

Cas Smits

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

65
papers

1,682
citations

24
h-index

40
g-index

69
ext. papers

2,116
ext. citations

2.7
avg, IF

4.89
L-index

#	Paper	IF	Citations
65	Improving the Efficiency of the Digits-in-Noise Hearing Screening Test: A Comparison Between Four Different Test Procedures. <i>Journal of Speech, Language, and Hearing Research</i> , 2021 , 1-14	2.8	1
64	French Version of the Antiphase Digits-in-Noise Test for Smartphone Hearing Screening. <i>Frontiers in Public Health</i> , 2021 , 9, 725080	6	1
63	Cochlear Implant Magnet Dislocation: Simulations and Measurements of Force and Torque at 1.5T Magnetic Resonance Imaging. <i>Ear and Hearing</i> , 2021 , 42, 1276-1283	3.4	1
62	Binaural summation, binaural unmasking and fluctuating masker benefit in bimodal and bilateral adult cochlear implant users. <i>Cochlear Implants International</i> , 2021 , 22, 245-256	1.7	
61	Speech Recognition in Noise Using Binaural Diotic and Antiphase Digits-in-Noise in Children: Maturation and Self-Test Validity. <i>Journal of the American Academy of Audiology</i> , 2021 , 32, 315-323	1.3	4
60	Empowering Cochlear Implant Users in Their Home Environment by eHealth Solutions 2021 , 605-632		
59	Approaches to mathematical modeling of context effects in sentence recognition. <i>Journal of the Acoustical Society of America</i> , 2021 , 149, 1371	2.2	2
58	An analytical method to convert between speech recognition thresholds and percentage-correct scores for speech-in-noise tests. <i>Journal of the Acoustical Society of America</i> , 2021 , 150, 1321	2.2	1
57	Digital Technology for Remote Hearing Assessment Current Status and Future Directions for Consumers. <i>Sustainability</i> , 2021 , 13, 10124	3.6	0
56	Association between Speech Recognition in Noise and Risk Factors of Cardiovascular Disease. <i>Audiology and Neuro-Otology</i> , 2021 , 26, 368-377	2.2	0
55	Characteristics and Help-Seeking Behavior of People Failing a Smart Device Self-Test for Hearing. <i>American Journal of Audiology</i> , 2020 , 29, 365-374	1.8	3
54	Rationale, Theoretical Underpinnings, and Design of HEAR-aware: Providing Adults With Hearing Loss With Tailored Support to Self-Manage Their Hearing Problems via a Smartphone App, as an Alternative to Hearing Aids. <i>American Journal of Audiology</i> , 2020 , 29, 648-660	1.8	4
53	Improving Sensitivity of the Digits-In-Noise Test Using Antiphase Stimuli. <i>Ear and Hearing</i> , 2020 , 41, 442-450	3.4	29
52	10-Year Follow-Up Results of The Netherlands Longitudinal Study on Hearing: Trends of Longitudinal Change in Speech Recognition in Noise. <i>Ear and Hearing</i> , 2020 , 41, 491-499	3.4	7
51	Relationship Between Speech Recognition in Quiet and Noise and Fitting Parameters, Impedances and ECAP Thresholds in Adult Cochlear Implant Users. <i>Ear and Hearing</i> , 2020 , 41, 935-947	3.4	5
50	Pure-tone audiometry without bone-conduction thresholds: using the digits-in-noise test to detect conductive hearing loss. <i>International Journal of Audiology</i> , 2020 , 59, 801-808	2.6	11
49	Collaboration Around Rare Bone Diseases Leads to the Unique Organizational Incentive of the Amsterdam Bone Center. <i>Frontiers in Endocrinology</i> , 2020 , 11, 481	5.7	2

