Birger Kollmeier

List of Publications by Year
in descending order

174	6,853	81900 39	76900 74
papers	citations	h-index	g-index

188	188	188	2796
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Modeling auditory processing of amplitude modulation. I. Detection and masking with narrow-band carriers. Journal of the Acoustical Society of America, 1997, 102, 2892-2905.	1.1	513
2	Efficient adaptive procedures for threshold and concurrent slope estimates for psychophysics and speech intelligibility tests. Journal of the Acoustical Society of America, 2002, 111, 2801-2810.	1.1	324
3	Modeling auditory processing of amplitude modulation. II. Spectral and temporal integration. Journal of the Acoustical Society of America, 1997, 102, 2906-2919.	1.1	288
4	Development and analysis of an International Speech Test Signal (ISTS). International Journal of Audiology, 2010, 49, 891-903.	1.7	275
5	Auditory brainstem responses with optimized chirp signals compensating basilar-membrane dispersion. Journal of the Acoustical Society of America, 2000, 107, 1530-1540.	1.1	274
6	Development and evaluation of a German sentence test for objective and subjective speech intelligibility assessment. Journal of the Acoustical Society of America, 1997, 102, 2412-2421.	1.1	230
7	The multilingual matrix test: Principles, applications, and comparison across languages: A review. International Journal of Audiology, 2015, 54, 3-16.	1.7	202
8	Directivity of binaural noise reduction in spatial multiple noise-source arrangements for normal and impaired listeners. Journal of the Acoustical Society of America, 1997, 101, 1660-1670.	1.1	169
9	Spectro-temporal modulation subspace-spanning filter bank features for robust automatic speech recognition. Journal of the Acoustical Society of America, 2012, 131, 4134-4151.	1.1	156
10	A model of auditory perception as front end for automatic speech recognition. Journal of the Acoustical Society of America, 1999, 106, 2040-2050.	1.1	150
11	Revision, extension, and evaluation of a binaural speech intelligibility model. Journal of the Acoustical Society of America, 2010, 127, 2479-2497.	1.1	122
12	Binaural forward and backward masking: Evidence for sluggishness in binaural detection. Journal of the Acoustical Society of America, 1990, 87, 1709-1719.	1.1	119
13	Speech intelligibility prediction in hearing-impaired listeners based on a psychoacoustically motivated perception model. Journal of the Acoustical Society of America, 1996, 100, 1703-1716.	1.1	109
14	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
15	Speech enhancement based on physiological and psychoacoustical models of modulation perception and binaural interaction. Journal of the Acoustical Society of America, 1994, 95, 1593-1602.	1.1	103
16	Adaptive staircase techniques in psychoacoustics: A comparison of human data and a mathematical model. Journal of the Acoustical Society of America, 1988, 83, 1852-1862.	1.1	95
17	Robustness of spectro-temporal features against intrinsic and extrinsic variations in automatic speech recognition. Speech Communication, 2011, 53, 753-767.	2.8	94
18	Within-channel cues in comodulation masking release (CMR): Experiments and model predictions using a modulation-filterbank model. Journal of the Acoustical Society of America, 1999, 106, 2733-2745.	1.1	90

#	Article	IF	Citations
19	Distortion product otoacoustic emission (DPOAE) input/output functions and the influence of the second DPOAE source. Journal of the Acoustical Society of America, 2004, 116, 2199-2212.	1.1	81
20	Evidence for the distortion product frequency place as a source of distortion product otoacoustic emission (DPOAE) fine structure in humans. I. Fine structure and higher-order DPOAE as a function of the frequency ratio f2/f1. Journal of the Acoustical Society of America, 1999, 106, 3473-3483.	1.1	75
21	Dichotic pitch activates pitch processing centre in Heschl's gyrus. NeuroImage, 2010, 49, 1641-1649.	4.2	71
22	Evidence for the distortion product frequency place as a source of distortion product otoacoustic emission (DPOAE) fine structure in humans. II. Fine structure for different shapes of cochlear hearing loss. Journal of the Acoustical Society of America, 1999, 106, 3484-3491.	1.1	70
