Jan Wouters

List of Publications by Year
in descending order

354 papers	12,014 citations	22153 59 h-index	49909 87 g-index
367 all docs	367 docs citations	367 times ranked	5533 citing authors

#	Article	IF	Citations
1	Intact But Less Accessible Phonetic Representations in Adults with Dyslexia. Science, 2013, 342, 1251-1254.	12.6	352
2	A qualitative and quantitative review of diffusion tensor imaging studies in reading and dyslexia. Neuroscience and Biobehavioral Reviews, 2012, 36, 1532-1552.	6.1	281
3	A tractography study in dyslexia: neuroanatomic correlates of orthographic, phonological and speech processing. Brain, 2012, 135, 935-948.	7.6	261
4	APEX 3: a multi-purpose test platform for auditory psychophysical experiments. Journal of Neuroscience Methods, 2008, 172, 283-293.	2.5	203
5	LIST and LINT: Sentences and numbers for quantifying speech understanding in severely impaired listeners for Flanders and the Netherlands. International Journal of Audiology, 2008, 47, 348-355.	1.7	182
6	Speech Intelligibility Predicted from Neural Entrainment of the Speech Envelope. JARO - Journal of the Association for Research in Otolaryngology, 2018, 19, 181-191.	1.8	182
7	Predictors of Spoken Language Development Following Pediatric Cochlear Implantation. Ear and Hearing, 2012, 33, 617-639.	2.1	167
8	Horizontal localization with bilateral hearing aids: Without is better than with. Journal of the Acoustical Society of America, 2006, 119, 515-526.	1.1	144
9	Preschool impairments in auditory processing and speech perception uniquely predict future reading problems. Research in Developmental Disabilities, 2011, 32, 560-570.	2.2	141
10	Modelling relations between sensory processing, speech perception, orthographic and phonological ability, and literacy achievement. Brain and Language, 2008, 106, 29-40.	1.6	140
11	Coding of the fundamental frequency in continuous interleaved sampling processors for cochlear implants. Journal of the Acoustical Society of America, 2001, 109, 713-726.	1.1	139
12	Speech Understanding in Background Noise with the Two-Microphone Adaptive Beamformer BEAMâ„¢ in the Nucleus Freedomâ„¢ Cochlear Implant System. Ear and Hearing, 2007, 28, 62-72.	2.1	139
13	Auditory processing, speech perception and phonological ability in pre-school children at high-risk for dyslexia: A longitudinal study of the auditory temporal processing theory. Neuropsychologia, 2007, 45, 1608-1620.	1.6	132
14	Expressive vocabulary, morphology, syntax and narrative skills in profoundly deaf children after early cochlear implantation. Research in Developmental Disabilities, 2013, 34, 2008-2022.	2.2	125
15	Frequency-domain criterion for the speech distortion weighted multichannel Wiener filter for robust noise reduction. Speech Communication, 2007, 49, 636-656.	2.8	123
16	Multicenter evaluation of signal enhancement algorithms for hearing aids. Journal of the Acoustical Society of America, 2010, 127, 1491-1505.	1.1	119
17	Sound Coding in Cochlear Implants: From electric pulses to hearing. IEEE Signal Processing Magazine, 2015, 32, 67-80.	5.6	116
18	Adults with dyslexia are impaired in categorizing speech and nonspeech sounds on the basis of temporal cues. Proceedings of the National Academy of Sciences of the United States of America, 2010, 107, 10389-10394.	7.1	111

#	Article	IF	Citations
19	Effect of Pediatric Bilateral Cochlear Implantation on Language Development. JAMA Pediatrics, 2012, 166, 28.	3.0	110
20	A DTI tractography study in pre-readers at risk for dyslexia. Developmental Cognitive Neuroscience, 2015, 14, 8-15.	4.0	108
21	Speech Recognition in Noise for Cochlear Implantees with a Two-Microphone Monaural Adaptive Noise Reduction System. Ear and Hearing, 2001, 22, 420-430.	2.1	107
22	Binaural Noise Reduction Algorithms for Hearing Aids That Preserve Interaural Time Delay Cues. IEEE Transactions on Signal Processing, 2007, 55, 1579-1585.	5.3	107
23	Speech enhancement with multichannel Wiener filter techniques in multimicrophone binaural hearing aids. Journal of the Acoustical Society of America, 2009, 125, 360-371.	1.1	106
