

Frank RÄjsler

List of Publications by Year in descending order

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115
papers

7,518
citations

41344

49
h-index

56724

83
g-index

117
all docs

117
docs citations

117
times ranked

5347
citing authors

#	ARTICLE	IF	CITATIONS
1	Improved auditory spatial tuning in blind humans. <i>Nature</i> , 1999, 400, 162-166.	27.8	568
2	Early Vision Impairs Tactile Perception in the Blind. <i>Current Biology</i> , 2004, 14, 121-124.	3.9	353
3	Speech processing activates visual cortex in congenitally blind humans. <i>European Journal of Neuroscience</i> , 2002, 16, 930-936.	2.6	317
4	Brain Activation Modulated by the Comprehension of Normal and Pseudo-word Sentences of Different Processing Demands: A Functional Magnetic Resonance Imaging Study. <i>NeuroImage</i> , 2002, 15, 1003-1014.	4.2	237
5	The Human Dorsal Action Control System Develops in the Absence of Vision. <i>Cerebral Cortex</i> , 2009, 19, 1-12.	2.9	226
6	Event-Related Brain Potentials While Encountering Semantic and Syntactic Constraint Violations. <i>Journal of Cognitive Neuroscience</i> , 1993, 5, 345-362.	2.3	222
7	Slow negative brain potentials as reflections of specific modular resources of cognition. <i>Biological Psychology</i> , 1997, 45, 109-141.	2.2	195
8	Parsing of Sentences in a Language with Varying Word Order: Word-by-Word Variations of Processing Demands Are Revealed by Event-Related Brain Potentials. <i>Journal of Memory and Language</i> , 1998, 38, 150-176.	2.1	179
9	Distinct Cortical Activation Patterns during Long-Term Memory Retrieval of Verbal, Spatial, and Color Information. <i>Journal of Cognitive Neuroscience</i> , 1995, 7, 51-65.	2.3	165
10	Auditory memory in congenitally blind adults: a behavioral-electrophysiological investigation. <i>Cognitive Brain Research</i> , 2001, 11, 289-303.	3.0	153
11	Theta and alpha oscillations during working-memory maintenance predict successful long-term memory encoding. <i>Neuroscience Letters</i> , 2010, 468, 339-343.	2.1	151
12	Event-related potentials during auditory language processing in congenitally blind and sighted people. <i>Neuropsychologia</i> , 2000, 38, 1482-1502.	1.6	149
13	Early processing stages are modulated when auditory stimuli are presented at an attended moment in time: An event-related potential study. <i>Psychophysiology</i> , 2003, 40, 806-817.	2.4	147
14	Early visual deprivation impairs multisensory interactions in humans. <i>Nature Neuroscience</i> , 2007, 10, 1243-1245.	14.8	147
15	N400 Effects Reflect Activation Spread During Retrieval of Arithmetic Facts. <i>Psychological Science</i> , 1999, 10, 271-276.	3.3	137
16	Event-related potentials during auditory and somatosensory discrimination in sighted and blind human subjects. <i>Cognitive Brain Research</i> , 1996, 4, 77-93.	3.0	135
17	Memory for environmental sounds in sighted, congenitally blind and late blind adults: evidence for cross-modal compensation. <i>International Journal of Psychophysiology</i> , 2003, 50, 27-39.	1.0	130
18	Multisensory processing in the redundant-target effect: A behavioral and event-related potential study. <i>Perception & Psychophysics</i> , 2005, 67, 713-726.	2.3	130

