

# Victor A F Lamme

## List of Publications by Citations

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95  
papers

7,269  
citations

43  
h-index

85  
g-index

97  
ext. papers

8,265  
ext. citations

7.5  
avg, IF

6.34  
L-index

#	Paper	IF	Citations
95	Object-based attention in the primary visual cortex of the macaque monkey. <i>Nature</i> , <b>1998</b> , 395, 376-81	50.4	646
94	Towards a true neural stance on consciousness. <i>Trends in Cognitive Sciences</i> , <b>2006</b> , 10, 494-501	14	564
93	Two distinct modes of sensory processing observed in monkey primary visual cortex (V1). <i>Nature Neuroscience</i> , <b>2001</b> , 4, 304-10	25.5	403
92	Large capacity storage of integrated objects before change blindness. <i>Vision Research</i> , <b>2003</b> , 43, 149-64	2.1	374
91	Are there multiple visual short-term memory stores?. <i>PLoS ONE</i> , <b>2008</b> , 3, e1699	3.7	257
90	No-Report Paradigms: Extracting the True Neural Correlates of Consciousness. <i>Trends in Cognitive Sciences</i> , <b>2015</b> , 19, 757-770	14	243
89	Masking interrupts figure-ground signals in V1. <i>Journal of Cognitive Neuroscience</i> , <b>2002</b> , 14, 1044-53	3.1	219
88	Frontal cortex mediates unconsciously triggered inhibitory control. <i>Journal of Neuroscience</i> , <b>2008</b> , 28, 8053-62	6.6	217
87	How neuroscience will change our view on consciousness. <i>Cognitive Neuroscience</i> , <b>2010</b> , 1, 204-20	1.7	207
86	A neural correlate of working memory in the monkey primary visual cortex. <i>Science</i> , <b>2001</b> , 293, 120-4	33.3	205
85	Figure-ground segregation in a recurrent network architecture. <i>Journal of Cognitive Neuroscience</i> , <b>2002</b> , 14, 525-37	3.1	203
84	Unconscious activation of the prefrontal no-go network. <i>Journal of Neuroscience</i> , <b>2010</b> , 30, 4143-50	6.6	189
83	The role of attention in figure-ground segregation in areas V1 and V4 of the visual cortex. <i>Neuron</i> , <b>2012</b> , 75, 143-56	13.9	154
82	Synchrony and covariation of firing rates in the primary visual cortex during contour grouping. <i>Nature Neuroscience</i> , <b>2004</b> , 7, 982-91	25.5	145
81	GABA shapes the dynamics of bistable perception. <i>Current Biology</i> , <b>2013</b> , 23, 823-7	6.3	139
80	Repression of unconscious information by conscious processing: evidence from affective blindsight induced by transcranial magnetic stimulation. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2005</b> , 102, 10747-51	11.5	127
79	Internal state of monkey primary visual cortex (V1) predicts figure-ground perception. <i>Journal of Neuroscience</i> , <b>2003</b> , 23, 3407-14	6.6	121

