

# Heleen A Slagter

## List of Publications by Citations

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92  
papers

6,267  
citations

33  
h-index

79  
g-index

105  
ext. papers

7,335  
ext. citations

4.6  
avg, IF

6.04  
L-index

#	Paper	IF	Citations
92	The integration of negative affect, pain and cognitive control in the cingulate cortex. <i>Nature Reviews Neuroscience</i> , <b>2011</b> , 12, 154-67	13.5	1499
91	Attention regulation and monitoring in meditation. <i>Trends in Cognitive Sciences</i> , <b>2008</b> , 12, 163-9	14	1432
90	Mental training affects distribution of limited brain resources. <i>PLoS Biology</i> , <b>2007</b> , 5, e138	9.7	467
89	Mental training enhances attentional stability: neural and behavioral evidence. <i>Journal of Neuroscience</i> , <b>2009</b> , 29, 13418-27	6.6	304
88	Knowing good from bad: differential activation of human cortical areas by positive and negative outcomes. <i>European Journal of Neuroscience</i> , <b>2005</b> , 21, 3161-8	3.5	233
87	Functional anatomical correlates of controlled and automatic processing. <i>Journal of Cognitive Neuroscience</i> , <b>2001</b> , 13, 730-43	3.1	215
86	Mental training as a tool in the neuroscientific study of brain and cognitive plasticity. <i>Frontiers in Human Neuroscience</i> , <b>2011</b> , 5, 17	3.3	144
85	Probability effects in the stop-signal paradigm: the insula and the significance of failed inhibition. <i>Brain Research</i> , <b>2006</b> , 1105, 143-54	3.7	100
84	Theta phase synchrony and conscious target perception: impact of intensive mental training. <i>Journal of Cognitive Neuroscience</i> , <b>2009</b> , 21, 1536-49	3.1	93
83	Electromyogenic artifacts and electroencephalographic inferences. <i>Brain Topography</i> , <b>2009</b> , 22, 7-12	4.3	87
82	Repetitive Transcranial Magnetic Stimulation Affects behavior by Biasing Endogenous Cortical Oscillations. <i>Frontiers in Integrative Neuroscience</i> , <b>2009</b> , 3, 14	3.2	69
81	Blinks of the eye predict blinks of the mind. <i>Neuropsychologia</i> , <b>2008</b> , 46, 3179-83	3.2	68
80	The orienting of visuospatial attention: an event-related brain potential study. <i>Cognitive Brain Research</i> , <b>2005</b> , 25, 117-29		66
79	Facilitation and inhibition in attention: Functional dissociation of pre-stimulus alpha activity, P1, and N1 components. <i>NeuroImage</i> , <b>2016</b> , 125, 25-35	7.9	62
78	The effect of horizontal eye movements on free recall: a preregistered adversarial collaboration. <i>Journal of Experimental Psychology: General</i> , <b>2015</b> , 144, e1-15	4.7	60
77	fMRI evidence for both generalized and specialized components of attentional control. <i>Brain Research</i> , <b>2007</b> , 1177, 90-102	3.7	54
76	Brain responses evoked by high-frequency repetitive transcranial magnetic stimulation: an event-related potential study. <i>Brain Stimulation</i> , <b>2010</b> , 3, 2-14	5.1	50

