

# Rolf Verleger

## List of Publications by Year in descending order

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101  
papers

6,529  
citations

81900

39  
h-index

66911

78  
g-index

101  
all docs

101  
docs citations

101  
times ranked

4476  
citing authors

#	ARTICLE	IF	CITATIONS
1	Sleep inspires insight. <i>Nature</i> , 2004, 427, 352-355.	27.8	884
2	Event-related potentials and cognition: A critique of the context updating hypothesis and an alternative interpretation of P3. <i>Behavioral and Brain Sciences</i> , 1988, 11, 343.	0.7	830
3	Evidence for an Integrative Role of P3b in Linking Reaction to Perception. <i>Journal of Psychophysiology</i> , 2005, 19, 165-181.	0.7	492
4	On the utility of P3 latency as an index of mental chronometry. <i>Psychophysiology</i> , 1997, 34, 131-156.	2.4	470
5	Correction of EOG Artifacts in Event-Related Potentials of the EEG: Aspects of Reliability and Validity. <i>Psychophysiology</i> , 1982, 19, 472-480.	2.4	171
6	Aging and the Simon task. <i>Psychophysiology</i> , 2002, 39, 100-110.	2.4	169
7	Validity and boundary conditions of automatic response activation in the Simon task.. <i>Journal of Experimental Psychology: Human Perception and Performance</i> , 2001, 27, 731-751.	0.9	156
8	Testing the stimulus-to-response bridging function of the oddball-P3 by delayed response signals and residue iteration decomposition (RIDE). <i>NeuroImage</i> , 2014, 100, 271-280.	4.2	130
9	Traces Left on Visual Selective Attention by Stimuli That Are Not Consciously Identified. <i>Psychological Science</i> , 2002, 13, 48-54.	3.3	126
10	Qualitative Differences Between Conscious and Nonconscious Processing? On Inverse Priming Induced by Masked Arrows.. <i>Journal of Experimental Psychology: General</i> , 2004, 133, 494-515.	2.1	124
11	Effects of certainty, modality shift and guess outcome on evoked potentials and reaction times in chronic schizophrenics. <i>Psychological Medicine</i> , 1978, 8, 81-93.	4.5	118
12	CNV and temporal uncertainty with "ageing" and "non-ageing" S1-S2 intervals. <i>Clinical Neurophysiology</i> , 2000, 111, 1216-1226.	1.5	117
13	Effects of relevance and response frequency on P3b amplitudes: Review of findings and comparison of hypotheses about the process reflected by P3b. <i>Psychophysiology</i> , 2020, 57, e13542.	2.4	116
14	How the Self Controls Its "Automatic Pilot" when Processing Subliminal Information. <i>Journal of Cognitive Neuroscience</i> , 2003, 15, 911-920.	2.3	90
15	The instruction to refrain from blinking affects auditory P3 and N1 amplitudes. <i>Electroencephalography and Clinical Neurophysiology</i> , 1991, 78, 240-251.	0.3	89
16	On the relation of movement-related potentials to the go/no-go effect on P3. <i>Biological Psychology</i> , 2006, 73, 298-313.	2.2	85
17	Principal component analysis of event-related potentials: A note on misallocation of variance. <i>Electroencephalography and Clinical Neurophysiology - Evoked Potentials</i> , 1986, 65, 393-398.	2.0	84
18	Aging and the Simon task. <i>Psychophysiology</i> , 2002, 39, 100-110.	2.4	76

