

Edmund Wascher

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

140
papers

3,985
citations

34
h-index

57
g-index

159
ext. papers

4,745
ext. citations

3.6
avg, IF

5.74
L-index

#	Paper	IF	Citations
140	Impact of Biological and Lifestyle Factors on Cognitive Aging and Work Ability in the Dortmund Vital Study: Protocol of an Interdisciplinary, Cross-sectional, and Longitudinal Study.. <i>JMIR Research Protocols</i> , 2022 , 11, e32352	2	1
139	Stress effects on the top-down control of visuospatial attention: Evidence from cue-dependent alpha oscillations.. <i>Cognitive, Affective and Behavioral Neuroscience</i> , 2022 , 1	3.5	0
138	Did you even see that? visual sensory processing of single stimuli under different locomotor loads. <i>PLoS ONE</i> , 2022 , 17, e0267896	3.7	
137	Frontal and parietal EEG alpha asymmetry: a large-scale investigation of short-term reliability on distinct EEG systems. <i>Brain Structure and Function</i> , 2021 , 1	4	3
136	Inverse effects of time-on-task in task-related and task-unrelated theta activity. <i>Psychophysiology</i> , 2021 , 58, e13805	4.1	5
135	Neuroergonomics on the Go: An Evaluation of the Potential of Mobile EEG for Workplace Assessment and Design. <i>Human Factors</i> , 2021 , 187208211007707	3.8	4
134	Distraction in the Driving Simulator: An Event-Related Potential (ERP) Study with Young, Middle-Aged, and Older Drivers. <i>Safety</i> , 2021 , 7, 36	1.7	3
133	Boosting working memory with accelerated clocks. <i>NeuroImage</i> , 2021 , 226, 117601	7.9	
132	Don't stop me now: Hampered retrieval of action plans following interruptions. <i>Psychophysiology</i> , 2021 , 58, e13725	4.1	3
131	Do congruent lip movements facilitate speech processing in a dynamic audiovisual multi-talker scenario? An ERP study with older and younger adults. <i>Behavioural Brain Research</i> , 2021 , 412, 113436	3.4	3
130	Decoding of cognitive processes involved in the continuous performance task. <i>International Journal of Psychophysiology</i> , 2021 , 167, 57-68	2.9	1
129	Time Hurries on but Does not Fly in Older Age [No Effect of Depressive Symptoms. <i>Timing and Time Perception</i> , 2021 , 9, 241-256	0.7	2
128	When long appears short: Effects of auditory distraction on event-related potential correlates of time perception. <i>European Journal of Neuroscience</i> , 2021 ,	3.5	1
127	Toxicity of fluoride: critical evaluation of evidence for human developmental neurotoxicity in epidemiological studies, animal experiments and in vitro analyses. <i>Archives of Toxicology</i> , 2020 , 94, 1375-1415	5.8	33
126	No effect of target probability on P3b amplitudes. <i>International Journal of Psychophysiology</i> , 2020 , 153, 107-115	2.9	1
125	The spatial orienting of the focus of attention in working memory makes use of inhibition: Evidence by hemispheric asymmetries in posterior alpha oscillations. <i>Neuropsychologia</i> , 2020 , 142, 107442	3.2	9
124	Disentangling sensorimotor and cognitive cardioafferent effects: A cardiac-cycle-time study on spatial stimulus-response compatibility. <i>Scientific Reports</i> , 2020 , 10, 4059	4.9	5

