Victor A F Lamme

List of Publications by Year
in descending order

96 papers	9,131 citations	50170 46 h-index	43802 91 g-index
97 all docs	97 docs citations	97 times ranked	5442 citing authors

#	Article	IF	Citations
1	Object-based attention in the primary visual cortex of the macaque monkey. Nature, 1998, 395, 376-381.	13.7	769
2	Towards a true neural stance on consciousness. Trends in Cognitive Sciences, 2006, 10, 494-501.	4.0	763
3	Two distinct modes of sensory processing observed in monkey primary visual cortex (V1). Nature Neuroscience, 2001, 4, 304-310.	7.1	459
4	Large capacity storage of integrated objects before change blindness. Vision Research, 2003, 43, 149-164.	0.7	448
5	No-Report Paradigms: Extracting the True Neural Correlates of Consciousness. Trends in Cognitive Sciences, 2015, 19, 757-770.	4.0	338
6	Are There Multiple Visual Short-Term Memory Stores?. PLoS ONE, 2008, 3, e1699.	1.1	324
7	How neuroscience will change our view on consciousness. Cognitive Neuroscience, 2010, 1, 204-220.	0.6	281
8	A Neural Correlate of Working Memory in the Monkey Primary Visual Cortex. Science, 2001, 293, 120-124.	6.0	264
9	Masking Interrupts Figure-Ground Signals in V1. Journal of Cognitive Neuroscience, 2002, 14, 1044-1053.	1.1	258
10	Frontal Cortex Mediates Unconsciously Triggered Inhibitory Control. Journal of Neuroscience, 2008, 28, 8053-8062.	1.7	244
11	Figureâ€"Ground Segregation in a Recurrent Network Architecture. Journal of Cognitive Neuroscience, 2002, 14, 525-537.	1.1	230
12	Unconscious Activation of the Prefrontal No-Go Network. Journal of Neuroscience, 2010, 30, 4143-4150.	1.7	209
13	The Role of Attention in Figure-Ground Segregation in Areas V1 and V4 of the Visual Cortex. Neuron, 2012, 75, 143-156.	3.8	205
14	GABA Shapes the Dynamics of Bistable Perception. Current Biology, 2013, 23, 823-827.	1.8	176
15	Synchrony and covariation of firing rates in the primary visual cortex during contour grouping. Nature Neuroscience, 2004, 7, 982-991.	7.1	160
16	Neuronal synchrony does not represent texture segregation. Nature, 1998, 396, 362-366.	13.7	145
17	Unconscious High-Level Information Processing. Neuroscientist, 2012, 18, 287-301.	2.6	145
18	Repression of unconscious information by conscious processing: Evidence from affective blindsight induced by transcranial magnetic stimulation. Proceedings of the National Academy of Sciences of the United States of America, 2005, 102, 10747-10751.	3.3	139

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19	Internal State of Monkey Primary Visual Cortex (V1) Predicts Figureâ€“Ground Perception. Journal of Neuroscience, 2003, 23, 3407-3414.	1.7	138
20	Feedforward and Recurrent Processing in Scene Segmentation: Electroencephalography and Functional Magnetic Resonance Imaging. Journal of Cognitive Neuroscience, 2008, 20, 2097-2109.	1.1	125
21	Pupil size tracks perceptual content and surprise. European Journal of Neuroscience, 2015, 41, 1068-1078.	1.2	122
22	V4 Activity Predicts the Strength of Visual Short-Term Memory Representations. Journal of Neuroscience, 2009, 29, 7432-7438.	1.7	114
23	Dissociable Brain Mechanisms Underlying the Conscious and Unconscious Control of Behavior. Journal of Cognitive Neuroscience, 2011, 23, 91-105.	1.1	113
24	Brain responses strongly correlate with Weibull image statistics when processing natural images. Journal of Vision, 2009, 9, 29-29.	0.1	108
25	Neural signs and mechanisms of consciousness: Is there a potential convergence of theories of consciousness in sight?. Neuroscience and Biobehavioral Reviews, 2020, 118, 568-587.	2.9	108
26	The influence of inattention on the neural correlates of scene segmentation. Brain Research, 2006, 1076, 106-115.	1.1	107
27	From Image Statistics to Scene Gist: Evoked Neural Activity Reveals Transition from Low-Level Natural Image Structure to Scene Category. Journal of Neuroscience, 2013, 33, 18814-18824.	1.7	107
28	Confuse Your Illusion. Psychological Science, 2013, 24, 63-71.	1.8	103
29	Contour from motion processing occurs in primary visual cortex. Nature, 1993, 363, 541-543.	13.7	99
30	Unconscious errors enhance prefrontal-occipital oscillatory synchrony. Frontiers in Human Neuroscience, 2009, 3, 54.	1.0	99
31	A neural substrate for atypical low-level visual processing in autism spectrum disorder. Brain, 2008, 131, 1013-1024.	3.7	97
32	Unconsciously Triggered Conflict Adaptation. PLoS ONE, 2010, 5, e11508.	1.1	91
33	Detailed sensory memory, sloppy working memory. Frontiers in Psychology, 2010, 1, 175.	1.1	86
34	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.	1.1	84
35	Figureâ€“ground segregation requires two distinct periods of activity in V1: a transcranial magnetic stimulation study. NeuroReport, 2005, 16, 1483-1487.	0.6	74
36	Boundary assignment in a recurrent network architecture. Vision Research, 2007, 47, 1153-1165.	0.7	74

