Emily Buss

List of Publications by Year
in descending order

127 papers	2,549 citations	186265 28 h-index	254184 43 g-index
128 all docs	128 docs citations	128 times ranked	1347 citing authors

#	Article	IF	Citations
1	Cochlear Implantation in Children with Auditory Neuropathy Spectrum Disorder. Ear and Hearing, 2010, 31, 325-335.	2.1	163
2	Multicenter U.S. Bilateral MED-EL Cochlear Implantation Study: Speech Perception over the First Year of Use. Ear and Hearing, 2008, 29, 20-32.	2.1	126
3	Temporal Fine-Structure Cues to Speech and Pure Tone Modulation in Observers with Sensorineural Hearing Loss. Ear and Hearing, 2004, 25, 242-250.	2.1	112
4	Development of Open-Set Word Recognition in Children. Ear and Hearing, 2016, 37, 55-63.	2.1	103
5	Temporal processing deficits in the pre-senescent auditory system. Journal of the Acoustical Society of America, 2006, 119, 2305-2315.	1.1	85
6	Effect of Cochlear Implantation on Quality of Life in Adults with Unilateral Hearing Loss. Audiology and Neuro-Otology, 2017, 22, 259-271.	1.3	70
7	Cochlear Implantation in Patients with Substantial Residual Hearing. Laryngoscope, 2004, 114, 2218-2223.	2.0	66
8	Development of Adult-Like Performance in Backward, Simultaneous, and Forward Masking. Journal of Speech, Language, and Hearing Research, 1999, 42, 844-849.	1.6	62
9	Psychometric functions for pure tone intensity discrimination: Slope differences in school-aged children and adults. Journal of the Acoustical Society of America, 2009, 125, 1050-1058.	1.1	55
10	Development and the role of internal noise in detection and discrimination thresholds with narrow band stimuli. Journal of the Acoustical Society of America, 2006, 120, 2777-2788.	1.1	54
11	Cochlear Implantation in Cases of Unilateral Hearing Loss: Initial Localization Abilities. Ear and Hearing, 2017, 38, 611-619.	2.1	53
12	Effects of Age and Hearing Impairment on the Ability to Benefit From Temporal and Spectral Modulation. Ear and Hearing, 2012, 33, 340-348.	2.1	49
13	Speech-evoked ABR: Effects of age and simulated neural temporal jitter. Hearing Research, 2016, 333, 201-209.	2.0	47
14	Speech recognition in one- and two-talker maskers in school-age children and adults: Development of perceptual masking and glimpsing. Journal of the Acoustical Society of America, 2017, 141, 2650-2660.	1.1	46
15	Informational masking release in children and adults. Journal of the Acoustical Society of America, 2005, 118, 1605-1613.	1.1	45
16	Gap detection for similar and dissimilar gap markers. Journal of the Acoustical Society of America, 2001, 109, 1587-1595.	1.1	40
17	Development and Preliminary Evaluation of a Pediatric Spanishâ€“English Speech Perception Task. American Journal of Audiology, 2014, 23, 158-172.	1.2	40
18	Effect of Preoperative Residual Hearing on Speech Perception After Cochlear Implantation. Laryngoscope, 2008, 118, 2044-2049.	2.0	39