123	Unraveling the Relation between EEG Correlates of Attentional Orienting and Sound Localization Performance: A Diffusion Model Approach. <i>Journal of Cognitive Neuroscience</i> , 2020 , 32, 945-962	3.1	2
122	Encoding, storage, and response preparation-Distinct EEG correlates of stimulus and action representations in working memory. <i>Psychophysiology</i> , 2020 , 57, e13577	4.1	2
121	Differential Effects of Interruptions and Distractions on Working Memory Processes in an ERP Study. <i>Frontiers in Human Neuroscience</i> , 2020 , 14, 84	3.3	8
120	Inter-trial alpha power indicates mind wandering. <i>Psychophysiology</i> , 2020 , 57, e13581	4.1	25
119	Feature Overlap and Relevance Determine Sequential Modulations in the Simon Task. <i>Journal of Psychophysiology</i> , 2020 , 34, 81-98	1	
118	Multidomain Cognitive Training Transfers to Attentional and Executive Functions in Healthy Older Adults. <i>Frontiers in Human Neuroscience</i> , 2020 , 14, 586963	3.3	2
117	Stroop task performance across the lifespan: High cognitive reserve in older age is associated with enhanced proactive and reactive interference control. <i>NeuroImage</i> , 2020 , 207, 116430	7.9	13
116	The ability of young, middle-aged and older drivers to inhibit visual and auditory distraction in a driving simulator task. <i>Transportation Research Part F: Traffic Psychology and Behaviour</i> , 2020 , 68, 272-284	4.5	18
115	EEG correlates of spatial shifts of attention in a dynamic multi-talker speech perception scenario in younger and older adults. <i>Hearing Research</i> , 2020 , 398, 108077	3.9	6
114	Cognitive-motor interference in the wild: Assessing the effects of movement complexity on task switching using mobile EEG. <i>European Journal of Neuroscience</i> , 2020 ,	3.5	9
113	Unmasking selective path integration deficits in Alzheimer's disease risk carriers. <i>Science Advances</i> , 2020 , 6, eaba1394	14.3	13
112	Spatiotemporal Processing of Bimodal Odor Lateralization in the Brain Using Electroencephalography Microstates and Source Localization. <i>Frontiers in Neuroscience</i> , 2020 , 14, 620723	5.1	1
111	Evaluating Mental Load During Realistic Driving Simulations by Means of Round the Ear Electrodes. <i>Frontiers in Neuroscience</i> , 2019 , 13, 940	5.1	13
110	Recording mobile EEG in an outdoor environment reveals cognitive-motor interference dependent on movement complexity. <i>Scientific Reports</i> , 2019 , 9, 13086	4.9	28
109	Age-related differences in reallocating cognitive resources when dealing with interruptions. <i>NeuroImage</i> , 2019 , 191, 292-302	7.9	9
108	Hemispheric asymmetries in EEG alpha oscillations indicate active inhibition during attentional orienting within working memory. <i>Behavioural Brain Research</i> , 2019 , 359, 38-46	3.4	34
107	Eye blinks are related to auditory information processing: evidence from a complex speech perception task. <i>Psychological Research</i> , 2019 , 83, 1281-1291	2.5	7
106	The role of inhibition for working memory processes: ERP evidence from a short-term storage task. <i>Psychophysiology</i> , 2018 , 55, e13026	4.1	20

