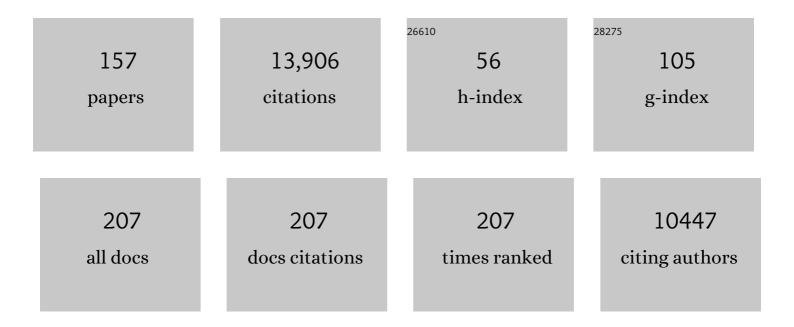
Floris P De Lange

List of Publications by Year in descending order

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#	Article	IF	CITATIONS
1	Less Is More: Expectation Sharpens Representations in the Primary Visual Cortex. Neuron, 2012, 75, 265-270.	3.8	654
2	Expectation in perceptual decision making: neural and computational mechanisms. Nature Reviews Neuroscience, 2014, 15, 745-756.	4.9	595
3	How Do Expectations Shape Perception?. Trends in Cognitive Sciences, 2018, 22, 764-779.	4.0	577
4	Shared Representations for Working Memory and Mental Imagery in Early Visual Cortex. Current Biology, 2013, 23, 1427-1431.	1.8	403
5	Prior Expectation Mediates Neural Adaptation to Repeated Sounds in the Auditory Cortex: An MEG Study. Journal of Neuroscience, 2011, 31, 9118-9123.	1.7	387
6	Complementary Systems for Understanding Action Intentions. Current Biology, 2008, 18, 454-457.	1.8	358
7	Attention Reverses the Effect of Prediction in Silencing Sensory Signals. Cerebral Cortex, 2012, 22, 2197-2206.	1.6	341
8	How Prediction Errors Shape Perception, Attention, and Motivation. Frontiers in Psychology, 2012, 3, 548.	1.1	341
9	Selective Activation of the Deep Layers of the Human Primary Visual Cortex by Top-Down Feedback. Current Biology, 2016, 26, 371-376.	1.8	310
10	Orienting Attention to an Upcoming Tactile Event Involves a Spatially and Temporally Specific Modulation of Sensorimotor Alpha- and Beta-Band Oscillations. Journal of Neuroscience, 2011, 31, 2016-2024.	1.7	305
11	Local Entrainment of Alpha Oscillations by Visual Stimuli Causes Cyclic Modulation of Perception. Journal of Neuroscience, 2014, 34, 3536-3544.	1.7	298
12	Opposite Effects of Recent History on Perception and Decision. Current Biology, 2017, 27, 590-595.	1.8	297
13	Repetition Suppression and Expectation Suppression Are Dissociable in Time in Early Auditory Evoked Fields. Journal of Neuroscience, 2012, 32, 13389-13395.	1.7	283
14	Motor Imagery in Mental Rotation: An fMRI Study. NeuroImage, 2002, 17, 1623-1633.	2.1	258
15	Posture influences motor imagery: An fMRI study. NeuroImage, 2006, 33, 609-617.	2.1	245
16	Anatomical Coupling between Distinct Metacognitive Systems for Memory and Visual Perception. Journal of Neuroscience, 2013, 33, 1897-1906.	1.7	244
17	Prior expectations induce prestimulus sensory templates. Proceedings of the National Academy of Sciences of the United States of America, 2017, 114, 10473-10478.	3.3	240
18	Prior Expectations Bias Sensory Representations in Visual Cortex. Journal of Neuroscience, 2013, 33, 16275-16284.	1.7	232

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19	Prestimulus Oscillatory Activity over Motor Cortex Reflects Perceptual Expectations. Journal of Neuroscience, 2013, 33, 1400-1410.	1.7	226
20	Increase in prefrontal cortical volume following cognitive behavioural therapy in patients with chronic fatigue syndrome. Brain, 2008, 131, 2172-2180.	3.7	205
21	Prior Expectations Evoke Stimulus Templates in the Primary Visual Cortex. Journal of Cognitive Neuroscience, 2014, 26, 1546-1554.	1.1	199
22	Integration of Target and Effector Information in the Human Brain During Reach Planning. Journal of Neurophysiology, 2007, 97, 188-199.	0.9	192
23	The suppression of repetition enhancement: A review of fMRI studies. Neuropsychologia, 2013, 51, 59-66.	0.7	187
24	Neural Topography and Content of Movement Representations. Journal of Cognitive Neuroscience, 2005, 17, 97-112.	1.1	175
25	Cerebral correlates of motor imagery of normal and precision gait. NeuroImage, 2008, 41, 998-1010.	2.1	168
