Sound-Symbol Learning Predicts Reading Performance 3 Years Later. <i>Frontiers in Psychology</i> , 2018, 9, 1716.	1.1	15
20	Reading without words or target detection? A re-analysis and replication fMRI study of the Landolt paradigm. <i>Brain Structure and Function</i> , 2018, 223, 3447-3461.	1.2	0
21	Cross-cultural consistency and diversity in intrinsic functional organization of Broca's Region. <i>NeuroImage</i> , 2017, 150, 177-190.	2.1	20
22	Multi-parameter machine learning approach to the neuroanatomical basis of developmental dyslexia. <i>Human Brain Mapping</i> , 2017, 38, 900-908.	1.9	44
23	A Nap But Not Rest or Activity Consolidates Language Learning. <i>Frontiers in Psychology</i> , 2017, 8, 665.	1.1	8
24	Cognition in Friedreich's ataxia: a behavioral and multimodal imaging study. <i>Annals of Clinical and Translational Neurology</i> , 2016, 3, 572-587.	1.7	50
25	How the brain learns how few are "many" An fMRI study of the flexibility of quantifier semantics. <i>NeuroImage</i> , 2016, 125, 45-52.	2.1	5
26	Processing of Numerical and Proportional Quantifiers. <i>Cognitive Science</i> , 2015, 39, 1504-1536.	0.8	13
27	How reliable are gray matter disruptions in specific reading disability across multiple countries and languages? insights from a large-scale voxel-based morphometry study. <i>Human Brain Mapping</i> , 2015, 36, 1741-1754.	1.9	67
28	Determinants of Concurrent Motor and Language Recovery during Intensive Therapy in Chronic Stroke Patients: Four Single-Case Studies. <i>Frontiers in Neurology</i> , 2015, 6, 215.	1.1	13
29	If so many are "few," how few are "many"? <i>Frontiers in Psychology</i> , 2015, 6, 441.	1.1	6
30	Kindergarteners'™ performance in a sound-symbol paradigm predicts early reading. <i>Journal of Experimental Child Psychology</i> , 2015, 139, 256-264.	0.7	25
31	Shared vs. specific brain activation changes in dyslexia after training of phonology, attention, or reading. <i>Brain Structure and Function</i> , 2015, 220, 2191-2207.	1.2	36
32	Developmental Dyslexia and Dysgraphia: What can We Learn from the One About the Other?. <i>Frontiers in Psychology</i> , 2015, 6, 2045.	1.1	47
33	The role of phonological awareness in treatments of dyslexic primary school children. <i>Acta Neurobiologiae Experimentalis</i> , 2015, 75, 80-106.	0.4	6
34	The neural correlates of agrammatism: Evidence from aphasic and healthy speakers performing an overt picture description task. <i>Frontiers in Psychology</i> , 2014, 5, 246.	1.1	8
35	Processing word prosody: behavioral and neuroimaging evidence for heterogeneous performance in a language with variable stress. <i>Frontiers in Psychology</i> , 2014, 5, 365.	1.1	20
36	Devil in the details? Developmental dyslexia and visual long-term memory for details. <i>Frontiers in Psychology</i> , 2014, 5, 686.	1.1	14

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37	Neural correlates of semantic associations in patients with schizophrenia. <i>European Archives of Psychiatry and Clinical Neuroscience</i> , 2014, 264, 143-154.	1.8	15
38	Cognitive subtypes of dyslexia are characterized by distinct patterns of grey matter volume. <i>Brain Structure and Function</i> , 2014, 219, 1697-1707.	1.2	58
39	Experimental induction of reading difficulties in normal readers provides novel insights into the neurofunctional mechanisms of visual word recognition. <i>Brain Structure and Function</i> , 2014, 219, 461-471.	1.2	4
40	Longitudinal changes in brains of patients with fluent primary progressive aphasia. <i>Brain and Language</i> , 2014, 131, 11-19.	0.8	13
41	Deeper insights into semantic relations: An fMRI study of part-whole and functional associations. <i>Brain and Language</i> , 2014, 129, 30-42.	0.8	12
42	Reply to: Cognitive dysfunction in spinocerebellar ataxia type 3: Variable topographies and patterns. <i>Movement Disorders</i> , 2014, 29, 157-158.	2.2	3
