Stephanie E Palmer

List of Publications by Year
in descending order

25 papers	981 citations	758635 12 h-index	610482 24 g-index
33 all docs	33 docs citations	33 times ranked	1213 citing authors

#	ARTICLE	IF	CITATIONS
1	Gaussian Information Bottleneck and the Non-Perturbative Renormalization Group. New Journal of Physics, 2022, 24, .	1.2	5
2	Inferring couplings in networks across order-disorder phase transitions. Physical Review Research, 2022, 4, .	1.3	3
3	Variable but not random: temporal pattern coding in a songbird brain area necessary for song modification. Journal of Neurophysiology, 2021, 125, 540-555.	0.9	5
4	Optimal prediction with resource constraints using the information bottleneck. PLoS Computational Biology, 2021, 17, e1008743.	1.5	5
5	Maximally efficient prediction in the early fly visual system may support evasive flight maneuvers. PLoS Computational Biology, 2021, 17, e1008965.	1.5	9
6	Spatially displaced excitation contributes to the encoding of interrupted motion by a retinal direction-selective circuit. ELife, 2021, 10, .	2.8	3
7	Remembering the Past to See the Future. Annual Review of Vision Science, 2021, 7, 349-365.	2.3	11
8	Supervised learning through physical changes in a mechanical system. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 14843-14850.	3.3	35
9	Nonlinear mixed selectivity supports reliable neural computation. PLoS Computational Biology, 2020, 16, e1007544.	1.5	47
10	The Oz Mammals Genomics (OMG) initiative: developing genomic resources for mammal conservation at a continental scale. Australian Zoologist, 2020, 40, 505-509.	0.6	15
11	Learning to make external sensory stimulus predictions using internal correlations in populations of neurons. Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, 1105-1110.	3.3	21
12	State dependence of stimulus-induced variability tuning in macaque MT. PLoS Computational Biology, 2018, 14, e1006527.	1.5	7
13	Aristaless Controls Butterfly Wing Color Variation Used in Mimicry and Mate Choice. Current Biology, 2018, 28, 3469-3474.e4.	1.8	79
14	Tracing the origin and evolution of supergene mimicry in butterflies. Nature Communications, 2017, 8, 1269.	5.8	36
15	26th Annual Computational Neuroscience Meeting (CNS*2017): Part 1. BMC Neuroscience, 2017, 18, .	0.8	0
16	Perceptual interaction of local motion signals. Journal of Vision, 2016, 16, 22.	0.1	4
17	Optimal Prediction in the Retina and Natural Motion Statistics. Journal of Statistical Physics, 2016, 162, 1309-1323.	0.5	32
18	Predictive information in a sensory population. Proceedings of the National Academy of Sciences of the United States of America, 2015, 112, 6908-6913.	3.3	174

#	Article	IF	Citations
19	Decoding thalamic afferent input using microcircuit spiking activity. Journal of Neurophysiology, 2015, 113, 2921-2933.	0.9	7
20	Thermodynamics and signatures of criticality in a network of neurons. Proceedings of the National Academy of Sciences of the United States of America, 2015, 112, 11508-11513.	3.3	169
21	Transformation of Stimulus Correlations by the Retina. PLoS Computational Biology, 2013, 9, e1003344.	1.5	16
22	The Neural Basis for Combinatorial Coding in a Cortical Population Response. Journal of Neuroscience, 2008, 28, 13522-13531.	1.7	132
23	Effects of Inhibitory Gain and Conductance Fluctuations in a Simple Model for Contrast-Invariant Orientation Tuning in Cat V1. Journal of Neurophysiology, 2007, 98, 63-78.	0.9	16
24	Order induced by dipolar interactions in a geometrically frustrated antiferromagnet. Physical Review B, 2000, 62, 488-492.	1.1	134
25	Normal mode oscillation in the presence of inhomogeneous broadening. Optics Express, 1997, 1, 370.	1.7	11