

# Katrina M Macleod

## List of Publications by Year in descending order

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Version: 2024-02-01

27  
papers

1,390  
citations

687363

13  
h-index

610901

24  
g-index

30  
all docs

30  
docs citations

30  
times ranked

1279  
citing authors

#	ARTICLE	IF	CITATIONS
1	Kv1 channels regulate variations in spike patterning and temporal reliability in the avian cochlear nucleus angularis. <i>Journal of Neurophysiology</i> , 2022, 127, 116-129.	1.8	2
2	Spike threshold adaptation diversifies neuronal operating modes in the auditory brain stem. <i>Journal of Neurophysiology</i> , 2019, 122, 2576-2590.	1.8	7
3	Physiological Properties of Neurons in Bat Entorhinal Cortex Exhibit an Inverse Gradient along the Dorsal-Ventral Axis Compared to Entorhinal Neurons in Rat. <i>Journal of Neuroscience</i> , 2016, 36, 4591-4599.	3.6	2
4	Target-specific regulation of presynaptic release properties at auditory nerve terminals in the avian cochlear nucleus. <i>Journal of Neurophysiology</i> , 2016, 115, 1679-1690.	1.8	5
5	Heterogeneity of intrinsic biophysical properties among cochlear nucleus neurons improves the population coding of temporal information. <i>Journal of Neurophysiology</i> , 2014, 111, 2320-2331.	1.8	13
6	Emergence of band-pass filtering through adaptive spiking in the owl's cochlear nucleus. <i>Journal of Neurophysiology</i> , 2014, 112, 430-445.	1.8	16
7	Heterogeneous Calretinin Expression in the Avian Cochlear Nucleus Angularis. <i>JARO - Journal of the Association for Research in Otolaryngology</i> , 2014, 15, 603-620.	1.8	8
8	Bat and Rat Neurons Differ in Theta-Frequency Resonance Despite Similar Coding of Space. <i>Science</i> , 2013, 340, 363-367.	12.6	78
9	Intrinsic firing properties in the avian auditory brain stem allow both integration and encoding of temporally modulated noisy inputs in vitro. <i>Journal of Neurophysiology</i> , 2012, 108, 2794-2809.	1.8	12
10	Synaptic Mechanisms of Coincidence Detection. <i>Springer Handbook of Auditory Research</i> , 2012, , 135-164.	0.7	7
11	Short-term synaptic plasticity and intensity coding. <i>Hearing Research</i> , 2011, 279, 13-21.	2.0	28
12	A rapid form of activity-dependent recovery from short-term synaptic depression in the intensity pathway of the auditory brainstem. <i>Biological Cybernetics</i> , 2011, 104, 209-223.	1.3	9
13	Microseconds Matter. <i>PLoS Biology</i> , 2010, 8, e1000405.	5.6	23
14	Short-Term Synaptic Plasticity and Adaptation Contribute to the Coding of Timing and Intensity Information. , 2010, , 347-356.		3
15	Beyond timing in the auditory brainstem: intensity coding in the avian cochlear nucleus angularis. <i>Progress in Brain Research</i> , 2007, 165, 123-133.	1.4	33
16	A Role for Short-Term Synaptic Facilitation and Depression in the Processing of Intensity Information in the Auditory Brain Stem. <i>Journal of Neurophysiology</i> , 2007, 97, 2863-2874.	1.8	59
17	Interaural timing difference circuits in the auditory brainstem of the emu ( <i>Dromaius</i> ) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 102	1.6	41
18	Synaptic Physiology in the Cochlear Nucleus Angularis of the Chick. <i>Journal of Neurophysiology</i> , 2005, 93, 2520-2529.	1.8	22

#	ARTICLE	IF	CITATIONS
19	Synaptic dynamics and intensity coding in the cochlear nucleus. , 2005, , 500-508.		0
20	Activity Coregulates Quantal AMPA and NMDA Currents at Neocortical Synapses. Neuron, 2000, 26, 659-670.	8.1	300
21	Dynamic representation of odours by oscillating neural assemblies. Entomologia Experimentalis Et Applicata, 1999, 91, 7-18.	1.4	3
22	Dynamic representation of odours by oscillating neural assemblies. , 1999, , 7-18.		0
23	Who reads temporal information contained across synchronized and oscillatory spike trains?. Nature, 1998, 395, 693-698.	27.8	266
24	Spatiotemporal Structure of Olfactory Inputs to the Mushroom Bodies. Learning and Memory, 1998, 5, 124-132.	1.3	34
25	Distinct Mechanisms for Synchronization and Temporal Patterning of Odor-Encoding Neural Assemblies. Science, 1996, 274, 976-979.	12.6	391
26	Dynamic Encoding of Odors With Oscillating Neuronal Assemblies in the Locust Brain. Biological Bulletin, 1996, 191, 70-75.	1.8	20
27	Heat-Stable Toxin from <i>Escherichia coli</i> Activates Chloride Current via cGMP-Dependent Protein Kinase. Cellular Physiology and Biochemistry, 1995, 5, 23-32.	1.6	7