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19	Processing of incongruous mental calculation problems: Evidence for an arithmetic N400 effect. <i>Psychophysiology</i> , 1999, 36, 307-324.	2.4	121
20	Is task switching nothing but cue priming? Evidence from ERPs. <i>Cognitive, Affective and Behavioral Neuroscience</i> , 2008, 8, 74-84.	2.0	118
21	A correction method for DC drift artifacts. <i>Electroencephalography and Clinical Neurophysiology</i> , 1993, 86, 199-204.	0.3	107
22	Monitoring retrieval from long-term memory by slow event-related brain potentials. <i>Psychophysiology</i> , 1993, 30, 170-182.	2.4	97
23	Content-specific activation during associative long-term memory retrieval. <i>NeuroImage</i> , 2005, 27, 805-816.	4.2	95
24	Implicit and explicit learning of event sequences: evidence for distinct coding of perceptual and motor representations. <i>Acta Psychologica</i> , 2000, 104, 45-67.	1.5	93
25	On the relationship between slow cortical potentials and BOLD signal changes in humans. <i>International Journal of Psychophysiology</i> , 2008, 67, 252-261.	1.0	89
26	Effects of interstimulus interval on auditory event-related potentials in congenitally blind and normally sighted humans. <i>Neuroscience Letters</i> , 1999, 264, 53-56.	2.1	87
27	Different cortical activation patterns in blind and sighted humans during encoding and transformation of haptic images. <i>Psychophysiology</i> , 1997, 34, 292-307.	2.4	86
28	Toward a Functional Categorization of Slow Waves: Taking into Account Past and Future Events. <i>Psychophysiology</i> , 1991, 28, 344-358.	2.4	83
29	Crossmodal and intermodal attention modulate event-related brain potentials to tactile and auditory stimuli. <i>Experimental Brain Research</i> , 2003, 148, 26-37.	1.5	80
30	Differences between noun and verb processing in a minimal phrase context: a semantic priming study using event-related brain potentials. <i>Cognitive Brain Research</i> , 2003, 17, 293-313.	3.0	75
31	EEG power changes reflect distinct mechanisms during long-term memory retrieval. <i>Psychophysiology</i> , 2011, 48, 362-369.	2.4	73
32	Differences in incidental and intentional learning of sensorimotor sequences as revealed by event-related brain potentials. <i>Cognitive Brain Research</i> , 2003, 15, 116-126.	3.0	68
33	Memory-based Decision-making with Heuristics: Evidence for a Controlled Activation of Memory Representations. <i>Journal of Cognitive Neuroscience</i> , 2011, 23, 3540-3554.	2.3	67
34	Topographically distinct cortical activation in episodic long-term memory: The retrieval of spatial versus verbal information. <i>Memory and Cognition</i> , 1996, 24, 777-795.	1.6	66
35	Comparing arithmetic and semantic fact retrieval: Effects of problem size and sentence constraint on event-related brain potentials. <i>Psychophysiology</i> , 2004, 41, 46-59.	2.4	66
36	Topography and Dynamics of Associative Long-term Memory Retrieval in Humans. <i>Journal of Cognitive Neuroscience</i> , 2007, 19, 493-512.	2.3	66

