

# Nathaniel B Sawtell

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/3285983/publications.pdf>

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  | Cerebellum-Like Structures and Their Implications for Cerebellar Function. Annual Review of Neuroscience, 2008, 31, 1-24.  | 10.7 | 270       |
| 2  | A temporal basis for predicting the sensory consequences of motor commands in an electric fish. Nature Neuroscience, 2014, 17, 416-422.  | 14.8 | 155       |
| 3  | A cerebellum-like circuit in the auditory system cancels responses to self-generated sounds. Nature Neuroscience, 2017, 20, 943-950.   | 14.8 | 95        |
| 4  | Multimodal Integration in Granule Cells as a Basis for Associative Plasticity and Sensory Prediction in a Cerebellum-like Circuit. Neuron, 2010, 66, 573-584.                  | 8.1  | 89        |
| 5  | Transformations of Electrosensory Encoding Associated with an Adaptive Filter. Journal of Neuroscience, 2008, 28, 1598-1612.   | 3.6  | 58        |
| 6  | Plastic Corollary Discharge Predicts Sensory Consequences of Movements in a Cerebellum-Like Circuit. Neuron, 2014, 82, 896-907.  | 8.1  | 48        |
| 7  | Neural Mechanisms for Predicting the Sensory Consequences of Behavior: Insights from Electrosensory Systems. Annual Review of Physiology, 2017, 79, 381-399.                   | 13.1 | 39        |
| 8  | Internally Generated Predictions Enhance Neural and Behavioral Detection of Sensory Stimuli in an Electric Fish. Neuron, 2018, 99, 135-146.e3.                                 | 8.1  | 33        |
| 9  | Responses of cerebellar Purkinje cells during fictive optomotor behavior in larval zebrafish. Journal of Neurophysiology, 2016, 116, 2067-2080.                                | 1.8  | 23        |
| 10 | Effects of Sensing Behavior on a Latency Code. Journal of Neuroscience, 2006, 26, 8221-8234.   | 3.6  | 22        |
| 11 | A rapid whisker-based decision underlying skilled locomotion in mice. ELife, 2021, 10, .   | 6.0  | 21        |
| 12 | Continual Learning in a Multi-Layer Network of an Electric Fish. Cell, 2019, 179, 1382-1392.e10.   | 28.9 | 20        |
| 13 | A Role for Mixed Corollary Discharge and Proprioceptive Signals in Predicting the Sensory Consequences of Movements. Journal of Neuroscience, 2014, 34, 16103-16116.           | 3.6  | 17        |
| 14 | A comparative approach to cerebellar function: insights from electrosensory systems. Current Opinion in Neurobiology, 2016, 41, 31-37.   | 4.2  | 12        |
| 15 | Generalization of learned responses in the mormyrid electrosensory lobe. ELife, 2019, 8, .   | 6.0  | 9         |
| 16 | Sensory processing and corollary discharge effects in posterior caudal lobe Purkinje cells in a weakly electric mormyrid fish. Journal of Neurophysiology, 2014, 112, 328-339. | 1.8  | 6         |
| 17 | The Timing Is Right for Cerebellar Learning. Neuron, 2016, 92, 931-933.  | 8.1  | 5         |
| 18 | Neural readout of a latency code in the active electrosensory system. Cell Reports, 2022, 38, 110605.  | 6.4  | 5         |

| #  | ARTICLE  | IF   | CITATIONS |
|----|--|------|-----------|
| 19 | Strength in more than numbers. <i>Nature Neuroscience</i> , 2015, 18, 614-616.                           | 14.8 | 0         |
| 20 | Neurobiology: The power of pauses in electrocommunication. <i>Current Biology</i> , 2021, 31, R900-R901. | 3.9  | 0         |