26	Attention induces conservative subjective biases in visual perception. Nature Neuroscience, 2011, 14, 1513-1515.	7.1	168
27	Motor imagery: A window into the mechanisms and alterations of the motor system. Cortex, 2008, 44, 494-506.	1.1	166
28	Cerebral compensation during motor imagery in Parkinson's disease. Neuropsychologia, 2007, 45, 2201-2215.	0.7	160
29	Distinct Roles for Alpha- and Beta-Band Oscillations during Mental Simulation of Goal-Directed Actions. Journal of Neuroscience, 2014, 34, 14783-14792.	1.7	153
30	Shape Perception Simultaneously Up- and Downregulates Neural Activity in the Primary Visual Cortex. Current Biology, 2014, 24, 1531-1535.	1.8	148
31	Serial Dependence in Perceptual Decisions Is Reflected in Activity Patterns in Primary Visual Cortex. Journal of Neuroscience, 2016, 36, 6186-6192.	1.7	147
32	Gray matter volume reduction in the chronic fatigue syndrome. NeuroImage, 2005, 26, 777-781.	2.1	146
33	Laminar fMRI: Applications for cognitive neuroscience. NeuroImage, 2019, 197, 785-791.	2.1	140
34	Neural correlates of the chronic fatigue syndromean fMRI study. Brain, 2004, 127, 1948-1957.	3.7	126
35	Motor imagery of gait: a quantitative approach. Experimental Brain Research, 2007, 179, 497-504.	0.7	126
36	Interactions between posterior gamma and frontal alpha/beta oscillations during imagined actions. Frontiers in Human Neuroscience, 2008, 2, 7.	1.0	124

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37	Early Visual Cortex as a Multiscale Cognitive Blackboard. Annual Review of Vision Science, 2016, 2, 131-151.	2.3	124
38	Time-compressed preplay of anticipated events in human primary visual cortex. Nature Communications, 2017, 8, 15276.	5.8	120
39	When Errors Are Rewarding. Journal of Neuroscience, 2009, 29, 12183-12186.	1.7	118
40	Increased self-monitoring during imagined movements in conversion paralysis. Neuropsychologia, 2007, 45, 2051-2058.	0.7	115
41	Prior Expectation Modulates the Interaction between Sensory and Prefrontal Regions in the Human Brain. Journal of Neuroscience, 2011, 31, 10741-10748.	1.7	113
42	The role of consciousness in cognitive control and decision making. Frontiers in Human Neuroscience, 2012, 6, 121.	1.0	112
43	Spatial and Effector Processing in the Human Parietofrontal Network for Reaches and Saccades. Journal of Neurophysiology, 2009, 101, 3053-3062.	0.9	106
44	Cerebral Changes during Performance of Overlearned Arbitrary Visuomotor Associations. Journal of Neuroscience, 2006, 26, 117-125.	1.7	102
45	Does egocentric mental rotation elicit sex differences?. NeuroImage, 2004, 23, 1440-1449.	2.1	98
46	Attentional Cues Affect Accuracy and Reaction Time via Different Cognitive and Neural Processes. Journal of Neuroscience, 2012, 32, 10408-10412.	1.7	92
47	Language beyond action. Journal of Physiology (Paris), 2008, 102, 71-79.	2.1	88
48	Expectations accelerate entry of visual stimuli into awareness. Journal of Vision, 2015, 15, 13.	0.1	85
49	Differential temporal dynamics during visual imagery and perception. ELife, 2018, 7, .	2.8	85
50	Induction and Relief of Curiosity Elicit Parietal and Frontal Activity. Journal of Neuroscience, 2018, 38, 2579-2588.	1.7	82
51	Suppressed Sensory Response to Predictable Object Stimuli throughout the Ventral Visual Stream. Journal of Neuroscience, 2018, 38, 7452-7461.	1.7	82
52	Action sharpens sensory representations of expected outcomes. Nature Communications, 2018, 9, 4288.	5.8	78