43	Progressive cognitive dysfunction in spinocerebellar ataxia type 3. <i>Movement Disorders</i> , 2013, 28, 1435-1438.	2.2	36
44	Differential role of the Mentalizing and the Mirror Neuron system in the imitation of communicative gestures. <i>NeuroImage</i> , 2013, 81, 294-305.	2.1	41
45	Is the Motor or the Garage More Important to the Car? The Difference Between Semantic Associations in Single Word and Sentence Production. <i>Journal of Psycholinguistic Research</i> , 2013, 42, 37-49.	0.7	16
46	Effects of lexicality and word frequency on brain activation in dyslexic readers. <i>Brain and Language</i> , 2013, 125, 194-202.	0.8	34
47	Distinct neural signatures of cognitive subtypes of dyslexia with and without phonological deficits. <i>NeuroImage: Clinical</i> , 2013, 2, 477-490.	1.4	22
48	Emotional Verbal Fluency: A New Task on Emotion and Executive Function Interaction. <i>Behavioral Sciences (Basel, Switzerland)</i> , 2013, 3, 372-387.	1.0	15
49	Neural representation of the sensorimotor speech "action-repository". <i>Frontiers in Human Neuroscience</i> , 2013, 7, 121.	1.0	11
50	Are abstract action words embodied? An fMRI investigation at the interface between language and motor cognition. <i>Frontiers in Human Neuroscience</i> , 2013, 7, 125.	1.0	87
51	Identifying brain systems for gaze orienting during reading: fMRI investigation of the Landolt paradigm. <i>Frontiers in Human Neuroscience</i> , 2013, 7, 384.	1.0	25
52	Advances in experimental psychopatholinguistics: What can we learn from simulation of disorder-like symptoms in human volunteers?. <i>Advances in Cognitive Psychology</i> , 2013, 9, 102-11.	0.2	3
53	Funktionelle Neuroanatomie der Sprache. , 2013, , 425-441.		0
54	Distinct neural signatures of cognitive subtypes of dyslexia: effects of lexicality during phonological processing. <i>Acta Neurobiologiae Experimentalis</i> , 2013, 73, 404-16.	0.4	8

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55	Gender-specific contribution of a visual cognition network to reading abilities. <i>British Journal of Psychology</i> , 2012, 103, 117-128.	1.2	19
56	From a concept to a word in a syntactically complete sentence: An fMRI study on spontaneous language production in an overt picture description task. <i>NeuroImage</i> , 2012, 61, 702-714.	2.1	44
57	Fingerprints of developmental dyslexia. <i>Trends in Neuroscience and Education</i> , 2012, 1, 10-14.	1.5	16
58	Dissociated Neural Processing for Decisions in Managers and Non-Managers. <i>PLoS ONE</i> , 2012, 7, e43537.	1.1	9
59	The Role of Human Parietal Area 7A as a Link between Sequencing in Hand Actions and in Overt Speech Production. <i>Frontiers in Psychology</i> , 2012, 3, 534.	1.1	23
60	The Language-Number Interface in the Brain: A Complex Parametric Study of Quantifiers and Quantities. <i>Frontiers in Evolutionary Neuroscience</i> , 2012, 4, 4.	3.7	19
61	The time course of neurolinguistic and neuropsychological symptoms in three cases of logopenic primary progressive aphasia. <i>Neuropsychologia</i> , 2012, 50, 1708-1718.	0.7	33
62	Word frequency effects in the left IFG in dyslexic and normally reading children during picture naming and reading. <i>NeuroImage</i> , 2011, 57, 1212-1220.	2.1	25
63	Mapping of functions to brain regions: A neuro-phonetic model of speech production, perception, and acquisition. <i>Faits De Langues</i> , 2011, 37, 203-212.	0.2	1
64	Moral Concepts Set Decision Strategies to Abstract Values. <i>PLoS ONE</i> , 2011, 6, e18451.	1.1	18
65	Electrophysiological evidence for the magnocellular-dorsal pathway deficit in dyslexia. <i>Developmental Science</i> , 2011, 14, 873-880.	1.3	20
66	Taboo: A Novel Paradigm to Elicit Aphasia-Like Trouble-Indicating Behaviour in Normally Speaking Individuals. <i>Journal of Psycholinguistic Research</i> , 2011, 40, 307-326.	0.7	8
67	Eliciting Dyslexic Symptoms in Proficient Readers by Simulating Deficits in Grapheme-to-Phoneme Conversion and Visuo-Magnocellular Processing. <i>Dyslexia</i> , 2011, 17, 268-281.	0.8	10
