

Nathaniel B Sawtell

List of Publications by Year in descending order

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Version: 2024-02-01

20
papers

927
citations

759233

12
h-index

839539

18
g-index

27
all docs

27
docs citations

27
times ranked

738
citing authors

#	ARTICLE	IF	CITATIONS
1	Neural readout of a latency code in the active electrosensory system. <i>Cell Reports</i> , 2022, 38, 110605.	6.4	5
2	Neurobiology: The power of pauses in electrocommunication. <i>Current Biology</i> , 2021, 31, R900-R901.	3.9	0
3	A rapid whisker-based decision underlying skilled locomotion in mice. <i>ELife</i> , 2021, 10, .	6.0	21
4	Continual Learning in a Multi-Layer Network of an Electric Fish. <i>Cell</i> , 2019, 179, 1382-1392.e10.	28.9	20
5	Generalization of learned responses in the mormyrid electrosensory lobe. <i>ELife</i> , 2019, 8, .	6.0	9
6	Internally Generated Predictions Enhance Neural and Behavioral Detection of Sensory Stimuli in an Electric Fish. <i>Neuron</i> , 2018, 99, 135-146.e3.	8.1	33
7	A cerebellum-like circuit in the auditory system cancels responses to self-generated sounds. <i>Nature Neuroscience</i> , 2017, 20, 943-950.	14.8	95
8	Neural Mechanisms for Predicting the Sensory Consequences of Behavior: Insights from Electrosensory Systems. <i>Annual Review of Physiology</i> , 2017, 79, 381-399.	13.1	39
9	Responses of cerebellar Purkinje cells during fictive optomotor behavior in larval zebrafish. <i>Journal of Neurophysiology</i> , 2016, 116, 2067-2080.	1.8	23
10	The Timing Is Right for Cerebellar Learning. <i>Neuron</i> , 2016, 92, 931-933.	8.1	5
11	A comparative approach to cerebellar function: insights from electrosensory systems. <i>Current Opinion in Neurobiology</i> , 2016, 41, 31-37.	4.2	12
12	Strength in more than numbers. <i>Nature Neuroscience</i> , 2015, 18, 614-616.	14.8	0
13	A Role for Mixed Corollary Discharge and Proprioceptive Signals in Predicting the Sensory Consequences of Movements. <i>Journal of Neuroscience</i> , 2014, 34, 16103-16116.	3.6	17
14	Sensory processing and corollary discharge effects in posterior caudal lobe Purkinje cells in a weakly electric mormyrid fish. <i>Journal of Neurophysiology</i> , 2014, 112, 328-339.	1.8	6
15	A temporal basis for predicting the sensory consequences of motor commands in an electric fish. <i>Nature Neuroscience</i> , 2014, 17, 416-422.	14.8	155
16	Plastic Corollary Discharge Predicts Sensory Consequences of Movements in a Cerebellum-Like Circuit. <i>Neuron</i> , 2014, 82, 896-907.	8.1	48
17	Multimodal Integration in Granule Cells as a Basis for Associative Plasticity and Sensory Prediction in a Cerebellum-like Circuit. <i>Neuron</i> , 2010, 66, 573-584.	8.1	89
18	Cerebellum-Like Structures and Their Implications for Cerebellar Function. <i>Annual Review of Neuroscience</i> , 2008, 31, 1-24.	10.7	270

#	ARTICLE	IF	CITATIONS
19	Transformations of Electrosensory Encoding Associated with an Adaptive Filter. Journal of Neuroscience, 2008, 28, 1598-1612.	3.6	58
20	Effects of Sensing Behavior on a Latency Code. Journal of Neuroscience, 2006, 26, 8221-8234.	3.6	22