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19	Shifting from implicit to explicit knowledge: Different roles of early- and late-night sleep. <i>Learning and Memory</i> , 2008, 15, 508-515.	1.3	73
20	Increased Alpha (8-12 Hz) Activity during Slow Wave Sleep as a Marker for the Transition from Implicit Knowledge to Explicit Insight. <i>Journal of Cognitive Neuroscience</i> , 2012, 24, 119-132.	2.3	72
21	P3b: Towards some decision about memory. <i>Clinical Neurophysiology</i> , 2008, 119, 968-970.	1.5	68
22	Suspense and surprise: On the relationship between expectancies and P3. <i>Psychophysiology</i> , 1994, 31, 359-369.	2.4	64
23	On Why Left Events are the Right Ones: Neural Mechanisms Underlying the Left-hemifield Advantage in Rapid Serial Visual Presentation. <i>Journal of Cognitive Neuroscience</i> , 2009, 21, 474-488.	2.3	63
24	Lateralized Human Cortical Activity for Shifting Visuospatial Attention and Initiating Saccades. <i>Journal of Neurophysiology</i> , 1998, 80, 2900-2910.	1.8	62
25	Testing the R link hypothesis of P3b: The oddball effect on S1-evoked P3 gets reduced by increased task relevance of S2. <i>Biological Psychology</i> , 2015, 108, 25-35.	2.2	59
26	Posterior and Anterior Contribution of Hand-Movement Preparation to Late CNV. <i>Journal of Psychophysiology</i> , 2000, 14, 69-86.	0.7	58
27	SELAVCO: A method to deal with trial-to-trial variability of evoked potentials. <i>Electroencephalography and Clinical Neurophysiology</i> , 1983, 55, 717-723.	0.3	56
28	On how the motor cortices resolve an inter-hemispheric response conflict: an event-related EEG potential-guided TMS study of the flankers task. <i>European Journal of Neuroscience</i> , 2009, 30, 318-326.	2.6	56
29	Mechanisms underlying the left visual-field advantage in the dual stream RSVP task: Evidence from N2pc, P3, and distractor-evoked VEPs. <i>Psychophysiology</i> , 2011, 48, 1096-1106.	2.4	54
30	The hard oddball: Effects of difficult response selection on stimulus-related P3 and on response-related negative potentials. <i>Psychophysiology</i> , 2014, 51, 1089-1100.	2.4	54
31	Spatial S-R Compatibility with Centrally Presented Stimuli: An Event-Related Asymmetry Study on Dimensional Overlap. <i>Journal of Cognitive Neuroscience</i> , 1999, 11, 214-229.	2.3	52
32	Auditory selective attention is impaired in Parkinson's disease - event-related evidence from EEG potentials. <i>Cognitive Brain Research</i> , 1994, 2, 117-129.	3.0	49
33	Is P3 a strategic or a tactical component? Relationships of P3 sub-components to response times in oddball tasks with go, no-go and choice responses. <i>NeuroImage</i> , 2016, 143, 223-234.	4.2	49
34	Left visual-field advantage in the dual-stream RSVP task and reading-direction: A study in three nations. <i>Neuropsychologia</i> , 2010, 48, 2852-2860.	1.6	47
35	Signs of REM sleep dependent enhancement of implicit face memory: a repetition priming study. <i>Biological Psychology</i> , 2003, 62, 197-210.	2.2	45
36	Precursors of Insight in Event-related Brain Potentials. <i>Journal of Cognitive Neuroscience</i> , 2006, 18, 2152-2166.	2.3	45

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37	Do Rare Stimuli Evoke Large P3s by Being Unexpected? A Comparison of Oddball Effects Between Standard-Oddball and Prediction-Oddball Tasks. <i>Advances in Cognitive Psychology</i> , 2016, 12, 88-104.	0.5	44
38	Changes in Connectivity Profiles as a Mechanism for Strategic Control over Interfering Subliminal Information. <i>Cerebral Cortex</i> , 2006, 16, 857-864.	2.9	42
39	Mask- and distractor-triggered inhibitory processes in the priming of motor responses: An EEG study. <i>Psychophysiology</i> , 2007, 45, 070921233045001-???	2.4	41
40	An evaluation of methods for single-trial estimation of P3 latency. <i>Psychophysiology</i> , 2000, 37, 153-162.	2.4	40
41	Preparation for action: An ERP study about two tasks provoking variability in response speed. <i>Psychophysiology</i> , 1996, 33, 262-272.	2.4	39
42	Neuro-cognitive mechanisms of conscious and unconscious visual perception: From a plethora of phenomena to general principles. <i>Advances in Cognitive Psychology</i> , 2011, 7, 55-67.	0.5	38
43	Reduced alpha-gamma phase amplitude coupling over right parietal cortex is associated with implicit visuomotor sequence learning. <i>NeuroImage</i> , 2016, 141, 60-70.	4.2	36
44	Bias for the Left Visual Field in Rapid Serial Visual Presentation: Effects of Additional Salient Cues Suggest a Critical Role of Attention. <i>Journal of Cognitive Neuroscience</i> , 2015, 27, 266-279.	2.3	31
45	Dynamic coupling between slow waves and sleep spindles during slow wave sleep in humans is modulated by functional pre-sleep activation. <i>Scientific Reports</i> , 2017, 7, 14496.	3.3	31
46	Toward an integration of P3 research with cognitive neuroscience. <i>Behavioral and Brain Sciences</i> , 1998, 21, 150-152.	0.7	29
47	Rebalancing Spatial Attention: Endogenous Orienting May Partially Overcome the Left Visual Field Bias in Rapid Serial Visual Presentation. <i>Journal of Cognitive Neuroscience</i> , 2017, 29, 1-13.	2.3	29
48	What determines the direction of subliminal priming. <i>Advances in Cognitive Psychology</i> , 2007, 3, 181-192.	0.5	28
49	The left visual-field advantage in rapid visual presentation is amplified rather than reduced by posterior-parietal rTMS. <i>Experimental Brain Research</i> , 2010, 203, 355-365.	1.5	27
50	The unstable bridge from stimulus processing to correct responding in Parkinson's disease. <i>Neuropsychologia</i> , 2013, 51, 2512-2525.	1.6	27
51	The true P3 is hard to see: Some comments on Kok's (1986) paper on degraded stimuli. <i>Biological Psychology</i> , 1988, 27, 45-50.	2.2	26
52	Differences between visual hemifields in identifying rapidly presented target stimuli: letters and digits, faces, and shapes. <i>Frontiers in Psychology</i> , 2013, 4, 452.	2.1	26
53	Synchronization of fronto-parietal beta and theta networks as a signature of visual awareness in neglect. <i>NeuroImage</i> , 2017, 146, 341-354.	4.2	26
54	Insights into sleep's role for insight: Studies with the number reduction task. <i>Advances in Cognitive Psychology</i> , 2013, 9, 160-172.	0.5	26