23	A Spanish matrix sentence test for assessing speech reception thresholds in noise. International Journal of Audiology, 2012, 51, 536-544.	1.7	68
24	Machine learning for decoding listenersâ€™ attention from electroencephalography evoked by continuous speech. European Journal of Neuroscience, 2020, 51, 1234-1241.	2.6	67
25	Listening effort and speech intelligibility in listening situations affected by noise and reverberation. Journal of the Acoustical Society of America, 2014, 136, 2642-2653.	1.1	65
26	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
27	Internationally comparable screening tests for listening in noise in several European languages: The German digit triplet test as an optimization prototype. International Journal of Audiology, 2012, 51, 697-707.	1.7	63
28	An Italian matrix sentence test for the evaluation of speech intelligibility in noise. International Journal of Audiology, 2015, 54, 44-50.	1.7	60
29	The effect of multichannel dynamic compression on speech intelligibility. Journal of the Acoustical Society of America, 1995, 97, 1191-1195.	1.1	58
30	Fine structure of hearing threshold and loudness perception. Journal of the Acoustical Society of America, 2004, 116, 1066-1080.	1.1	58
31	Speech-in-Noise Tests for Multilingual Hearing Screening and Diagnostics1. American Journal of Audiology, 2013, 22, 175-178.	1.2	57
32	Predicting speech intelligibility with deep neural networks. Computer Speech and Language, 2018, 48, 51-66.	4.3	56
33	Binaural and monaural auditory filter bandwidths and time constants in probe tone detection experiments. Journal of the Acoustical Society of America, 1998, 104, 2412-2425.	1.1	54
34	Development and evaluation of a linguistically and audiologically controlled sentence intelligibility test. Journal of the Acoustical Society of America, 2013, 134, 3039-3056.	1.1	52
35	The role of silent intervals for sentence intelligibility in fluctuating noise in hearing-impaired listeners. International Journal of Audiology, 2006, 45, 26-33.	1.7	50
36	Prediction of the influence of reverberation on binaural speech intelligibility in noise and in quiet. Journal of the Acoustical Society of America, 2011, 130, 2999-3012.	1.1	49

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37	Effects of spatial and temporal integration of a single early reflection on speech intelligibility. Journal of the Acoustical Society of America, 2013, 133, 269-282.	1.1	48
38	Auditory brain stem responses evoked by lateralized clicks: is lateralization extracted in the human brain stem?. Hearing Research, 2002, 163, 12-26.	2.0	47
39	Separable spectro-temporal Gabor filter bank features: Reducing the complexity of robust features for automatic speech recognition. Journal of the Acoustical Society of America, 2015, 137, 2047-2059.	1.1	45
40	Matrix sentence intelligibility prediction using an automatic speech recognition system. International Journal of Audiology, 2015, 54, 100-107.	1.7	44
41	HearCom: Hearing in the Communication Society. Acta Acustica United With Acustica, 2011, 97, 175-192.	0.8	42
42	Functionality of hearing aids: state-of-the-art and future model-based solutions. International Journal of Audiology, 2018, 57, S3-S28.	1.7	39
43	Spectral loudness summation as a function of duration. Journal of the Acoustical Society of America, 2002, 111, 1349-1358.	1.1	37
44	Development and evaluation of the Turkish matrix sentence test. International Journal of Audiology, 2015, 54, 51-61.	1.7	37
45	Effect of speech-intrinsic variations on human and automatic recognition of spoken phonemes. Journal of the Acoustical Society of America, 2011, 129, 388-403.	1.1	36
46	Development of the Russian matrix sentence test. International Journal of Audiology, 2015, 54, 35-43.	1.7	36
47	Do Hearing Loss and Cognitive Function Modulate Benefit From Different Binaural Noise-Reduction Settings?. Ear and Hearing, 2014, 35, e52-e62.	2.1	35
48	Age-Related Differences in Lexical Access Relate to Speech Recognition in Noise. Frontiers in Psychology, 2016, 7, 990.	2.1	35