53	A Bayesian and efficient observer model explains concurrent attractive and repulsive history biases in visual perception. ELife, 2020, 9, .	2.8	77
54	Dissociating sensory from decision processes in human perceptual decision making. Scientific Reports, 2016, 5, 18253.	1.6	76

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55	Temporal Expectation and Attention Jointly Modulate Auditory Oscillatory Activity in the Beta Band. PLoS ONE, 2015, 10, e0120288.	1.1	74
56	Laminar Organization of Working Memory Signals in Human Visual Cortex. Current Biology, 2018, 28, 3435-3440.e4.	1.8	71
57	Altered connectivity between prefrontal and sensorimotor cortex in conversion paralysis. Neuropsychologia, 2010, 48, 1782-1788.	0.7	70
58	Accumulation of Evidence during Sequential Decision Making: The Importance of Top–Down Factors. Journal of Neuroscience, 2010, 30, 731-738.	1.7	70
59	Efficient Bayesian multivariate fMRI analysis using a sparsifying spatio-temporal prior. NeuroImage, 2010, 50, 150-161.	2.1	65
60	Is the extrastriate body area part of the dorsal visuomotor stream?. Brain Structure and Function, 2018, 223, 31-46.	1.2	65
61	Increased Dependence of Action Selection on Recent Motor History in Parkinson's Disease. Journal of Neuroscience, 2009, 29, 6105-6113.	1.7	64
62	Electrocorticographic dissociation of alpha and beta rhythmic activity in the human sensorimotor system. ELife, 2019, 8, .	2.8	64
63	Inability to directly detect magnetic field changes associated with neuronal activity. Magnetic Resonance in Medicine, 2007, 57, 411-416.	1.9	62
64	Rapid parallel semantic processing of numbers without awareness. Cognition, 2011, 120, 136-147.	1.1	58
65	How the Human Brain Goes Virtual: Distinct Cortical Regions of the Person-Processing Network Are Involved in Self-Identification with Virtual Agents. Cerebral Cortex, 2012, 22, 1577-1585.	1.6	58
66	Continuous theta burst transcranial magnetic stimulation reduces resting state connectivity between visual areas. Journal of Neurophysiology, 2013, 110, 1811-1821.	0.9	58
67	Neural Decoding with Hierarchical Generative Models. Neural Computation, 2010, 22, 3127-3142.	1.3	57
68	Dissociable laminar profiles of concurrent bottom-up and top-down modulation in the human visual cortex. ELife, 2019, 8, .	2.8	56
69	Statistical learning attenuates visual activity only for attended stimuli. ELife, 2019, 8, .	2.8	55
70	Interplay Between Action and Movement Intentions During Social Interaction. Psychological Science, 2012, 23, 30-35.	1.8	54
71	Independent Causal Contributions of Alpha- and Beta-Band Oscillations during Movement Selection. Journal of Neuroscience, 2016, 36, 8726-8733.	1.7	54
72	Eye Movement-Related Confounds in Neural Decoding of Visual Working Memory Representations. ENeuro, 2018, 5, ENEURO.0401-17.2018.	0.9	54

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73	How Awareness Changes the Relative Weights of Evidence During Human Decision-Making. PLoS Biology, 2011, 9, e1001203.	2.6	51
74	The Predictive Brain as a Stubborn Scientist. Trends in Cognitive Sciences, 2019, 23, 6-8.	4.0	50
75	Mistakes that affect others: An fMRI study on processing of own errors in a social context. Experimental Brain Research, 2011, 211, 405-413.	0.7	48
76	Motor Planning Is Facilitated by Adopting an Action's Goal Posture: An fMRI Study. Cerebral Cortex, 2012, 22, 122-131.	1.6	47
77	Predictive Coding in Sensory Cortex. , 2015, , 221-244.		47
78	Dynamic Interactions between Top–Down Expectations and Conscious Awareness. Journal of Neuroscience, 2018, 38, 2318-2327.	1.7	42
