

# Douglas A Ruff

## List of Publications by Year in descending order

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Version: 2024-02-01

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	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
2	Attention improves information flow between neuronal populations without changing the communication subspace. Current Biology, 2021, 31, 5299-5313.e4.	3.9	16
3	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
4	Simultaneous multi-area recordings suggest that attention improves performance by reshaping stimulus representations. Nature Neuroscience, 2019, 22, 1669-1676.	14.8	46
5	Circuit Models of Low-Dimensional Shared Variability in Cortical Networks. Neuron, 2019, 101, 337-348.e4.	8.1	137
6	Learning and attention reveal a general relationship between population activity and behavior. Science, 2018, 359, 463-465.	12.6	164
7	Cognition as a Window into Neuronal Population Space. Annual Review of Neuroscience, 2018, 41, 77-97.	10.7	48
8	Neuronal population mechanisms of lightness perception. Journal of Neurophysiology, 2018, 120, 2296-2310.	1.8	5
9	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
10	Relating normalization to neuronal populations across cortical areas. Journal of Neurophysiology, 2016, 116, 1375-1386.	1.8	27
11	Attention Increases Spike Count Correlations between Visual Cortical Areas. Journal of Neuroscience, 2016, 36, 7523-7534.	3.6	83
12	Stimulus Dependence of Correlated Variability across Cortical Areas. Journal of Neuroscience, 2016, 36, 7546-7556.	3.6	58
13	Feature attention for binocular disparity in primate area MT depends on tuning strength. Journal of Neurophysiology, 2015, 113, 1545-1555.	1.8	12
14	Global Cognitive Factors Modulate Correlated Response Variability between V4 Neurons. Journal of Neuroscience, 2014, 34, 16408-16416.	3.6	52
15	Attention can either increase or decrease spike count correlations in visual cortex. Nature Neuroscience, 2014, 17, 1591-1597.	14.8	187
16	Pursuing the Link between Neurons and Behavior. Neuron, 2013, 79, 6-9.	8.1	6
17	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
18	Categorical, Yet Graded - Single-Image Activation Profiles of Human Category-Selective Cortical Regions. Journal of Neuroscience, 2012, 32, 8649-8662.	3.6	59

#	ARTICLE	IF	CITATIONS
19	Complementary Roles of Systems Representing Sensory Evidence and Systems Detecting Task Difficulty During Perceptual Decision Making. <i>Frontiers in Neuroscience</i> , 2010, 4, 190.	2.8	15
20	Face-Identity Change Activation Outside the Face System: "Release from Adaptation" May Not Always Indicate Neuronal Selectivity. <i>Cerebral Cortex</i> , 2010, 20, 2027-2042.	2.9	66
21	Functional but not structural changes associated with learning: An exploration of longitudinal Voxel-Based Morphometry (VBM). <i>NeuroImage</i> , 2009, 48, 117-125.	4.2	90
22	A test of receiver perceptual performance: European starlings' ability to detect asymmetry in a naturalistic trait. <i>Animal Behaviour</i> , 2008, 76, 487-495.	1.9	11
23	Matching Categorical Object Representations in Inferior Temporal Cortex of Man and Monkey. <i>Neuron</i> , 2008, 60, 1126-1141.	8.1	1,215
24	Involvement of human left dorsolateral prefrontal cortex in perceptual decision making is independent of response modality. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2006, 103, 10023-10028.	7.1	318
25	Starlings Have Difficulty in Detecting Dot Symmetry: Implications for Studying Fluctuating Asymmetry. <i>Behaviour</i> , 2004, 141, 29-40.	0.8	12