Peter Kok

List of Publications by Year in descending order

43 papers	4,725 citations	279798 23 h-index	302126 39 g-index
74 all docs	74 docs citations	74 times ranked	3519 citing authors

#	Article	IF	Citations
1	Less Is More: Expectation Sharpens Representations in the Primary Visual Cortex. Neuron, 2012, 75, 265-270.	8.1	654
2	How Do Expectations Shape Perception?. Trends in Cognitive Sciences, 2018, 22, 764-779.	7.8	577
3	Shared Representations for Working Memory and Mental Imagery in Early Visual Cortex. Current Biology, 2013, 23, 1427-1431.	3.9	403
4	Attention Reverses the Effect of Prediction in Silencing Sensory Signals. Cerebral Cortex, 2012, 22, 2197-2206.	2.9	341
5	How Prediction Errors Shape Perception, Attention, and Motivation. Frontiers in Psychology, 2012, 3, 548.	2.1	341
6	Selective Activation of the Deep Layers of the Human Primary Visual Cortex by Top-Down Feedback. Current Biology, 2016, 26, 371-376.	3.9	310
7	Prior expectations induce prestimulus sensory templates. Proceedings of the National Academy of Sciences of the United States of America, 2017, 114, 10473-10478.	7.1	240
8	Prior Expectations Bias Sensory Representations in Visual Cortex. Journal of Neuroscience, 2013, 33, 16275-16284.	3.6	232
9	Prior Expectations Evoke Stimulus Templates in the Primary Visual Cortex. Journal of Cognitive Neuroscience, 2014, 26, 1546-1554.	2.3	199
10	Shape Perception Simultaneously Up- and Downregulates Neural Activity in the Primary Visual Cortex. Current Biology, 2014, 24, 1531-1535.	3.9	148
11	Serial Dependence in Perceptual Decisions Is Reflected in Activity Patterns in Primary Visual Cortex. Journal of Neuroscience, 2016, 36, 6186-6192.	3.6	147
12	The Perceptual Prediction Paradox. Trends in Cognitive Sciences, 2020, 24, 13-24.	7.8	141
13	Time-compressed preplay of anticipated events in human primary visual cortex. Nature Communications, 2017, 8, 15276.	12.8	120
14	Associative Prediction of Visual Shape in the Hippocampus. Journal of Neuroscience, 2018, 38, 6888-6899.	3.6	90
15	Dissociating sensory from decision processes in human perceptual decision making. Scientific Reports, 2016, 5, 18253.	3.3	76
16	Laminar Organization of Working Memory Signals in Human Visual Cortex. Current Biology, 2018, 28, 3435-3440.e4.	3.9	71
17	Continuous theta burst transcranial magnetic stimulation reduces resting state connectivity between visual areas. Journal of Neurophysiology, 2013, 110, 1811-1821.	1.8	58
18	Eye Movement-Related Confounds in Neural Decoding of Visual Working Memory Representations. ENeuro, 2018, 5, ENEURO.0401-17.2018.	1.9	54

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19	Prior Expectations of Motion Direction Modulate Early Sensory Processing. Journal of Neuroscience, 2020, 40, 6389-6397.	3.6	48
20	Predictive Coding in Sensory Cortex. , 2015, , 221-244.		47
21	Prior expectations evoke stimulus-specific activity in the deep layers of the primary visual cortex. PLoS Biology, 2020, 18, e3001023.	5.6	43
22	Perceptual reality monitoring: Neural mechanisms dissociating imagination from reality. Neuroscience and Biobehavioral Reviews, 2022, 135, 104557.	6.1	37
23	Expectation Suppression in Early Visual Cortex Depends on Task Set. PLoS ONE, 2015, 10, e0131172.	2.5	34
24	Spontaneous Activity Patterns in Primary Visual Cortex Predispose to Visual Hallucinations. Journal of Neuroscience, 2015, 35, 12947-12953.	3.6	33
25	Stimulus Familiarity and Expectation Jointly Modulate Neural Activity in the Visual Ventral Stream. Journal of Cognitive Neuroscience, 2018, 30, 1366-1377.	2.3	33
26	Mistaking imagination for reality: Congruent mental imagery leads to more liberal perceptual detection. Cognition, 2021, 212, 104719.	2.2	28
27	The Behavioral and Neural Effects of Language on Motion Perception. Journal of Cognitive Neuroscience, 2015, 27, 175-184.	2.3	26
28	Content-based Dissociation of Hippocampal Involvement in Prediction. Journal of Cognitive Neuroscience, 2020, 32, 527-545.	2.3	24
29	Articulated Planar Reformation for Change Visualization in Small Animal Imaging. IEEE Transactions on Visualization and Computer Graphics, 2010, 16, 1396-1404.	4.4	22
30	Local expectation violations result in global activity gain in primary visual cortex. Scientific Reports, 2016, 6, 37706.	3.3	19
31	Learning to Perceive and Perceiving to Learn. Trends in Cognitive Sciences, 2020, 24, 260-261.	7.8	19
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.	2.4	12
33	Hippocampal representations switch from errors to predictions during acquisition of predictive associations. Nature Communications, 2022, 13, .	12.8	11
34	Dynamic decoding of ongoing perception. NeuroImage, 2011, 57, 950-957.	4.2	10
35	Spatiotemporal dynamics of brightness coding in human visual cortex revealed by the temporal context effect. NeuroImage, 2020, 205, 116277.	4.2	8
36	Imagery adds stimulus-specific sensory evidence to perceptual detection. Journal of Vision, 2022, 22, 11.	0.3	7

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37	Bradykinin: A Microglia Attractant In Vivo?. Journal of Neuroscience, 2008, 28, 3531-3532.	3.6	3
38	Perceptual Inference: A Matter of Predictions and Errors. Current Biology, 2016, 26, R809-R811.	3.9	3
39	Laminar Organization of Working Memory Signals in Human Visual Cortex. SSRN Electronic Journal, 0, , .	0.4	1
40	Neurocomputational Mechanisms of Action-Outcome Prediction in V1. Journal of Vision, 2020, 20, 712.	0.3	1
41	Prediction facilitates complex shape processing in visual cortex. Journal of Vision, 2017, 17, 208.	0.3	0
42	ÂÐistinct neural sources of expectations about features and objects. Journal of Vision, 2018, 18, 315.	0.3	0
43	Prior expectations evoke stimulus templates in the deep layers of V1. Journal of Vision, 2020, 20, 184.	0.3	0