75	Love to win or hate to Lose? Asymmetry of dopamine D2 receptor binding predicts sensitivity to reward versus punishment. <i>Journal of Cognitive Neuroscience</i> , <b>2014</b> , 26, 1039-48	3.1	47
74	Brain regions activated by endogenous preparatory set shifting as revealed by fMRI. <i>Cognitive, Affective and Behavioral Neuroscience</i> , <b>2006</b> , 6, 175-89	3.5	45
73	Probing emotion in the developing brain: functional neuroimaging in the assessment of the neural substrates of emotion in normal and disordered children and adolescents. <i>Mental Retardation and Developmental Disabilities Research Reviews</i> , <b>2000</b> , 6, 166-70		45
72	Oscillatory Control over Representational States in Working Memory. <i>Trends in Cognitive Sciences</i> , <b>2020</b> , 24, 150-162	14	44
71	Spontaneous eye blink rate predicts learning from negative, but not positive, outcomes. <i>Neuropsychologia</i> , <b>2015</b> , 71, 126-32	3.2	43
70	Event-related potential activity in the basal ganglia differentiates rewards from nonrewards: temporospatial principal components analysis and source localization of the feedback negativity: commentary. <i>Human Brain Mapping</i> , <b>2011</b> , 32, 2270-1	5.9	42
69	Bilateral saccadic eye movements and tactile stimulation, but not auditory stimulation, enhance memory retrieval. <i>Brain and Cognition</i> , <b>2013</b> , 81, 52-6	2.7	41
68	Dopamine asymmetries predict orienting bias in healthy individuals. <i>Cerebral Cortex</i> , <b>2013</b> , 23, 2899-904	5.1	39
67	Boosting Cognition: Effects of Multiple-Session Transcranial Direct Current Stimulation on Working Memory. <i>Journal of Cognitive Neuroscience</i> , <b>2017</b> , 29, 755-768	3.1	37
66	Learning What Is Irrelevant or Relevant: Expectations Facilitate Distractor Inhibition and Target Facilitation through Distinct Neural Mechanisms. <i>Journal of Neuroscience</i> , <b>2019</b> , 39, 6953-6967	6.6	37
65	Do Horizontal Saccadic Eye Movements Increase Interhemispheric Coherence? Investigation of a Hypothesized Neural Mechanism Underlying EMDR. <i>Frontiers in Psychiatry</i> , <b>2011</b> , 2, 4	5	37
64	Inhibition in selective attention. <i>Annals of the New York Academy of Sciences</i> , <b>2020</b> , 1464, 204-221	6.5	37
63	PET evidence for a role for striatal dopamine in the attentional blink: functional implications. <i>Journal of Cognitive Neuroscience</i> , <b>2012</b> , 24, 1932-40	3.1	36
62	Faster, more intense! The relation between electrophysiological reflections of attentional orienting, sensory gain control, and speed of responding. <i>Brain Research</i> , <b>2007</b> , 1178, 92-105	3.7	36
61	Dopamine and the management of attentional resources: genetic markers of striatal D2 dopamine predict individual differences in the attentional blink. <i>Journal of Cognitive Neuroscience</i> , <b>2011</b> , 23, 3576-85	3.1	35
60	Closing one's eyes to reality: Evidence for a dopaminergic basis of Psychoticism from spontaneous eye blink rates. <i>Personality and Individual Differences</i> , <b>2009</b> , 46, 377-380	3.3	33
59	Effects of Transcranial Direct Current Stimulation over Left Dorsolateral pFC on the Attentional Blink Depend on Individual Baseline Performance. <i>Journal of Cognitive Neuroscience</i> , <b>2015</b> , 27, 2382-93	3.1	28
58	Dynamic Interactions between Top-Down Expectations and Conscious Awareness. <i>Journal of Neuroscience</i> , <b>2018</b> , 38, 2318-2327	6.6	28