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37	Challenges for theories of consciousness: seeing or knowing, the missing ingredient and how to deal with panpsychism. Philosophical Transactions of the Royal Society B: Biological Sciences, 2018, 373, 20170344.	1.8	73
38	Fragile visual short-term memory is an object-based and location-specific store. Psychonomic Bulletin and Review, 2013, 20, 732-739.	1.4	69
39	Manipulations of attention dissociate fragile visual short-term memory from visual working memory. Neuropsychologia, 2011, 49, 1559-1568.	0.7	67
40	Forgotten but not gone: Retro-cue costs and benefits in a double-cueing paradigm suggest multiple states in visual short-term memory.. Journal of Experimental Psychology: Learning Memory and Cognition, 2015, 41, 1755-1763.	0.7	67
41	Spatially Pooled Contrast Responses Predict Neural and Perceptual Similarity of Naturalistic Image Categories. PLoS Computational Biology, 2012, 8, e1002726.	1.5	66
42	Top-down modulation in human visual cortex predicts the stability of a perceptual illusion. Journal of Neurophysiology, 2015, 113, 1063-1076.	0.9	66
43	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.	3.3	65
44	Correspondence of presaccadic activity in the monkey primary visual cortex with saccadic eye movements. Proceedings of the National Academy of Sciences of the United States of America, 2004, 101, 3230-3235.	3.3	59
45	Opportunities and challenges for a maturing science of consciousness. Nature Human Behaviour, 2019, 3, 104-107.	6.2	58
46	Seeing without Knowing: Neural Signatures of Perceptual Inference in the Absence of Report. Journal of Cognitive Neuroscience, 2014, 26, 955-969.	1.1	52
47	How Awareness Changes the Relative Weights of Evidence During Human Decision-Making. PLoS Biology, 2011, 9, e1001203.	2.6	51
48	Interactions between higher and lower visual areas improve shape selectivity of higher level neuronsâ€"Explaining crowding phenomena. Brain Research, 2007, 1157, 167-176.	1.1	46
49	Magnetic stimulation of the dorsolateral prefrontal cortex dissociates fragile visual short-term memory from visual working memory. Neuropsychologia, 2011, 49, 1578-1588.	0.7	44
50	Split brain: divided perception but undivided consciousness. Brain, 2017, 140, aww358.	3.7	42
51	Visual Functions Generating Conscious Seeing. Frontiers in Psychology, 2020, 11, 83.	1.1	42
52	Altered figure-ground perception in monkeys with an extra-striate lesion. Neuropsychologia, 2007, 45, 3329-3334.	0.7	39
53	Split-Brain: What We Know Now and Why This is Important for Understanding Consciousness. Neuropsychology Review, 2020, 30, 224-233.	2.5	39
54	The time course of natural scene perception with reduced attention. Journal of Neurophysiology, 2016, 115, 931-946.	0.9	34

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55	The role of figure-ground segregation in change blindness. Psychonomic Bulletin and Review, 2004, 11, 254-261.	1.4	33
56	The Flexible Nature of Unconscious Cognition. PLoS ONE, 2011, 6, e25729.	1.1	32
57	Consciousness science: real progress and lingering misconceptions. Trends in Cognitive Sciences, 2014, 18, 556-557.	4.0	29
58	Neural Correlates of Visual Short-term Memory Dissociate between Fragile and Working Memory Representations. Journal of Cognitive Neuroscience, 2015, 27, 2477-2490.	1.1	29
59	Proline and COMT Status Affect Visual Connectivity in Children with 22q11.2 Deletion Syndrome. PLoS ONE, 2011, 6, e25882.	1.1	29
60	Zap! Magnetic tricks on conscious and unconscious vision. Trends in Cognitive Sciences, 2006, 10, 193-195.	4.0	27
61	Two critical periods in early visual cortex during figureâ€“ground segregation. Brain and Behavior, 2012, 2, 763-777.	1.0	27
62	Scene complexity modulates degree of feedback activity during object detection in natural scenes. PLoS Computational Biology, 2018, 14, e1006690.	1.5	27
63	GABAA Agonist Reduces Visual Awareness: A Maskingâ€“EEG Experiment. Journal of Cognitive Neuroscience, 2012, 24, 965-974.	1.1	26
64	Coherent versus Component Motion Perception in Autism Spectrum Disorder. Journal of Autism and Developmental Disorders, 2008, 38, 941-949.	1.7	25
65	A true science of consciousness explains phenomenology: comment on Cohen and Dennett. Trends in Cognitive Sciences, 2012, 16, 138-139.	4.0	25
66	The Split-Brain Phenomenon Revisited: A Single Conscious Agent with Split Perception. Trends in Cognitive Sciences, 2017, 21, 835-851.	4.0	25
67	Figureâ€“ground activity in primary visual cortex (V1) of the monkey matches the speed of behavioral response. Neuroscience Letters, 2003, 344, 75-78.	1.0	24
68	Non-Attended Representations are Perceptual Rather than Unconscious in Nature. PLoS ONE, 2012, 7, e50042.	1.1	24
69	Set Size Effects in the Macaque Striate Cortex. Journal of Cognitive Neuroscience, 2003, 15, 873-882.	1.1	22
70	Relationship between change detection and post-change activity in visual area V1. NeuroReport, 2004, 15, 2211-2214.	0.6	22
71	A new approach to the study of detail perception in Autism Spectrum Disorder (ASD): Investigating visual feedforward, horizontal and feedback processing. Vision Research, 2009, 49, 1006-1016.	0.7	22
72	Conscious machines: Defining questions. Science, 2018, 359, 400-400.	6.0	22