78	Unconscious high-level information processing: implication for neurobiological theories of consciousness. <i>Neuroscientist</i> , <b>2012</b> , 18, 287-301	7.6	119
77	Neuronal synchrony does not represent texture segregation. <i>Nature</i> , <b>1998</b> , 396, 362-6	50.4	116
76	The influence of inattention on the neural correlates of scene segmentation. <i>Brain Research</i> , <b>2006</b> , 1076, 106-15	3.7	105
75	Dissociable brain mechanisms underlying the conscious and unconscious control of behavior. <i>Journal of Cognitive Neuroscience</i> , <b>2011</b> , 23, 91-105	3.1	101
74	Feedforward and recurrent processing in scene segmentation: electroencephalography and functional magnetic resonance imaging. <i>Journal of Cognitive Neuroscience</i> , <b>2008</b> , 20, 2097-109	3.1	96
73	V4 activity predicts the strength of visual short-term memory representations. <i>Journal of Neuroscience</i> , <b>2009</b> , 29, 7432-8	6.6	95
72	Contour from motion processing occurs in primary visual cortex. <i>Nature</i> , <b>1993</b> , 363, 541-3	50.4	88
71	Pupil size tracks perceptual content and surprise. <i>European Journal of Neuroscience</i> , <b>2015</b> , 41, 1068-78	3.5	87
70	Unconscious errors enhance prefrontal-occipital oscillatory synchrony. <i>Frontiers in Human Neuroscience</i> , <b>2009</b> , 3, 54	3.3	86
69	Brain responses strongly correlate with Weibull image statistics when processing natural images. <i>Journal of Vision</i> , <b>2009</b> , 9, 29.1-15	0.4	85
68	A neural substrate for atypical low-level visual processing in autism spectrum disorder. <i>Brain</i> , <b>2008</b> , 131, 1013-24	11.2	80
67	Unconsciously triggered conflict adaptation. <i>PLoS ONE</i> , <b>2010</b> , 5, e11508	3.7	79
66	Pre-SMA graymatter density predicts individual differences in action selection in the face of conscious and unconscious response conflict. <i>Journal of Cognitive Neuroscience</i> , <b>2011</b> , 23, 382-90	3.1	75
65	From image statistics to scene gist: evoked neural activity reveals transition from low-level natural image structure to scene category. <i>Journal of Neuroscience</i> , <b>2013</b> , 33, 18814-24	6.6	70
64	Confuse your illusion: feedback to early visual cortex contributes to perceptual completion. <i>Psychological Science</i> , <b>2013</b> , 24, 63-71	7.9	70
63	Detailed sensory memory, sloppy working memory. <i>Frontiers in Psychology</i> , <b>2010</b> , 1, 175	3.4	68
62	Figure-ground segregation requires two distinct periods of activity in V1: a transcranial magnetic stimulation study. <i>NeuroReport</i> , <b>2005</b> , 16, 1483-7	1.7	66
61	Boundary assignment in a recurrent network architecture. <i>Vision Research</i> , <b>2007</b> , 47, 1153-65	2.1	59

60	Manipulations of attention dissociate fragile visual short-term memory from visual working memory. <i>Neuropsychologia</i> , <b>2011</b> , 49, 1559-68	3.2	57
59	Fragile visual short-term memory is an object-based and location-specific store. <i>Psychonomic Bulletin and Review</i> , <b>2013</b> , 20, 732-9	4.1	52
58	Correspondence of presaccadic activity in the monkey primary visual cortex with saccadic eye movements. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2004</b> , 101, 3230-5	11.5	48
57	How awareness changes the relative weights of evidence during human decision-making. <i>PLoS Biology</i> , <b>2011</b> , 9, e1001203	9.7	47
56	Top-down modulation in human visual cortex predicts the stability of a perceptual illusion. <i>Journal of Neurophysiology</i> , <b>2015</b> , 113, 1063-76	3.2	46
55	Forgotten but not gone: Retro-cue costs and benefits in a double-cueing paradigm suggest multiple states in visual short-term memory. <i>Journal of Experimental Psychology: Learning Memory and Cognition</i> , <b>2015</b> , 41, 1755-63	2.2	44
54	Neuronal integration in visual cortex elevates face category tuning to conscious face perception. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2012</b> , 109, 21504-9	11.5	44
53	Interactions between higher and lower visual areas improve shape selectivity of higher level neurons-explaining crowding phenomena. <i>Brain Research</i> , <b>2007</b> , 1157, 167-76	3.7	44
52	Spatially pooled contrast responses predict neural and perceptual similarity of naturalistic image categories. <i>PLoS Computational Biology</i> , <b>2012</b> , 8, e1002726	5	42
51	Neural signs and mechanisms of consciousness: Is there a potential convergence of theories of consciousness in sight?. <i>Neuroscience and Biobehavioral Reviews</i> , <b>2020</b> , 118, 568-587	9	39
50	Seeing without knowing: neural signatures of perceptual inference in the absence of report. <i>Journal of Cognitive Neuroscience</i> , <b>2014</b> , 26, 955-69	3.1	37
49	Magnetic stimulation of the dorsolateral prefrontal cortex dissociates fragile visual short-term memory from visual working memory. <i>Neuropsychologia</i> , <b>2011</b> , 49, 1578-88	3.2	35
48	Split brain: divided perception but undivided consciousness. <i>Brain</i> , <b>2017</b> , 140, 1231-1237	11.2	34
47	Challenges for theories of consciousness: seeing or knowing, the missing ingredient and how to deal with panpsychism. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , <b>2018</b> , 373,	5.8	34
46	Altered figure-ground perception in monkeys with an extra-striate lesion. <i>Neuropsychologia</i> , <b>2007</b> , 45, 3329-34	3.2	34
45	The role of figure-ground segregation in change blindness. <i>Psychonomic Bulletin and Review</i> , <b>2004</b> , 11, 254-61	4.1	32
44	Opportunities and challenges for a maturing science of consciousness. <i>Nature Human Behaviour</i> , <b>2019</b> , 3, 104-107	12.8	28
43	Zap! Magnetic tricks on conscious and unconscious vision. <i>Trends in Cognitive Sciences</i> , <b>2006</b> , 10, 193-5	14	26