24	Theoretical Analysis of Binaural Multimicrophone Noise Reduction Techniques. IEEE Transactions on Audio Speech and Language Processing, 2010, 18, 342-355.	3.2	106
25	Asymmetric Pulses in Cochlear Implants: Effects of Pulse Shape, Polarity, and Rate. JARO - Journal of the Association for Research in Otolaryngology, 2006, 7, 253-266.	1.8	104
26	Improved Music Perception with Explicit Pitch Coding in Cochlear Implants. Audiology and Neuro-Otology, 2006, 11, 38-52.	1.3	104
27	Comparison of three types of French speech-in-noise tests: A multi-center study. International Journal of Audiology, 2012, 51, 164-173.	1.7	104
28	Higher Sensitivity of Human Auditory Nerve Fibers to Positive Electrical Currents. JARO - Journal of the Association for Research in Otolaryngology, 2008, 9, 241-251.	1.8	103
29	Towards a further characterization of phonological and literacy problems in Dutchâ€speaking children with dyslexia. British Journal of Developmental Psychology, 2010, 28, 5-31.	1.7	103
30	Low-rank Approximation Based Multichannel Wiener Filter Algorithms for Noise Reduction with Application in Cochlear Implants. IEEE/ACM Transactions on Audio Speech and Language Processing, 2014, 22, 785-799.	5.8	102
31	Reduced-Bandwidth and Distributed MWF-Based Noise Reduction Algorithms for Binaural Hearing Aids. IEEE Transactions on Audio Speech and Language Processing, 2009, 17, 38-51.	3.2	95
32	Psychophysical evidence for a general temporal processing deficit in children with dyslexia. NeuroReport, 2001, 12, 3603-3607.	1.2	94
33	Objective assessment of frequency-specific hearing thresholds in babies. International Journal of Pediatric Otorhinolaryngology, 2004, 68, 915-926.	1.0	94
34	Sound Localization, Sound Lateralization, and Binaural Masking Level Differences in Young Children with Normal Hearing. Ear and Hearing, 2009, 30, 178-190.	2.1	94
35	Earlier Intervention Leads to Better Sound Localization in Children with Bilateral Cochlear Implants. Audiology and Neuro-Otology, 2010, 15, 7-17.	1.3	89
36	The French digit triplet test: A hearing screening tool for speech intelligibility in noise. International Journal of Audiology, 2010, 49, 378-387.	1.7	87

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37	Impairments in speech and nonspeech sound categorization in children with dyslexia are driven by temporal processing difficulties. Research in Developmental Disabilities, 2011, 32, 593-603.	2.2	87
38	Temporal pitch mechanisms in acoustic and electric hearing. Journal of the Acoustical Society of America, 2002, 112, 621-633.	1.1	85
39	Adaptive feedback cancellation in hearing aids. Journal of the Franklin Institute, 2006, 343, 545-573.	3.4	84
40	Clinical Application of Dichotic Multiple-Stimulus Auditory Steady-State Responses in High-Risk Newborns and Young Children. Audiology and Neuro-Otology, 2006, 11, 24-37.	1.3	83
41	Unilateral congenital hearing loss in children: Challenges and potentials. Hearing Research, 2019, 372, 29-41.	2.0	81
42	Aging Affects Neural Synchronization to Speech-Related Acoustic Modulations. Frontiers in Aging Neuroscience, 2016, 8, 133.	3.4	80
43	European Bilateral Pediatric Cochlear Implant Forum Consensus Statement. Otology and Neurotology, 2012, 33, 561-565.	1.3	79
44	Spatial Speech Perception Benefits in Young Children With Normal Hearing and Cochlear Implants. Ear and Hearing, 2010, 31, 702-713.	2.1	79
45	Auditory temporal information processing in preschool children at family risk for dyslexia: Relations with phonological abilities and developing literacy skills. Brain and Language, 2006, 97, 64-79.	1.6	78
46	An adaptive noise canceller for hearing aids using two nearby microphones. Journal of the Acoustical Society of America, 1998, 103, 3621-3626.	1.1	77
47	Performance Analysis of Multichannel Wiener Filter-Based Noise Reduction in Hearing Aids Under Second Order Statistics Estimation Errors. IEEE Transactions on Audio Speech and Language Processing, 2011, 19, 1368-1381.	3.2	75
48	Coherent Motion Sensitivity and Reading Development in the Transition From Prereading to Reading Stage. Child Development, 2011, 82, 854-869.	3.0	74
