

# Christian E Stilp

## List of Publications by Year in descending order

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Version: 2024-02-01

38  
papers

615  
citations

759233

12  
h-index

677142

22  
g-index

54  
all docs

54  
docs citations

54  
times ranked

282  
citing authors

#	ARTICLE	IF	CITATIONS
1	Cochlea-scaled entropy, not consonants, vowels, or time, best predicts speech intelligibility. Proceedings of the National Academy of Sciences of the United States of America, 2010, 107, 12387-12392.	7.1	96
2	Auditory color constancy: Calibration to reliable spectral properties across nonspeech context and targets. Attention, Perception, and Psychophysics, 2010, 72, 470-480.	1.3	52
3	Cochlea-scaled spectral entropy predicts rate-invariant intelligibility of temporally distorted sentences. Journal of the Acoustical Society of America, 2010, 128, 2112-2126.	1.1	45
4	Rapid efficient coding of correlated complex acoustic properties. Proceedings of the National Academy of Sciences of the United States of America, 2010, 107, 21914-21919.	7.1	39
5	Predicting contrast effects following reliable spectral properties in speech perception. Journal of the Acoustical Society of America, 2015, 137, 3466-3476.	1.1	33
6	Acoustic context effects in speech perception. Wiley Interdisciplinary Reviews: Cognitive Science, 2020, 11, e1517.	2.8	31
7	Talker information influences spectral contrast effects in speech categorization. Journal of the Acoustical Society of America, 2015, 138, 3023-3032.	1.1	27
8	Perception of Vowel Sounds Within a Biologically Realistic Model of Efficient Coding. , 2013, , 117-151.		26
9	Perceptual sensitivity to spectral properties of earlier sounds during speech categorization. Attention, Perception, and Psychophysics, 2018, 80, 1300-1310.	1.3	23
10	Efficient Coding and Statistically Optimal Weighting of Covariance among Acoustic Attributes in Novel Sounds. PLoS ONE, 2012, 7, e30845.	2.5	16
11	Stimulus Statistics Change Sounds from Near-Indiscriminable to Hyperdiscriminable. PLoS ONE, 2016, 11, e0161001.	2.5	16
12	Power spectral entropy as an information-theoretic correlate of manner of articulation in American English. Journal of the Acoustical Society of America, 2017, 141, EL127-EL133.	1.1	14
13	Consonant categorization exhibits a graded influence of surrounding spectral context. Journal of the Acoustical Society of America, 2017, 141, EL153-EL158.	1.1	13
14	Talker normalization is mediated by structured indexical information. Attention, Perception, and Psychophysics, 2020, 82, 2237-2243.	1.3	12
15	Speech perception in simulated electric hearing exploits information-bearing acoustic change. Journal of the Acoustical Society of America, 2013, 133, EL136-EL141.	1.1	11
16	Long-standing problems in speech perception dissolve within an information-theoretic perspective. Attention, Perception, and Psychophysics, 2019, 81, 861-883.	1.3	11
17	Non-isomorphism in efficient coding of complex sound properties. Journal of the Acoustical Society of America, 2011, 130, EL352-EL357.	1.1	10
18	Natural speech statistics shift phoneme categorization. Attention, Perception, and Psychophysics, 2019, 81, 2037-2052.	1.3	10

#	ARTICLE	IF	CITATIONS
19	Auditory enhancement and spectral contrast effects in speech perception. Journal of the Acoustical Society of America, 2019, 146, 1503-1517.	1.1	10
20	Acoustic Context Alters Vowel Categorization in Perception of Noise-Vocoded Speech. JARO - Journal of the Association for Research in Otolaryngology, 2017, 18, 465-481.	1.8	9
21	Discovering acoustic structure of novel sounds. Journal of the Acoustical Society of America, 2018, 143, 2460-2473.	1.1	9
22	Musical instrument categorization is highly sensitive to spectral properties of earlier sounds. Attention, Perception, and Psychophysics, 2019, 81, 1119-1126.	1.3	9
23	Evaluating peripheral versus central contributions to spectral context effects in speech perception. Hearing Research, 2020, 392, 107983.	2.0	9
24	Information-bearing acoustic change outperforms duration in predicting intelligibility of full-spectrum and noise-vocoded sentences. Journal of the Acoustical Society of America, 2014, 135, 1518-1529.	1.1	8
25	Modest, reliable spectral peaks in preceding sounds influence vowel perception. Journal of the Acoustical Society of America, 2014, 136, EL383-EL389.	1.1	8
26	Spectral contrast effects in vowel categorization by listeners with sensorineural hearing loss. Proceedings of Meetings on Acoustics, 2016, , .	0.3	8
27	Variability in talkers' fundamental frequencies shapes context effects in speech perception. Journal of the Acoustical Society of America, 2019, 145, 1443-1454.	1.1	7
28	The redundancy of phonemes in sentential context. Journal of the Acoustical Society of America, 2011, 130, EL323-EL328.	1.1	6
29	Statistical structure of speech sound classes is congruent with cochlear nucleus response properties. Proceedings of Meetings on Acoustics, 2014, , .	0.3	6
30	Speech perception adjusts to stable spectrotemporal properties of the listening environment. Hearing Research, 2016, 341, 168-178.	2.0	6
31	Spectral and temporal resolutions of information-bearing acoustic changes for understanding vocoded sentences. Journal of the Acoustical Society of America, 2015, 137, 844-855.	1.1	5
32	Natural music context biases musical instrument categorization. Attention, Perception, and Psychophysics, 2020, 82, 2209-2214.	1.3	4
33	Contributions of natural signal statistics to spectral context effects in consonant categorization. Attention, Perception, and Psychophysics, 2021, 83, 2694-2708.	1.3	4
34	Phonetics and the auditory system. , 2019, , 164-192.		4
35	Influences of noise-interruption and information-bearing acoustic changes on understanding simulated electric-acoustic speech. Journal of the Acoustical Society of America, 2016, 140, 3971-3979.	1.1	3
36	Context effects in perception of vowels differentiated by $F_{1}$ are not influenced by variability in talkers' mean $F_{1}$ or $F_{3}$ . Journal of the Acoustical Society of America, 2022, 152, 55-66.	1.1	3

#	ARTICLE	IF	CITATIONS
37	Languages across the world are efficiently coded by the auditory system. Proceedings of Meetings on Acoustics, 2015, , .	0.3	2
38	Parameterizing spectral contrast effects in vowel categorization using noise contexts. Journal of the Acoustical Society of America, 2021, 150, 2806-2816.	1.1	0