Christian GiguÃ¨re

List of Publications by Year
in descending order

40 papers	**1,208** citations	**14** h-index

623188

377514

34 g-index	

44 all docs	**44** docs citations	**44** times ranked	**764** citing authors

#	ARTICLE	IF	CITATIONS
1	Timeâ€domain modeling of peripheral auditory processing: A modular architecture and a software platform. Journal of the Acoustical Society of America, 1995, 98, 1890-1894.	0.5	503
2	A computational model of the auditory periphery for speech and hearing research. I. Ascending path. Journal of the Acoustical Society of America, 1994, 95, 331-342.	0.5	124
3	The effect of aging on horizontal plane sound localization. Journal of the Acoustical Society of America, 2000, 108, 743-752.	0.5	118
4	Adaptation of the HINT (hearing in noise test) for adult Canadian Francophone populations. International Journal of Audiology, 2005, 44, 358-361.	0.9	64
5	Sound localization: Effects of reverberation time, speaker array, stimulus frequency, and stimulus rise/decay. Journal of the Acoustical Society of America, 1993, 94, 769-776.	0.5	57
6	Establishment of Age-Specific Normative Data for the Canadian French Version of the Hearing in Noise Test for Children. Ear and Hearing, 2008, 29, 453-466.	1.0	38
7	Comparison of sound propagation and perception of three types of backup alarms with regards to worker safety. Noise and Health, 2013, 15, 420.	0.4	28
8	A Psychoacoustical Model for Specifying the Level and Spectrum of Acoustic Warning Signals in the Workplace. Journal of Occupational and Environmental Hygiene, 2007, 4, 87-98.	0.4	26
9	A computational model of the auditory periphery for speech and hearing research. II. Descending paths. Journal of the Acoustical Society of America, 1994, 95, 343-349.	0.5	24
10	Functionally-based screening criteria for hearing-critical jobs based on the Hearing in Noise Test. International Journal of Audiology, 2008, 47, 319-328.	0.9	23
11	Auditory Perception with Level-Dependent Hearing Protectors<i>The Effects of Age and Hearing Loss</i>. Scandinavian Audiology, 1993, 22, 71-85.	0.5	19
12	Adaptive environment classification system for hearing aids. Journal of the Acoustical Society of America, 2010, 127, 3124-3135.	0.5	17
13	Development of the Canadian Digit Triplet Test in English and French. Journal of the Acoustical Society of America, 2020, 147, EL252-EL258.	0.5	16
14	Evidence-based occupational hearing screening II: validation of a screening methodology using measures of functional hearing ability. International Journal of Audiology, 2018, 57, 323-334.	0.9	14
15	Evaluation of Auditory Functions for Royal Canadian Mounted Police Officers. Journal of the American Academy of Audiology, 2011, 22, 313-331.	0.4	13
16	Evidence-Based Occupational Hearing Screening I: Modeling the Effects of Real-World Noise Environments on the Likelihood of Effective Speech Communication. Ear and Hearing, 2018, 39, 436-448.	1.0	12
17	An acoustic head simulator for hearing protector evaluation. II: Measurements in steadyâ€state and impulse noise environments. Journal of the Acoustical Society of America, 1989, 85, 1197-1205.	0.5	10
18	An acoustic head simulator for hearing protector evaluation. I: Design and construction. Journal of the Acoustical Society of America, 1989, 85, 1191-1196.	0.5	10

#	ARTICLE	IF	CITATIONS
19	The interaction of hearing loss and level-dependent hearing protection on speech recognition in noise. International Journal of Audiology, 2015, 54, S9-S18.	0.9	10
20	Self-masking and overlap-masking from reverberation using the speech-evoked auditory brainstem response. Journal of the Acoustical Society of America, 2017, 142, EL555-EL560.	0.5	9
21	The generation of psychoacoustic combination tones in relation to two-tone suppression effects in a computational model. Journal of the Acoustical Society of America, 1997, 102, 2821-2830.	0.5	8
22	Improving hearing aid fitting using the speech-evoked auditory brainstem response. , 2013, 2013, 2812-5.		7
23	Speech recognition in noise under hearing protection: A computational study of the combined effects of hearing loss and hearing protector attenuation. International Journal of Audiology, 2016, 55, S30-S40.	0.9	7
24	The generation of DC potentials in a computational model of the organ of Corti: effects of voltage-dependent K+ channels in the basolateral membrane of the inner hair cell. Hearing Research, 1998, 115, 184-196.	0.9	6
25	Modelling Speech Intelligibility in the Noisy Work- place for Normal-hearing and Hearing-impaired Listeners Using Hearing Protectors. International Journal of Acoustics and Vibrations, 2010, 15, .	0.3	6
26	Direct and indirect methods for the measurement of occupational sound exposure from communication headsets. Noise Control Engineering Journal, 2012, 60, 630-644.	0.2	5
27	Detection and reaction thresholds for reverse alarms in noise with and without passive hearing protection. International Journal of Audiology, 2018, 57, S51-S60.	0.9	5
28	Comparison of direct measurement methods for headset noise exposure in the workplace. Noise and Health, 2016, 18, 62.	0.4	4
29	Effects of Early- and Late-Arriving Room Reflections on the Speech-Evoked Auditory Brainstem Response. Journal of the American Academy of Audiology, 2018, 29, 095-105.	0.4	3
30	Development of hearing standards for Ontarioâ€™s Constable Selection System. International Journal of Audiology, 2019, 58, 798-804.	0.9	3
31	Evaluating noise suppression methods for recovering the Lombard speech from vocal output in an external noise field. International Journal of Speech Technology, 2019, 22, 31-46.	1.4	3
32	Evaluation of the Phase-Inversion Signal Separation Method When Using Nonlinear Hearing Aids. IEEE Transactions on Audio Speech and Language Processing, 2013, 21, 879-888.	3.8	2
33	Effect of Hearing and Head Protection on the Localization of Tonal and Broadband Reverse Alarms. Human Factors, 2021, , 001872082199222.	2.1	2
34	A Wiener-based implementation of equalization-cancellation pre-processing for binaural speech intelligibility prediction. , 2009, , .		1
35	Advanced hearing protection and auditory awareness in individuals with hearing loss. Proceedings of Meetings on Acoustics, 2013, , .	0.3	1
36	Binaural speech recognition in continuous and intermittent noises in people with hearing loss. Proceedings of Meetings on Acoustics, 2013, , .	0.3	1

#	Article	IF	Citations
37	An indirect calculation method for estimating occupational sound exposure from communication headsets. Journal of the Acoustical Society of America, 2019, 145, 749-760.	0.5	1
38	Toward an improved hearing safety standard for impulse noise exposure in the Canadian Armed Forces. Journal of Military, Veteran and Family Health, 2020, 6, 98-107.	0.3	1
39	Effects of hearing loss and language proficiency on speech intelligibility over radio transmission with tactical communication devices. International Journal of Audiology, 2020, 59, S31-S39.	0.9	1
40	COMPUTATIONAL MODELING OF OUTER HAIR CELL DAMAGE: IMPLICATIONS FOR HEARING AID SIGNAL PROCESSING. , 1999, , 155-164.		1