

# Maria N Geffen

## List of Publications by Year in descending order

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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	Corticofugal regulation of predictive coding. <i>ELife</i> , 2022, 11, .	6.0	20
2	Diverse functions of the auditory cortico-collicular pathway. <i>Hearing Research</i> , 2022, 425, 108488.	2.0	14
3	Neuronal activity in sensory cortex predicts the specificity of learning in mice. <i>Nature Communications</i> , 2022, 13, 1167.	12.8	6
4	A circuit model of auditory cortex. <i>PLoS Computational Biology</i> , 2020, 16, e1008016.	3.2	23
5	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
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	Birds of a different feather sing together. <i>Nature Neuroscience</i> , 2019, 22, 1381-1382.	14.8	0
9	Efficient Neural Coding in Auditory and Speech Perception. <i>Trends in Neurosciences</i> , 2019, 42, 56-65.	8.6	35
10	Cortical Neural Activity Predicts Sensory Acuity Under Optogenetic Manipulation. <i>Journal of Neuroscience</i> , 2018, 38, 2094-2105.	3.6	18
11	Cortical Interneurons Differentially Shape Frequency Tuning following Adaptation. <i>Cell Reports</i> , 2017, 21, 878-890.	6.4	89
12	Progress and challenges for understanding the function of cortical microcircuits in auditory processing. <i>Nature Communications</i> , 2017, 8, 2165.	12.8	32
13	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
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	The neural correlates of processing scale-invariant environmental sounds at birth. <i>NeuroImage</i> , 2016, 133, 144-150.	4.2	12
16	Complementary control of sensory adaptation by two types of cortical interneurons. <i>ELife</i> , 2015, 4, .	6.0	165
17	Emergence of invariant representation of vocalizations in the auditory cortex. <i>Journal of Neurophysiology</i> , 2015, 114, 2726-2740.	1.8	54
18	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

#	ARTICLE	IF	CITATIONS
19	Selective Impairment in Frequency Discrimination in a Mouse Model of Tinnitus. PLoS ONE, 2015, 10, e0137749.	2.5	8
20	Category-Specific Processing of Scale-Invariant Sounds in Infancy. PLoS ONE, 2014, 9, e96278.	2.5	16
21	Encoding of ultrasonic vocalizations in the auditory cortex. Journal of Neurophysiology, 2013, 109, 1912-1927.	1.8	55
22	Auditory Perception of Self-Similarity in Water Sounds. Frontiers in Integrative Neuroscience, 2011, 5, 15.	2.1	33