105	Searching for auditory targets in external space and in working memory: Electrophysiological mechanisms underlying perceptual and retroactive spatial attention. <i>Behavioural Brain Research</i> , 2018 , 353, 98-107	3.4	10
104	Cognitions about time affect perception, behavior, and physiology - A review on effects of external clock-speed manipulations. <i>Consciousness and Cognition</i> , 2018 , 63, 99-109	2.6	10
103	Age-Related Differences in Pro-active Driving Behavior Revealed by EEG Measures. <i>Frontiers in Human Neuroscience</i> , 2018 , 12, 321	3.3	14
102	Evaluating Pro- and Re-Active Driving Behavior by Means of the EEG. <i>Frontiers in Human Neuroscience</i> , 2018 , 12, 205	3.3	9
101	Proactive vs. reactive car driving: EEG evidence for different driving strategies of older drivers. <i>PLoS ONE</i> , 2018 , 13, e0191500	3.7	14
100	Effects of Visual and Acoustic Distraction on Driving Behavior and EEG in Young and Older Car Drivers: A Driving Simulation Study. <i>Frontiers in Aging Neuroscience</i> , 2018 , 10, 420	5.3	13
99	What Does the -Back Task Measure as We Get Older? Relations Between Working-Memory Measures and Other Cognitive Functions Across the Lifespan. <i>Frontiers in Psychology</i> , 2018 , 9, 2208	3.4	45
98	The contribution of selective spatial attention to sound detection and sound localization: Evidence from event-related potentials and lateralized alpha oscillations. <i>Biological Psychology</i> , 2018 , 138, 133-145	3.2	14
97	Compliance instead of flexibility? On age-related differences in cognitive control during visual search. <i>Neurobiology of Aging</i> , 2017 , 53, 169-180	5.6	9
96	The interconnection of mental fatigue and aging: An EEG study. <i>International Journal of Psychophysiology</i> , 2017 , 117, 17-25	2.9	32
95	On the neural mechanisms underlying the protective function of retroactive cuing against perceptual interference: Evidence by event-related potentials of the EEG. <i>Biological Psychology</i> , 2017 , 124, 47-56	3.2	19
94	On the contribution of motor planning to the retroactive cuing benefit in working memory: Evidence by mu and beta oscillatory activity in the EEG. <i>NeuroImage</i> , 2017 , 162, 73-85	7.9	24
93	Visually guided auditory attention in a dynamic "cocktail-party" speech perception task: ERP evidence for age-related differences. <i>Hearing Research</i> , 2017 , 344, 98-108	3.9	8
92	Sequential Modulations in a Combined Horizontal and Vertical Simon Task: Is There ERP Evidence for Feature Integration Effects?. <i>Frontiers in Psychology</i> , 2017 , 8, 1094	3.4	6
91	Concealed Around-the-Ear EEG Captures Cognitive Processing in a Visual Simon Task. <i>Frontiers in Human Neuroscience</i> , 2017 , 11, 290	3.3	15
90	Driver state examination--Treading new paths. <i>Accident Analysis and Prevention</i> , 2016 , 91, 157-65	6.1	26
89	Focused and divided attention in a simulated cocktail-party situation: ERP evidence from younger and older adults. <i>Neurobiology of Aging</i> , 2016 , 41, 138-149	5.6	21
88	Postdeviance distraction in younger and older adults: Neuro-behavioral evidence from speech perception. <i>Psychology and Aging</i> , 2016 , 31, 943-957	3.6	1

87	From Capture to Inhibition: How does Irrelevant Information Influence Visual Search? Evidence from a Spatial Cuing Paradigm. <i>Frontiers in Human Neuroscience</i> , 2016 , 10, 232	3.3	10
86	Classifying Response Correctness across Different Task Sets: A Machine Learning Approach. <i>PLoS ONE</i> , 2016 , 11, e0152864	3.7	10
85	The time course of visuo-spatial working memory updating revealed by a retro-cuing paradigm. <i>Scientific Reports</i> , 2016 , 6, 21442	4.9	34
84	The impact of simulated MRI scanner background noise on visual attention processes as measured by the EEG. <i>Scientific Reports</i> , 2016 , 6, 28371	4.9	4
83	On the fate of non-cued mental representations in visuo-spatial working memory: Evidence by a retro-cuing paradigm. <i>Behavioural Brain Research</i> , 2015 , 293, 114-24	3.4	24
82	Simon effects in change detection and change blindness. <i>Psychological Research</i> , 2015 , 79, 1022-33	2.5	1
81	Neurobehavioral and neurophysiological effects after acute exposure to a single peak of 200 ppm toluene in healthy volunteers. <i>NeuroToxicology</i> , 2015 , 48, 50-9	4.4	13
80	Body Sway as a Possible Indicator of Fatigue in Clerical Workers. <i>Safety and Health at Work</i> , 2015 , 6, 206-10	4.0	5
79	ERP correlates of auditory goal-directed behavior of younger and older adults in a dynamic speech perception task. <i>Behavioural Brain Research</i> , 2015 , 278, 435-45	3.4	22
78	The Effects of Time on Task in Response Selection--An ERP Study of Mental Fatigue. <i>Scientific Reports</i> , 2015 , 5, 10113	4.9	64
77	Does response selection contribute to inhibition of return?. <i>Psychophysiology</i> , 2015 , 52, 942-50	4.1	6
76	Effects of age on electrophysiological correlates of speech processing in a dynamic "cocktail-party" situation. <i>Frontiers in Neuroscience</i> , 2015 , 9, 341	5.1	22
75	What does successful speech-in-noise perception in aging depend on? Electrophysiological correlates of high and low performance in older adults. <i>Neuropsychologia</i> , 2015 , 70, 43-57	3.2	23
74	Eye-blinks in choice response tasks uncover hidden aspects of information processing. <i>EXCLI Journal</i> , 2015 , 14, 1207-18	2.4	25
73	Age-Sensitive Effects of Enduring Work with Alternating Cognitive and Physical Load. A Study Applying Mobile EEG in a Real Life Working Scenario. <i>Frontiers in Human Neuroscience</i> , 2015 , 9, 711	3.3	19
72	Frontal theta activity reflects distinct aspects of mental fatigue. <i>Biological Psychology</i> , 2014 , 96, 57-65	3.2	191
71	Towards the measurement of event-related EEG activity in real-life working environments. <i>International Journal of Psychophysiology</i> , 2014 , 91, 3-9	2.9	49
70	The influence of acute stress on attention mechanisms and its electrophysiological correlates. <i>Frontiers in Behavioral Neuroscience</i> , 2014 , 8, 353	3.5	96