79	Effects of rhythmic stimulus presentation on oscillatory brain activity: the physiology of cueing in Parkinson's disease. NeuroImage: Clinical, 2015, 9, 300-309.	1.4	39
80	Why so curious? Quantifying mechanisms of information seeking. Current Opinion in Behavioral Sciences, 2020, 35, 112-117.	2.0	39
81	Prestimulus hemodynamic activity in dorsal attention network is negatively associated with decision confidence in visual perception. Journal of Neurophysiology, 2012, 108, 1529-1536.	0.9	38
82	A shift from prospective to reactive modulation of beta-band oscillations in Parkinson's disease. NeuroImage, 2014, 100, 507-519.	2.1	38
83	Immediate and long-term priming effects are independent of prime awareness. Consciousness and Cognition, 2011, 20, 1793-1800.	0.8	36
84	The role of feature-based attention in visual serial dependence. Journal of Vision, 2019, 19, 21.	0.1	36
85	The Extrastriate Body Area Computes Desired Goal States during Action Planning. ENeuro, 2016, 3, ENEURO.0020-16.2016.	0.9	35
86	Expectation Suppression in Early Visual Cortex Depends on Task Set. PLoS ONE, 2015, 10, e0131172.	1.1	34
87	Mental Rotation Meets the Motion Aftereffect: The Role of hV5/MT+ in Visual Mental Imagery. Journal of Cognitive Neuroscience, 2011, 23, 1395-1404.	1.1	33
88	Spontaneous Activity Patterns in Primary Visual Cortex Predispose to Visual Hallucinations. Journal of Neuroscience, 2015, 35, 12947-12953.	1.7	33
89	Stimulus Familiarity and Expectation Jointly Modulate Neural Activity in the Visual Ventral Stream. Journal of Cognitive Neuroscience, 2018, 30, 1366-1377.	1.1	33
90	Preference for Audiovisual Speech Congruency in Superior Temporal Cortex. Journal of Cognitive Neuroscience, 2016, 28, 1-7.	1.1	31

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91	Word contexts enhance the neural representation of individual letters in early visual cortex. Nature Communications, 2020, 11, 321.	5.8	31
92	Body Posture Modulates Action Perception. Journal of Neuroscience, 2013, 33, 5930-5938.	1.7	29
93	Low attention impairs optimal incorporation of prior knowledge in perceptual decisions. Attention, Perception, and Psychophysics, 2015, 77, 2021-2036.	0.7	29
94	Opposite effects of choice history and evidence history resolve a paradox of sequential choice bias. Journal of Vision, 2020, 20, 9.	0.1	29
95	Action biases perceptual decisions toward expected outcomes Journal of Experimental Psychology: General, 2021, 150, 1225-1236.	1.5	29
96	Neural correlates of observing joint actions with shared intentions. Cortex, 2015, 70, 90-100.	1.1	28
97	Anticipation Increases Tactile Stimulus Processing in the Ipsilateral Primary Somatosensory Cortex. Cerebral Cortex, 2014, 24, 2562-2571.	1.6	27
98	Disentangling neural processes of egocentric and allocentric mental spatial transformations using whole-body photos of self and other. NeuroImage, 2015, 116, 30-39.	2.1	26
99	The Behavioral and Neural Effects of Language on Motion Perception. Journal of Cognitive Neuroscience, 2015, 27, 175-184.	1.1	26
100	Repetition suppression to objects is modulated by stimulus-specific expectations. Scientific Reports, 2017, 7, 8781.	1.6	25
101	Prefrontal Structure Varies as a Function of Pain Symptoms in Chronic Fatigue Syndrome. Biological Psychiatry, 2017, 81, 358-365.	0.7	25
102	Alpha Oscillations Shape Sensory Representation and Perceptual Sensitivity. Journal of Neuroscience, 2021, 41, 9581-9592.	1.7	25
103	Interplay Between Conceptual Expectations and Movement Predictions Underlies Action Understanding. Cerebral Cortex, 2015, 25, 2566-2573.	1.6	24