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37	Principal components and varimax-rotated components in event-related potential research: Some remarks on their interpretation. <i>Biological Psychology</i> , 1981, 13, 3-26.	2.2	63
38	Altered auditory-tactile interactions in congenitally blind humans: an event-related potential study. <i>Experimental Brain Research</i> , 2004, 159, 370-381.	1.5	63
39	What is improved if a mental rotation task is repeated - the efficiency of memory access, or the speed of a transformation routine?. <i>Psychological Research</i> , 1998, 61, 99-106.	1.7	62
40	The redundant target effect is affected by modality switch costs. <i>Psychonomic Bulletin and Review</i> , 2004, 11, 307-313.	2.8	62
41	The Influence of Organized Violence and Terror on Brain and Mind: A Co-Constructive Perspective. , 2006, , 326-349.		60
42	Stem access in regular and irregular inflection: Evidence from German participles. <i>Journal of Memory and Language</i> , 2007, 57, 325-347.	2.1	60
43	Patterns of cerebral activation while mental images are rotated and changed in size. <i>Psychophysiology</i> , 1995, 32, 135-149.	2.4	58
44	Topography of brain electrical activity dissociates the retrieval of spatial versus verbal information from episodic long-term memory in humans. <i>Neuroscience Letters</i> , 1997, 222, 45-48.	2.1	58
45	The effects of late acquisition of L2 and the consequences of immigration on L1 for semantic and morpho-syntactic language aspects. <i>Cognition</i> , 2004, 93, B97-B108.	2.2	58
46	Facts, rules, and strategies in single-digit multiplication: evidence from event-related brain potentials. <i>Cognitive Brain Research</i> , 2004, 20, 183-193.	3.0	56
47	The double-priming paradigm: A tool for analyzing the functional significance of endogenous event-related brain potentials. <i>Biological Psychology</i> , 1986, 22, 239-268.	2.2	55
48	Kinesthetic Working Memory and Action Control within the Dorsal Stream. <i>Cerebral Cortex</i> , 2008, 18, 243-253.	2.9	54
49	Plasticity of multisensory dorsal stream functions: Evidence from congenitally blind and sighted adults. <i>Restorative Neurology and Neuroscience</i> , 2010, 28, 193-205.	0.7	53
50	How moving objects become animated: The human mirror neuron system assimilates non-biological movement patterns. <i>Social Neuroscience</i> , 2008, 3, 368-387.	1.3	51
51	The Importance of Reading Naturally: Evidence From Combined Recordings of Eye Movements and Electric Brain Potentials. <i>Cognitive Science</i> , 2017, 41, 1232-1263.	1.7	51
52	When perceptual or motor sets are changed: Effects of updating demands on structure and energy of P300. <i>Acta Psychologica</i> , 1985, 60, 293-321.	1.5	49
53	Event-Related Responses to Pronoun and Proper Name Anaphors in Parallel and Nonparallel Discourse Structures. <i>Brain and Language</i> , 1999, 70, 273-286.	1.6	49
54	Different Anaphoric Expressions Are Investigated by Event-Related Brain Potentials. <i>Journal of Psycholinguistic Research</i> , 2004, 33, 175-201.	1.3	49

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55	Working memory maintenance of grasp-target information in the human posterior parietal cortex. <i>NeuroImage</i> , 2011, 54, 2401-2411.	4.2	47
56	Event-related brain potentials evoked by verbs and nouns in a primed lexical decision task. <i>Psychophysiology</i> , 2001, 38, 694-703.	2.4	45
57	Event-related Brain Potentials During Recognition of Ordinary and Bizarre Action Phrases Following Verbal and Subject-performed Encoding Conditions. <i>European Journal of Cognitive Psychology</i> , 1999, 11, 261-280.	1.3	44
58	Topography of brain electrical activity dissociates the sequential order transformation of verbal versus spatial information in humans. <i>Neuroscience Letters</i> , 2000, 282, 81-84.	2.1	44
59	Event-Related Brain Potentials in a Stimulus-Discrimination Learning Paradigm. <i>Psychophysiology</i> , 1981, 18, 447-455.	2.4	42
60	When semantics means less than morphology: The processing of German prefixed verbs. <i>Language and Cognitive Processes</i> , 2009, 24, 337-375.	2.2	42
61	Dissociating the solution processes of small, large, and zero multiplications by means of fMRI. <i>NeuroImage</i> , 2009, 46, 308-318.	4.2	42
62	Optimal integration of visual and proprioceptive movement information for the perception of trajectory geometry. <i>Experimental Brain Research</i> , 2010, 201, 853-862.	1.5	42
63	<i>Psychophysologie der Kognition.</i> , 2011, , .		41
64	Assessing the effect of posture change on tactile inhibition-of-return. <i>Experimental Brain Research</i> , 2002, 143, 453-462.	1.5	38
65	Working memory maintenance contributes to long-term memory formation: Evidence from slow event-related brain potentials. <i>Cognitive, Affective and Behavioral Neuroscience</i> , 2007, 7, 212-224.	2.0	37
66	Reduced EEG alpha activity over parieto-occipital brain areas in congenitally blind adults. <i>Clinical Neurophysiology</i> , 2006, 117, 1560-1573.	1.5	36
67	Semantic and morpho-syntactic priming in auditory word recognition in congenitally blind adults. <i>Language and Cognitive Processes</i> , 2003, 18, 1-20.	2.2	35
68	Tight covariation of BOLD signal changes and slow ERPs in the parietal cortex in a parametric spatial imagery task with haptic acquisition. <i>European Journal of Neuroscience</i> , 2006, 23, 1910-1918.	2.6	32
69	Material-specific long-term memory representations of faces and spatial positions: Evidence from slow event-related brain potentials. <i>Neuropsychologia</i> , 2005, 43, 2109-2124.	1.6	31
70	A rotation aftereffect changes both the speed and the preferred direction of mental rotation.. <i>Journal of Experimental Psychology: Human Perception and Performance</i> , 1997, 23, 681-692.	0.9	30
71	Comparing arithmetic and semantic fact retrieval: Effects of problem size and sentence constraint on event-related brain potentials. <i>Psychophysiology</i> , 2003, 40, 1000-1000.	2.4	30
72	What activates the human mirror neuron system during observation of artificial movements: Bottom-up visual features or top-down intentions?. <i>Neuropsychologia</i> , 2008, 46, 2033-2042.	1.6	30

