Marlene Cohen

List of Publications by Year
in descending order

30 papers	4,985 citations	394421 19 h-index	477307 29 g-index
43 all docs	43 docs citations	43 times ranked	3335 citing authors

#	Article	IF	Citations
1	Priority coding in the visual system. Nature Reviews Neuroscience, 2022, 23, 376-388.	10.2	19
2	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
3	Dynamic task-belief is an integral part of decision-making. Neuron, 2022, 110, 2503-2511.e3.	8.1	7
4	Attention improves information flow between neuronal populations without changing the communication subspace. Current Biology, 2021, 31, 5299-5313.e4.	3.9	16
5	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
6	Simultaneous multi-area recordings suggest that attention improves performance by reshaping stimulus representations. Nature Neuroscience, 2019, 22, 1669-1676.	14.8	46
7	Circuit Models of Low-Dimensional Shared Variability in Cortical Networks. Neuron, 2019, 101, 337-348.e4.	8.1	137
8	Learning and attention reveal a general relationship between population activity and behavior. Science, 2018, 359, 463-465.	12.6	164
9	Cognition as a Window into Neuronal Population Space. Annual Review of Neuroscience, 2018, 41, 77-97.	10.7	48
10	Neuronal population mechanisms of lightness perception. Journal of Neurophysiology, 2018, 120, 2296-2310.	1.8	5
11	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
12	Attentional modulation of neuronal variability in circuit models of cortex. ELife, 2017, 6, .	6.0	74
13	Relating normalization to neuronal populations across cortical areas. Journal of Neurophysiology, 2016, 116, 1375-1386.	1.8	27
14	Attention Increases Spike Count Correlations between Visual Cortical Areas. Journal of Neuroscience, 2016, 36, 7523-7534.	3.6	83
15	Stimulus Dependence of Correlated Variability across Cortical Areas. Journal of Neuroscience, 2016, 36, 7546-7556.	3.6	58
16	A Refined Neuronal Population Measure of Visual Attention. PLoS ONE, 2015, 10, e0136570.	2.5	14
17	Attention stabilizes the shared gain of V4 populations. ELife, 2015, 4, e08998.	6.0	167
18	Global Cognitive Factors Modulate Correlated Response Variability between V4 Neurons. Journal of Neuroscience, 2014, 34, 16408-16416.	3.6	52

#	Article	IF	Citations
19	Attention can either increase or decrease spike count correlations in visual cortex. Nature Neuroscience, 2014, 17, 1591-1597.	14.8	187
20	When Attention Wanders. Science, 2012, 338, 58-59.	12.6	5
21	Decision-Related Activity in Sensory Neurons: Correlations Among Neurons and with Behavior. Annual Review of Neuroscience, 2012, 35, 463-483.	10.7	186
22	Using Neuronal Populations to Study the Mechanisms Underlying Spatial and Feature Attention. Neuron, 2011, 70, 1192-1204.	8.1	194
23	Measuring and interpreting neuronal correlations. Nature Neuroscience, 2011, 14, 811-819.	14.8	896
24	When Attention Wanders: How Uncontrolled Fluctuations in Attention Affect Performance. Journal of Neuroscience, 2011, 31, 15802-15806.	3.6	54
25	Stimulus onset quenches neural variability: a widespread cortical phenomenon. Nature Neuroscience, 2010, 13, 369-378.	14.8	907
26	Attention improves performance primarily by reducing interneuronal correlations. Nature Neuroscience, 2009, 12, 1594-1600.	14.8	973
27	Estimates of the Contribution of Single Neurons to Perception Depend on Timescale and Noise Correlation. Journal of Neuroscience, 2009, 29, 6635-6648.	3.6	197
28	Context-Dependent Changes in Functional Circuitry in Visual Area MT. Neuron, 2008, 60, 162-173.	8.1	230
29	What electrical microstimulation has revealed about the neural basis of cognition. Current Opinion in Neurobiology, 2004, 14, 169-177.	4.2	151
30	A general decoding strategy explains the relationship between behavior and correlated variability. ELife, 0, 11, .	6.0	5