Floris P De Lange

List of Publications by Year
in descending order

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Version: 2024-02-01

		30551	32181
157	13,906	56	105
papers	citations	h-index	g-index

207	207	207	11916
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Temporal prediction elicits rhythmic preactivation of relevant sensory cortices. European Journal of Neuroscience, 2022, 55, 3324-3339.	1.2	7
2	Scene Context Impairs Perception of Semantically Congruent Objects. Psychological Science, 2022, 33, 299-313.	1.8	14
3	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
4	Brief Stimuli Cast a Persistent Long-Term Trace in Visual Cortex. Journal of Neuroscience, 2022, 42, 1999-2010.	1.7	14
5	Action Enhances Predicted Touch. Psychological Science, 2022, 33, 48-59.	1.8	15
6	Adaptation and serial choice bias for low-level visual features are unaltered in autistic adolescents. Journal of Vision, 2022, 22, 1.	0.1	2
7	Acute threat enhances perceptual sensitivity without affecting the decision criterion. Scientific Reports, 2022, 12, .	1.6	7
8	Flexible recoding of visual input for memory storage. Neuron, 2022, 110, 1747-1749.	3.8	0
9	No exploitation of temporal sequence context during visual search. Royal Society Open Science, 2021, 8, 201565.	1.1	1
10	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
11	Uncertainty increases curiosity, but decreases happiness. Scientific Reports, 2021, 11, 14014.	1.6	12
12	Alpha Oscillations Shape Sensory Representation and Perceptual Sensitivity. Journal of Neuroscience, 2021, 41, 9581-9592.	1.7	25
13	Curiosity or savouring? Information seeking is modulated by both uncertainty and valence. PLoS ONE, 2021, 16, e0257011.	1.1	18
14	Action biases perceptual decisions toward expected outcomes.. Journal of Experimental Psychology: General, 2021, 150, 1225-1236.	1.5	29
15	Spatiotemporal dynamics of brightness coding in human visual cortex revealed by the temporal context effect. NeuroImage, 2020, 205, 116277.	2.1	8
16	Hippocampal and Prefrontal Theta-Band Mechanisms Underpin Implicit Spatial Context Learning. Journal of Neuroscience, 2020, 40, 191-202.	1.7	22
17	Perceptual Expectations Modulate Low-Frequency Activity: A Statistical Learning Magnetoencephalography Study. Journal of Cognitive Neuroscience, 2020, 32, 691-702.	1.1	5
18	Temporal tuning of repetition suppression across the visual cortex. Journal of Neurophysiology, 2020, 123, 224-233.	0.9	17

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19	Familiarity Increases Processing Speed in the Visual System. Journal of Cognitive Neuroscience, 2020, 32, 722-733.	1.1	3
20	Prestimulus alpha power is related to the strength of stimulus representation. Cortex, 2020, 132, 250-257.	1.1	21
21	Dissociable neural mechanisms underlie currently-relevant, future-relevant, and discarded working memory representations. Scientific Reports, 2020, 10, 11195.	1.6	19
22	Opposite effects of choice history and evidence history resolve a paradox of sequential choice bias. Journal of Vision, 2020, 20, 9.	0.1	29
23	Why so curious? Quantifying mechanisms of information seeking. Current Opinion in Behavioral Sciences, 2020, 35, 112-117.	2.0	39
24	Object Selection by Automatic Spreading of Top-Down Attentional Signals in V1. Journal of Neuroscience, 2020, 40, 9250-9259.	1.7	12
25	Apparent Motion Induces Activity Suppression in Early Visual Cortex and Impairs Visual Detection. Journal of Neuroscience, 2020, 40, 5471-5479.	1.7	2
26	Word contexts enhance the neural representation of individual letters in early visual cortex. Nature Communications, 2020, 11, 321.	5.8	31
27	A Bayesian and efficient observer model explains concurrent attractive and repulsive history biases in visual perception. ELife, 2020, 9, .	2.8	77
28	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
29	Predictable tones elicit stimulus-specific suppression of evoked activity in auditory cortex. NeuroImage, 2019, 200, 242-249.	2.1	6
30	Combined predictive effects of sentential and visual constraints in early audiovisual speech processing. Scientific Reports, 2019, 9, 7870.	1.6	3
31	Motives underlying human curiosity. Nature Human Behaviour, 2019, 3, 550-551.	6.2	8
32	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
33	The role of feature-based attention in visual serial dependence. Journal of Vision, 2019, 19, 21.	0.1	36
34	The Predictive Brain as a Stubborn Scientist. Trends in Cognitive Sciences, 2019, 23, 6-8.	4.0	50
35	Reference repulsion is not a perceptual illusion. Cognition, 2019, 184, 107-118.	1.1	15
36	Laminar fMRI: Applications for cognitive neuroscience. NeuroImage, 2019, 197, 785-791.	2.1	140

