

Marlene Cohen

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/1716998/publications.pdf>

Version: 2024-02-01

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	Attention improves performance primarily by reducing interneuronal correlations. <i>Nature Neuroscience</i> , 2009, 12, 1594-1600.	14.8	973
2	Stimulus onset quenches neural variability: a widespread cortical phenomenon. <i>Nature Neuroscience</i> , 2010, 13, 369-378.	14.8	907
3	Measuring and interpreting neuronal correlations. <i>Nature Neuroscience</i> , 2011, 14, 811-819.	14.8	896
4	Context-Dependent Changes in Functional Circuitry in Visual Area MT. <i>Neuron</i> , 2008, 60, 162-173.	8.1	230
5	Estimates of the Contribution of Single Neurons to Perception Depend on Timescale and Noise Correlation. <i>Journal of Neuroscience</i> , 2009, 29, 6635-6648.	3.6	197
6	Using Neuronal Populations to Study the Mechanisms Underlying Spatial and Feature Attention. <i>Neuron</i> , 2011, 70, 1192-1204.	8.1	194
7	Attention can either increase or decrease spike count correlations in visual cortex. <i>Nature Neuroscience</i> , 2014, 17, 1591-1597.	14.8	187
8	Decision-Related Activity in Sensory Neurons: Correlations Among Neurons and with Behavior. <i>Annual Review of Neuroscience</i> , 2012, 35, 463-483.	10.7	186
9	Attention stabilizes the shared gain of V4 populations. <i>ELife</i> , 2015, 4, e08998.	6.0	167
10	Learning and attention reveal a general relationship between population activity and behavior. <i>Science</i> , 2018, 359, 463-465.	12.6	164
11	What electrical microstimulation has revealed about the neural basis of cognition. <i>Current Opinion in Neurobiology</i> , 2004, 14, 169-177.	4.2	151
12	Circuit Models of Low-Dimensional Shared Variability in Cortical Networks. <i>Neuron</i> , 2019, 101, 337-348.e4.	8.1	137
13	Attention Increases Spike Count Correlations between Visual Cortical Areas. <i>Journal of Neuroscience</i> , 2016, 36, 7523-7534.	3.6	83
14	Attentional modulation of neuronal variability in circuit models of cortex. <i>ELife</i> , 2017, 6, .	6.0	74
15	Stimulus Dependence of Correlated Variability across Cortical Areas. <i>Journal of Neuroscience</i> , 2016, 36, 7546-7556.	3.6	58
16	When Attention Wanders: How Uncontrolled Fluctuations in Attention Affect Performance. <i>Journal of Neuroscience</i> , 2011, 31, 15802-15806.	3.6	54
17	Global Cognitive Factors Modulate Correlated Response Variability between V4 Neurons. <i>Journal of Neuroscience</i> , 2014, 34, 16408-16416.	3.6	52
18	Cognition as a Window into Neuronal Population Space. <i>Annual Review of Neuroscience</i> , 2018, 41, 77-97.	10.7	48

#	ARTICLE	IF	CITATIONS
19	Simultaneous multi-area recordings suggest that attention improves performance by reshaping stimulus representations. <i>Nature Neuroscience</i> , 2019, 22, 1669-1676.	14.8	46
20	A normalization model suggests that attention changes the weighting of inputs between visual areas. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017, 114, E4085-E4094.	7.1	29
21	Relating normalization to neuronal populations across cortical areas. <i>Journal of Neurophysiology</i> , 2016, 116, 1375-1386.	1.8	27
22	Priority coding in the visual system. <i>Nature Reviews Neuroscience</i> , 2022, 23, 376-388.	10.2	19
23	Attention improves information flow between neuronal populations without changing the communication subspace. <i>Current Biology</i> , 2021, 31, 5299-5313.e4.	3.9	16
24	Low rank mechanisms underlying flexible visual representations. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020, 117, 29321-29329.	7.1	15
25	A Refined Neuronal Population Measure of Visual Attention. <i>PLoS ONE</i> , 2015, 10, e0136570.	2.5	14
26	Methylphenidate as a causal test of translational and basic neural coding hypotheses. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2022, 119, e2120529119.	7.1	7
27	Dynamic task-belief is an integral part of decision-making. <i>Neuron</i> , 2022, 110, 2503-2511.e3.	8.1	7
28	When Attention Wanders. <i>Science</i> , 2012, 338, 58-59.	12.6	5
29	Neuronal population mechanisms of lightness perception. <i>Journal of Neurophysiology</i> , 2018, 120, 2296-2310.	1.8	5
30	A general decoding strategy explains the relationship between behavior and correlated variability. <i>ELife</i> , 0, 11, .	6.0	5