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55	Time-course of hemispheric preference for processing contralateral relevant shapes: P1pc, N1pc, N2pc, N3pc. <i>Advances in Cognitive Psychology</i> , 2012, 8, 19-28.	0.5	25
56	Popper and P300: Can the view ever be falsified that P3 latency is a specific indicator of stimulus evaluation?. <i>Clinical Neurophysiology</i> , 2010, 121, 1371-1372.	1.5	24
57	Neurophysiological sensitivity to attentional overload in patients with psychotic disorders. <i>Clinical Neurophysiology</i> , 2013, 124, 881-892.	1.5	24
58	Effects on P3 of spreading targets and response prompts apart. <i>Biological Psychology</i> , 2017, 126, 1-11.	2.2	24
59	Sleep Spindles in the Right Hemisphere Support Awareness of Regularities and Reflect Pre-Sleep Activations. <i>Sleep</i> , 2017, 40, .	1.1	24
60	Differential Associations of Early- and Late-Night Sleep with Functional Brain States Promoting Insight to Abstract Task Regularity. <i>PLoS ONE</i> , 2010, 5, e9442.	2.5	24
61	An ERP indicator of processing relevant gestalts in masked priming. <i>Psychophysiology</i> , 2005, 42, 677-690.	2.4	23
62	Insights into sleep's role for insight: Studies with the number reduction task. <i>Advances in Cognitive Psychology</i> , 2013, 9, 160-72.	0.5	22
63	Responsiveness to distracting stimuli, though increased in Parkinson's disease, is decreased in asymptomatic PINK1 and Parkin mutation carriers. <i>Neuropsychologia</i> , 2010, 48, 467-476.	1.6	21
64	Cooperation or Competition of the Two Hemispheres in Processing Characters Presented at Vertical Midline. <i>PLoS ONE</i> , 2013, 8, e57421.	2.5	21
65	Time to Move Again: Does the Bereitschaftspotential Covary with Demands on Internal Timing?. <i>Frontiers in Human Neuroscience</i> , 2016, 10, 642.	2.0	21
66	Covert Reorganization of Implicit Task Representations by Slow Wave Sleep. <i>PLoS ONE</i> , 2009, 4, e5675.	2.5	21
67	Is insight a godsend? Explicit knowledge in the serial response-time task has precursors in EEG potentials already at task onset. <i>Neurobiology of Learning and Memory</i> , 2015, 125, 24-35.	1.9	20
68	Go and no-go P3 with rare and frequent stimuli in oddball tasks: A study comparing key-pressing with counting. <i>International Journal of Psychophysiology</i> , 2016, 110, 128-136.	1.0	20
69	Sequential effects on P3 in a counting task: A partial replication. <i>Biological Psychology</i> , 1987, 25, 221-246.	2.2	18
70	Visual and non-visual motion information processing during pursuit eye tracking in schizophrenia and bipolar disorder. <i>European Archives of Psychiatry and Clinical Neuroscience</i> , 2017, 267, 225-235.	3.2	17
71	Consciousness wanted, attention found: Reasons for the advantage of the left visual field in identifying T2 among rapidly presented series. <i>Consciousness and Cognition</i> , 2015, 35, 260-273.	1.5	16
72	Parafac and go/no-go: Disentangling CNV return from the P3 complex by trilinear component analysis. <i>International Journal of Psychophysiology</i> , 2013, 87, 289-300.	1.0	15