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37	Tracking Naturalistic Linguistic Predictions with Deep Neural Language Models. , 2019, , .		10
38	Dissociable laminar profiles of concurrent bottom-up and top-down modulation in the human visual cortex. ELife, 2019, 8, .	2.8	56
39	Statistical learning attenuates visual activity only for attended stimuli. ELife, 2019, 8, .	2.8	55
40	Electrocorticographic dissociation of alpha and beta rhythmic activity in the human sensorimotor system. ELife, 2019, 8, .	2.8	64
41	Induction and Relief of Curiosity Elicit Parietal and Frontal Activity. Journal of Neuroscience, 2018, 38, 2579-2588.	1.7	82
42	Dynamic Interactions between Topâ€“Down Expectations and Conscious Awareness. Journal of Neuroscience, 2018, 38, 2318-2327.	1.7	42
43	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
44	Is the extrastriate body area part of the dorsal visuomotor stream?. Brain Structure and Function, 2018, 223, 31-46.	1.2	65
45	Decoupling of BOLD amplitude and pattern classification of orientation-selective activity in human visual cortex. NeuroImage, 2018, 180, 31-40.	2.1	13
46	Entrainment for attentional selection in Parkinson's disease. Cortex, 2018, 99, 166-178.	1.1	10
47	Predictive remapping of visual features beyond saccadic targets. Journal of Vision, 2018, 18, 20.	0.1	9
48	Cue predictability does not modulate bottom-up attentional capture. Royal Society Open Science, 2018, 5, 180524.	1.1	5
49	Eye Movement-Related Confounds in Neural Decoding of Visual Working Memory Representations. ENeuro, 2018, 5, ENEURO.0401-17.2018.	0.9	54
50	Laminar Organization of Working Memory Signals in Human Visual Cortex. Current Biology, 2018, 28, 3435-3440.e4.	1.8	71
51	Action sharpens sensory representations of expected outcomes. Nature Communications, 2018, 9, 4288.	5.8	78
52	Adolescents with autism show typical fMRI repetition suppression, but atypical surprise response. Cortex, 2018, 109, 25-34.	1.1	18
53	Stimulus Familiarity and Expectation Jointly Modulate Neural Activity in the Visual Ventral Stream. Journal of Cognitive Neuroscience, 2018, 30, 1366-1377.	1.1	33
54	Rapid recalibration of speech perception after experiencing the McGurk illusion. Royal Society Open Science, 2018, 5, 170909.	1.1	8