49	Increase and Subjective Evaluation of Feedback Stability in Hearing Aids by a Binaural Coherence-Based Noise Reduction Scheme. IEEE Transactions on Audio Speech and Language Processing, 2009, 17, 1408-1419.	3.2	34
50	Evaluation of the preliminary auditory profile test battery in an international multi-centre study. International Journal of Audiology, 2013, 52, 305-321.	1.7	34
51	The development and evaluation of the Finnish Matrix Sentence Test for speech intelligibility assessment. Acta Oto-Laryngologica, 2014, 134, 728-737.	0.9	34
52	Comparing Binaural Pre-processing Strategies I. Trends in Hearing, 2015, 19, 233121651561791.	1.3	34
53	Comparison of binaural auditory brainstem responses and the binaural difference potential evoked by chirps and clicks. Hearing Research, 2002, 169, 85-96.	2.0	33
54	An Eye-Tracking Paradigm for Analyzing the Processing Time of Sentences with Different Linguistic Complexities. PLoS ONE, 2014, 9, e100186.	2.5	33

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55	Coding of temporally fluctuating interaural timing disparities in a binaural processing model based on phase differences. Brain Research, 2008, 1220, 234-245.	2.2	32
56	Interaural delay-dependent changes in the binaural difference potential of the human auditory brain stem response. Hearing Research, 2006, 218, 5-19.	2.0	31
57	Human phoneme recognition depending on speech-intrinsic variability. Journal of the Acoustical Society of America, 2010, 128, 3126-3141.	1.1	31
58	Spectral and binaural loudness summation for hearing-impaired listeners. Hearing Research, 2016, 335, 179-192.	2.0	31
59	Auditory filter bandwidths in binaural and monaural listening conditions. Journal of the Acoustical Society of America, 1992, 92, 1889-1901.	1.1	30
60	A simulation framework for auditory discrimination experiments: Revealing the importance of across-frequency processing in speech perception. Journal of the Acoustical Society of America, 2016, 139, 2708-2722.	1.1	30
61	Modeling temporal and compressive properties of the normal and impaired auditory system. Hearing Research, 2001, 159, 132-149.	2.0	29
62	A neural circuit transforming temporal periodicity information into a rate-based representation in the mammalian auditory system. Journal of the Acoustical Society of America, 2007, 121, 310-326.	1.1	29
63	Effect of Speech Rate on Neural Tracking of Speech. Frontiers in Psychology, 2019, 10, 449.	2.1	29
64	How much does language proficiency by non-native listeners influence speech audiometric tests in noise?. International Journal of Audiology, 2015, 54, 88-99.	1.7	28
65	Influence of noise type on speech reception thresholds across four languages measured with matrix sentence tests. International Journal of Audiology, 2015, 54, 62-70.	1.7	28
66	Detection of the Acoustic Reflex below 80 dBHL. Audiology and Neuro-Otology, 1996, 1, 359-369.	1.3	27
67	Monaural speech intelligibility and detection in maskers with varying amounts of spectro-temporal speech features. Journal of the Acoustical Society of America, 2016, 140, 524-540.	1.1	27
68	Combining speech enhancement and auditory feature extraction for robust speech recognition. Speech Communication, 2001, 34, 75-91.	2.8	26
69	Spatial Acoustic Scenarios in Multichannel Loudspeaker Systems for Hearing Aid Evaluation. Journal of the American Academy of Audiology, 2016, 27, 557-566.	0.7	26
70	Sentence Recognition Prediction for Hearing-impaired Listeners in Stationary and Fluctuation Noise With FADE. Trends in Hearing, 2016, 20, 233121651665579.	1.3	26
71	Comparing human and automatic speech recognition in simple and complex acoustic scenes. Computer Speech and Language, 2018, 52, 123-140.	4.3	26
72	Modeling the effects of a single reflection on binaural speech intelligibility. Journal of the Acoustical Society of America, 2014, 135, 1556-1567.	1.1	25

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73	Event-Related Potentials Measured From In and Around the Ear Electrodes Integrated in a Live Hearing Device for Monitoring Sound Perception. Trends in Hearing, 2018, 22, 233121651878821.	1.3	25
74	On the limitations of sound localization with hearing devices. Journal of the Acoustical Society of America, 2019, 146, 1732-1744.	1.1	25
