Peggy Series

List of Publications by Year
in descending order

62 papers	**2,181** citations	279798 **23** h-index
243625 **44** g-index		
72 all docs	**72** docs citations	**72** times ranked
2758 citing authors		

#	Article	IF	Citations
1	Similarity-Based Extraction of Individual Networks from Gray Matter MRI Scans. Cerebral Cortex, 2012, 22, 1530-1541.	2.9	258
2	Tuning curve sharpening for orientation selectivity: coding efficiency and the impact of correlations. Nature Neuroscience, 2004, 7, 1129-1135.	14.8	209
3	The â€œsilentâ€•surround of V1 receptive fields: theory and experiments. Journal of Physiology (Paris), 2003, 97, 453-474.	2.1	176
4	Modeling Trait Anxiety: From Computational Processes to Personality. Frontiers in Psychiatry, 2017, 8, 1.	2.6	133
5	Is the Homunculus â€œAwareâ€•of Sensory Adaptation?. Neural Computation, 2009, 21, 3271-3304.	2.2	131
6	Learning what to expect (in visual perception). Frontiers in Human Neuroscience, 2013, 7, 668.	2.0	128
7	Rapidly learned stimulus expectations alter perception of motion. Journal of Vision, 2010, 10, 2-2.	0.3	97
8	Bayes in the Brainâ€”On Bayesian Modelling in Neuroscience. British Journal for the Philosophy of Science, 2012, 63, 697-723.	2.3	96
9	Autistic traits, but not schizotypy, predict increased weighting of sensory information in Bayesian visual integration. ELife, 2018, 7, .	6.0	69
10	Changing expectations about speed alters perceived motion direction. Current Biology, 2011, 21, R883-R884.	3.9	63
11	Comprehensive review: Computational modelling of schizophrenia. Neuroscience and Biobehavioral Reviews, 2017, 83, 631-646.	6.1	62
12	Orientation dependent modulation of apparent speed: a model based on the dynamics of feed-forward and horizontal connectivity in V1 cortex. Vision Research, 2002, 42, 2781-2797.	1.4	58
13	Blunted medial prefrontal cortico-limbic reward-related effective connectivity and depression. Brain, 2020, 143, 1946-1956.	7.6	54
14	Orientation dependent modulation of apparent speed: psychophysical evidence. Vision Research, 2002, 42, 2757-2772.	1.4	47
15	Fisher and Shannon Information in Finite Neural Populations. Neural Computation, 2012, 24, 1740-1780.	2.2	43
16	Charles Bonnet Syndrome: Evidence for a Generative Model in the Cortex?. PLoS Computational Biology, 2013, 9, e1003134.	3.2	43
17	Elucidating Poor Decision-Making in a Rat Gambling Task. PLoS ONE, 2013, 8, e82052.	2.5	43
18	The effect of neural adaptation on population coding accuracy. Journal of Computational Neuroscience, 2012, 32, 387-402.	1.0	38

#	Article	IF	Citations
19	Similar neural adaptation mechanisms underlying face gender and tilt aftereffects. Vision Research, 2011, 51, 2021-2030.	1.4	35
20	Optimism as a Prior Belief about the Probability of Future Reward. PLoS Computational Biology, 2014, 10, e1003605.	3.2	35
21	Perceptual learning in visual hyperacuity: A reweighting model. Vision Research, 2011, 51, 585-599.	1.4	33
22	Grey matter networks in people at increased familial risk for schizophrenia. Schizophrenia Research, 2015, 168, 1-8.	2.0	33
23	Dynamical Constraints on Using Precise Spike Timing to Compute in Recurrent Cortical Networks. Neural Computation, 2008, 20, 974-993.	2.2	27
24	Acquisition of visual priors and induced hallucinations in chronic schizophrenia. Brain, 2019, 142, 2523-2537.	7.6	27
25	Major Depression Impairs the Use of Reward Values for Decision-Making. Scientific Reports, 2018, 8, 13798.	3.3	26
26	The Influence of Feedback on Task-Switching Performance: A Drift Diffusion Modeling Account. Frontiers in Integrative Neuroscience, 2018, 12, 1.	2.1	21
27	Contrast dependency and prior expectations in human speed perception. Vision Research, 2014, 97, 16-23.	1.4	19
28	Confidence-based integrated reweighting model of task-difficulty explains location-based specificity in perceptual learning. Journal of Vision, 2015, 15, 17.	0.3	18
29	Complexity and specificity of experimentally-induced expectations in motion perception. Journal of Vision, 2013, 13, 8-8.	0.3	15
30	Post-traumatic stress disorder as a disorder of prediction. Nature Neuroscience, 2019, 22, 334-336.	14.8	15
31	Detecting and Quantifying Topography in Neural Maps. PLoS ONE, 2014, 9, e87178.	2.5	13
32	Conditioned task-set competition: Neural mechanisms of emotional interference in depression. Cognitive, Affective and Behavioral Neuroscience, 2017, 17, 269-289.	2.0	13
33	Dynamic competition between contour integration and contour segmentation probed with moving stimuli. Vision Research, 2005, 45, 103-116.	1.4	12
34	Prediction of depression symptoms in individual subjects with face and eye movement tracking. Psychological Medicine, 2022, 52, 1784-1792.	4.5	12
35	Abnormal reward valuation and event-related connectivity in unmedicated major depressive disorder. Psychological Medicine, 2021, 51, 795-803.	4.5	12
36	The influence of population size, noise strength and behavioral task on best-encoded stimulus for neurons with unimodal or monotonic tuning curves. Frontiers in Computational Neuroscience, 2015, 9, 18.	2.1	11