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55	How Do Expectations Shape Perception?. Trends in Cognitive Sciences, 2018, 22, 764-779.	4.0	577
56	Suppressed Sensory Response to Predictable Object Stimuli throughout the Ventral Visual Stream. Journal of Neuroscience, 2018, 38, 7452-7461.	1.7	82
57	Differential temporal dynamics during visual imagery and perception. ELife, 2018, 7, .	2.8	85
58	Framing orientation selectivity. ELife, 2018, 7, .	2.8	1
59	Opposite Effects of Recent History on Perception and Decision. Current Biology, 2017, 27, 590-595.	1.8	297
60	Impaired auditory-to-motor entrainment in Parkinsonâ€™s disease. Journal of Neurophysiology, 2017, 117, 1853-1864.	0.9	18
61	Time-compressed preplay of anticipated events in human primary visual cortex. Nature Communications, 2017, 8, 15276.	5.8	120
62	Perceptual Decision-Making: Picking the Low-Hanging Fruit?. Trends in Cognitive Sciences, 2017, 21, 306-307.	4.0	8
63	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
64	Repetition suppression to objects is modulated by stimulus-specific expectations. Scientific Reports, 2017, 7, 8781.	1.6	25
65	Prefrontal Structure Varies as a Function of Pain Symptoms in Chronic Fatigue Syndrome. Biological Psychiatry, 2017, 81, 358-365.	0.7	25
66	Exploring the automaticity of language-perception interactions: Effects of attention and awareness. Scientific Reports, 2016, 5, 17725.	1.6	4
67	Dissociating sensory from decision processes in human perceptual decision making. Scientific Reports, 2016, 5, 18253.	1.6	76
68	Independent Causal Contributions of Alpha- and Beta-Band Oscillations during Movement Selection. Journal of Neuroscience, 2016, 36, 8726-8733.	1.7	54
69	Early Visual Cortex as a Multiscale Cognitive Blackboard. Annual Review of Vision Science, 2016, 2, 131-151.	2.3	124
70	Local expectation violations result in global activity gain in primary visual cortex. Scientific Reports, 2016, 6, 37706.	1.6	19
71	McGurk illusion recalibrates subsequent auditory perception. Scientific Reports, 2016, 6, 32891.	1.6	15
72	The Extrastriate Body Area Computes Desired Goal States during Action Planning. ENeuro, 2016, 3, ENEURO.0020-16.2016.	0.9	35

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73	Serial Dependence in Perceptual Decisions Is Reflected in Activity Patterns in Primary Visual Cortex. Journal of Neuroscience, 2016, 36, 6186-6192.	1.7	147
74	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
75	The Neural Mechanisms of Prediction in Visual Search. Cerebral Cortex, 2016, 26, 4327-4336.	1.6	22
76	Preference for Audiovisual Speech Congruency in Superior Temporal Cortex. Journal of Cognitive Neuroscience, 2016, 28, 1-7.	1.1	31
77	Linguistic priors shape categorical perception. Language, Cognition and Neuroscience, 2016, 31, 159-165.	0.7	14
78	Expectations accelerate entry of visual stimuli into awareness. Journal of Vision, 2015, 15, 13.	0.1	85
79	Temporal Expectation and Attention Jointly Modulate Auditory Oscillatory Activity in the Beta Band. PLoS ONE, 2015, 10, e0120288.	1.1	74
80	Predictive Coding in Sensory Cortex. , 2015, , 221-244.		47
81	Manipulating word awareness dissociates feed-forward from feedback models of language-perception interactions. Neuroscience of Consciousness, 2015, 2015, niv003.	1.4	5
82	Effects of rhythmic stimulus presentation on oscillatory brain activity: the physiology of cueing in Parkinsonâ€™s disease. NeuroImage: Clinical, 2015, 9, 300-309.	1.4	39
83	Movement preparation improves touch perception without awareness. Cognition, 2015, 137, 189-195.	1.1	10
84	Interplay Between Conceptual Expectations and Movement Predictions Underlies Action Understanding. Cerebral Cortex, 2015, 25, 2566-2573.	1.6	24
85	Neural correlates of observing joint actions with shared intentions. Cortex, 2015, 70, 90-100.	1.1	28
86	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
87	Low attention impairs optimal incorporation of prior knowledge in perceptual decisions. Attention, Perception, and Psychophysics, 2015, 77, 2021-2036.	0.7	29
88	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
89	Spontaneous Activity Patterns in Primary Visual Cortex Predispose to Visual Hallucinations. Journal of Neuroscience, 2015, 35, 12947-12953.	1.7	33
90	The Behavioral and Neural Effects of Language on Motion Perception. Journal of Cognitive Neuroscience, 2015, 27, 175-184.	1.1	26