42	GABAA agonist reduces visual awareness: a masking-EEG experiment. <i>Journal of Cognitive Neuroscience</i> , <b>2012</b> , 24, 965-74	3.1	24
41	Neural Correlates of Visual Short-term Memory Dissociate between Fragile and Working Memory Representations. <i>Journal of Cognitive Neuroscience</i> , <b>2015</b> , 27, 2477-90	3.1	23
40	The time course of natural scene perception with reduced attention. <i>Journal of Neurophysiology</i> , <b>2016</b> , 115, 931-46	3.2	23
39	A true science of consciousness explains phenomenology: comment on Cohen and Dennett. <i>Trends in Cognitive Sciences</i> , <b>2012</b> , 16, 138-9; author reply 139-40	14	22
38	Coherent versus component motion perception in autism spectrum disorder. <i>Journal of Autism and Developmental Disorders</i> , <b>2008</b> , 38, 941-9	4.6	22
37	The flexible nature of unconscious cognition. <i>PLoS ONE</i> , <b>2011</b> , 6, e25729	3.7	22
36	Proline and COMT status affect visual connectivity in children with 22q11.2 deletion syndrome. <i>PLoS ONE</i> , <b>2011</b> , 6, e25882	3.7	22
35	Split-Brain: What We Know Now and Why This is Important for Understanding Consciousness. <i>Neuropsychology Review</i> , <b>2020</b> , 30, 224-233	7.7	21
34	Consciousness science: real progress and lingering misconceptions. <i>Trends in Cognitive Sciences</i> , <b>2014</b> , 18, 556-7	14	21
33	Two critical periods in early visual cortex during figure-ground segregation. <i>Brain and Behavior</i> , <b>2012</b> , 2, 763-77	3.4	21
32	Set size effects in the macaque striate cortex. <i>Journal of Cognitive Neuroscience</i> , <b>2003</b> , 15, 873-82	3.1	21
31	A new approach to the study of detail perception in Autism Spectrum Disorder (ASD): investigating visual feedforward, horizontal and feedback processing. <i>Vision Research</i> , <b>2009</b> , 49, 1006-16	2.1	20
30	Relationship between change detection and pre-change [corrected] activity in visual area V1. <i>NeuroReport</i> , <b>2004</b> , 15, 2211-4	1.7	20
29	Figure-ground activity in primary visual cortex (V1) of the monkey matches the speed of behavioral response. <i>Neuroscience Letters</i> , <b>2003</b> , 344, 75-8	3.3	19
28	The Split-Brain Phenomenon Revisited: A Single Conscious Agent with Split Perception. <i>Trends in Cognitive Sciences</i> , <b>2017</b> , 21, 835-851	14	17
27	Conscious machines: Defining questions. <i>Science</i> , <b>2018</b> , 359, 400	33.3	17
26	Opposing dorsal/ventral stream dynamics during figure-ground segregation. <i>Journal of Cognitive Neuroscience</i> , <b>2014</b> , 26, 365-79	3.1	17
25	Non-attended representations are perceptual rather than unconscious in nature. <i>PLoS ONE</i> , <b>2012</b> , 7, e50042	3.7	17