48	Effect of cochlear implant n-of-m strategy on signal-to-noise ratio below which noise hinders speech recognition. <i>Journal of the Acoustical Society of America</i> , 2019 , 145, EL417	2.2	
47	Our experience with home self-assessment of speech recognition in the care pathway of 10 newly implanted adult cochlear implant users. <i>Clinical Otolaryngology</i> , 2019 , 44, 446-451	1.8	5
46	Mobile applications to detect hearing impairment: opportunities and challenges. <i>Bulletin of the World Health Organization</i> , 2019 , 97, 717-718	8.2	25
45	Empowering Cochlear Implant Users in Their Home Environment by eHealth Solutions. <i>Advances in Medical Technologies and Clinical Practice Book Series</i> , 2019 , 86-120	0.3	
44	Longitudinal Relationships Between Decline in Speech-in-Noise Recognition Ability and Cognitive Functioning: The Longitudinal Aging Study Amsterdam. <i>Journal of Speech, Language, and Hearing Research</i> , 2019 , 62, 1167-1187	2.8	22
43	The South African English Smartphone Digits-in-Noise Hearing Test: Effect of Age, Hearing Loss, and Speaking Competence. <i>Ear and Hearing</i> , 2018 , 39, 656-663	3.4	33
42	Comment on "Sensitivity of the Speech Intelligibility Index to the Assumed Dynamic Range," by Jin et al. (2017). <i>Journal of Speech, Language, and Hearing Research</i> , 2018 , 61, 186-188	2.8	
41	Is there evidence for the added value and correct use of manual and automatically switching multimemory hearing devices? A scoping review. <i>International Journal of Audiology</i> , 2018 , 57, 176-183	2.6	2
40	Evaluating a smartphone digits-in-noise test as part of the audiometric test battery. <i>South African journal of communication disorders Die Suid-Afrikaanse tydskrif vir Kommunikasieafwykings, The</i> , 2018 , 65, e1-e6	0.7	11
39	Speech Recognition Abilities in Normal-Hearing Children 4 to 12 Years of Age in Stationary and Interrupted Noise. <i>Ear and Hearing</i> , 2018 , 39, 1091-1103	3.4	32
38	Empowering Senior Cochlear Implant Users at Home via a Tablet Computer Application. <i>American Journal of Audiology</i> , 2018 , 27, 417-430	1.8	2
37	A Smartphone National Hearing Test: Performance and Characteristics of Users. <i>American Journal of Audiology</i> , 2018 , 27, 448-454	1.8	18
36	Assessment of speech recognition abilities in quiet and in noise: a comparison between self-administered home testing and testing in the clinic for adult cochlear implant users. <i>International Journal of Audiology</i> , 2018 , 57, 872-880	2.6	14
35	Long-term audiologic follow-up of carboplatin-treated children with retinoblastoma. <i>Ophthalmic Genetics</i> , 2017 , 38, 74-78	1.2	4
34	Cochlear Implantation in Adults With Asymmetric Hearing Loss: Benefits of Bimodal Stimulation. <i>Otology and Neurotology</i> , 2017 , 38, e100-e106	2.6	20
33	Improving the Efficiency of Speech-In-Noise Hearing Screening Tests. <i>Ear and Hearing</i> , 2017 , 38, e385-e388	3.4	6
32	Lexical-Access Ability and Cognitive Predictors of Speech Recognition in Noise in Adult Cochlear Implant Users. <i>Trends in Hearing</i> , 2017 , 21, 2331216517743887	3.2	15
31	Reevaluation of the Amsterdam Inventory for Auditory Disability and Handicap Using Item Response Theory. <i>Journal of Speech, Language, and Hearing Research</i> , 2016 , 59, 373-83	2.8	21