49	Early dynamics of white matter deficits in children developing dyslexia. Developmental Cognitive Neuroscience, 2017, 27, 69-77.	4.0	73
50	Electrically Evoked Auditory Steady State Responses in Cochlear Implant Users. JARO - Journal of the Association for Research in Otolaryngology, 2010, 11, 267-282.	1.8	72
51	Masked speech perception across the adult lifespan: Impact of age and hearing impairment. Hearing Research, 2017, 344, 109-124.	2.0	71
52	Relative contributions of temporal and place pitch cues to fundamental frequency discrimination in cochlear implantees. Journal of the Acoustical Society of America, 2004, 116, 3606-3619.	1.1	70
53	Spatiotemporal reconstruction of auditory steady-state responses to acoustic amplitude modulations: Potential sources beyond the auditory pathway. NeuroImage, 2017, 148, 240-253.	4.2	70
54	Acoustic analysis of tracheo-oesophageal versus oesophageal speech. Journal of Laryngology and Otology, 1994, 108, 325-328.	0.8	69

#	ARTICLE	IF	CITATIONS
55	Polarity effects on neural responses of the electrically stimulated auditory nerve at different cochlear sites. Hearing Research, 2010, 269, 146-161.	2.0	69
56	Evaluation of Middle Ear Function in Young Children. Otology and Neurotology, 2007, 28, 727-732.	1.3	68
57	Speech perception in preschoolers at family risk for dyslexia: Relations with low-level auditory processing and phonological ability. Brain and Language, 2007, 101, 19-30.	1.6	67
58	Diffusion Tensor Imaging and Resting-State Functional MRI-Scanning in 5- and 6-Year-Old Children: Training Protocol and Motion Assessment. PLoS ONE, 2014, 9, e94019.	2.5	66
59	What can we expect of normally-developing children implanted at a young age with respect to their auditory, linguistic and cognitive skills?. Hearing Research, 2015, 322, 171-179.	2.0	66
60	International Collegium of Rehabilitative Audiology (ICRA) recommendations for the construction of multilingual speech tests. International Journal of Audiology, 2015, 54, 17-22.	1.7	64
61	Sound source localization using hearing aids with microphones placed behind-the-ear, in-the-canal, and in-the-pinna. International Journal of Audiology, 2011, 50, 164-176.	1.7	63
62	Morphological Awareness and Its Role in Compensation in Adults with Dyslexia. Dyslexia, 2015, 21, 254-272.	1.5	63
63	Effect of inter-phase gap on the sensitivity of cochlear implant users to electrical stimulation. Hearing Research, 2005, 205, 210-224.	2.0	62
64	Reduced sensitivity to slow-rate dynamic auditory information in children with dyslexia. Research in Developmental Disabilities, 2011, 32, 2810-2819.	2.2	62
65	Hearing assessment by recording multiple auditory steady-state responses: the influence of test duration. International Journal of Audiology, 2004, 43, 471-478.	1.7	60
66	Comparison of fluctuating maskers for speech recognition tests. International Journal of Audiology, 2011, 50, 2-13.	1.7	59
67	Anisotropic Alpha Emission from On-Line-Separated Isotopes. Physical Review Letters, 1986, 56, 1901-1904.	7.8	58
68	A flexible auditory research platform using acoustic or electric stimuli for adults and young children. Journal of Neuroscience Methods, 2005, 142, 131-136.	2.5	58
69	The effect of multimicrophone noise reduction systems on sound source localization by users of binaural hearing aids. Journal of the Acoustical Society of America, 2008, 124, 484-497.	1.1	58
70	Better place-coding of the fundamental frequency in cochlear implants. Journal of the Acoustical Society of America, 2004, 115, 844-852.	1.1	57
71	Hemispheric Asymmetry in Auditory Processing of Speech Envelope Modulations in Prereading Children. Journal of Neuroscience, 2014, 34, 1523-1529.	3.6	57
72	Natural Vowel and Consonant Recognition by Laura Cochlear Implantees. Ear and Hearing, 1999, 20, 89-103.	2.1	55

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73	Robustness analysis of multichannel Wiener filtering and generalized sidelobe cancellation for multimicrophone noise reduction in hearing aid applications. IEEE Transactions on Speech and Audio Processing, 2005, 13, 487-503.	1.5	55
74	Auditory Steady State Cortical Responses Indicate Deviant Phonemic-Rate Processing in Adults With Dyslexia. Ear and Hearing, 2012, 33, 134-143.	2.1	55