104	The Neural Mechanisms of Prediction in Visual Search. Cerebral Cortex, 2016, 26, 4327-4336.	1.6	22
105	Hippocampal and Prefrontal Theta-Band Mechanisms Underpin Implicit Spatial Context Learning. Journal of Neuroscience, 2020, 40, 191-202.	1.7	22
106	Prestimulus alpha power is related to the strength of stimulus representation. Cortex, 2020, 132, 250-257.	1.1	21
107	Local expectation violations result in global activity gain in primary visual cortex. Scientific Reports, 2016, 6, 37706.	1.6	19
108	Dissociable neural mechanisms underlie currently-relevant, future-relevant, and discarded working memory representations. Scientific Reports, 2020, 10, 11195.	1.6	19

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109	Impaired auditory-to-motor entrainment in Parkinson's disease. Journal of Neurophysiology, 2017, 117, 1853-1864.	0.9	18
110	Adolescents with autism show typical fMRI repetition suppression, but atypical surprise response. Cortex, 2018, 109, 25-34.	1.1	18
111	Curiosity or savouring? Information seeking is modulated by both uncertainty and valence. PLoS ONE, 2021, 16, e0257011.	1.1	18
112	Temporal tuning of repetition suppression across the visual cortex. Journal of Neurophysiology, 2020, 123, 224-233.	0.9	17
113	McGurk illusion recalibrates subsequent auditory perception. Scientific Reports, 2016, 6, 32891.	1.6	15
114	Reference repulsion is not a perceptual illusion. Cognition, 2019, 184, 107-118.	1.1	15
115	Action Enhances Predicted Touch. Psychological Science, 2022, 33, 48-59.	1.8	15
116	Linguistic priors shape categorical perception. Language, Cognition and Neuroscience, 2016, 31, 159-165.	0.7	14
117	Scene Context Impairs Perception of Semantically Congruent Objects. Psychological Science, 2022, 33, 299-313.	1.8	14
118	Brief Stimuli Cast a Persistent Long-Term Trace in Visual Cortex. Journal of Neuroscience, 2022, 42, 1999-2010.	1.7	14
119	Decoupling of BOLD amplitude and pattern classification of orientation-selective activity in human visual cortex. NeuroImage, 2018, 180, 31-40.	2.1	13
120	No evidence for altered up- and downregulation of brain activity in visual cortex during illusory shape perception in autism. Cortex, 2019, 117, 247-256.	1.1	12
121	Object Selection by Automatic Spreading of Top-Down Attentional Signals in V1. Journal of Neuroscience, 2020, 40, 9250-9259.	1.7	12
122	Uncertainty increases curiosity, but decreases happiness. Scientific Reports, 2021, 11, 14014.	1.6	12
123	Fatigue Is Associated With Altered Monitoring and Preparation of Physical Effort in Patients With Chronic Fatigue Syndrome. Biological Psychiatry: Cognitive Neuroscience and Neuroimaging, 2018, 3, 392-404.	1.1	11
124	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
125	Dynamic decoding of ongoing perception. NeuroImage, 2011, 57, 950-957.	2.1	10
126	Movement preparation improves touch perception without awareness. Cognition, 2015, 137, 189-195.	1.1	10

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127	Entrainment for attentional selection in Parkinson's disease. Cortex, 2018, 99, 166-178.	1.1	10
128	Action Recognition Depends on Observer's Level of Action Control and Social Personality Traits. PLoS ONE, 2013, 8, e81392.	1.1	10
129	Tracking Naturalistic Linguistic Predictions with Deep Neural Language Models. , 2019, , .		10
130	Investigating neural mechanisms of change of cognitive behavioural therapy for chronic fatigue syndrome: a randomized controlled trial. BMC Psychiatry, 2015, 15, 144.	1.1	9
131	Predictive remapping of visual features beyond saccadic targets. Journal of Vision, 2018, 18, 20.	0.1	9