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73	Labile sleep promotes awareness of abstract knowledge in a serial reaction time task. <i>Frontiers in Psychology</i> , 2015, 6, 1354.	2.1	14
74	Time-course of hemispheric preference for processing contralateral relevant shapes: P1pc, N1pc, N2pc, N3pc. <i>Advances in Cognitive Psychology</i> , 2012, 8, 19-28.	0.5	14
75	A TMS study on non-consciously triggered response tendencies in the motor cortex. <i>Experimental Brain Research</i> , 2006, 173, 115-129.	1.5	13
76	Anarchic-hand syndrome: ERP reflections of lost control over the right hemisphere. <i>Brain and Cognition</i> , 2011, 77, 138-150.	1.8	13
77	Effects of response delays and of unknown stimulus-response mappings on the oddball effect on P3. <i>Psychophysiology</i> , 2016, 53, 1858-1869.	2.4	13
78	Disentangling neural processing of masked and masking stimulus by means of event-related contralateral and ipsilateral differences of EEG potentials. <i>Advances in Cognitive Psychology</i> , 2007, 3, 193-210.	0.5	11
79	Effects of premature lure stimuli on target identification in rapid serial visual presentation: Inhibition induced by lures or by 1st target?. <i>Psychophysiology</i> , 2012, 49, 1254-1265.	2.4	11
80	Leftward bias in orienting to and disengaging attention from salient task-irrelevant events in rapid serial visual presentation. <i>Neuropsychologia</i> , 2017, 94, 96-105.	1.6	11
81	Deployment and release of interhemispheric inhibition in dual-stream rapid serial visual presentation. <i>Biological Psychology</i> , 2014, 99, 47-59.	2.2	10
82	A right hemisphere advantage at early cortical stages of processing alphanumeric stimuli. Evidence from electrophysiology. <i>Brain and Cognition</i> , 2017, 113, 40-55.	1.8	10
83	On Why Targets Evoke P3 Components in Prediction Tasks: Drawing an Analogy between Prediction and Matching Tasks. <i>Frontiers in Human Neuroscience</i> , 2017, 11, 497.	2.0	10
84	How handedness influences perceptual and attentional processes during rapid serial visual presentation. <i>Neuropsychologia</i> , 2017, 100, 155-163.	1.6	9
85	Lateralization of spatial rather than temporal attention underlies the left hemifield advantage in rapid serial visual presentation. <i>Brain and Cognition</i> , 2017, 118, 54-62.	1.8	9
86	Changes in processing of masked stimuli across early- and late-night sleep: A study on behavior and brain potentials. <i>Brain and Cognition</i> , 2008, 68, 180-192.	1.8	8
87	Biased odds for heads or tails: Outcome-evoked P3 depends on frequencies of guesses. <i>Psychophysiology</i> , 2015, 52, 1048-1058.	2.4	8
88	The oddball effect on P3 disappears when feature relevance or feature-response mappings are unknown. <i>Experimental Brain Research</i> , 2018, 236, 2781-2796.	1.5	8
89	Effects of stimulus-induced saccades on manual response times in healthy elderly and in patients with right-parietal lesions. <i>Experimental Brain Research</i> , 2002, 144, 17-29.	1.5	7
90	Decomposition of 3-way arrays: A comparison of different PARAFAC algorithms. <i>Chemometrics and Intelligent Laboratory Systems</i> , 2014, 137, 97-109.	3.5	5

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91	Patients with Parkinson's disease are less affected than healthy persons by relevant response-unrelated features in visual search. <i>Neuropsychologia</i> , 2014, 62, 38-47.	1.6	5
92	Malfunctions of Central Control of Movement Studied with Slow Brain Potentials in Neurological Patients. <i>Journal of Psychophysiology</i> , 2004, 18, 105-120.	0.7	3
93	Selection of features within and without objects: Effects of gestalt appearance and object-based instruction on behavior and event-related brain potentials. <i>Psychophysiology</i> , 2008, 45, 499-510.	2.4	3
94	Sleep effects on slow-brain-potential reflections of associative learning. <i>Biological Psychology</i> , 2011, 86, 219-229.	2.2	3
95	No effect of target probability on P3b amplitudes. <i>International Journal of Psychophysiology</i> , 2020, 153, 107-115.	1.0	3
96	Patterns of Implicit Learning Below the Level of Conscious Knowledge. <i>Journal of Psychophysiology</i> , 2010, 24, 91-101.	0.7	3
97	2. Markers of awareness?. <i>Advances in Consciousness Research</i> , 2010, , 37-70.	0.2	3
98	Left-Hemisphere Delay of EEG Potentials Evoked by Standard Letter Stimuli During Rapid Serial Visual Presentation: Indicating Right-Hemisphere Advantage or Left-Hemisphere Load?. <i>Frontiers in Psychology</i> , 2019, 10, 171.	2.1	2
99	Get Set or Get Distracted? Disentangling Content-Priming and Attention-Catching Effects of Background Lure Stimuli on Identifying Targets in Two Simultaneously Presented Series. <i>Brain Sciences</i> , 2019, 9, 365.	2.3	1
100	Double dissociation in the effects of brain damage on working memory. <i>Behavioral and Brain Sciences</i> , 2003, 26, 758-759.	0.7	0
101	Are the DTI results positive evidence for George Bernard Shaw's view?. <i>Behavioral and Brain Sciences</i> , 2004, 27, 866-866.	0.7	0