30	Benefits of simultaneous bilateral cochlear implantation on verbal reasoning skills in prelingually deaf children. <i>Research in Developmental Disabilities</i> , 2016 , 58, 104-13	2.7	24
29	The Development of Remote Speech Recognition Tests for Adult Cochlear Implant Users: The Effect of Presentation Mode of the Noise and a Reliable Method to Deliver Sound in Home Environments. <i>Audiology and Neuro-Otology</i> , 2016 , 21 Suppl 1, 48-54	2.2	12
28	Change in Psychosocial Health Status Over 5 Years in Relation to Adults' Hearing Ability in Noise. <i>Ear and Hearing</i> , 2016 , 37, 680-689	3.4	22
27	The influence of lexical-access ability and vocabulary knowledge on measures of speech recognition in noise. <i>International Journal of Audiology</i> , 2016 , 55, 157-67	2.6	36
26	A comparison between the Dutch and American-English digits-in-noise (DIN) tests in normal-hearing listeners. <i>International Journal of Audiology</i> , 2016 , 55, 358-65	2.6	26
25	Comment on International collegium of rehabilitative audiology (ICRA) recommendations for the construction of multilingual speech tests by Akeroyd et al. <i>International Journal of Audiology</i> , 2016 , 55, 268-9	2.6	9
24	Assessing speech recognition abilities with digits in noise in cochlear implant and hearing aid users. <i>International Journal of Audiology</i> , 2015 , 54, 48-57	2.6	35
23	Development and validation of a smartphone-based digits-in-noise hearing test in South African English. <i>International Journal of Audiology</i> , 2015 , 55, 405-11	2.6	47
22	Deterioration of Speech Recognition Ability Over a Period of 5 Years in Adults Ages 18 to 70 Years: Results of the Dutch Online Speech-in-Noise Test. <i>Ear and Hearing</i> , 2015 , 36, e129-37	3.4	14
21	Medication Use in Adults with and without Hearing Impairment. <i>Audiology and Neuro-Otology</i> , 2015 , 20, 354-9	2.2	1
20	Cochlear implant programming: a global survey on the state of the art. <i>Scientific World Journal</i> , 2014 , 2014, 501738	2.2	49
19	Hearing Loss in Older Persons: Does the Rate of Decline Affect Psychosocial Health?. <i>Journal of Aging and Health</i> , 2014 , 26, 703-723	2.6	55
18	The addition of a contralateral microphone for unilateral cochlear implant users: not an alternative for bilateral cochlear implantation. <i>Otology and Neurotology</i> , 2014 , 35, e233-9	2.6	13
17	Stapedotomy in cochlear implant candidates with far advanced otosclerosis: a systematic review of the literature and meta-analysis. <i>Otology and Neurotology</i> , 2014 , 35, 1707-14	2.6	22
16	The interpretation of speech reception threshold data in normal-hearing and hearing-impaired listeners: II. Fluctuating noise. <i>Journal of the Acoustical Society of America</i> , 2013 , 133, 3004-15	2.2	21
15	Decline in older persons' ability to recognize speech in noise: the influence of demographic, health-related, environmental, and cognitive factors. <i>Ear and Hearing</i> , 2013 , 34, 722-32	3.4	28
14	The digits-in-noise test: assessing auditory speech recognition abilities in noise. <i>Journal of the Acoustical Society of America</i> , 2013 , 133, 1693-706	2.2	104
13	Telephone screening tests for functionally impaired hearing: current use in seven countries and development of a US version. <i>Journal of the American Academy of Audiology</i> , 2012 , 23, 757-67	1.3	71

12	Decision making in advanced otosclerosis: an evidence-based strategy. <i>Laryngoscope</i> , 2011 , 121, 1935-41	3.6	35
11	Prospective effects of hearing status on loneliness and depression in older persons: identification of subgroups. <i>International Journal of Audiology</i> , 2011 , 50, 887-96	2.6	107
10	The interpretation of speech reception threshold data in normal-hearing and hearing-impaired listeners: steady-state noise. <i>Journal of the Acoustical Society of America</i> , 2011 , 130, 2987-98	2.2	27
9	Effects of coarticulation, prosody, and noise freshness on the intelligibility of digit triplets in noise. <i>Journal of the American Academy of Audiology</i> , 2011 , 22, 215-21	1.3	10
8	The association between hearing status and psychosocial health before the age of 70 years: results from an internet-based national survey on hearing. <i>Ear and Hearing</i> , 2009 , 30, 302-12	3.4	101
7	Recognition of digits in different types of noise by normal-hearing and hearing-impaired listeners. <i>International Journal of Audiology</i> , 2007 , 46, 134-44	2.6	23
6	Permanent unilateral hearing loss after radiotherapy for parotid gland tumors. <i>Head and Neck</i> , 2006 , 28, 902-8	4.2	29
5	Measurements and calculations on the simple up-down adaptive procedure for speech-in-noise tests. <i>Journal of the Acoustical Society of America</i> , 2006 , 120, 1608-21	2.2	36
4	Assessment of hearing in very young children receiving carboplatin for retinoblastoma. <i>European Journal of Cancer</i> , 2006 , 42, 492-500	7.5	47
3	Speech reception thresholds in noise and self-reported hearing disability in a general adult population. <i>Ear and Hearing</i> , 2006 , 27, 538-49	3.4	51
2	Results from the Dutch speech-in-noise screening test by telephone. <i>Ear and Hearing</i> , 2005 , 26, 89-95	3.4	63
1	Development and validation of an automatic speech-in-noise screening test by telephone. <i>International Journal of Audiology</i> , 2004 , 43, 15-28	2.6	259