75	Sensitivity to Interaural Time Differences with Combined Cochlear Implant and Acoustic Stimulation. JARO - Journal of the Association for Research in Otolaryngology, 2009, 10, 131-141.	1.8	53
76	Hearing benefits of second-side cochlear implantation in two groups of children. International Journal of Pediatric Otorhinolaryngology, 2007, 71, 1855-1863.	1.0	52
77	The Polarity Sensitivity of the Electrically Stimulated Human Auditory Nerve Measured at the Level of the Brainstem. JARO - Journal of the Association for Research in Otolaryngology, 2013, 14, 359-377.	1.8	52
78	Development of Reading and Phonological Skills of Children at Family Risk for Dyslexia: A Longitudinal Analysis from Kindergarten to Sixth Grade. Dyslexia, 2014, 20, 305-329.	1.5	52
79	Enhancing the speech envelope of continuous interleaved sampling processors for cochlear implants. Journal of the Acoustical Society of America, 1999, 105, 2476-2484.	1.1	51
80	Alternative pulse shapes in electrical hearing. Hearing Research, 2008, 242, 154-163.	2.0	50
81	White matter lateralization and interhemispheric coherence to auditory modulations in normal reading and dyslexic adults. Neuropsychologia, 2013, 51, 2087-2099.	1.6	49
82	Improved Electrically Evoked Auditory Steady-State Response Thresholds in Humans. JARO - Journal of the Association for Research in Otolaryngology, 2012, 13, 573-589.	1.8	48
83	Atypical neural synchronization to speech envelope modulations in dyslexia. Brain and Language, 2017, 164, 106-117.	1.6	48
84	Perception of across-frequency interaural level differences. Journal of the Acoustical Society of America, 2007, 122, 2826-2831.	1.1	47
85	Source analysis of auditory steady-state responses in acoustic and electric hearing. NeuroImage, 2017, 147, 568-576.	4.2	47
86	Improved fundamental frequency coding in cochlear implant signal processing. Journal of the Acoustical Society of America, 2009, 125, 2260-2271.	1.1	45
87	Music mixing preferences of cochlear implant recipients: A pilot study. International Journal of Audiology, 2014, 53, 294-301.	1.7	44
88	Neural organization of ventral white matter tracts parallels the initial steps of reading development: A DTI tractography study. Brain and Language, 2018, 183, 32-40.	1.6	44
89	Speech Intelligibility in Noisy Environments with One- and Two-microphone Hearing Aids. International Journal of Audiology, 1999, 38, 91-98.	1.7	43
90	The Potential for Speech Intelligibility Improvement Using the Ideal Binary Mask and the Ideal Wiener Filter in Single Channel Noise Reduction Systems: Application to Auditory Prostheses. IEEE Transactions on Audio Speech and Language Processing, 2013, 21, 63-72.	3.2	43

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91	Efficient Hearing Screening in Noise-Exposed Listeners Using the Digit Triplet Test. Ear and Hearing, 2013, 34, 773-778.	2.1	43
92	Comparison of MASTER and AUDERA for measurement of auditory steady-state responses ComparaciÃ³n de MASTER y AUDERA para la mediciÃ³n de las respuestas auditivas de estado estable. International Journal of Audiology, 2005, 44, 244-253.	1.7	42
93	HearCom: Hearing in the Communication Society. Acta Acustica United With Acustica, 2011, 97, 175-192.	0.8	42
94	Effects of waveform shape on human sensitivity to electrical stimulation of the inner ear. Hearing Research, 2005, 200, 73-86.	2.0	41
95	A longitudinal study investigating neural processing of speech envelope modulation rates in children with (a family risk for) dyslexia. Cortex, 2017, 93, 206-219.	2.4	41
96	Factors affecting the use of noise-band vocoders as acoustic models for pitch perception in cochlear implants. Journal of the Acoustical Society of America, 2006, 119, 491-506.	1.1	40
97	Sensitivity to Interaural Level Difference and Loudness Growth with Bilateral Bimodal Stimulation. Audiology and Neuro-Otology, 2008, 13, 309-319.	1.3	40
98	Singleâ€sided deafness affects language and auditory development â€" a caseâ€"control study. Clinical Otolaryngology, 2017, 42, 979-987.	1.2	40