75	Extent of lateralization at large interaural time differences in simulated electric hearing and bilateral cochlear implant users. Journal of the Acoustical Society of America, 2017, 141, 2338-2352.	1.1	24
76	Chirp evoked otoacoustic emissions. Hearing Research, 1994, 79, 17-25.	2.0	23
77	Timbre discrimination in normal-hearing and hearing-impaired listeners under different noise conditions. Brain Research, 2008, 1220, 199-207.	2.2	23
78	Robust speech detection in real acoustic backgrounds with perceptually motivated features. Speech Communication, 2011, 53, 690-706.	2.8	23
79	Objective Prediction of Hearing Aid Benefit Across Listener Groups Using Machine Learning: Speech Recognition Performance With Binaural Noise-Reduction Algorithms. Trends in Hearing, 2018, 22, 233121651876895.	1.3	23
80	Construction and evaluation of the Mandarin Chinese matrix (CMNmatrix) sentence test for the assessment of speech recognition in noise. International Journal of Audiology, 2018, 57, 838-850.	1.7	23
81	Neural correlates of the precedence effect in auditory evoked potentials. Hearing Research, 2005, 205, 157-171.	2.0	22
82	Spectral loudness summation takes place in the primary auditory cortex. Human Brain Mapping, 2011, 32, 1483-1496.	3.6	22
83	Prediction of binaural speech intelligibility with frequency-dependent interaural phase differences. Journal of the Acoustical Society of America, 2009, 126, 1359-1368.	1.1	21
84	On the use of spectro-temporal features for the IEEE AASP challenge ‘detection and classification of acoustic scenes and events’. , 2013, , .		21
85	An individualised acoustically transparent earpiece for hearing devices. International Journal of Audiology, 2018, 57, S62-S70.	1.7	21
86	Characteristics and international comparability of the Finnish matrix sentence test in cochlear implant recipients. International Journal of Audiology, 2015, 54, 80-87.	1.7	20
87	Restoring Perceived Loudness for Listeners With Hearing Loss. Ear and Hearing, 2018, 39, 664-678.	2.1	20
88	Estimation of the signal-to-noise ratio with amplitude modulation spectrograms. Speech Communication, 2002, 38, 1-17.	2.8	19
89	Classifier Architectures for Acoustic Scenes and Events: Implications for DNNs, TDNNs, and Perceptual Features from DCASE 2016. IEEE/ACM Transactions on Audio Speech and Language Processing, 2017, 25, 1304-1314.	5.8	19
90	Continuous assessment of time-varying speech quality. Journal of the Acoustical Society of America, 1999, 106, 2888-2899.	1.1	18

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91	Suppression and comodulation masking release in normal-hearing and hearing-impaired listeners. Journal of the Acoustical Society of America, 2010, 128, 300-309.	1.1	18
92	Assessment of auditory nonlinearity for listeners with different hearing losses using temporal masking and categorical loudness scaling. Hearing Research, 2011, 280, 177-191.	2.0	18
93	Talker- and language-specific effects on speech intelligibility in noise assessed with bilingual talkers: Which language is more robust against noise and reverberation?. International Journal of Audiology, 2015, 54, 23-34.	1.7	18
94	Adapting Hearing Devices to the Individual Ear Acoustics: Database and Target Response Correction Functions for Various Device Styles. Trends in Hearing, 2018, 22, 233121651877931.	1.3	18
95	Individual Aided Speech-Recognition Performance and Predictions of Benefit for Listeners With Impaired Hearing Employing FADE. Trends in Hearing, 2020, 24, 233121652093892.	1.3	18
96	Effect of reverberation and noise type on speech intelligibility in real complex acoustic scenarios. Building and Environment, 2021, 204, 108137.	6.9	18
97	The effects of neural synchronization and peripheral compression on the acoustic-reflex threshold. Journal of the Acoustical Society of America, 2005, 117, 3016-3027.	1.1	17
98	Adaptive separation of acoustic sources for anechoic conditions: A constrained frequency domain approach. Speech Communication, 2003, 39, 79-95.	2.8	16
99	Prediction of consonant recognition in quiet for listeners with normal and impaired hearing using an auditory model. Journal of the Acoustical Society of America, 2014, 135, 1506-1517.	1.1	16
