Heleen A Slagter

List of Publications by Year
in descending order

86 papers	8,254 citations	109137 35 h-index	54797 84 g-index
105 all docs	105 docs citations	105 times ranked	8639 citing authors

#	Article	IF	Citations
1	Attention regulation and monitoring in meditation. Trends in Cognitive Sciences, 2008, 12, 163-169.	4.0	1,895
2	The integration of negative affect, pain and cognitive control in the cingulate cortex. Nature Reviews Neuroscience, 2011, 12, 154-167.	4.9	1,804
3	Mental Training Affects Distribution of Limited Brain Resources. PLoS Biology, 2007, 5, e138.	2.6	558
4	Mental Training Enhances Attentional Stability: Neural and Behavioral Evidence. Journal of Neuroscience, 2009, 29, 13418-13427.	1.7	374
5	Knowing good from bad: differential activation of human cortical areas by positive and negative outcomes. European Journal of Neuroscience, 2005, 21, 3161-3168.	1.2	255
6	Functional Anatomical Correlates of Controlled and Automatic Processing. Journal of Cognitive Neuroscience, 2001, 13, 730-743.	1.1	239
7	Mental Training as a Tool in the Neuroscientific Study of Brain and Cognitive Plasticity. Frontiers in Human Neuroscience, 2011, 5, 17.	1.0	188
8	Theta Phase Synchrony and Conscious Target Perception: Impact of Intensive Mental Training. Journal of Cognitive Neuroscience, 2009, 21, 1536-1549.	1.1	120
9	Probability effects in the stop-signal paradigm: The insula and the significance of failed inhibition. Brain Research, 2006, 1105, 143-154.	1.1	110
10	Electromyogenic Artifacts and Electroencephalographic Inferences. Brain Topography, 2009, 22, 7-12.	0.8	109
11	Oscillatory Control over Representational States in Working Memory. Trends in Cognitive Sciences, 2020, 24, 150-162.	4.0	105
12	Inhibition in selective attention. Annals of the New York Academy of Sciences, 2020, 1464, 204-221.	1.8	100
13	Facilitation and inhibition in attention: Functional dissociation of pre-stimulus alpha activity, P1, and N1 components. NeuroImage, 2016, 125, 25-35.	2.1	95
14	Learning What Is Irrelevant or Relevant: Expectations Facilitate Distractor Inhibition and Target Facilitation through Distinct Neural Mechanisms. Journal of Neuroscience, 2019, 39, 6953-6967.	1.7	87
15	The effect of horizontal eye movements on free recall: A preregistered adversarial collaboration.. Journal of Experimental Psychology: General, 2015, 144, e1-e15.	1.5	83
16	Repetitive transcranial magnetic stimulation affects behavior by biasing endogenous cortical oscillations. Frontiers in Integrative Neuroscience, 2009, 3, 14.	1.0	80
17	Blinks of the eye predict blinks of the mind. Neuropsychologia, 2008, 46, 3179-3183.	0.7	78
18	The orienting of visuospatial attention: An event-related brain potential study. Cognitive Brain Research, 2005, 25, 117-129.	3.3	74

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19	fMRI evidence for both generalized and specialized components of attentional control. Brain Research, 2007, 1177, 90-102.	1.1	64
20	Brain responses evoked by high-frequency repetitive transcranial magnetic stimulation: An event-related potential study. Brain Stimulation, 2010, 3, 2-14.	0.7	64
21	Eventâ€related potential activity in the basal ganglia differentiates rewards from nonrewards: Temporospatial principal components analysis and source localization of the feedback negativity: Commentary. Human Brain Mapping, 2011, 32, 2270-2271.	1.9	62
22	Spontaneous eye blink rate predicts learning from negative, but not positive, outcomes. Neuropsychologia, 2015, 71, 126-132.	0.7	59
23	From many to (n)one: Meditation and the plasticity of the predictive mind. Neuroscience and Biobehavioral Reviews, 2021, 128, 199-217.	2.9	58
24	Boosting Cognition: Effects of Multiple-Session Transcranial Direct Current Stimulation on Working Memory. Journal of Cognitive Neuroscience, 2017, 29, 755-768.	1.1	57
25	Brain regions activated by endogenous preparatory set shifting as revealed by fMRI. Cognitive, Affective and Behavioral Neuroscience, 2006, 6, 175-189.	1.0	56
26	Probing emotion in the developing brain: Functional neuroimaging in the assessment of the neural substrates of emotion in normal and disordered children and adolescents. Mental Retardation and Developmental Disabilities Research Reviews, 2000, 6, 166-170.	3.5	55
27	Bilateral saccadic eye movements and tactile stimulation, but not auditory stimulation, enhance memory retrieval. Brain and Cognition, 2013, 81, 52-56.	0.8	54
28	Love to Win or Hate to Lose? Asymmetry of Dopamine D2 Receptor Binding Predicts Sensitivity to Reward versus Punishment. Journal of Cognitive Neuroscience, 2014, 26, 1039-1048.	1.1	53
29	No Evidence that Predictions and Attention Modulate the First Feedforward Sweep of Cortical Information Processing. Cerebral Cortex, 2019, 29, 2261-2278.	1.6	52
30	Dopamine Asymmetries Predict Orienting Bias in Healthy Individuals. Cerebral Cortex, 2013, 23, 2899-2904.	1.6	51
31	Do Horizontal Saccadic Eye Movements Increase Interhemispheric Coherence? Investigation of a Hypothesized Neural Mechanism Underlying EMDR. Frontiers in Psychiatry, 2011, 2, 4.	1.3	50
32	Subcortical, Modality-Specific Pathways Contribute to Multisensory Processing in Humans. Cerebral Cortex, 2014, 24, 2169-2177.	1.6	45
33	Faster, more intense! The relation between electrophysiological reflections of attentional orienting, sensory gain control, and speed of responding. Brain Research, 2007, 1178, 92-105.	1.1	43
34	Neural mechanisms underlying expectation-dependent inhibition of distracting information. ELife, 2020, 9, .	2.8	43
35	Dynamic Interactions between Topâ€“Down Expectations and Conscious Awareness. Journal of Neuroscience, 2018, 38, 2318-2327.	1.7	42
36	PET Evidence for a Role for Striatal Dopamine in the Attentional Blink: Functional Implications. Journal of Cognitive Neuroscience, 2012, 24, 1932-1940.	1.1	41