99	Do prereadersâ€™ auditory processing and speech perception predict later literacy?. Research in Developmental Disabilities, 2017, 70, 138-151.	2.2	40
100	Speech Distortion Weighted Multichannel Wiener Filtering Techniques for Noise Reduction. , 2005, , 199-228.		40
101	Disentangling the relation between left temporoparietal white matter and reading: A spherical deconvolution tractography study. Human Brain Mapping, 2015, 36, 3273-3287.	3.6	39
102	Auditory steady-state responses in cochlear implant users: Effect of modulation frequency and stimulation artifacts. Hearing Research, 2016, 335, 149-160.	2.0	39
103	On-line nuclear orientation of Au isotopes at KOOL. Hyperfine Interactions, 1985, 22, 507-525.	0.5	38
104	Hemispheric Asymmetry of Auditory Steady-State Responses to Monaural and Diotic Stimulation. JARO - Journal of the Association for Research in Otolaryngology, 2012, 13, 867-876.	1.8	38
105	Three-Year Postimplantation Auditory Outcomes in Children with Sequential Bilateral Cochlear Implantation. Annals of Otology, Rhinology and Laryngology, 2009, 118, 336-344.	1.1	37
106	Acoustic Hearing Implants for Mixed Hearing Loss. Otology and Neurotology, 2013, 34, 1201-1209.	1.3	37
107	The relationship of phonological ability, speech perception, and auditory perception in adults with dyslexia. Frontiers in Human Neuroscience, 2014, 8, 482.	2.0	37
108	The association between hearing impairment and neural envelope encoding at different ages. Neurobiology of Aging, 2019, 74, 202-212.	3.1	36

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109	Brain activity patterns of phonemic representations are atypical in beginning readers with family risk for dyslexia. Developmental Science, 2020, 23, e12857.	2.4	36
110	The digit triplet test: a scoping review. International Journal of Audiology, 2021, 60, 946-963.	1.7	36
111	Perception of Mandarin Chinese with cochlear implants using enhanced temporal pitch cues. Hearing Research, 2012, 285, 1-12.	2.0	35
112	Spread of excitation varies for different electrical pulse shapes and stimulation modes in cochlear implants. Hearing Research, 2012, 290, 21-36.	2.0	35
113	Narrative spoken language skills in severely hearing impaired school-aged children with cochlear implants. Research in Developmental Disabilities, 2013, 34, 3833-3846.	2.2	35
114	Understanding the effect of noise on electrical stimulation sequences in cochlear implants and its impact on speech intelligibility. Hearing Research, 2013, 299, 79-87.	2.0	35
115	Functional outcome of sequential bilateral cochlear implantation in young children: 36 months postoperative results. International Journal of Pediatric Otorhinolaryngology, 2009, 73, 723-730.	1.0	34
116	Cortical auditory steady-state responses to low modulation rates. International Journal of Audiology, 2009, 48, 582-593.	1.7	34
117	Evaluation of feedback reduction techniques in hearing aids based on physical performance measures. Journal of the Acoustical Society of America, 2010, 128, 1245-1261.	1.1	33
118	Atypical Structural Asymmetry of the Planum Temporale is Related to Family History of Dyslexia. Cerebral Cortex, 2018, 28, 63-72.	2.9	33
119	Neural envelope encoding predicts speech perception performance for normal-hearing and hearing-impaired adults. Hearing Research, 2018, 370, 189-200.	2.0	33
120	Brain mapping of auditory steadyâ€state responses: A broad view of cortical and subcortical sources. Human Brain Mapping, 2021, 42, 780-796.	3.6	33
121	The potential of onset enhancement for increased speech intelligibility in auditory prostheses. Journal of the Acoustical Society of America, 2012, 132, 2569-2581.	1.1	32
122	FIST: A French sentence test for speech intelligibility in noise. International Journal of Audiology, 2008, 47, 373-374.	1.7	31
123	Bilateral Cochlear Implants in Children: Binaural Unmasking. Audiology and Neuro-Otology, 2009, 14, 240-247.	1.3	31
124	Theta, beta and gamma rate modulations in the developing auditory system. Hearing Research, 2015, 327, 153-162.	2.0	31
125	Ideal Timeâ€"Frequency Masking Algorithms Lead to Different Speech Intelligibility and Quality in Normal-Hearing and Cochlear Implant Listeners. IEEE Transactions on Biomedical Engineering, 2015, 62, 331-341.	4.2	31