100	Binaural masking release in symmetric listening conditions with spectro-temporally modulated maskers. Journal of the Acoustical Society of America, 2017, 142, 12-28.	1.1	16
101	Comparing Eye Tracking with Electrooculography for Measuring Individual Sentence Comprehension Duration. PLoS ONE, 2016, 11, e0164627.	2.5	15
102	Multi-Channel Speech Enhancement and Amplitude Modulation Analysis for Noise Robust Automatic Speech Recognition. Computer Speech and Language, 2017, 46, 558-573.	4.3	14
103	Direction of arrival estimation based on the dual delay line approach for binaural hearing aid microphone arrays. , 2007, , .		13
104	The role of across-frequency processes in dichotic listening conditions. Journal of the Acoustical Society of America, 2009, 126, 3188-3198.	1.1	13
105	Intelligibility of time-compressed speech: The effect of uniform versus non-uniform time-compression algorithms. Journal of the Acoustical Society of America, 2014, 135, 1541-1555.	1.1	13
106	Removing Reflections in Semianechoic Impulse Responses by Frequency-Dependent Truncation. AES: Journal of the Audio Engineering Society, 2018, 66, 146-153.	1.0	13
107	Are Experienced Hearing Aid Users Faster at Grasping the Meaning of a Sentence Than Inexperienced Users? An Eye-Tracking Study. Trends in Hearing, 2016, 20, 233121651666096.	1.3	12
108	Modifications of the MUlti stimulus test with Hidden Reference and Anchor (MUSHRA) for use in audiology. International Journal of Audiology, 2018, 57, S92-S104.	1.7	12

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109	Joint Estimation of Reverberation Time and Early-To-Late Reverberation Ratio From Single-Channel Speech Signals. IEEE/ACM Transactions on Audio Speech and Language Processing, 2019, 27, 255-267.	5.8	12
110	The influence of externalization and spatial cues on the generation of auditory brainstem responses and middle latency responses. Hearing Research, 2007, 225, 91-104.	2.0	11
111	Auditory Model-Based Dynamic Compression Controlled by Subband Instantaneous Frequency and Speech Presence Probability Estimates. IEEE/ACM Transactions on Audio Speech and Language Processing, 2016, 24, 1759-1772.	5.8	11
112	Normal and Time-Compressed Speech. Trends in Hearing, 2016, 20, 233121651666988.	1.3	11
113	Exploring Auditory-Inspired Acoustic Features for Room Acoustic Parameter Estimation From Monaural Speech. IEEE/ACM Transactions on Audio Speech and Language Processing, 2018, 26, 1809-1820.	5.8	11
114	Prediction of individual speech recognition performance in complex listening conditions. Journal of the Acoustical Society of America, 2020, 147, 1379-1391.	1.1	11
115	Evaluation of Italian Simplified Matrix Test for Speech-Recognition Measurements in Noise. Audiology Research, 2021, 11, 73-88.	1.8	11
116	The development and evaluation of the Finnish digit triplet test. Acta Oto-Laryngologica, 2016, 136, 1035-1040.	0.9	10
117	Relations between notched-noise suppressed TEOAE and the psychoacoustical critical bandwidth. Journal of the Acoustical Society of America, 1997, 101, 2778-2788.	1.1	9
118	Electrophysiological and psychophysical asymmetries in sensitivity to interaural correlation steps. Hearing Research, 2009, 256, 39-57.	2.0	9
119	Hearing aid fitting and fine-tuning based on estimated individual traits. International Journal of Audiology, 2018, 57, S139-S145.	1.7	9
120	Comparison of single-microphone noise reduction schemes: can hearing impaired listeners tell the difference?. International Journal of Audiology, 2018, 57, S55-S61.	1.7	9
121	Spectral directional cues captured by hearing device microphones in individual human ears. Journal of the Acoustical Society of America, 2018, 144, 2072-2087.	1.1	9
122	Common Audiological Functional Parameters (CAFPAs): statistical and compact representation of rehabilitative audiological classification based on expert knowledge. International Journal of Audiology, 2019, 58, 231-245.	1.7	9
123	A model of speech recognition for hearing-impaired listeners based on deep learning. Journal of the Acoustical Society of America, 2022, 151, 1417-1427.	1.1	9
