

# Nicol S Harper

## List of Publications by Year in descending order

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Version: 2024-02-01

25  
papers

1,517  
citations

566801

15  
h-index

610482

24  
g-index

36  
all docs

36  
docs citations

36  
times ranked

1173  
citing authors

#	ARTICLE	IF	CITATIONS
1	Exploring the distribution of statistical feature parameters for natural sound textures. PLoS ONE, 2021, 16, e0238960.	1.1	7
2	Sensitivity of neural responses in the inferior colliculus to statistical features of sound textures. Hearing Research, 2021, 412, 108357.	0.9	3
3	Simple transformations capture auditory input to cortex. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 28442-28451.	3.3	27
4	Auditory cortical representation of music favours the perceived beat. Royal Society Open Science, 2020, 7, 191194.	1.1	8
5	STRFs in primary auditory cortex emerge from masking-based statistics of natural sounds. PLoS Computational Biology, 2019, 15, e1006595.	1.5	9
6	A dynamic network model of temporal receptive fields in primary auditory cortex. PLoS Computational Biology, 2019, 15, e1006618.	1.5	18
7	Sensory cortex is optimized for prediction of future input. ELife, 2018, 7, .	2.8	53
8	Midbrain adaptation may set the stage for the perception of musical beat. Proceedings of the Royal Society B: Biological Sciences, 2017, 284, 20171455.	1.2	29
9	Measuring the Performance of Neural Models. Frontiers in Computational Neuroscience, 2016, 10, 10.	1.2	70
10	Rhythm Facilitates the Detection of Repeating Sound Patterns. Frontiers in Neuroscience, 2016, 10, 9.	1.4	20
11	Network Receptive Field Modeling Reveals Extensive Integration and Multi-feature Selectivity in Auditory Cortical Neurons. PLoS Computational Biology, 2016, 12, e1005113.	1.5	56
12	Incorporating Midbrain Adaptation to Mean Sound Level Improves Models of Auditory Cortical Processing. Journal of Neuroscience, 2016, 36, 280-289.	1.7	47
13	Meta-adaptation in the auditory midbrain under cortical influence. Nature Communications, 2016, 7, 13442.	5.8	90
14	A Device for Human Ultrasonic Echolocation. IEEE Transactions on Biomedical Engineering, 2015, 62, 1526-1534.	2.5	40
15	The Neural Code for Auditory Space Depends on Sound Frequency and Head Size in an Optimal Manner. PLoS ONE, 2014, 9, e108154.	1.1	28
16	Temporal predictability enhances auditory detection. Journal of the Acoustical Society of America, 2014, 135, EL357-EL363.	0.5	57
17	Selective Adaptation to "Oddball" Sounds by the Human Auditory System. Journal of Neuroscience, 2014, 34, 1963-1969.	1.7	13
18	Temporal predictability as a grouping cue in the perception of auditory streams. Journal of the Acoustical Society of America, 2013, 134, EL98-EL104.	0.5	18

#	ARTICLE	IF	CITATIONS
19	Adaptive coding is constrained to midline locations in a spatial listening task. Journal of Neurophysiology, 2012, 108, 1856-1868.	0.9	25
20	Rapid Neural Adaptation to Sound Level Statistics. Journal of Neuroscience, 2008, 28, 6430-6438.	1.7	170
21	Neural population coding of sound level adapts to stimulus statistics. Nature Neuroscience, 2005, 8, 1684-1689.	7.1	443
22	Optimal neural population coding of an auditory spatial cue. Nature, 2004, 430, 682-686.	13.7	258
23	Temporal Constraints on Visual Learning: A Computational Model. Perception, 1999, 28, 1089-1104.	0.5	5
24	Temporal constraints on visual learning: a computational model. Perception, 1999, 28, 1089-1104.	0.5	2
25	Cortical adaptation to sound reverberation. ELife, 0, 11, .	2.8	7