#	Article	IF	Citations
37	Reward-Based Learning, Model-Based and Model-Free. , 2014, , 1-10.		9
38	Expectations developed over multiple timescales facilitate visual search performance. Journal of Vision, 2015, 15, 10.	0.3	8
39	No increased circular inference in adults with high levels of autistic traits or autism. PLoS Computational Biology, 2021, 17, e1009006.	3.2	6
40	Speeding up the brain: when spatial facilitation translates into latency shortening. Frontiers in Human Neuroscience, 2012, 6, 330.	2.0	5
41	Benefits of social vs. non-social feedback on learning and generosity. Results from the Tipping Game. Frontiers in Psychology, 2014, 5, 1154.	2.1	4
42	Performance-monitoring integrated reweighting model of perceptual learning. Vision Research, 2018, 152, 17-39.	1.4	4
43	Visual statistical learning and integration of perceptual priors are intact in attention deficit hyperactivity disorder. PLoS ONE, 2020, 15, e0243100.	2.5	3
44	Attention as Reward-Driven Optimization of Sensory Processing. Neural Computation, 2013, 25, 2904-2933.	2.2	2
45	Influence of E/I balance and pruning in peri-personal space differences in schizophrenia: A computational approach. Schizophrenia Research, 2022, 248, 368-377.	2.0	2
46	Rapidly learned expectations alter perception of motion. Journal of Vision, 2010, 10, 237-237.	0.3	2
47	A Hierarchical Generative Model of Recurrent Object-Based Attention in the Visual Cortex. Lecture Notes in Computer Science, 2011, , 18-25.	1.3	2
48	Temporal sequence learning via adaptation in biologically plausible spiking neural networks. BMC Neuroscience, 2014, 15, .	1.9	1
49	Neurons That Update Representations of the Future. Trends in Cognitive Sciences, 2018, 22, 671-673.	7.8	1
50	Modeling maladaptive decision-making in a rat version of the Iowa Gambling Task. BMC Neuroscience, 2011, 12, .	1.9	0
51	The influence of behavioral context on sensory encoding. BMC Neuroscience, 2011, 12, .	1.9	0
52	Homeostasis causes hallucinations in a hierarchical generative model of the visual cortex: the Charles Bonnet Syndrome. BMC Neuroscience, 2011, 12, .	1.9	0
53	Unifying low-level mechanistic and high-level Bayesian explanations of bistable perceptions: neuronal adaptation for cortical inference. BMC Neuroscience, 2011, 12, .	1.9	0
54	Syntax processing properties of generic cortical circuits. BMC Neuroscience, 2013, 14, .	1.9	0

#	Article	IF	Citations
55	Complexity and specificity of experimentally induced expectations in motion perception. BMC Neuroscience, 2013, 14, .	1.9	0
56	The â€˜circular inferenceâ€™ model of schizophrenia gets pulled into the orbit of social cognition. Brain, 2021, 144, 1293-1295.	7.6	0
57	Investigating the specificity of experimentally induced expectations in motion perception. Journal of Vision, 2012, 12, 1137-1137.	0.3	0
58	A reward-driven reweighting model of perceptual learning. Journal of Vision, 2015, 15, 1143.	0.3	0
59	Title is missing!. , 2020, 15, e0243100.		0
60	Title is missing!. , 2020, 15, e0243100.		0
61	Title is missing!. , 2020, 15, e0243100.		0
62	Title is missing!. , 2020, 15, e0243100.		0