124	Narrowband stimulation and synchronization of otoacoustic emissions. Hearing Research, 1994, 78, 210-220.	2.0	8
125	Objective perceptual quality assessment for self-steering binaural hearing aid microphone arrays. Proceedings of the IEEE International Conference on Acoustics, Speech, and Signal Processing, 2008, , .	1.8	8
126	Robust auditory localization using probabilistic inference and coherence-based weighting of interaural cues. Journal of the Acoustical Society of America, 2015, 138, 2635-2648.	1.1	8

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127	Reduction of stimulation coherent artifacts in electrically evoked auditory brainstem responses. Biomedical Signal Processing and Control, 2015, 21, 74-81.	5.7	8
128	Physiological motivated transmission-lines as front end for loudness models. Journal of the Acoustical Society of America, 2016, 139, 2896-2910.	1.1	8
129	Physiologically motivated individual loudness model for normal hearing and hearing impaired listeners. Journal of the Acoustical Society of America, 2018, 144, 917-930.	1.1	8
130	Simulations with FADE of the effect of impaired hearing on speech recognition performance cast doubt on the role of spectral resolution. Hearing Research, 2020, 395, 107995.	2.0	8
131	Modeling Binaural Unmasking of Speech Using a Blind Binaural Processing Stage. Trends in Hearing, 2020, 24, 233121652097563.	1.3	8
132	Speech perception at positive signal-to-noise ratios using adaptive adjustment of time compression. Journal of the Acoustical Society of America, 2015, 138, 3320-3331.	1.1	7
133	Combining Binaural and Cortical Features for Robust Speech Recognition. IEEE/ACM Transactions on Audio Speech and Language Processing, 2017, 25, 756-767.	5.8	7
134	Speech Audiometry at Home: Automated Listening Tests via Smart Speakers With Normal-Hearing and Hearing-Impaired Listeners. Trends in Hearing, 2020, 24, 233121652097001.	1.3	7
135	Common Audiological Functional Parameters (CAFPAs) for single patient cases: deriving statistical models from an expert-labelled data set. International Journal of Audiology, 2020, 59, 534-547.	1.7	7
136	Neural Representation of Loudness: Cortical Evoked Potentials in an Induced Loudness Reduction Experiment. Trends in Hearing, 2020, 24, 233121651990059.	1.3	7
137	Prediction of speech intelligibility with DNN-based performance measures. Computer Speech and Language, 2022, 74, 101329.	4.3	7
138	Evaluation of an automated speech-controlled listening test with spontaneous and read responses. Speech Communication, 2018, 98, 85-94.	2.8	6
139	Acoustic and perceptual effects of magnifying interaural difference cues in a simulated â€œbinauralâ€• hearing aid. International Journal of Audiology, 2018, 57, S81-S91.	1.7	6
140	Predicting Common Audiological Functional Parameters (CAFPAs) as Interpretable Intermediate Representation in a Clinical Decision-Support System for Audiology. Frontiers in Digital Health, 2020, 2, 596433.	2.8	6
141	The Hearpiece database of individual transfer functions of an in-the-ear earpiece for hearing device research. Acta Acustica, 2021, 5, 2.	1.0	6
142	Interaction of otoacoustic emissions with additional tones: suppression or synchronization?. Hearing Research, 1997, 103, 19-27.	2.0	5
143	Dipole source analysis of auditory brain stem responses evoked by lateralized clicks. Zeitschrift Fur Medizinische Physik, 2003, 13, 75-83.	1.5	5
144	An interaural electrode pairing clinical research system for bilateral cochlear implants. , 2014, , .		5

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145	Application of psychophysical models for audibility prediction of technical signals in real-world background noise. Applied Acoustics, 2015, 88, 44-51.	3.3	5
146	Clinical validation of the Russian Matrix test â€“ effect of hearing loss, age, and noise level. International Journal of Audiology, 2020, 59, 930-940.	1.7	5
147	Sensitivity and specificity of automatic audiological classification using expert-labelled audiological data and Common Audiological Functional Parameters. International Journal of Audiology, 2021, 60, 16-26.	1.7	5
148	ON THE FOUR FACTORS INVOLVED IN SENSORINEURAL HEARING LOSS. , 1999, , 211-218.		5