132	Perceptual Decision-Making: Picking the Low-Hanging Fruit?. Trends in Cognitive Sciences, 2017, 21, 306-307.	4.0	8
133	Rapid recalibration of speech perception after experiencing the McGurk illusion. Royal Society Open Science, 2018, 5, 170909.	1.1	8
134	Motives underlying human curiosity. Nature Human Behaviour, 2019, 3, 550-551.	6.2	8
135	Spatiotemporal dynamics of brightness coding in human visual cortex revealed by the temporal context effect. Neurolmage, 2020, 205, 116277.	2.1	8
136	Temporal prediction elicits rhythmic preactivation of relevant sensory cortices. European Journal of Neuroscience, 2022, 55, 3324-3339.	1.2	7
137	Acute threat enhances perceptual sensitivity without affecting the decision criterion. Scientific Reports, 2022, 12, .	1.6	7
138	Predictable tones elicit stimulus-specific suppression of evoked activity in auditory cortex. NeuroImage, 2019, 200, 242-249.	2.1	6
139	Spatial and Temporal Context Jointly Modulate the Sensory Response within the Ventral Visual Stream. Journal of Cognitive Neuroscience, 2022, 34, 332-347.	1.1	6
140	Manipulating word awareness dissociates feed-forward from feedback models of language-perception interactions. Neuroscience of Consciousness, 2015, 2015, niv003.	1.4	5
141	Cue predictability does not modulate bottom-up attentional capture. Royal Society Open Science, 2018, 5, 180524.	1.1	5
142	Perceptual Expectations Modulate Low-Frequency Activity: A Statistical Learning Magnetoencephalography Study. Journal of Cognitive Neuroscience, 2020, 32, 691-702.	1.1	5
143	Leakage of decision uncertainty into movement execution in Parkinson's disease?. Experimental Brain Research, 2014, 232, 21-30.	0.7	4
144	Exploring the automaticity of language-perception interactions: Effects of attention and awareness. Scientific Reports, 2016, 5, 17725.	1.6	4

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145	Letter to the Editor: The experience of fatigue in the brain. Psychological Medicine, 2009, 39, 523-524.	2.7	3
146	Combined predictive effects of sentential and visual constraints in early audiovisual speech processing. Scientific Reports, 2019, 9, 7870.	1.6	3
147	Familiarity Increases Processing Speed in the Visual System. Journal of Cognitive Neuroscience, 2020, 32, 722-733.	1.1	3
148	Apparent Motion Induces Activity Suppression in Early Visual Cortex and Impairs Visual Detection. Journal of Neuroscience, 2020, 40, 5471-5479.	1.7	2
149	Adaptation and serial choice bias for low-level visual features are unaltered in autistic adolescents. Journal of Vision, 2022, 22, 1.	0.1	2
150	Weight Lifting in the Human Brain. Journal of Neuroscience, 2006, 26, 10327-10328.	1.7	1
151	The extrastriate body area (EBA): One structure, multiple functions?. Cognitive Neuroscience, 2011, 2, 211-212.	0.6	1
152	No exploitation of temporal sequence context during visual search. Royal Society Open Science, 2021, 8, 201565.	1.1	1
153	Laminar Organization of Working Memory Signals in Human Visual Cortex. SSRN Electronic Journal, 0,	0.4	1
154	Framing orientation selectivity. ELife, 2018, 7, .	2.8	1
155	Response to Desender & amp; Van den Bussche: On the absence of a relationship between discriminability and priming. Consciousness and Cognition, 2012, 21, 1573-1574.	0.8	0
156	Amodal completion instead of predictive coding can explain activity suppression of early visual cortex during illusory shape perception. Journal of Vision, 2021, 21, 13.	0.1	0
157	Flexible recoding of visual input for memory storage. Neuron, 2022, 110, 1747-1749.	3.8	0