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73	Interaction between gaze and visual and proprioceptive position judgements. <i>Experimental Brain Research</i> , 2010, 203, 485-498.	1.5	30
74	Take a stand on understanding: electrophysiological evidence for stem access in German complex verbs. <i>Frontiers in Human Neuroscience</i> , 2015, 9, 62.	2.0	29
75	Early non-visual experience influences proprioceptive-spatial discrimination acuity in adulthood. <i>Neuropsychologia</i> , 2009, 47, 897-906.	1.6	28
76	Processing Verbs in German Idioms: Evidence Against the Configuration Hypothesis. <i>Metaphor and Symbol</i> , 2007, 22, 213-231.	1.0	26
77	On separating processes of event categorization, task preparation, and mental rotation proper in a handedness recognition task. <i>Psychophysiology</i> , 1999, 36, 399-408.	2.4	25
78	Electrophysiological Evidence for the Continuous Processing of Linguistic Categories of Regular and Irregular Verb Inflection in German. <i>Journal of Cognitive Neuroscience</i> , 2013, 25, 1284-1304.	2.3	25
79	EEG power and coherence analysis of visually presented nouns and verbs reveals left frontal processing differences. <i>Neuroscience Letters</i> , 2004, 354, 111-114.	2.1	23
80	Frontal and parietal contributions to arithmetic fact retrieval: A parametric analysis of the problemâ€size effect. <i>Human Brain Mapping</i> , 2011, 32, 51-59.	3.6	22
81	Inhibition of return and oculomotor control in the blind. <i>NeuroReport</i> , 2000, 11, 3043-3045.	1.2	21
82	Motor learning affects visual movement perception. <i>European Journal of Neuroscience</i> , 2008, 27, 2294-2302.	2.6	21
83	Die mentale Verarbeitung von Verben in idiomatischen Konstruktionen. <i>Zeitschrift Fur Germanistische Linguistik</i> , 2008, 36, 27-47.	0.4	21
84	Response Anticipation Processes in the Learning of a Sensorimotor Sequence. <i>Journal of Psychophysiology</i> , 2001, 15, 95-105.	0.7	21
85	From Single-Channel Recordings to Brain-Mapping Devices: The Impact of Electroencephalography on Experimental Psychology.. <i>History of Psychology</i> , 2005, 8, 95-117.	0.3	20
86	Cortical Activation Patterns during Long-term Memory Retrieval of Visually or Haptically Encoded Objects and Locations. <i>Journal of Cognitive Neuroscience</i> , 2009, 21, 58-82.	2.3	20
87	Spatial Updating Depends on Gaze Direction Even after Loss of Vision. <i>Journal of Neuroscience</i> , 2012, 32, 2422-2429.	3.6	19
88	An ERP-study of German â€irregularâ€™ morphology. <i>Journal of Neurolinguistics</i> , 2005, 18, 29-55.	1.1	18
89	Neural correlates of generating visual nouns and motor verbs in a minimal phrase context. <i>Brain Research</i> , 2010, 1318, 122-132.	2.2	17
90	Influence of Stimulus Distance in Implicit Learning of Spatial and Nonspatial Event Sequences. <i>Perceptual and Motor Skills</i> , 2002, 95, 973-987.	1.3	15

