

# Christian J Sumner

## List of Publications by Year in descending order

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Version: 2024-02-01

35  
papers

929  
citations

516710

16  
h-index

477307

29  
g-index

36  
all docs

36  
docs citations

36  
times ranked

870  
citing authors

#	ARTICLE	IF	CITATIONS
1	A revised model of the inner-hair cell and auditory-nerve complex. <i>Journal of the Acoustical Society of America</i> , 2002, 111, 2178.	1.1	162
2	Adaptation in a revised inner-hair cell model. <i>Journal of the Acoustical Society of America</i> , 2003, 113, 893-901.	1.1	67
3	Olivocochlear Efferent Control in Sound Localization and Experience-Dependent Learning. <i>Journal of Neuroscience</i> , 2011, 31, 2493-2501.	3.6	62
4	Classification of frequency response areas in the inferior colliculus reveals continua not discrete classes. <i>Journal of Physiology</i> , 2013, 591, 4003-4025.	2.9	60
5	Mechanisms of adaptation in human auditory cortex. <i>Journal of Neurophysiology</i> , 2013, 110, 973-983.	1.8	54
6	Mammalian behavior and physiology converge to confirm sharper cochlear tuning in humans. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018, 115, 11322-11326.	7.1	54
7	Responses of Ventral Cochlear Nucleus Neurons to Contralateral Sound After Conductive Hearing Loss. <i>Journal of Neurophysiology</i> , 2005, 94, 4234-4243.	1.8	53
8	Auditory nerve fibre responses in the ferret. <i>European Journal of Neuroscience</i> , 2012, 36, 2428-2439.	2.6	53
9	Examining the role of frequency specificity in the enhancement and suppression of human cortical activity by auditory selective attention. <i>Hearing Research</i> , 2009, 257, 106-118.	2.0	52
10	A nonlinear filter-bank model of the guinea-pig cochlear nerve: Rate responses. <i>Journal of the Acoustical Society of America</i> , 2003, 113, 3264.	1.1	49
11	Forward suppression in the auditory cortex is frequency-specific. <i>European Journal of Neuroscience</i> , 2011, 33, 1240-1251.	2.6	36
12	Mode-Locked Spike Trains in Responses of Ventral Cochlear Nucleus Chopper and Onset Neurons to Periodic Stimuli. <i>Journal of Neurophysiology</i> , 2010, 103, 1226-1237.	1.8	29
13	Mapping feature-sensitivity and attentional modulation in human auditory cortex with functional magnetic resonance imaging. <i>European Journal of Neuroscience</i> , 2011, 33, 1733-1741.	2.6	26
14	Forward Masking Estimated by Signal Detection Theory Analysis of Neuronal Responses in Primary Auditory Cortex. <i>JARO - Journal of the Association for Research in Otolaryngology</i> , 2010, 11, 477-494.	1.8	24
15	Stream segregation in the anesthetized auditory cortex. <i>Hearing Research</i> , 2015, 328, 48-58.	2.0	23
16	The temporal representation of speech in a nonlinear model of the guinea pig cochlea. <i>Journal of the Acoustical Society of America</i> , 2004, 116, 3534-3545.	1.1	22
17	The contribution of visual information to the perception of speech in noise with and without informative temporal fine structure. <i>Hearing Research</i> , 2016, 336, 17-28.	2.0	13
18	A Phenomenological Model of the Electrically Stimulated Auditory Nerve Fiber: Temporal and Biphasic Response Properties. <i>Frontiers in Computational Neuroscience</i> , 2016, 10, 8.	2.1	12

#	ARTICLE	IF	CITATIONS
19	Signal detection: applying analysis methods from psychology to animal behaviour. Philosophical Transactions of the Royal Society B: Biological Sciences, 2020, 375, 20190480.	4.0	12
20	Decision Criterion Dynamics in Animals Performing an Auditory Detection Task. PLoS ONE, 2014, 9, e114076.	2.5	11
21	Spatial Processing Is Frequency Specific in Auditory Cortex But Not in the Midbrain. Journal of Neuroscience, 2017, 37, 6588-6599.	3.6	8
22	The role of auditory nerve innervation and dendritic filtering in shaping onset responses in the ventral cochlear nucleus. Brain Research, 2009, 1247, 221-234.	2.2	7
23	Changes in Neuronal Representations of Consonants in the Ascending Auditory System and Their Role in Speech Recognition. Frontiers in Neuroscience, 2018, 12, 671.	2.8	7
24	Visual Speech Benefit in Clear and Degraded Speech Depends on the Auditory Intelligibility of the Talker and the Number of Background Talkers. Trends in Hearing, 2019, 23, 233121651983786.	1.3	7
25	Behavioural estimates of auditory filter widths in ferrets using notched-noise maskers. Journal of the Acoustical Society of America, 2016, 139, EL19-EL24.	1.1	6
26	Relating approach-to-target and detection tasks in animal psychoacoustics.. Behavioral Neuroscience, 2016, 130, 393-405.	1.2	5
27	Searching for a talking face: The effect of degrading the auditory signal.. Journal of Experimental Psychology: Human Perception and Performance, 2014, 40, 2106-2111.	0.9	4
28	Salicylate decreases the spontaneous firing rate of guinea pig auditory nerve fibres. Neuroscience Letters, 2021, 747, 135705.	2.1	4
29	Retuning of Inferior Colliculus Neurons Following Spiral Ganglion Lesions: A Single-Neuron Model of Converging Inputs. JARO - Journal of the Association for Research in Otolaryngology, 2009, 10, 111-130.	1.8	3
30	Revisiting Models of Concurrent Vowel Identification: The Critical Case of No Pitch Differences. Acta Acustica United With Acustica, 2018, 104, 922-925.	0.8	2
31	The need for a cool head: reversible inactivation reveals functional segregation in auditory cortex. Nature Neuroscience, 2008, 11, 530-531.	14.8	1
32	Monitoring Lick Responses in Animal Behavioral Experiments Using a PSoC. , 2014, , .		1
33	Which bit of auditory cortex does "where"™?. Journal of Physiology, 2012, 590, 3645-3645.	2.9	0
34	What Makes Human Hearing Special?. Frontiers for Young Minds, 0, 10, .	0.8	0
35	Sound Localization and Experience-Dependent Plasticity. , 2022, , 3188-3190.		0