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37	Proactive, but Not Reactive, Distractor Filtering Relies on Local Modulation of Alpha Oscillatory Activity. Journal of Cognitive Neuroscience, 2016, 28, 1964-1979.	1.1	40
38	Tracking Real-Time Changes in Working Memory Updating and Gating with the Event-Based Eye-Blink Rate. Scientific Reports, 2017, 7, 2547.	1.6	40
39	Beat-based and Memory-based Temporal Expectations in Rhythm: Similar Perceptual Effects, Different Underlying Mechanisms. Journal of Cognitive Neuroscience, 2020, 32, 1221-1241.	1.1	40
40	Closing oneâ€™s eyes to reality: Evidence for a dopaminergic basis of Psychoticism from spontaneous eye blink rates. Personality and Individual Differences, 2009, 46, 377-380.	1.6	38
41	Dopamine and the Management of Attentional Resources: Genetic Markers of Striatal D2 Dopamine Predict Individual Differences in the Attentional Blink. Journal of Cognitive Neuroscience, 2011, 23, 3576-3585.	1.1	37
42	Neural mechanisms underlying distractor inhibition on the basis of feature and/or spatial expectations. Cortex, 2021, 137, 232-250.	1.1	37
43	Effects of a brief mindfulness-meditation intervention on neural measures of response inhibition in cigarette smokers. PLoS ONE, 2018, 13, e0191661.	1.1	36
44	Eye-blink rate predicts individual differences in pseudoneglect. Neuropsychologia, 2010, 48, 1265-1268.	0.7	35
45	Control over experience? Magnitude of the attentional blink depends on meditative state. Consciousness and Cognition, 2014, 23, 32-39.	0.8	33
46	Spatio-temporal dynamics of top-down control: directing attention to location and/or color as revealed by ERPs and source modeling. Cognitive Brain Research, 2005, 22, 333-348.	3.3	32
47	Effects of Transcranial Direct Current Stimulation over Left Dorsolateral pFC on the Attentional Blink Depend on Individual Baseline Performance. Journal of Cognitive Neuroscience, 2015, 27, 2382-2393.	1.1	32
48	Sustaining attention for a prolonged period of time increases temporal variability in cortical responses. Cortex, 2019, 117, 16-32.	1.1	32
49	Ten simple rules to study distractor suppression. Progress in Neurobiology, 2022, 213, 102269.	2.8	31
50	Generating spatial and nonspatial attentional control: An ERP study. Psychophysiology, 2005, 42, 428-439.	1.2	30
51	Obsessive Compulsive Disorder: A Pathology of Self-Confidence?. Trends in Cognitive Sciences, 2019, 23, 369-372.	4.0	30
52	Neural Competition for Conscious Representation across Time: An fMRI Study. PLoS ONE, 2010, 5, e10556.	1.1	29
53	Behavioral and Electrophysiological Evidence of Enhanced Performance Monitoring in Meditators. Mindfulness, 2017, 8, 1603-1614.	1.6	26
54	Effects of meditation practice on spontaneous eyeblink rate. Psychophysiology, 2016, 53, 749-758.	1.2	24