69	Sustained posterior contralateral activity indicates re-entrant target processing in visual change detection: an EEG study. <i>Frontiers in Human Neuroscience</i> , 2014 , 8, 247	3.3	15
68	Crosslinking EEG time-frequency decomposition and fMRI in error monitoring. <i>Brain Structure and Function</i> , 2014 , 219, 595-605	4	35
67	Rapid Mental Fatigue Amplifies Age-Related Attentional Deficits. <i>Journal of Psychophysiology</i> , 2014 , 28, 215-224	1	13
66	Mechanisms of target localization in visual change detection: an interplay of gating and filtering. <i>Behavioural Brain Research</i> , 2013 , 256, 311-9	3.4	14
65	Differential effects of motor efference copies and proprioceptive information on response evaluation processes. <i>PLoS ONE</i> , 2013 , 8, e62335	3.7	38
64	Distinct neural processes in grapheme-colour synaesthetes and semantic controls. <i>European Journal of Neuroscience</i> , 2012 , 36, 3593-601	3.5	8
63	On the time course of bottom-up and top-down processes in selective visual attention: an EEG study. <i>Psychophysiology</i> , 2012 , 49, 1492-1503	4.1	37
62	When compensation fails: attentional deficits in healthy ageing caused by visual distraction. <i>Neuropsychologia</i> , 2012 , 50, 3185-92	3.2	36
61	When control fails: influence of the prefrontal but not striatal dopaminergic system on behavioural flexibility in a change detection task. <i>Neuropharmacology</i> , 2012 , 62, 1028-33	5.5	18
60	Spatial cueing modulates the monitoring of correct responses. <i>Neuroscience Letters</i> , 2012 , 506, 225-8	3.3	7
59	Faster perceptual learning through excitotoxic neurodegeneration. <i>Current Biology</i> , 2012 , 22, 1914-7	6.3	29
58	Neural correlates of individual performance differences in resolving perceptual conflict. <i>PLoS ONE</i> , 2012 , 7, e42849	3.7	10
57	Attentional capture by irrelevant transients leads to perceptual errors in a competitive change detection task. <i>Frontiers in Psychology</i> , 2012 , 3, 164	3.4	13
56	Personality and error monitoring: an update. <i>Frontiers in Human Neuroscience</i> , 2012 , 6, 171	3.3	15
55	Sex Differences in Competition-Based Attentional Selection. <i>Zeitschrift Fur Psychologie / Journal of Psychology</i> , 2012 , 220, 90-97	1.8	5
54	The influence of extrinsic motivation on competition-based selection. <i>Behavioural Brain Research</i> , 2011 , 224, 58-64	3.4	22
53	Age related strategic differences in processing irrelevant information. <i>Neuroscience Letters</i> , 2011 , 487, 66-9	3.3	26
52	Improvement and impairment of visually guided behavior through LTP- and LTD-like exposure-based visual learning. <i>Current Biology</i> , 2011 , 21, 876-82	6.3	80

