Simon Carlile

List of Publications by Year
in descending order

61 papers	1,903 citations	201674 27 h-index	276875 41 g-index
62 all docs	62 docs citations	62 times ranked	1123 citing authors

#	Article	IF	Citations
1	The nature and distribution of errors in sound localization by human listeners. Hearing Research, 1997, 114, 179-196.	2.0	147
2	The role of high frequencies in speech localization. Journal of the Acoustical Society of America, 2005, 118, 353-363.	1.1	112
3	Synchronizing to real events: Subjective audiovisual alignment scales with perceived auditory depth and speed of sound. Proceedings of the National Academy of Sciences of the United States of America, 2005, 102, 2244-2247.	7.1	88
4	The Quest for Ecological Validity in Hearing Science: What It Is, Why It Matters, and How to Advance It. Ear and Hearing, 2020, 41, 5S-19S.	2.1	82
5	The Perception of Auditory Motion. Trends in Hearing, 2016, 20, 233121651664425.	1.3	80
6	Methods for spherical data analysis and visualization. Journal of Neuroscience Methods, 1998, 80, 191-200.	2.5	63
7	The role of individualized headphone calibration for the generation of high fidelity virtual auditory space. Journal of the Acoustical Society of America, 1996, 100, 3785-3793.	1.1	62
8	Benefit from spatial separation of multiple talkers in bilateral hearing-aid users: Effects of hearing loss, age, and cognition. International Journal of Audiology, 2009, 48, 758-774.	1.7	60
9	Discrimination of sound source velocity in human listeners. Journal of the Acoustical Society of America, 2002, 111, 1026-1035.	1.1	56
10	Virtual Auditory Space: Generation and Applications. Neuroscience Intelligence Unit, 1996, , .	0.5	56
11	The locationâ€dependent nature of perceptually salient features of the human headâ€related transfer functions. Journal of the Acoustical Society of America, 1994, 95, 3445-3459.	1.1	54
12	The auditory periphery of the ferret. I: Directional response properties and the pattern of interaural level differences. Journal of the Acoustical Society of America, 1990, 88, 2180-2195.	1.1	53
13	Spectral Information in Sound Localization. International Review of Neurobiology, 2005, 70, 399-434.	2.0	53
14	Directional properties of the auditory periphery in the guinea pig. Hearing Research, 1987, 31, 111-122.	2.0	51
15	The auditory periphery of the ferret. II: The spectral transformations of the external ear and their implications for sound localization. Journal of the Acoustical Society of America, 1990, 88, 2196-2204.	1.1	49
16	A comparison of CIC and BTE hearing aids for three-dimensional localization of speech. International Journal of Audiology, 2010, 49, 723-732.	1.7	47
17	Healthcare and the information age: implications for medical education. Medical Journal of Australia, 1998, 168, 340-343.	1.7	44
18	Contrasting monaural and interaural spectral cues for human sound localization. Journal of the Acoustical Society of America, 2004, 115, 3124-3141.	1.1	44

#	Article	IF	Citations
19	Systematic distortions of auditory space perception following prolonged exposure to broadband noise. Journal of the Acoustical Society of America, 2001, 110, 416-424.	1.1	43
20	The localisation of spectrally restricted sounds by human listeners. Hearing Research, 1999, 128, 175-189.	2.0	42
21	The plastic ear and perceptual relearning in auditory spatial perception. Frontiers in Neuroscience, 2014, 8, 237.	2.8	40
22	Compression of auditory space during rapid head turns. Proceedings of the National Academy of Sciences of the United States of America, 2008, 105, 6492-6497.	7.1	37
23	Contributions of talker characteristics and spatial location to auditory streaming. Journal of the Acoustical Society of America, 2008, 123, 1562-1570.	1.1	37
24	Accommodating to new ears: The effects of sensory and sensory-motor feedback. Journal of the Acoustical Society of America, 2014, 135, 2002-2011.	1.1	35
25	Measuring the human headâ€related transfer functions: A novel method for the construction and calibration of a miniature â€˜â€˜inâ€earâ€™â€™ recording system. Journal of the Acoustical Society of America, 1994, 95, 3435-3444.	1.1	34
26	Speech localization in a multitalker mixture. Journal of the Acoustical Society of America, 2010, 127, 1450-1457.	1.1	32
27	Costs of switching auditory spatial attention in following conversational turn-taking. Frontiers in Neuroscience, 2015, 9, 124.	2.8	31
28	Distortions of auditory space during rapid head turns. Experimental Brain Research, 2008, 191, 209-219.	1.5	26
29	Relearning Auditory Spectral Cues for Locations Inside and Outside the Visual Field. JARO - Journal of the Association for Research in Otolaryngology, 2014, 15, 249-263.	1.8	24
30	Responses of neurons in the ferret superior colliculus to the spatial location of tonal stimuli. Hearing Research, 1994, 81, 137-149.	2.0	23
31	Medical problem based learning supported by intranet technology: a natural student centred approach. International Journal of Medical Informatics, 1998, 50, 225-233.	3.3	22
32	Speech intelligibility reduces over distance from an attended location: Evidence for an auditory spatial gradient of attention. Perception & Psychophysics, 2009, 71, 164-173.	2.3	22
33	Distribution of frequency sensitivity in the superior colliculus of the guinea pig. Hearing Research, 1987, 31, 123-136.	2.0	21
34	Selective spatial attention modulates bottom-up informational masking of speech. Scientific Reports, 2015, 5, 8662.	3.3	21
35	The Physical and Psychophysical Basis of Sound Localization. Neuroscience Intelligence Unit, 1996, , 27-78.	0.5	19
36	Discrimination Contours for Moving Sounds Reveal Duration and Distance Cues Dominate Auditory Speed Perception. PLoS ONE, 2014, 9, e102864.	2.5	15

