Douglas A Ruff

List of Publications by Year
in descending order

25 papers	2,732 citations	516710 16 h-index	580821 25 g-index
38 all docs	38 docs citations	38 times ranked	3090 citing authors

#	Article	IF	Citations
1	Matching Categorical Object Representations in Inferior Temporal Cortex of Man and Monkey. Neuron, 2008, 60, 1126-1141.	8.1	1,215
2	Involvement of human left dorsolateral prefrontal cortex in perceptual decision making is independent of response modality. Proceedings of the National Academy of Sciences of the United States of America, 2006, 103, 10023-10028.	7.1	318
3	Attention can either increase or decrease spike count correlations in visual cortex. Nature Neuroscience, 2014, 17, 1591-1597.	14.8	187
4	Learning and attention reveal a general relationship between population activity and behavior. Science, 2018, 359, 463-465.	12.6	164
5	Circuit Models of Low-Dimensional Shared Variability in Cortical Networks. Neuron, 2019, 101, 337-348.e4.	8.1	137
6	Functional but not structural changes associated with learning: An exploration of longitudinal Voxel-Based Morphometry (VBM). NeuroImage, 2009, 48, 117-125.	4.2	90
7	Attention Increases Spike Count Correlations between Visual Cortical Areas. Journal of Neuroscience, 2016, 36, 7523-7534.	3.6	83
8	Face-Identity Change Activation Outside the Face System: â€œRelease from Adaptationâ€•May Not Always Indicate Neuronal Selectivity. Cerebral Cortex, 2010, 20, 2027-2042.	2.9	66
9	Categorical, Yet Graded - Single-Image Activation Profiles of Human Category-Selective Cortical Regions. Journal of Neuroscience, 2012, 32, 8649-8662.	3.6	59
10	Stimulus Dependence of Correlated Variability across Cortical Areas. Journal of Neuroscience, 2016, 36, 7546-7556.	3.6	58
11	Global Cognitive Factors Modulate Correlated Response Variability between V4 Neurons. Journal of Neuroscience, 2014, 34, 16408-16416.	3.6	52
12	Cognition as a Window into Neuronal Population Space. Annual Review of Neuroscience, 2018, 41, 77-97.	10.7	48
13	Simultaneous multi-area recordings suggest that attention improves performance by reshaping stimulus representations. Nature Neuroscience, 2019, 22, 1669-1676.	14.8	46
14	Joint tuning for direction of motion and binocular disparity in macaque MT is largely separable. Journal of Neurophysiology, 2013, 110, 2806-2816.	1.8	31
15	A normalization model suggests that attention changes the weighting of inputs between visual areas. Proceedings of the National Academy of Sciences of the United States of America, 2017, 114, E4085-E4094.	7.1	29
16	Relating normalization to neuronal populations across cortical areas. Journal of Neurophysiology, 2016, 116, 1375-1386.	1.8	27
17	Attention improves information flow between neuronal populations without changing the communication subspace. Current Biology, 2021, 31, 5299-5313.e4.	3.9	16
18	Complementary Roles of Systems Representing Sensory Evidence and Systems Detecting Task Difficulty During Perceptual Decision Making. Frontiers in Neuroscience, 2010, 4, 190.	2.8	15

#	Article	IF	Citations
19	Low rank mechanisms underlying flexible visual representations. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 29321-29329.	7.1	15
20	Starlings Have Difficulty in Detecting Dot Symmetry: Implications for Studying Fluctuating Asymmetry. Behaviour, 2004, 141, 29-40.	0.8	12
21	Feature attention for binocular disparity in primate area MT depends on tuning strength. Journal of Neurophysiology, 2015, 113, 1545-1555.	1.8	12
22	A test of receiver perceptual performance: European starlings' ability to detect asymmetry in a naturalistic trait. Animal Behaviour, 2008, 76, 487-495.	1.9	11
23	Methylphenidate as a causal test of translational and basic neural coding hypotheses. Proceedings of the National Academy of Sciences of the United States of America, 2022, 119, e2120529119.	7.1	7
24	Pursuing the Link between Neurons and Behavior. Neuron, 2013, 79, 6-9.	8.1	6
25	Neuronal population mechanisms of lightness perception. Journal of Neurophysiology, 2018, 120, 2296-2310.	1.8	5