Simon van Gaal

List of Publications by Year
in descending order

52 papers	2,656 citations	236925 25 h-index	206112 48 g-index
64 all docs	64 docs citations	64 times ranked	2265 citing authors

#	Article	IF	Citations
1	Frontal Cortex Mediates Unconsciously Triggered Inhibitory Control. Journal of Neuroscience, 2008, 28, 8053-8062.	3.6	244
2	Unconscious Activation of the Prefrontal No-Go Network. Journal of Neuroscience, 2010, 30, 4143-4150.	3.6	209
3	Unconscious High-Level Information Processing. Neuroscientist, 2012, 18, 287-301.	3.5	145
4	Dynamic Interactions between Large-Scale Brain Networks Predict Behavioral Adaptation after Perceptual Errors. Cerebral Cortex, 2013, 23, 1061-1072.	2.9	137
5	Dissociating consciousness from inhibitory control: Evidence for unconsciously triggered response inhibition in the stop-signal task.. Journal of Experimental Psychology: Human Perception and Performance, 2009, 35, 1129-1139.	0.9	123
6	Creative cognition and dopaminergic modulation of fronto-striatal networks: Integrative review and research agenda. Neuroscience and Biobehavioral Reviews, 2017, 78, 13-23.	6.1	118
7	Dissociable Brain Mechanisms Underlying the Conscious and Unconscious Control of Behavior. Journal of Cognitive Neuroscience, 2011, 23, 91-105.	2.3	113
8	The role of consciousness in cognitive control and decision making. Frontiers in Human Neuroscience, 2012, 6, 121.	2.0	112
9	From ERPs to MVPA Using the Amsterdam Decoding and Modeling Toolbox (ADAM). Frontiers in Neuroscience, 2018, 12, 368.	2.8	104
10	Unconscious errors enhance prefrontal-occipital oscillatory synchrony. Frontiers in Human Neuroscience, 2009, 3, 54.	2.0	99
11	Subthreshold muscle twitches dissociate oscillatory neural signatures of conflicts from errors. NeuroImage, 2014, 86, 503-513.	4.2	92
12	Unconsciously Triggered Conflict Adaptation. PLoS ONE, 2010, 5, e11508.	2.5	91
13	Expectations accelerate entry of visual stimuli into awareness. Journal of Vision, 2015, 15, 13.	0.3	85
14	Pre-SMA Gray-matter Density Predicts Individual Differences in Action Selection in the Face of Conscious and Unconscious Response Conflict. Journal of Cognitive Neuroscience, 2011, 23, 382-390.	2.3	84
15	Can the meaning of multiple words be integrated unconsciously?. Philosophical Transactions of the Royal Society B: Biological Sciences, 2014, 369, 20130212.	4.0	82
16	Neuronal integration in visual cortex elevates face category tuning to conscious face perception. Proceedings of the National Academy of Sciences of the United States of America, 2012, 109, 21504-21509.	7.1	65
17	Opportunities and challenges for a maturing science of consciousness. Nature Human Behaviour, 2019, 3, 104-107.	12.0	58
18	No Evidence that Predictions and Attention Modulate the First Feedforward Sweep of Cortical Information Processing. Cerebral Cortex, 2019, 29, 2261-2278.	2.9	52