24	Does perceptual learning require consciousness or attention?. <i>Journal of Cognitive Neuroscience</i> , <b>2013</b> , 25, 1579-96	3.1	17
23	Low-level contrast statistics are diagnostic of invariance of natural textures. <i>Frontiers in Computational Neuroscience</i> , <b>2012</b> , 6, 34	3.5	16
22	NMDA receptor antagonist ketamine impairs feature integration in visual perception. <i>PLoS ONE</i> , <b>2013</b> , 8, e79326	3.7	16
21	Emotional facial expressions reduce neural adaptation to face identity. <i>Social Cognitive and Affective Neuroscience</i> , <b>2014</b> , 9, 610-4	4	15
20	Act quickly, decide later: long-latency visual processing underlies perceptual decisions but not reflexive behavior. <i>Journal of Cognitive Neuroscience</i> , <b>2011</b> , 23, 3734-45	3.1	14
19	Visual Functions Generating Conscious Seeing. <i>Frontiers in Psychology</i> , <b>2020</b> , 11, 83	3.4	13
18	Recurrent corticocortical interactions in neural disease. <i>Archives of Neurology</i> , <b>2003</b> , 60, 178-84		13
17	No-Report and Report-Based Paradigms Jointly Unravel the NCC: Response to Overgaard and Fazekas. <i>Trends in Cognitive Sciences</i> , <b>2016</b> , 20, 242-243	14	12
16	Conscious visual memory with minimal attention. <i>Journal of Experimental Psychology: General</i> , <b>2017</b> , 146, 214-226	4.7	12
15	Abnormal timing of visual feedback processing in young adults with schizophrenia. <i>Neuropsychologia</i> , <b>2009</b> , 47, 3105-10	3.2	11
14	Processing speed in recurrent visual networks correlates with general intelligence. <i>NeuroReport</i> , <b>2007</b> , 18, 39-43	1.7	11
13	Consciousness is not necessary for visual feature binding. <i>Psychonomic Bulletin and Review</i> , <b>2015</b> , 22, 453-60	4.1	10
12	Transcranial magnetic stimulation-induced visual echoes are generated in early visual cortex. <i>Neuroscience Letters</i> , <b>2010</b> , 484, 178-81	3.3	10
11	Scene complexity modulates degree of feedback activity during object detection in natural scenes. <i>PLoS Computational Biology</i> , <b>2018</b> , 14, e1006690	5	10
10	Cross-cueing cannot explain unified control in split-brain patients. <i>Brain</i> , <b>2017</b> , 140, e68	11.2	9
9	Parallel development of ERP and behavioural measurements of visual segmentation. <i>Developmental Science</i> , <b>2014</b> , 17, 1-10	4.5	7
8	Functional connectivity within the visual cortex of the rat shows state changes. <i>European Journal of Neuroscience</i> , <b>1998</b> , 10, 1490-507	3.5	7
7	What introspection has to offer, and where its limits lie. <i>Cognitive Neuroscience</i> , <b>2010</b> , 1, 232-40	1.7	6

6	Convolutional Neural Networks in the Brain: an fMRI study. <i>Journal of Vision</i> , <b>2015</b> , 15, 371	0.4	4
5	Sue Ned Block!: Making a better case for P-consciousness. <i>Behavioral and Brain Sciences</i> , <b>2007</b> , 30, 511-512	3	
4	Local versus global recurrency commentary on: Cortex, countercurrent context, and dimensional integration of lifetime memory by Bjorn Merker. <i>Cortex</i> , <b>2004</b> , 40, 580-1; discussion 582-3	3.8	1
3	Attention sheds no light on the origin of phenomenal experience. <i>Behavioral and Brain Sciences</i> , <b>2001</b> , 24, 993-993	0.9	1
2	Latent memory of unattended stimuli reactivated by practice: an FMRI study on the role of consciousness and attention in learning. <i>PLoS ONE</i> , <b>2014</b> , 9, e90098	3.7	1
1	Which brain mechanism cannot count beyond four?. <i>Behavioral and Brain Sciences</i> , <b>2001</b> , 24, 142-143	0.9	