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37	Conversational Interaction Is the Brain in Action: Implications for the Evaluation of Hearing and Hearing Interventions. Ear and Hearing, 2020, 41, 56S-67S.	2.1	15
38	The effect of velocity on auditory representational momentum. Journal of the Acoustical Society of America, 2014, 136, EL20-EL25.	1.1	14
39	Generation and Validation of Virtual Auditory Space. Neuroscience Intelligence Unit, 1996, , 109-151.	0.5	13
40	HUMAN LOCALISATION OF BAND-PASS FILTERED NOISE. International Journal of Neural Systems, 1999, 09, 441-446.	5.2	12
41	Masker location uncertainty reveals evidence for suppression of maskers in two-talker contexts. Journal of the Acoustical Society of America, 2011, 130, 2043-2053.	1.1	12
42	Acoustic analysis of the directional information captured by five different hearing aid styles. Journal of the Acoustical Society of America, 2014, 136, 818-828.	1.1	12
43	Six Degrees of Auditory Spatial Separation. JARO - Journal of the Association for Research in Otolaryngology, 2016, 17, 209-221.	1.8	12
44	Development and evaluation of a mixed gender, multi-talker matrix sentence test in Australian English. International Journal of Audiology, 2017, 56, 85-91.	1.7	9
45	Sensitivity to Auditory Velocity Contrast. Scientific Reports, 2016, 6, 27725.	3.3	8
46	From outer ear to virtual space. Current Biology, 1993, 3, 446-448.	3.9	7
47	The Generalization of Auditory Accommodation to Altered Spectral Cues. Scientific Reports, 2017, 7, 11588.	3.3	7
48	A Review of the Possible Perceptual and Physiological Effects of Wind Turbine Noise. Trends in Hearing, 2018, 22, 233121651878955.	1.3	7
49	Head Tracking of Auditory, Visual, and Audio-Visual Targets. Frontiers in Neuroscience, 2016, 9, 493.	2.8	6
50	Tracking the dynamic representation of consonants from auditory periphery to cortex. Journal of the Acoustical Society of America, 2018, 144, 2462-2472.	1.1	6
51	The Effects of Switching Non-Spatial Attention During Conversational Turn Taking. Scientific Reports, 2019, 9, 8057.	3.3	6
52	A Review of the Potential Impacts of Wind Turbine Noise in the Australian Context. Acoustics Australia, 2020, 48, 181-197.	2.4	6
53	Phase effects on the perceived elevation of complex tones. Journal of the Acoustical Society of America, 2010, 127, 3060-3072.	1.1	5
54	Auditory Space. Neuroscience Intelligence Unit, 1996, , 1-25.	0.5	5

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55	Auditory Perception: Attentive Solution to the Cocktail Party Problem. Current Biology, 2015, 25, R757-R759.	3.9	4
56	Effects of Virtual Speaker Density and Room Reverberation on Spatiotemporal Thresholds of Audio-Visual Motion Coherence. PLoS ONE, 2014, 9, e108437.	2.5	3
57	The monaural spectral cues identified by a reverse correlation analysis of free-field auditory localization data. Journal of the Acoustical Society of America, 2019, 146, 29-40.	1.1	3
58	Masking produced by broadband noise presented in virtual auditory space. Journal of the Acoustical Society of America, 1996, 100, 3761-3768.	1.1	2
59	A Mechanism for Detecting Coincidence of Auditory and Visual Spatial Signals. Multisensory Research, 2013, 26, 333-345.	1.1	2
60	Spatial Unmasking of Speech Based on Near-Field Distance Cues. , 0, , .		1
61	A Collection of Pseudo-Words to Study Multi-Talker Speech Intelligibility without Shifts of Spatial Attention. Frontiers in Psychology, 2012, 3, 49.	2.1	1