51	Tuning perceptual competition. <i>Journal of Neurophysiology</i> , 2010 , 103, 1057-65	3.2	60
50	Spatial Representations as an Emergent Feature of Perceptual Processing. <i>Journal of Psychophysiology</i> , 2010 , 24, 161-172	1	14
49	Visuo-spatial processing and the N1 component of the ERP. <i>Psychophysiology</i> , 2009 , 46, 1270-7	4.1	52
48	The N2pc as an Electrophysiological Correlate of Attention in Change Blindness. <i>Journal of Psychophysiology</i> , 2009 , 23, 43-51	1	3
47	A Function Based Approach towards Adaptive Interfaces for Elderly Users. <i>Lecture Notes in Computer Science</i> , 2009 , 304-311	0.9	
46	Unvoluntary attentional capture in change blindness. <i>Psychophysiology</i> , 2008 , 45, 742-50	4.1	13
45	Localization of temporal preparation effects via trisected reaction time. <i>Psychophysiology</i> , 2007 , 44, 334-41	4.1	49
44	Electrophysiological correlates of stimulus processing in change blindness. <i>Experimental Brain Research</i> , 2007 , 183, 95-105	2.3	39
43	The Simon effect for vertical S-R relations: changing the mechanism by randomly varying the S-R mapping rule?. <i>Psychological Research</i> , 2007 , 71, 219-33	2.5	39
42	Response coding in the Simon task. <i>Psychological Research</i> , 2007 , 71, 401-10	2.5	27
41	Response coding and visuomotor transformation in the Simon task: the role of action goals. <i>Journal of Experimental Psychology: Human Perception and Performance</i> , 2007 , 33, 1269-82	2.6	25
40	Twin peaks: an ERP study of action planning and control in co-acting individuals. <i>Journal of Cognitive Neuroscience</i> , 2006 , 18, 859-70	3.1	174
39	Intentional pre-cueing does not influence the Simon effect. <i>Psychological Research</i> , 2006 , 70, 117-24	2.5	3
38	Differences Between Intention-Based and Stimulus-Based Actions. <i>Journal of Psychophysiology</i> , 2006 , 20, 9-20	1	31
37	Effects of rearranged vision on event-related lateralizations of the EEG during pointing. <i>Biological Psychology</i> , 2005 , 68, 15-39	3.2	7
36	Intention-based and stimulus-based mechanisms in action selection. <i>Experimental Brain Research</i> , 2005 , 162, 346-56	2.3	112
35	The timing of stimulus localisation and the Simon effect: an ERP study. <i>Experimental Brain Research</i> , 2005 , 163, 430-9	2.3	17
34	Evidence for an Integrative Role of P3b in Linking Reaction to Perception. <i>Journal of Psychophysiology</i> , 2005 , 19, 165-181	1	418

