Adam J Sachs

List of Publications by Year
in descending order

24	545	759233 12	752698 20
papers	citations	h-index	g-index

26	26	26	592
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Attentional Filtering of Visual Information by Neuronal Ensembles in the Primate Lateral Prefrontal Cortex. Neuron, 2015, 85, 202-215.	8.1	108
2	Correlated variability modifies working memory fidelity in primate prefrontal neuronal ensembles. Proceedings of the National Academy of Sciences of the United States of America, 2017, 114, E2494-E2503.	7.1	84
3	Single-Trial Decoding of Visual Attention from Local Field Potentials in the Primate Lateral Prefrontal Cortex Is Frequency-Dependent. Journal of Neuroscience, 2015, 35, 9038-9049.	3.6	44
4	Lack of Efficacy of Motor Cortex Stimulation for the Treatment of Neuropathic Pain in 14 Patients. Neuromodulation, 2014, 17, 303-311.	0.8	43
5	Enabling Low-Power, Multi-Modal Neural Interfaces Through a Common, Low-Bandwidth Feature Space. IEEE Transactions on Neural Systems and Rehabilitation Engineering, 2016, 24, 521-531.	4.9	37
6	Psychophysical receptive fields of edge detection mechanisms. Vision Research, 2004, 44, 795-813.	1.4	35
7	A Quadrantic Bias in Prefrontal Representation of Visual-Mnemonic Space. Cerebral Cortex, 2018, 28, 2405-2421.	2.9	30
8	Visual and presaccadic activity in area 8Ar of the macaque monkey lateral prefrontal cortex. Journal of Neurophysiology, 2017, 118, 15-28.	1.8	28
9	Structure of Spike Count Correlations Reveals Functional Interactions between Neurons in Dorsolateral Prefrontal Cortex Area 8a of Behaving Primates. PLoS ONE, 2013, 8, e61503.	2.5	25
10	Ketamine disrupts naturalistic coding of working memory in primate lateral prefrontal cortex networks. Molecular Psychiatry, 2021, 26, 6688-6703.	7.9	23
11	Single-trial decoding of intended eye movement goals from lateral prefrontal cortex neural ensembles. Journal of Neurophysiology, 2016, 115, 486-499.	1.8	18
12	Use of 3D Navigation in Subaxial Cervical Spine Lateral Mass Screw Insertion. Journal of Neurological Surgery Reports, 2018, 79, e1-e8.	0.6	15
13	The Effects of Methylphenidate (Ritalin) on the Neurophysiology of the Monkey Caudal Prefrontal Cortex. ENeuro, 2019, 6, ENEURO.0371-18.2018.	1.9	12
14	Distinct neural codes in primate hippocampus and lateral prefrontal cortex during associative learning in virtual environments. Neuron, 2022, 110, 2155-2169.e4.	8.1	10
15	A Normalization Circuit Underlying Coding of Spatial Attention in Primate Lateral Prefrontal Cortex. ENeuro, 2019, 6, ENEURO.0301-18.2019.	1.9	8
16	Scale-Free Analysis of Intraoperative ECoG During Awake Craniotomy for Glioma. Frontiers in Oncology, 2020, 10, 625474.	2.8	6
17	Deep brain stimulation for Parkinsonâ€™s Disease: A Review and Future Outlook. Biomedical Engineering Letters, 2022, 12, 303-316.	4.1	6
18	Realtime phase-amplitude coupling analysis of micro electrode recorded brain signals. PLoS ONE, 2018, 13, e0204260.	2.5	5

#	Article	IF	Citations
19	Decoding Saccade Intention From Primate Prefrontal Cortical Local Field Potentials Using Spectral, Spatial, and Temporal Dimensionality Reduction. International Journal of Neural Systems, 2021, 31, 2150023.	5.2	3
20	Small neuronal ensembles of primate lateral prefrontal cortex encode spatial working memory in two reference frames. Journal of Vision, 2021, 21, 2858.	0.3	1
21	Receptive field complexity in primate prefrontal cortex area 8A varies as a function of neuronal type. Journal of Vision, 2015, 15, 1048.	0.3	1
22	A metric-based analysis of the contribution of spike timing to contrast and motion direction coding by single neurons in macaque area MT. Brain Research, 2011, 1368, 163-184.	2.2	0
23	Brain-Computer Interfaces for Communication and Rehabilitation Using Intracortical Neuronal Activity from the Prefrontal Cortex and Basal Ganglia in Humans. Springer Briefs in Electrical and Computer Engineering, 2015, , 19-27.	0.5	0
24	Correlation between the effects of attention and response normalization in prefrontal area 8A neurons is cell type dependent.. Journal of Vision, 2015, 15, 1061.	0.3	0