126	Improving Auditory Steady-State Response Detection Using Independent Component Analysis on Multichannel EEG Data. IEEE Transactions on Biomedical Engineering, 2007, 54, 1220-1230.	4.2	30

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127	Threshold predictions of different pulse shapes using a human auditory nerve fibre model containing persistent sodium and slow potassium currents. Hearing Research, 2010, 269, 12-22.	2.0	30
128	Characterization of cochlear implant artifacts in electrically evoked auditory steady-state responses. Biomedical Signal Processing and Control, 2017, 31, 127-138.	5.7	30
129	Statistical Learning of Speech Sounds in Dyslexic and Typical Reading Children. Scientific Studies of Reading, 2019, 23, 116-127.	2.0	30
130	Coherent motion detection in preschool children at family risk for dyslexia. Vision Research, 2006, 46, 527-535.	1.4	29
131	Speech intelligibility improvements with hearing aids using bilateral and binaural adaptive multichannel Wiener filtering based noise reduction. Journal of the Acoustical Society of America, 2012, 131, 4743-4755.	1.1	29
132	Auditory steady-state responses as neural correlates of loudness growth. Hearing Research, 2016, 342, 58-68.	2.0	29
133	Contributions of non-primary cortical sources to auditory temporal processing. NeuroImage, 2019, 191, 303-314.	4.2	29
134	Binaural Cue Preservation for Hearing Aids using an Interaural Transfer Function Multichannel Wiener Filter. , 2007, , .		28
135	Forward-masking patterns produced by symmetric and asymmetric pulse shapes in electric hearing. Journal of the Acoustical Society of America, 2010, 127, 326-338.	1.1	28
136	School-Age Hearing Screening Based on Speech-in-Noise Perception Using the Digit Triplet Test. Ear and Hearing, 2018, 39, 1104-1115.	2.1	28
137	Speech onset enhancement improves intelligibility in adverse listening conditions for cochlear implant users. Hearing Research, 2016, 342, 13-22.	2.0	27
138	Atypical gray matter in children with dyslexia before the onset of reading instruction. Cortex, 2019, 121, 399-413.	2.4	27
139	Speech Envelope Enhancement Instantaneously Effaces Atypical Speech Perception in Dyslexia. Ear and Hearing, 2019, 40, 1242-1252.	2.1	27
140	Noise Reduction Results of an Adaptive Filtering Technique for Dual-Microphone Behind-the-Ear Hearing Aids. Ear and Hearing, 2004, 25, 215-229.	2.1	26
141	Enhancement of interaural level differences improves sound localization in bimodal hearing. Journal of the Acoustical Society of America, 2011, 130, 2817-2826.	1.1	26
142	Functional benefit of the boneâ€anchored hearing aid with different auditory profiles: objective and subjective measures. Clinical Otolaryngology, 2011, 36, 114-120.	1.2	26
143	Gap detection in single- and multiple-channel stimuli by LAURA cochlear implantees. Journal of the Acoustical Society of America, 1999, 106, 1925-1939.	1.1	25
144	SVD-Based Optimal Filtering for Noise Reduction in Dual Microphone Hearing Aids: A Real Time Implementation and Perceptual Evaluation. IEEE Transactions on Biomedical Engineering, 2005, 52, 1563-1573.	4.2	25

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145	A Dual-Process Integratorâ€“Resonator Model of the Electrically Stimulated Human Auditory Nerve. JARO - Journal of the Association for Research in Otolaryngology, 2007, 8, 84-104.	1.8	25
146	Integrated Active Noise Control and Noise Reduction in Hearing Aids. IEEE Transactions on Audio Speech and Language Processing, 2010, 18, 1137-1146.	3.2	25
147	Kalman Filter Based Estimation of Auditory Steady State Response Parameters. IEEE Transactions on Neural Systems and Rehabilitation Engineering, 2017, 25, 196-204.	4.9	25
148	The influences and outcomes of phonological awareness: a study of <scp>MA</scp>,<scp> PA</scp> and auditory processing in preâ€readers with a family risk of dyslexia. Developmental Science, 2017, 20, e12453.	2.4	25
149	Atypical neural processing of rise time by adults with dyslexia. Cortex, 2019, 113, 128-140.	2.4	25