149	Development and Evaluation of the Russian Digit Triplet Test. Acta Acustica United With Acustica, 2016, 102, 714-724.	0.8	5
150	Potential Consequences of Spectral and Binaural Loudness Summation for Bilateral Hearing Aid Fitting. Trends in Hearing, 2018, 22, 233121651880569.	1.3	4
151	Measurement and Prediction of Binaural-Temporal Integration of Speech Reflections. Trends in Hearing, 2019, 23, 233121651985426.	1.3	4
152	Uni- and bilateral spectral loudness summation and binaural loudness summation with loudness matching and categorical loudness scaling. International Journal of Audiology, 2021, 60, 350-358.	1.7	4
153	DARF: A data-reduced FADE version for simulations of speech recognition thresholds with real hearing aids. Hearing Research, 2021, 404, 108217.	2.0	4
154	Inference of the distortion component of hearing impairment from speech recognition by predicting the effect of the attenuation component. International Journal of Audiology, 2022, 61, 205-219.	1.7	4
155	The Influence of High-Frequency Envelope Information on Low-Frequency Vowel Identification in Noise. PLoS ONE, 2016, 11, e0145610.	2.5	4
156	Diagnosing and Screening in a Minority Language: A Validation Study. American Journal of Audiology, 2017, 26, 369-372.	1.2	3
157	Binaural model-based dynamic-range compression. International Journal of Audiology, 2018, 57, S31-S42.	1.7	3
158	The Finnish simplified matrix sentence test for the assessment of speech intelligibility in the elderly. International Journal of Audiology, 2020, 59, 763-771.	1.7	3
159	Detection mechanisms for processing delays in simulated vented hearing devices. JASA Express Letters, 2021, 1, .	1.1	3
160	Contribution of Low-Level Acoustic and Higher-Level Lexical-Semantic Cues to Speech Recognition in Noise and Reverberation. Frontiers in Built Environment, 2021, 7, .	2.3	3
161	A Nonlinear Auditory Filterbank Controlled by Sub-band Instantaneous Frequency Estimates. , 2007, , 11-18.		3
162	Relation between hearing abilities and preferred playback settings for speech perception in complex listening conditions. International Journal of Audiology, 2021, , 1-10.	1.7	3

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163	Electrophysiological and psychophysical asymmetries in sensitivity to interaural correlation gaps and implications for binaural integration time. Hearing Research, 2016, 332, 170-187.	2.0	2
164	Influence of auditory attention on sentence recognition captured by the neural phase. European Journal of Neuroscience, 2020, 51, 1305-1314.	2.6	2
165	Speech Intelligibility and Spatial Release From Masking Improvements Using Spatial Noise Reduction Algorithms in Bimodal Cochlear Implant Users. Trends in Hearing, 2021, 25, 233121652110059.	1.3	2
166	Matching Pursuit Analysis of Auditory Receptive Fields' Spectro-Temporal Properties. Frontiers in Systems Neuroscience, 2017, 11, 4.	2.5	1
167	Modelling human speech recognition in challenging noise maskers using machine learning. Acoustical Science and Technology, 2020, 41, 94-98.	0.5	1
168	Toward an Individual Binaural Loudness Model for Hearing Aid Fitting and Development. Frontiers in Psychology, 2021, 12, 634943.	2.1	1
169	Modeling auditory processing of AM detection and discrimination for sensorineural hearingâ€impaired listeners. Journal of the Acoustical Society of America, 1996, 100, 2632-2632.	1.1	1
170	Evaluation of a semi-supervised self-adjustment fine-tuning procedure for hearing aids. International Journal of Audiology, 2022, , 1-13.	1.7	1
171	Conformities and gaps of clinical audiological data with the international classification of functioning disability and health core sets for hearing loss. International Journal of Audiology, 2023, 62, 552-561.	1.7	1
172	Network session 1: IT based diagnostics of hearing. Biomedizinische Technik, 2017, 62, .	0.8	0
173	Maschinelles Lernen und SchwerhÃ¶rigkeit â€" Werden HÃ¶rgerÃte zu Babelfischen?. , 2020, , 127-140.		0
174	Modelling speech reception thresholds and their improvements due to spatial noise reduction algorithms in bimodal cochlear implant users. Hearing Research, 2022, , 108507.	2.0	0