57	Subcortical, modality-specific pathways contribute to multisensory processing in humans. <i>Cerebral Cortex</i> , <b>2014</b> , 24, 2169-77	5.1	28
56	Spatio-temporal dynamics of top-down control: directing attention to location and/or color as revealed by ERPs and source modeling. <i>Cognitive Brain Research</i> , <b>2005</b> , 22, 333-48		28
55	Generating spatial and nonspatial attentional control: An ERP study. <i>Psychophysiology</i> , <b>2005</b> , 42, 428-39	4.1	27
54	Neural competition for conscious representation across time: an fMRI study. <i>PLoS ONE</i> , <b>2010</b> , 5, e10556	3.7	27
53	Proactive, but Not Reactive, Distractor Filtering Relies on Local Modulation of Alpha Oscillatory Activity. <i>Journal of Cognitive Neuroscience</i> , <b>2016</b> , 28, 1964-1979	3.1	26
52	Eye-blink rate predicts individual differences in pseudoneglect. <i>Neuropsychologia</i> , <b>2010</b> , 48, 1265-8	3.2	26
51	Control over experience? Magnitude of the attentional blink depends on meditative state. <i>Consciousness and Cognition</i> , <b>2014</b> , 23, 32-9	2.6	25
50	Tracking Real-Time Changes in Working Memory Updating and Gating with the Event-Based Eye-Blink Rate. <i>Scientific Reports</i> , <b>2017</b> , 7, 2547	4.9	25
49	No Evidence that Predictions and Attention Modulate the First Feedforward Sweep of Cortical Information Processing. <i>Cerebral Cortex</i> , <b>2019</b> , 29, 2261-2278	5.1	24
48	Effects of a brief mindfulness-meditation intervention on neural measures of response inhibition in cigarette smokers. <i>PLoS ONE</i> , <b>2018</b> , 13, e0191661	3.7	20
47	Behavioral and Electrophysiological Evidence of Enhanced Performance Monitoring in Meditators. <i>Mindfulness</i> , <b>2017</b> , 8, 1603-1614	2.9	19
46	Attentional orienting across the sensory modalities. <i>Brain and Cognition</i> , <b>2008</b> , 66, 1-10	2.7	19
45	Sustaining attention for a prolonged period of time increases temporal variability in cortical responses. <i>Cortex</i> , <b>2019</b> , 117, 16-32	3.8	18
44	Effects of meditation practice on spontaneous eyeblink rate. <i>Psychophysiology</i> , <b>2016</b> , 53, 749-58	4.1	18
43	From many to (n)one: Meditation and the plasticity of the predictive mind. <i>Neuroscience and Biobehavioral Reviews</i> , <b>2021</b> , 128, 199-217	9	18
42	Obsessive Compulsive Disorder: A Pathology of Self-Confidence?. <i>Trends in Cognitive Sciences</i> , <b>2019</b> , 23, 369-372	14	16
41	Oscillatory Mechanisms of Response Conflict Elicited by Color and Motion Direction: An Individual Differences Approach. <i>Journal of Cognitive Neuroscience</i> , <b>2018</b> , 30, 468-481	3.1	14
40	Contributions of the Ventral Striatum to Conscious Perception: An Intracranial EEG Study of the Attentional Blink. <i>Journal of Neuroscience</i> , <b>2017</b> , 37, 1081-1089	6.6	13

39	Beat-based and Memory-based Temporal Expectations in Rhythm: Similar Perceptual Effects, Different Underlying Mechanisms. <i>Journal of Cognitive Neuroscience</i> , <b>2020</b> , 32, 1221-1241	3.1	13
38	Conventional working memory training may not improve intelligence. <i>Trends in Cognitive Sciences</i> , <b>2012</b> , 16, 582-3	14	12
37	Neural mechanisms underlying expectation-dependent inhibition of distracting information. <i>ELife</i> , <b>2020</b> , 9,	8.9	12
36	Distractor inhibition predicts individual differences in recovery from the attentional blink. <i>PLoS ONE</i> , <b>2013</b> , 8, e64681	3.7	11
35	Dopamine and temporal attention: An attentional blink study in Parkinson's disease patients on and off medication. <i>Neuropsychologia</i> , <b>2016</b> , 91, 407-414	3.2	11
34	Effects of clonidine and scopolamine on multiple target detection in rapid serial visual presentation. <i>Psychopharmacology</i> , <b>2016</b> , 233, 341-50	4.7	10
33	No Differential Effects of Two Different Alpha-Band Electrical Stimulation Protocols Over Fronto-Parietal Regions on Spatial Attention. <i>Frontiers in Neuroscience</i> , <b>2018</b> , 12, 433	5.1	10
32	Protecting visual short-term memory during maintenance: Attentional modulation of target and distractor representations. <i>Scientific Reports</i> , <b>2017</b> , 7, 4061	4.9	10
31	Enhanced response inhibition and reduced midfrontal theta activity in experienced Vipassana meditators. <i>Scientific Reports</i> , <b>2019</b> , 9, 13215	4.9	9
30	No Evidence That Baseline Prefrontal Cortical Excitability (3T-MRS) Predicts the Effects of Prefrontal tDCS on WM Performance. <i>Frontiers in Neuroscience</i> , <b>2018</b> , 12, 481	5.1	8
29	Neural mechanisms underlying distractor inhibition on the basis of feature and/or spatial expectations. <i>Cortex</i> , <b>2021</b> , 137, 232-250	3.8	7
28	Stimulus discriminability may bias value-based probabilistic learning. <i>PLoS ONE</i> , <b>2017</b> , 12, e0176205	3.7	6
27	Exploring the role of expectations and stimulus relevance on stimulus-specific neural representations and conscious report. <i>Neuroscience of Consciousness</i> , <b>2019</b> , 2019, niz011	3.3	5
26	Promoting Open Science: A Holistic Approach to Changing Behaviour. <i>Collabra: Psychology</i> , <b>2021</b> , 7,	2.8	5
25	No Effect of Transcranial Direct Current Stimulation over Left Dorsolateral Prefrontal Cortex on Temporal Attention. <i>Journal of Cognitive Neuroscience</i> , <b>2021</b> , 33, 756-768	3.1	5
24	No Evidence That Frontal Eye Field tDCS Affects Latency or Accuracy of Prosaccades. <i>Frontiers in Neuroscience</i> , <b>2018</b> , 12, 617	5.1	5
23	How early does attention modulate visual information processing? The importance of experimental protocol and data analysis approach. <i>Cognitive Neuroscience</i> , <b>2018</b> , 9, 26-28	1.7	4
22	Neural mechanisms underlying distractor inhibition on the basis of feature and/or spatial expectations		4