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55	Contributions of the Ventral Striatum to Conscious Perception: An Intracranial EEG Study of the Attentional Blink. Journal of Neuroscience, 2017, 37, 1081-1089.	1.7	23
56	Attentional orienting across the sensory modalities. Brain and Cognition, 2008, 66, 1-10.	0.8	20
57	Protecting visual short-term memory during maintenance: Attentional modulation of target and distractor representations. Scientific Reports, 2017, 7, 4061.	1.6	19
58	Oscillatory Mechanisms of Response Conflict Elicited by Color and Motion Direction: An Individual Differences Approach. Journal of Cognitive Neuroscience, 2018, 30, 468-481.	1.1	18
59	Orchestration of brain oscillations: principles and functions. European Journal of Neuroscience, 2018, 48, 2385-2388.	1.2	18
60	Promoting Open Science: A Holistic Approach to Changing Behaviour. Collabra: Psychology, 2021, 7, .	0.9	18
61	Dopamine and temporal attention: An attentional blink study in Parkinson's disease patients on and off medication. Neuropsychologia, 2016, 91, 407-414.	0.7	17
62	Enhanced response inhibition and reduced midfrontal theta activity in experienced Vipassana meditators. Scientific Reports, 2019, 9, 13215.	1.6	17
63	No Differential Effects of Two Different Alpha-Band Electrical Stimulation Protocols Over Fronto-Parietal Regions on Spatial Attention. Frontiers in Neuroscience, 2018, 12, 433.	1.4	16
64	Conventional working memory training may not improve intelligence. Trends in Cognitive Sciences, 2012, 16, 582-583.	4.0	14
65	Distractor Inhibition Predicts Individual Differences in Recovery from the Attentional Blink. PLoS ONE, 2013, 8, e64681.	1.1	14
66	Effects of clonidine and scopolamine on multiple target detection in rapid serial visual presentation. Psychopharmacology, 2016, 233, 341-350.	1.5	13
67	No Evidence That Baseline Prefrontal Cortical Excitability (3T-MRS) Predicts the Effects of Prefrontal tDCS on WM Performance. Frontiers in Neuroscience, 2018, 12, 481.	1.4	13
68	Exploring the role of expectations and stimulus relevance on stimulus-specific neural representations and conscious report. Neuroscience of Consciousness, 2019, 2019, niz011.	1.4	11
69	No Evidence That Frontal Eye Field tDCS Affects Latency or Accuracy of Prosaccades. Frontiers in Neuroscience, 2018, 12, 617.	1.4	10
70	No Effect of Transcranial Direct Current Stimulation over Left Dorsolateral Prefrontal Cortex on Temporal Attention. Journal of Cognitive Neuroscience, 2021, 33, 756-768.	1.1	9
71	Representational dynamics preceding conscious access. NeuroImage, 2021, 230, 117789.	2.1	9
72	The Dialectics of Free Energy Minimization. Frontiers in Systems Neuroscience, 2019, 13, 42.	1.2	7

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73	Stimulus discriminability may bias value-based probabilistic learning. PLoS ONE, 2017, 12, e0176205.	1.1	7
74	Attention and distraction in the predictive brain. Visual Cognition, 2021, 29, 1-6.	0.9	6
75	Leveraging Spiking Deep Neural Networks to Understand the Neural Mechanisms Underlying Selective Attention. Journal of Cognitive Neuroscience, 2022, 34, 655-674.	1.1	6
76	Arousal state affects perceptual decision-making by modulating hierarchical sensory processing in a large-scale visual system model. PLoS Computational Biology, 2022, 18, e1009976.	1.5	6
77	Editorial: Effects of Game and Game-Like Training on Neurocognitive Plasticity. Frontiers in Human Neuroscience, 2016, 10, 123.	1.0	5
78	How early does attention modulate visual information processing? The importance of experimental protocol and data analysis approach. Cognitive Neuroscience, 2018, 9, 26-28.	0.6	5
79	Effects of tDCS on the attentional blink revisited: A statistical evaluation of a replication attempt. PLoS ONE, 2022, 17, e0262718.	1.1	5
80	Qualitative Versus Quantitative Individual Differences in Cognitive Neuroscience. Journal of Cognition, 2021, 4, 49.	1.0	4
81	Subjective visibility report is facilitated by conscious predictions only. Consciousness and Cognition, 2021, 87, 103048.	0.8	4
82	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. Psychopharmacology, 2020, 237, 2855-2872.	1.5	3
83	Cognitive enhancement: itâ€™s about time. Cognitive Neuroscience, 2017, 8, 119-120.	0.6	2
84	Effects of Midfrontal Brain Stimulation on Sustained Attention. Journal of Cognitive Enhancement: Towards the Integration of Theory and Practice, 2021, 5, 62-72.	0.8	2
85	Transcranial direct current stimulation of the right frontal eye field to affect saccade execution. Journal of Vision, 2017, 17, 898.	0.1	0
86	Predictions, not attention, may modulate the first feedforward-sweep of cortical information processing. Journal of Vision, 2017, 17, 676.	0.1	0