#	Article	IF	Citations
19	How Awareness Changes the Relative Weights of Evidence During Human Decision-Making. PLoS Biology, 2011, 9, e1001203.	5.6	51
20	Conflict awareness dissociates theta-band neural dynamics of the medial frontal and lateral frontal cortex during trial-by-trial cognitive control. NeuroImage, 2015, 116, 102-111.	4.2	47
21	Dynamic Interactions between Topâ€“Down Expectations and Conscious Awareness. Journal of Neuroscience, 2018, 38, 2318-2327.	3.6	42
22	On the pathophysiology and treatment of akinetic mutism. Neuroscience and Biobehavioral Reviews, 2020, 112, 270-278.	6.1	37
23	Immediate and long-term priming effects are independent of prime awareness. Consciousness and Cognition, 2011, 20, 1793-1800.	1.5	36
24	EEG neural oscillatory dynamics reveal semantic and response conflict at difference levels of conflict awareness. Scientific Reports, 2015, 5, 12008.	3.3	36
25	The Flexible Nature of Unconscious Cognition. PLoS ONE, 2011, 6, e25729.	2.5	32
26	How the Level of Reward Awareness Changes the Computational and Electrophysiological Signatures of Reinforcement Learning. Journal of Neuroscience, 2018, 38, 10338-10348.	3.6	30
27	GABAA Agonist Reduces Visual Awareness: A Maskingâ€“EEG Experiment. Journal of Cognitive Neuroscience, 2012, 24, 965-974.	2.3	26
28	Widespread neural oscillations in the delta band dissociate rule convergence from rule divergence during creative idea generation. Neuropsychologia, 2017, 104, 8-17.	1.6	26
29	The human visual system differentially represents subjectively and objectively invisible stimuli. PLoS Biology, 2021, 19, e3001241.	5.6	26
30	Decreased Alertness Reconfigures Cognitive Control Networks. Journal of Neuroscience, 2020, 40, 7142-7154.	3.6	25
31	The relationship between conflict awareness and behavioral and oscillatory signatures of immediate and delayed cognitive control. NeuroImage, 2018, 177, 11-19.	4.2	24
32	The Relationship between Visual Awareness, Attention, and Report. Journal of Neuroscience, 2008, 28, 5401-5402.	3.6	19
33	Electrophysiological correlates of block-wise strategic adaptations to consciously and unconsciously triggered conflict. Neuropsychologia, 2013, 51, 2791-2798.	1.6	18
34	Pupil Dilation and the Slow Wave ERP Reflect Surprise about Choice Outcome Resulting from Intrinsic Variability in Decision Confidence. Cerebral Cortex, 2021, 31, 3565-3578.	2.9	18
35	On the Necessity of Recurrent Processing during Object Recognition: It Depends on the Need for Scene Segmentation. Journal of Neuroscience, 2021, 41, 6281-6289.	3.6	17
36	Act Quickly, Decide Later: Long-latency Visual Processing Underlies Perceptual Decisions but Not Reflexive Behavior. Journal of Cognitive Neuroscience, 2011, 23, 3734-3745.	2.3	15

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37	Independent Neural Activity Patterns for Sensory- and Confidence-Based Information Maintenance during Category-Selective Visual Processing. ENeuro, 2019, 6, ENEURO.0268-18.2018.	1.9	13
38	Methylphenidate does not affect convergent and divergent creative processes in healthy adults. NeuroImage, 2020, 205, 116279.	4.2	13
39	Exploring the role of expectations and stimulus relevance on stimulus-specific neural representations and conscious report. Neuroscience of Consciousness, 2019, 2019, niz011.	2.6	11
40	No language unification without neural feedback: How awareness affects sentence processing. NeuroImage, 2019, 202, 116063.	4.2	10
41	No Evidence for Neural Overlap between Unconsciously Processed and Imagined Stimuli. ENeuro, 2021, 8, ENEURO.0228-21.2021.	1.9	10
42	Representational dynamics preceding conscious access. NeuroImage, 2021, 230, 117789.	4.2	9
43	Preserved sensory processing but hampered conflict detection when stimulus input is task-irrelevant. ELife, 2021, 10, .	6.0	9
44	Functional connectivity analysis of fMRI data using parameterized regions-of-interest. NeuroImage, 2011, 54, 410-416.	4.2	5
45	Manipulating word awareness dissociates feed-forward from feedback models of language-perception interactions. Neuroscience of Consciousness, 2015, 2015, niv003.	2.6	5
46	How early does attention modulate visual information processing? The importance of experimental protocol and data analysis approach. Cognitive Neuroscience, 2018, 9, 26-28.	1.4	5
47	Cue predictability does not modulate bottom-up attentional capture. Royal Society Open Science, 2018, 5, 180524.	2.4	5
48	Criteria for empirical theories of consciousness should focus on the explanatory power of mechanisms, not on functional equivalence. Cognitive Neuroscience, 2021, 12, 93-94.	1.4	4
49	Subjective visibility report is facilitated by conscious predictions only. Consciousness and Cognition, 2021, 87, 103048.	1.5	4
50	Towards consensus on visual pursuit and visual fixation in patients with disorders of consciousness. A Delphi study. Journal of Neurology, 2022, , 1.	3.6	2
51	Response to Desender & Van den Bussche: On the absence of a relationship between discriminability and priming. Consciousness and Cognition, 2012, 21, 1573-1574.	1.5	0
52	EEG decoding reveals functionally independent neural signatures for perceptual maintenance and confidence-based maintenance during conscious perception. Journal of Vision, 2018, 18, 440.	0.3	0