

# Christian J Sumner

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/3628021/publications.pdf>

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  | Sound Localization and Experience-Dependent Plasticity. , 2022, , 3188-3190.  |     | 0         |
| 2  | Salicylate decreases the spontaneous firing rate of guinea pig auditory nerve fibres. Neuroscience Letters, 2021, 747, 135705.  | 2.1 | 4         |
| 3  | 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        |
| 4  | 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         |
| 5  | 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         |
| 6  | 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         |
| 7  | Mammalian behavior and physiology converge to confirm sharper cochlear tuning in humans. Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, 11322-11326. | 7.1 | 54        |
| 8  | Spatial Processing Is Frequency Specific in Auditory Cortex But Not in the Midbrain. Journal of Neuroscience, 2017, 37, 6588-6599.  | 3.6 | 8         |
| 9  | A Phenomenological Model of the Electrically Stimulated Auditory Nerve Fiber: Temporal and Biphasic Response Properties. Frontiers in Computational Neuroscience, 2016, 10, 8.                    | 2.1 | 12        |
| 10 | 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         |
| 11 | The contribution of visual information to the perception of speech in noise with and without informative temporal fine structure. Hearing Research, 2016, 336, 17-28.                             | 2.0 | 13        |
| 12 | Relating approach-to-target and detection tasks in animal psychoacoustics.. Behavioral Neuroscience, 2016, 130, 393-405.  | 1.2 | 5         |
| 13 | Stream segregation in the anesthetized auditory cortex. Hearing Research, 2015, 328, 48-58.   | 2.0 | 23        |
| 14 | Decision Criterion Dynamics in Animals Performing an Auditory Detection Task. PLoS ONE, 2014, 9, e114076.   | 2.5 | 11        |
| 15 | 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         |
| 16 | Monitoring Lick Responses in Animal Behavioral Experiments Using a PSoC. , 2014, , .  |     | 1         |
| 17 | Classification of frequency response areas in the inferior colliculus reveals continua not discrete classes. Journal of Physiology, 2013, 591, 4003-4025.   | 2.9 | 60        |
| 18 | Mechanisms of adaptation in human auditory cortex. Journal of Neurophysiology, 2013, 110, 973-983.  | 1.8 | 54        |

| #  | ARTICLE   | IF   | CITATIONS |
|----|---|------|-----------|
| 19 | Which bit of auditory cortex does "where"™?. <i>Journal of Physiology</i> , 2012, 590, 3645-3645.   | 2.9  | 0         |
| 20 | Auditory nerve fibre responses in the ferret. <i>European Journal of Neuroscience</i> , 2012, 36, 2428-2439.  | 2.6  | 53        |
| 21 | Forward suppression in the auditory cortex is frequency-specific. <i>European Journal of Neuroscience</i> , 2011, 33, 1240-1251.  | 2.6  | 36        |
| 22 | 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        |
| 23 | Olivocochlear Efferent Control in Sound Localization and Experience-Dependent Learning. <i>Journal of Neuroscience</i> , 2011, 31, 2493-2501.   | 3.6  | 62        |
| 24 | 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        |
| 25 | 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        |
| 26 | The role of auditory nerve innervation and dendritic filtering in shaping onset responses in the ventral cochlear nucleus. <i>Brain Research</i> , 2009, 1247, 221-234.   | 2.2  | 7         |
| 27 | Retuning of Inferior Colliculus Neurons Following Spiral Ganglion Lesions: A Single-Neuron Model of Converging Inputs. <i>JARO - Journal of the Association for Research in Otolaryngology</i> , 2009, 10, 111-130. | 1.8  | 3         |
| 28 | 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        |
| 29 | The need for a cool head: reversible inactivation reveals functional segregation in auditory cortex. <i>Nature Neuroscience</i> , 2008, 11, 530-531.  | 14.8 | 1         |
| 30 | 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        |
| 31 | 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        |
| 32 | 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        |
| 33 | Adaptation in a revised inner-hair cell model. <i>Journal of the Acoustical Society of America</i> , 2003, 113, 893-901.  | 1.1  | 67        |
| 34 | 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       |
| 35 | What Makes Human Hearing Special?. <i>Frontiers for Young Minds</i> , 0, 10, .  | 0.8  | 0         |