68	The Influence of Handedness on Hemispheric Interaction During Word Production: Insights from Effective Connectivity Analysis. <i>Brain Connectivity</i> , 2011, 1, 219-231.	0.8	13
69	Left cytoarchitectonic BA 44 processes syntactic gender violations in determiner phrases. <i>Human Brain Mapping</i> , 2010, 31, 1532-1541.	1.9	14
70	Interaction of phonological awareness and magnocellular processing during normal and dyslexic reading: behavioural and fMRI investigations. <i>Dyslexia</i> , 2010, 16, 258-282.	0.8	52
71	Cognitive levels of performance account for hemispheric lateralisation effects in dyslexic and normally reading children. <i>NeuroImage</i> , 2010, 53, 1346-1358.	2.1	24
72	Why the leash constrains the dog: the impact of semantic associations on sentence production. <i>Acta Neurobiologiae Experimentalis</i> , 2010, 70, 435-53.	0.4	9

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73	Effective connectivity of the left BA 44, BA 45, and inferior temporal gyrus during lexical and phonological decisions identified with DCM. <i>Human Brain Mapping</i> , 2009, 30, 392-402.	1.9	113
74	The determiner congruency effect in language production investigated with functional MRI. <i>Human Brain Mapping</i> , 2009, 30, 928-940.	1.9	29
75	Left cytoarchitectonic area 44 supports selection in the mental lexicon during language production. <i>Brain Structure and Function</i> , 2009, 213, 441-456.	1.2	44
76	Different roles of cytoarchitectonic BA 44 and BA 45 in phonological and semantic verbal fluency as revealed by dynamic causal modelling. <i>NeuroImage</i> , 2009, 48, 616-624.	2.1	83
77	A systems perspective on the effective connectivity of overt speech production. <i>Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences</i> , 2009, 367, 2399-2421.	1.6	182
78	Are numbers special? Comparing the generation of verbal materials from ordered categories (months) to numbers and other categories (animals) in an fMRI study. <i>Human Brain Mapping</i> , 2008, 29, 894-909.	1.9	45
79	Syntactic gender processing in the human brain: A review and a model. <i>Brain and Language</i> , 2008, 106, 55-64.	0.8	18
80	Specialisation in Broca's region for semantic, phonological, and syntactic fluency?. <i>NeuroImage</i> , 2008, 40, 1362-1368.	2.1	163
81	Cognitive subtypes of dyslexia. <i>Acta Neurobiologiae Experimentalis</i> , 2008, 68, 73-82.	0.4	85
82	Modality-independent involvement of the left BA 44 during lexical decision making. <i>Brain Structure and Function</i> , 2007, 212, 95-106.	1.2	24
83	Testing anatomically specified hypotheses in functional imaging using cytoarchitectonic maps. <i>NeuroImage</i> , 2006, 32, 570-582.	2.1	582
84	Head motion during overt language production in functional magnetic resonance imaging. <i>NeuroReport</i> , 2006, 17, 579-582.	0.6	37
85	BA 44 in Broca's area supports syntactic gender decisions in language production. <i>NeuroReport</i> , 2006, 17, 1097-1101.	0.6	14
86	The brain differentiates human and non-human grammars: Functional localization and structural connectivity. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2006, 103, 2458-2463.	3.3	572
87	Prosodic pitch accents in language comprehension and production: ERP data and acoustic analyses. <i>Acta Neurobiologiae Experimentalis</i> , 2006, 66, 55-68.	0.4	34
88	A dual-route account for access to grammatical gender: evidence from functional MRI. <i>Anatomy and Embryology</i> , 2005, 210, 473-483.	1.5	17
89	The role of the left Brodmann's areas 44 and 45 in reading words and pseudowords. <i>Cognitive Brain Research</i> , 2005, 25, 982-993.	3.3	123
90	The structure and dynamics of normal language processing: insights from neuroimaging. <i>Acta Neurobiologiae Experimentalis</i> , 2005, 65, 95-116.	0.4	16

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91	Focus on focus: The brain's electrophysiological response to focus particles and accents in German. , 0, , .		2