21	Representational dynamics preceding conscious access. <i>NeuroImage</i> , <b>2021</b> , 230, 117789	7.9	4
20	The Dialectics of Free Energy Minimization. <i>Frontiers in Systems Neuroscience</i> , <b>2019</b> , 13, 42	3.5	2
19	A silent disco: Persistent entrainment of low-frequency neural oscillations underlies beat-based, but not memory-based temporal expectations		2
18	Subjective visibility report is facilitated by conscious predictions only. <i>Consciousness and Cognition</i> , <b>2021</b> , 87, 103048	2.6	2
17	Cognitive enhancement: it's about time. <i>Cognitive Neuroscience</i> , <b>2017</b> , 8, 119-120	1.7	1
16	Leveraging Spiking Deep Neural Networks to Understand the Neural Mechanisms Underlying Selective Attention.. <i>Journal of Cognitive Neuroscience</i> , <b>2022</b> , 1-20	3.1	1
15	No evidence that predictions and attention modulate the first feedforward sweep of cortical information processing		1
14	Sustaining attention for a prolonged period of time increases temporal variability in cortical responses		1
13	No evidence that frontal eye field tDCS affects latency or accuracy of prosaccades		1
12	Beat-based and memory-based temporal expectations in rhythm: similar perceptual effects, different underlying mechanisms		1
11	Effects of mid-frontal brain stimulation on sustained attention		1
10	Dynamic interactions between top-down expectations and conscious awareness		1
9	Effects of Midfrontal Brain Stimulation on Sustained Attention. <i>Journal of Cognitive Enhancement: Towards the Integration of Theory and Practice</i> , <b>2021</b> , 5, 62-72	2.4	1
8	Conscious perception and the modulatory role of dopamine: no effect of the dopamine D2 agonist cabergoline on visual masking, the attentional blink, and probabilistic discrimination. <i>Psychopharmacology</i> , <b>2020</b> , 237, 2855-2872	4.7	0
7	Effects of tDCS on the attentional blink revisited: A statistical evaluation of a replication attempt.. <i>PLoS ONE</i> , <b>2022</b> , 17, e0262718	3.7	0
6	Qualitative Versus Quantitative Individual Differences in Cognitive Neuroscience. <i>Journal of Cognition</i> , <b>2021</b> , 4, 49	3.2	0
5	Attention and distraction in the predictive brain. <i>Visual Cognition</i> , <b>2021</b> , 29, 631-636	1.8	0
4	Arousal state affects perceptual decision-making by modulating hierarchical sensory processing in a large-scale visual system model.. <i>PLoS Computational Biology</i> , <b>2022</b> , 18, e1009976	5	0

- 3 Ten simple rules to study distractor suppression.. *Progress in Neurobiology*, **2022**, 102269 10.9 ○
- 2 Transcranial direct current stimulation of the right frontal eye field to affect saccade execution. *Journal of Vision*, **2017**, 17, 898 0.4
- 1 Predictions, not attention, may modulate the first feedforward-sweep of cortical information processing. *Journal of Vision*, **2017**, 17, 676 0.4