

# Maria N Geffen

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/8627846/publications.pdf>

Version: 2024-02-01

22  
papers

813  
citations

623734

14  
h-index

713466

21  
g-index

33  
all docs

33  
docs citations

33  
times ranked

615  
citing authors

#	ARTICLE	IF	CITATIONS
1	Complementary control of sensory adaptation by two types of cortical interneurons. <i>ELife</i> , 2015, 4, .	6.0	165
2	Cortical Interneurons Differentially Shape Frequency Tuning following Adaptation. <i>Cell Reports</i> , 2017, 21, 878-890.	6.4	89
3	Bidirectional Regulation of Innate and Learned Behaviors That Rely on Frequency Discrimination by Cortical Inhibitory Neurons. <i>PLoS Biology</i> , 2015, 13, e1002308.	5.6	73
4	Encoding of ultrasonic vocalizations in the auditory cortex. <i>Journal of Neurophysiology</i> , 2013, 109, 1912-1927.	1.8	55
5	Emergence of invariant representation of vocalizations in the auditory cortex. <i>Journal of Neurophysiology</i> , 2015, 114, 2726-2740.	1.8	54
6	Auditory cortex shapes sound responses in the inferior colliculus. <i>ELife</i> , 2020, 9, .	6.0	45
7	Projection from the Amygdala to the Thalamic Reticular Nucleus Amplifies Cortical Sound Responses. <i>Cell Reports</i> , 2019, 28, 605-615.e4.	6.4	39
8	Efficient Neural Coding in Auditory and Speech Perception. <i>Trends in Neurosciences</i> , 2019, 42, 56-65.	8.6	35
9	Auditory Perception of Self-Similarity in Water Sounds. <i>Frontiers in Integrative Neuroscience</i> , 2011, 5, 15.	2.1	33
10	Progress and challenges for understanding the function of cortical microcircuits in auditory processing. <i>Nature Communications</i> , 2017, 8, 2165.	12.8	32
11	Differential Short-Term Plasticity of PV and SST Neurons Accounts for Adaptation and Facilitation of Cortical Neurons to Auditory Tones. <i>Journal of Neuroscience</i> , 2020, 40, 9224-9235.	3.6	28
12	A circuit model of auditory cortex. <i>PLoS Computational Biology</i> , 2020, 16, e1008016.	3.2	23
13	Corticofugal regulation of predictive coding. <i>ELife</i> , 2022, 11, .	6.0	20
14	Gain Control in the Auditory Cortex Evoked by Changing Temporal Correlation of Sounds. <i>Cerebral Cortex</i> , 2016, 27, bhw083.	2.9	19
15	Cortical Neural Activity Predicts Sensory Acuity Under Optogenetic Manipulation. <i>Journal of Neuroscience</i> , 2018, 38, 2094-2105.	3.6	18
16	Stable encoding of sounds over a broad range of statistical parameters in the auditory cortex. <i>European Journal of Neuroscience</i> , 2016, 43, 751-764.	2.6	17
17	Category-Specific Processing of Scale-Invariant Sounds in Infancy. <i>PLoS ONE</i> , 2014, 9, e96278.	2.5	16
18	Diverse functions of the auditory cortico-collicular pathway. <i>Hearing Research</i> , 2022, 425, 108488.	2.0	14

#	ARTICLE	IF	CITATIONS
19	The neural correlates of processing scale-invariant environmental sounds at birth. <i>NeuroImage</i> , 2016, 133, 144-150.	4.2	12
20	Selective Impairment in Frequency Discrimination in a Mouse Model of Tinnitus. <i>PLoS ONE</i> , 2015, 10, e0137749.	2.5	8
21	Neuronal activity in sensory cortex predicts the specificity of learning in mice. <i>Nature Communications</i> , 2022, 13, 1167.	12.8	6
22	Birds of a different feather sing together. <i>Nature Neuroscience</i> , 2019, 22, 1381-1382.	14.8	0