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91	Dynamics of activation in long-term memory: The retrieval of verbal, pictorial, spatial, and color information.. Journal of Experimental Psychology: Learning Memory and Cognition, 1994, 20, 185-200.	0.9	13
92	ERP correlates of linear hand movements in a motor reproduction task. Psychophysiology, 2010, 47, 486-500.	2.4	12
93	Controlling Conflict from Interfering Long-term Memory Representations. Journal of Cognitive Neuroscience, 2012, 24, 1173-1190.	2.3	9
94	Inferior parietal and right frontal contributions to trial-by-trial adaptations of attention to memory. Brain Research, 2015, 1614, 14-27.	2.2	9
95	Neural correlates of maintaining generated images in visual working memory. Human Brain Mapping, 2016, 37, 4349-4362.	3.6	9
96	Testing the limits of optimal integration of visual and proprioceptive information of path trajectory. Experimental Brain Research, 2011, 209, 619-630.	1.5	8
97	Imagery-perception interaction depends on the shape of the image: A reply to Farah (1989).. Journal of Experimental Psychology: Human Perception and Performance, 1993, 19, 1313-1320.	0.9	7
98	Neural correlates of semantic and syntactic processing in German Sign Language. NeuroImage, 2019, 200, 231-241.	4.2	7
99	The P300 event-related potentials: A one-humped dromedary's saddle on a two-humped camel. Behavioral and Brain Sciences, 1988, 11, 392.	0.7	5
100	Where are somatosensory representations stored and reactivated?. Behavioral and Brain Sciences, 2007, 30, 206-207.	0.7	4
101	The interaction of the visuo-spatial and the vestibular system depends on sensory experience in development. Neuropsychologia, 2021, 152, 107736.	1.6	4
102	The Principle of Code-Specific Memory Representations. , 2003, , 71-91.		4
103	Developmental experiences alter the temporal processing characteristics of the visual cortex: Evidence from deaf and hearing native signers. European Journal of Neuroscience, 2022, 55, 1629-1644.	2.6	4
104	Dondersian dreams in brain-mappers' minds, or, still no cross-fertilization between mind mappers and cognitive modelers?. Behavioral and Brain Sciences, 1999, 22, 293-295.	0.7	3
105	Letters on Nature and Nurture. , 2006, , 379-398.		3
106	Trial-to-trial dynamics of selective long-term-memory retrieval with continuously changing retrieval targets. Brain and Cognition, 2014, 90, 8-18.	1.8	3
107	Event-related potentials during auditory and somatosensory discrimination in sighted and blind human subjects. Cognitive Brain Research, 1996, 4, 77-93.	3.0	3
108	Selective Interference During the Retrieval of Spatial and Verbal Information from Episodic Long-term Memory. International Journal of Psychology, 1998, 33, 249-257.	2.8	2

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109	Another artificial division “ and the data don't support it. Behavioral and Brain Sciences, 2003, 26, 739-740.	0.7	2
110	Slow Potentials During Long-Term Memory Retrieval. , 1994, , 149-168.		2
111	Blindness: A Source and Case of Neuronal Plasticity. , 0, , 134-158.		1
112	Kompensatorische Plastizität bei blinden Menschen. Zeitschrift für Neuropsychologie = Journal of Neuropsychology, 2004, 15, 243-264.	0.6	1
113	Working memory as a state of activated long-term memory: A plausible theory, but other data provide more compelling evidence. Behavioral and Brain Sciences, 2003, 26, 754-755.	0.7	0
114	Vergleich Haptischer Wahrnehmungsleistungen Zwischen Blinden und Sehenden Personen. , 2001, , 89-98.		0
115	Steady-state visual evoked potentials in deaf and hearing individuals indicate an experience-dependence of the optimal driving rate. Journal of Vision, 2019, 19, 96.	0.3	0