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73	Does Perceptual Learning Require Consciousness or Attention?. Journal of Cognitive Neuroscience, 2013, 25, 1579-1596.	1.1	21
74	Opposing Dorsal/Ventral Stream Dynamics during Figure-ground Segregation. Journal of Cognitive Neuroscience, 2014, 26, 365-379.	1.1	20
75	NMDA Receptor Antagonist Ketamine Impairs Feature Integration in Visual Perception. PLoS ONE, 2013, 8, e79326.	1.1	20
76	Emotional facial expressions reduce neural adaptation to face identity. Social Cognitive and Affective Neuroscience, 2014, 9, 610-614.	1.5	19
77	Low-level contrast statistics are diagnostic of invariance of natural textures. Frontiers in Computational Neuroscience, 2012, 6, 34.	1.2	18
78	No-Report and Report-Based Paradigms Jointly Unravel the NCC: Response to Overgaard and Fazekas. Trends in Cognitive Sciences, 2016, 20, 242-243.	4.0	18
79	Conscious visual memory with minimal attention.. Journal of Experimental Psychology: General, 2017, 146, 214-226.	1.5	17
80	Abnormal timing of visual feedback processing in young adults with schizophrenia. Neuropsychologia, 2009, 47, 3105-3110.	0.7	16
81	Act Quickly, Decide Later: Long-latency Visual Processing Underlies Perceptual Decisions but Not Reflexive Behavior. Journal of Cognitive Neuroscience, 2011, 23, 3734-3745.	1.1	15
82	Recurrent Corticocortical Interactions in Neural Disease. Archives of Neurology, 2003, 60, 178.	4.9	14
83	Parallel development of ERP and behavioural measurements of visual segmentation. Developmental Science, 2014, 17, 1-10.	1.3	14
84	Consciousness is not necessary for visual feature binding. Psychonomic Bulletin and Review, 2015, 22, 453-460.	1.4	13
85	Processing speed in recurrent visual networks correlates with general intelligence. NeuroReport, 2007, 18, 39-43.	0.6	12
86	Transcranial magnetic stimulation-induced â€˜visual echoesâ€™ are generated in early visual cortex. Neuroscience Letters, 2010, 484, 178-181.	1.0	11
87	Cross-cueing cannot explain unified control in split-brain patients. Brain, 2017, 140, e68-e68.	3.7	10
88	What introspection has to offer, and where its limits lie. Cognitive Neuroscience, 2010, 1, 232-240.	0.6	9
89	Convolutional Neural Networks in the Brain: an fMRI study. Journal of Vision, 2015, 15, 371.	0.1	9
90	Functional connectivity within the visual cortex of the rat shows state changes. European Journal of Neuroscience, 1998, 10, 1490-1507.	1.2	7

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91	Attention sheds no light on the origin of phenomenal experience. Behavioral and Brain Sciences, 2001, 24, 993-993.	0.4	4
92	Sue Ned Block!: Making a better case for P-consciousness. Behavioral and Brain Sciences, 2007, 30, 511-512.	0.4	4
93	Latent Memory of Unattended Stimuli Reactivated by Practice: An fMRI Study on the Role of Consciousness and Attention in Learning. PLoS ONE, 2014, 9, e90098.	1.1	3
94	Local Versus Global Recurrency Commentary on: Cortex, Countercurrent context, and Dimensional Integration of Lifetime Memory by Bjorn Merker. Cortex, 2004, 40, 580-581.	1.1	2
95	Which brain mechanism cannot count beyond four?. Behavioral and Brain Sciences, 2001, 24, 142-143.	0.4	0
96	Selective increase in recurrent processing during object detection in complex natural scenes. Journal of Vision, 2015, 15, 346.	0.1	0