33	The Posterior Contralateral Negativity as a Temporal Indicator of Visuo-Spatial Processing. <i>Journal of Psychophysiology</i> , 2005 , 19, 182-194	1	30
32	Dynamic aspects of stimulus-response correspondence: evidence for two mechanisms involved in the Simon effect. <i>Journal of Experimental Psychology: Human Perception and Performance</i> , 2005 , 31, 453-64	2.6	105
31	Revealing effects of noninformative spatial cues: an EEG study of inhibition of return. <i>Psychophysiology</i> , 2004 , 41, 716-28	4.1	59
30	On the role of the cerebellum in exploiting temporal contingencies; evidence from response times and preparatory EEG potentials in patients with cerebellar atrophy. <i>Neuropsychologia</i> , 2004 , 42, 754-63	3.2	13
29	Attentional and intentional cueing in a Simon task: an EEG-based approach. <i>Psychological Research</i> , 2004 , 68, 18-30	2.5	21
28	Effects of rearranged vision on event-related lateralizations of the EEG during pointing. <i>Biological Psychology</i> , 2004 , 68, 15-15	3.2	
27	Visual search strategies are indexed by event-related lateralizations of the EEG. <i>Biological Psychology</i> , 2003 , 63, 79-100	3.2	22
26	Effects of pointing direction and direction predictability on event-related lateralizations of the EEG. <i>Human Movement Science</i> , 2002 , 21, 387-410	2.4	19
25	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	2.6	147
24	ERP correlates of associative learning. <i>Psychophysiology</i> , 2001 , 38, 440-450	4.1	23
23	ERP correlates of associative learning 2001 , 38, 440		1
22	Validity and boundary conditions of automatic response activation in the Simon task. <i>Journal of Experimental Psychology: Human Perception and Performance</i> , 2001 , 27, 731-51	2.6	85
21	The influence of time pressure and cue validity on response force in an S1-S2 paradigm. <i>Acta Psychologica</i> , 2000 , 105, 89-105	1.7	30
20	Lateralized EEG components with direction information for the preparation of saccades versus finger movements. <i>Experimental Brain Research</i> , 2000 , 132, 163-78	2.3	44
19	Dimensional overlap between arrows as cueing stimuli and responses?. Evidence from contra-ipsilateral differences in EEG potentials. <i>Cognitive Brain Research</i> , 2000 , 10, 99-109		45
18	CNV and temporal uncertainty with ageing and non-ageing S1-S2 intervals. <i>Clinical Neurophysiology</i> , 2000 , 111, 1216-26	4.3	94
17	Spatial S-R compatibility with centrally presented stimuli. An event-related asymmetry study on dimensional overlap. <i>Journal of Cognitive Neuroscience</i> , 1999 , 11, 214-29	3.1	48
16	Consequences of altered cerebellar input for the cortical regulation of motor coordination, as reflected in EEG potentials. <i>Experimental Brain Research</i> , 1999 , 127, 409-22	2.3	22

15	Slow EEG potentials (contingent negative variation and post-imperative negative variation) in schizophrenia: their association to the present state and to Parkinsonian medication effects. <i>Clinical Neurophysiology</i> , 1999 , 110, 1175-92	4.3	43
14	Lateralized human cortical activity for shifting visuospatial attention and initiating saccades. <i>Journal of Neurophysiology</i> , 1998 , 80, 2900-10	3.2	55
13	Responses to cued signals in Parkinson's disease. Distinguishing between disorders of cognition and of activation. <i>Brain</i> , 1997 , 120 (Pt 8), 1355-75	11.2	45
12	Lateralised cortical activity due to preparation of saccades and finger movements: a comparative study. <i>Electroencephalography and Clinical Neurophysiology</i> , 1997 , 102, 114-24		43
11	Shifting attention between global features and small details: an event-related potential study. <i>Biological Psychology</i> , 1997 , 46, 25-50	3.2	27
10	The interaction of stimulus- and response-related processes measured by event-related lateralizations of the EEG. <i>Electroencephalography and Clinical Neurophysiology</i> , 1996 , 99, 149-62		132
9	On-line brain potential correlates of right parietal patients' attentional deficit. <i>Electroencephalography and Clinical Neurophysiology</i> , 1996 , 99, 444-57		36
8	Preparation for action: an ERP study about two tasks provoking variability in response speed. <i>Psychophysiology</i> , 1996 , 33, 262-72	4.1	37
7	Differences in P3 amplitudes between schizophrenics and healthy controls vary between the different events presented in a guessing task. <i>Neuropsychobiology</i> , 1994 , 30, 114-23	4	3
6	Auditory selective attention is impaired in Parkinson's disease--event-related evidence from EEG potentials. <i>Cognitive Brain Research</i> , 1994 , 2, 117-29		43
5	EEG Source Localization for Brain-Computer-Interfaces		7
4	The Electrophysiological Signature of Mind Wandering		1
3	Distractor inhibition contributes to retroactive attentional orienting within working memory: Evidence by lateralized alpha oscillations in the EEG		1
2	Hemispheric asymmetries in posterior alpha power reflect the selection and inhibition of spatial context information in working memory		1
1	Measuring Correlates of Mental Workload During Simulated Driving Using cEEGrid Electrodes: A Test-Retest Reliability Analysis. <i>Frontiers in Neuroergonomics</i> , 2,	5.3	2