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91	Expectation Suppression in Early Visual Cortex Depends on Task Set. PLoS ONE, 2015, 10, e0131172.	1.1	34
92	Local Entrainment of Alpha Oscillations by Visual Stimuli Causes Cyclic Modulation of Perception. Journal of Neuroscience, 2014, 34, 3536-3544.	1.7	298
93	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
94	Prior Expectations Evoke Stimulus Templates in the Primary Visual Cortex. Journal of Cognitive Neuroscience, 2014, 26, 1546-1554.	1.1	199
95	Anticipation Increases Tactile Stimulus Processing in the Ipsilateral Primary Somatosensory Cortex. Cerebral Cortex, 2014, 24, 2562-2571.	1.6	27
96	Leakage of decision uncertainty into movement execution in Parkinsonâ€™s disease?. Experimental Brain Research, 2014, 232, 21-30.	0.7	4
97	A shift from prospective to reactive modulation of beta-band oscillations in Parkinson's disease. NeuroImage, 2014, 100, 507-519.	2.1	38
98	Shape Perception Simultaneously Up- and Downregulates Neural Activity in the Primary Visual Cortex. Current Biology, 2014, 24, 1531-1535.	1.8	148
99	Expectation in perceptual decision making: neural and computational mechanisms. Nature Reviews Neuroscience, 2014, 15, 745-756.	4.9	595
100	Shared Representations for Working Memory and Mental Imagery in Early Visual Cortex. Current Biology, 2013, 23, 1427-1431.	1.8	403
101	The suppression of repetition enhancement: A review of fMRI studies. Neuropsychologia, 2013, 51, 59-66.	0.7	187
102	Prior Expectations Bias Sensory Representations in Visual Cortex. Journal of Neuroscience, 2013, 33, 16275-16284.	1.7	232
103	Anatomical Coupling between Distinct Metacognitive Systems for Memory and Visual Perception. Journal of Neuroscience, 2013, 33, 1897-1906.	1.7	244
104	Continuous theta burst transcranial magnetic stimulation reduces resting state connectivity between visual areas. Journal of Neurophysiology, 2013, 110, 1811-1821.	0.9	58
105	Prestimulus Oscillatory Activity over Motor Cortex Reflects Perceptual Expectations. Journal of Neuroscience, 2013, 33, 1400-1410.	1.7	226
106	Body Posture Modulates Action Perception. Journal of Neuroscience, 2013, 33, 5930-5938.	1.7	29
107	Action Recognition Depends on Observerâ€™s Level of Action Control and Social Personality Traits. PLoS ONE, 2013, 8, e81392.	1.1	10
108	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

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109	Motor Planning Is Facilitated by Adopting an Action's Goal Posture: An fMRI Study. Cerebral Cortex, 2012, 22, 122-131.	1.6	47
110	Attentional Cues Affect Accuracy and Reaction Time via Different Cognitive and Neural Processes. Journal of Neuroscience, 2012, 32, 10408-10412.	1.7	92
111	Repetition Suppression and Expectation Suppression Are Dissociable in Time in Early Auditory Evoked Fields. Journal of Neuroscience, 2012, 32, 13389-13395.	1.7	283
112	Less Is More: Expectation Sharpens Representations in the Primary Visual Cortex. Neuron, 2012, 75, 265-270.	3.8	654
113	Interplay Between Action and Movement Intentions During Social Interaction. Psychological Science, 2012, 23, 30-35.	1.8	54
114	Attention Reverses the Effect of Prediction in Silencing Sensory Signals. Cerebral Cortex, 2012, 22, 2197-2206.	1.6	341
115	Response to Desender & Van den Bussche: On the absence of a relationship between discriminability and priming. Consciousness and Cognition, 2012, 21, 1573-1574.	0.8	0
116	How Prediction Errors Shape Perception, Attention, and Motivation. Frontiers in Psychology, 2012, 3, 548.	1.1	341
117	The role of consciousness in cognitive control and decision making. Frontiers in Human Neuroscience, 2012, 6, 121.	1.0	112
118	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
119	Dynamic decoding of ongoing perception. NeuroImage, 2011, 57, 950-957.	2.1	10
120	Immediate and long-term priming effects are independent of prime awareness. Consciousness and Cognition, 2011, 20, 1793-1800.	0.8	36
121	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
122	Rapid parallel semantic processing of numbers without awareness. Cognition, 2011, 120, 136-147.	1.1	58
123	Attention induces conservative subjective biases in visual perception. Nature Neuroscience, 2011, 14, 1513-1515.	7.1	168
124	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
125	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
126	Prior Expectation Modulates the Interaction between Sensory and Prefrontal Regions in the Human Brain. Journal of Neuroscience, 2011, 31, 10741-10748.	1.7	113