150	Effects of pulse rate on thresholds and loudness of biphasic and alternating monophasic pulse trains in electrical hearing. Hearing Research, 2006, 220, 49-60.	2.0	24
151	The Influence of the Detection Paradigm in Recording Auditory Steady-State Responses. Ear and Hearing, 2008, 29, 638-650.	2.1	24
152	Subjective Benefits of Sequential Bilateral Cochlear Implantation in Young Children after 18 Months of Implant Use. Orl, 2009, 71, 112-121.	1.1	24
153	Speech Understanding Performance of Cochlear Implant Subjects Using Timeâ€“Frequency Masking-Based Noise Reduction. IEEE Transactions on Biomedical Engineering, 2012, 59, 1364-1373.	4.2	24
154	Multichannel Place Pitch Sensitivity in Cochlear Implant Recipients. JARO - Journal of the Association for Research in Otolaryngology, 2004, 5, 285-294.	1.8	23
155	Perceptual validation of virtual room acoustics: Sound localisation and speech understanding. Applied Acoustics, 2011, 72, 196-204.	3.3	23
156	Exploring the sensitivity of speech-in-noise tests for noise-induced hearing loss. International Journal of Audiology, 2014, 53, 199-205.	1.7	23
157	DYSL-X: Design of a tablet game for early risk detection of dyslexia in preschoolers. , 2013, , 257-266.		23
158	Adaptive noise suppression for a dual-microphone hearing aid: SupresiÃ³n adaptativa del ruido para un auxiliar auditivo con micrÃ³fono dual. International Journal of Audiology, 2002, 41, 401-407.	1.7	22
159	Speech perception with F0mod, a cochlear implant pitch coding strategy. International Journal of Audiology, 2015, 54, 424-432.	1.7	22
160	Assessing temporal modulation sensitivity using electrically evoked auditory steady state responses. Hearing Research, 2015, 324, 37-45.	2.0	22
161	Binaural Interaction Effects of 30â€“50 Hz Auditory Steady State Responses. Ear and Hearing, 2017, 38, e305-e315.	2.1	22
162	Neural Modulation Transmission Is a Marker for Speech Perception in Noise in Cochlear Implant Users. Ear and Hearing, 2020, 41, 591-602.	2.1	22

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163	Pitch of amplitude-modulated irregular-rate stimuli in acoustic and electric hearing. Journal of the Acoustical Society of America, 2003, 114, 1516-1528.	1.1	21
164	Internal field distribution on Au in the Au-Fe system in the limit of very small concentration. Physical Review B, 1986, 34, 2014-2017.	3.2	20
165	Sensitivity of Bimodal Listeners to Interaural Time Differences with Modulated Single- and Multiple-Channel Stimuli. Audiology and Neuro-Otology, 2011, 16, 82-92.	1.3	20
166	A Stereo Music Preprocessing Scheme for Cochlear Implant Users. IEEE Transactions on Biomedical Engineering, 2015, 62, 2434-2442.	4.2	20
167	Adaptive Feedback Cancellation Using a Partitioned-Block Frequency-Domain Kalman Filter Approach With PEM-Based Signal Prewhitening. IEEE/ACM Transactions on Audio Speech and Language Processing, 2017, 25, 1784-1798.	5.8	20
168	Better Speech Perception in Noise With an Assistive Multimicrophone Array for Hearing Aids. Ear and Hearing, 2004, 25, 411-420.	2.1	19
169	Incorporating the Conditional Speech Presence Probability in Multi-Channel Wiener Filter Based Noise Reduction in Hearing Aids. Eurasip Journal on Advances in Signal Processing, 2009, 2009, .	1.7	19
170	Grapheme-Phoneme Learning in an Unknown Orthography: A Study in Typical Reading and Dyslexic Children. Frontiers in Psychology, 2018, 9, 1393.	2.1	19
171	Electrophysiological assessment of temporal envelope processing in cochlear implant users. Scientific Reports, 2020, 10, 15406.	3.3	19
172	DIESEL-X: A Game-Based Tool for Early Risk Detection of Dyslexia in Preschoolers. , 2015, , 93-114.		19
173	Preservation of Interaural Time Delay for Binaural Hearing Aids Through Multi-Channel Wiener Filtering Based Noise Reduction. , 0, , .		18
174	Sound Processing for Better Coding of Monaural and Binaural Cues in Auditory Prostheses. Proceedings of the IEEE, 2013, 101, 1986-1997.	21.3	18
175	Modulation Enhancement in the Electrical Signal Improves Perception of Interaural Time Differences with Bimodal Stimulation. JARO - Journal of the Association for Research in Otolaryngology, 2014, 15, 633-647.	1.8	18
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