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127	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
128	The extrastriate body area (EBA): One structure, multiple functions?. Cognitive Neuroscience, 2011, 2, 211-212.	0.6	1
129	How Awareness Changes the Relative Weights of Evidence During Human Decision-Making. PLoS Biology, 2011, 9, e1001203.	2.6	51
130	Altered connectivity between prefrontal and sensorimotor cortex in conversion paralysis. Neuropsychologia, 2010, 48, 1782-1788.	0.7	70
131	Accumulation of Evidence during Sequential Decision Making: The Importance of Topâ€“Down Factors. Journal of Neuroscience, 2010, 30, 731-738.	1.7	70
132	Neural Decoding with Hierarchical Generative Models. Neural Computation, 2010, 22, 3127-3142.	1.3	57
133	Efficient Bayesian multivariate fMRI analysis using a sparsifying spatio-temporal prior. NeuroImage, 2010, 50, 150-161.	2.1	65
134	Spatial and Effector Processing in the Human Parietofrontal Network for Reaches and Saccades. Journal of Neurophysiology, 2009, 101, 3053-3062.	0.9	106
135	When Errors Are Rewarding. Journal of Neuroscience, 2009, 29, 12183-12186.	1.7	118
136	Letter to the Editor: The experience of fatigue in the brain. Psychological Medicine, 2009, 39, 523-524.	2.7	3
137	Increased Dependence of Action Selection on Recent Motor History in Parkinson's Disease. Journal of Neuroscience, 2009, 29, 6105-6113.	1.7	64
138	Complementary Systems for Understanding Action Intentions. Current Biology, 2008, 18, 454-457.	1.8	358
139	Language beyond action. Journal of Physiology (Paris), 2008, 102, 71-79.	2.1	88
140	Motor imagery: A window into the mechanisms and alterations of the motor system. Cortex, 2008, 44, 494-506.	1.1	166
141	Cerebral correlates of motor imagery of normal and precision gait. NeuroImage, 2008, 41, 998-1010.	2.1	168
142	Increase in prefrontal cortical volume following cognitive behavioural therapy in patients with chronic fatigue syndrome. Brain, 2008, 131, 2172-2180.	3.7	205
143	Interactions between posterior gamma and frontal alpha/beta oscillations during imagined actions. Frontiers in Human Neuroscience, 2008, 2, 7.	1.0	124
144	Integration of Target and Effector Information in the Human Brain During Reach Planning. Journal of Neurophysiology, 2007, 97, 188-199.	0.9	192

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145	Inability to directly detect magnetic field changes associated with neuronal activity. Magnetic Resonance in Medicine, 2007, 57, 411-416.	1.9	62
146	Increased self-monitoring during imagined movements in conversion paralysis. Neuropsychologia, 2007, 45, 2051-2058.	0.7	115
147	Cerebral compensation during motor imagery in Parkinson's disease. Neuropsychologia, 2007, 45, 2201-2215.	0.7	160
148	Motor imagery of gait: a quantitative approach. Experimental Brain Research, 2007, 179, 497-504.	0.7	126
149	Posture influences motor imagery: An fMRI study. NeuroImage, 2006, 33, 609-617.	2.1	245
150	Weight Lifting in the Human Brain. Journal of Neuroscience, 2006, 26, 10327-10328.	1.7	1
151	Cerebral Changes during Performance of Overlearned Arbitrary Visuomotor Associations. Journal of Neuroscience, 2006, 26, 117-125.	1.7	102
152	Neural Topography and Content of Movement Representations. Journal of Cognitive Neuroscience, 2005, 17, 97-112.	1.1	175
153	Gray matter volume reduction in the chronic fatigue syndrome. NeuroImage, 2005, 26, 777-781.	2.1	146
154	Neural correlates of the chronic fatigue syndrome–an fMRI study. Brain, 2004, 127, 1948-1957.	3.7	126
155	Does egocentric mental rotation elicit sex differences?. NeuroImage, 2004, 23, 1440-1449.	2.1	98
156	Motor Imagery in Mental Rotation: An fMRI Study. NeuroImage, 2002, 17, 1623-1633.	2.1	258
157	Laminar Organization of Working Memory Signals in Human Visual Cortex. SSRN Electronic Journal, 0, , .	0.4	1