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19	Rapid adaptation of the 2f1â€“f2 DPOAE in humans: Binaural and contralateral stimulation effects. Hearing Research, 2003, 182, 140-152.	2.0	38
20	Masked Speech Perception Thresholds in Infants, Children, and Adults. Ear and Hearing, 2016, 37, 345-353.	2.1	38
21	Perceptual consequences of peripheral hearing loss: do edge effects exist for abrupt cochlear lesions?. Hearing Research, 1998, 125, 98-108.	2.0	37
22	Psychometric function slope for speech-in-noise and speech-in-speech: Effects of development and aging. Journal of the Acoustical Society of America, 2019, 145, EL284-EL290.	1.1	34
23	Influence of Hearing Loss on Childrenâ€™s Identification of Spondee Words in a Speech-Shaped Noise or a Two-Talker Masker. Ear and Hearing, 2013, 34, 575-584.	2.1	33
24	Assessing Speech Perception in Children With Hearing Loss. Ear and Hearing, 2015, 36, e57-e60.	2.1	33
25	Spectral integration of synchronous and asynchronous cues to consonant identification. Journal of the Acoustical Society of America, 2004, 115, 2278-2285.	1.1	32
26	MED-EL Combi40+ Cochlear Implantation in Adults. Laryngoscope, 2005, 115, 1568-1573.	2.0	32
27	Spatial Release From Masking in Children: Effects of Simulated Unilateral Hearing Loss. Ear and Hearing, 2017, 38, 223-235.	2.1	31
28	Release From Perceptual Masking for Children and Adults. Ear and Hearing, 2013, 34, 3-14.	2.1	29
29	Effect of response context and masker type on word recognition in school-age children and adults. Journal of the Acoustical Society of America, 2016, 140, 968-977.	1.1	29
30	Masking release for words in amplitude-modulated noise as a function of modulation rate and task. Journal of the Acoustical Society of America, 2009, 126, 269-280.	1.1	28
31	Spectral Integration and Bandwidth Effects on Speech Recognition in School-Aged Children and Adults. Ear and Hearing, 2010, 31, 56-62.	2.1	26
32	Cognitive and Linguistic Contributions to Masked Speech Recognition in Children. Journal of Speech, Language, and Hearing Research, 2020, 63, 3525-3538.	1.6	26
33	Gap Duration Discrimination in Listeners with Cochlear Hearing Loss: Effects of Gap and Marker Duration, Frequency Separation, and Mode of Presentation. JARO - Journal of the Association for Research in Otolaryngology, 2001, 2, 388-398.	1.8	25
34	Effects of Nonlinear Frequency Compression on Speech Identification in Children With Hearing Loss. Ear and Hearing, 2014, 35, 353-365.	2.1	24
35	Neural and Behavioral Sensitivity to Interaural Time Differences Using Amplitude Modulated Tones with Mismatched Carrier Frequencies. JARO - Journal of the Association for Research in Otolaryngology, 2007, 8, 393-408.	1.8	23
36	Within- and across-channel factors in the multiband comodulation masking release paradigm. Journal of the Acoustical Society of America, 2009, 125, 282-293.	1.1	23

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37	Influence of Test Condition on Speech Perception With Electric-Acoustic Stimulation. American Journal of Audiology, 2015, 24, 520-528.	1.2	21
38	Individual differences in the masking level difference with a narrowband masker at 500 or 2000Hz. Journal of the Acoustical Society of America, 2007, 121, 411-419.	1.1	20
39	Effects of modulator phase for comodulation masking release and modulation detection interference. Journal of the Acoustical Society of America, 1997, 102, 468-476.	1.1	19
40	Interaural Time Discrimination of Envelopes Carried on High-Frequency Tones as a Function of Level and Interaural Carrier Mismatch. Ear and Hearing, 2008, 29, 674-683.	2.1	19
41	Spectral integration of speech bands in normal-hearing and hearing-impaired listeners. Journal of the Acoustical Society of America, 2008, 124, 1105-1115.	1.1	18
42	Factors Affecting Sensitivity to Frequency Change in School-Age Children and Adults. Journal of Speech, Language, and Hearing Research, 2014, 57, 1972-1982.	1.6	18
43	Linguistic Masking Release in School-Age Children and Adults. American Journal of Audiology, 2016, 25, 34-40.	1.2	18
44	Effect of amplitude modulation coherence for masked speech signals filtered into narrow bands. Journal of the Acoustical Society of America, 2003, 113, 462-467.	1.1	16
45	The masking level difference for signals placed in masker envelope minima and maxima. Journal of the Acoustical Society of America, 2003, 114, 1557-1564.	1.1	16
46	The binaural temporal window in adults and children. Journal of the Acoustical Society of America, 2007, 121, 401-410.	1.1	16
47	Binaural beat salience. Hearing Research, 2012, 285, 40-45.	2.0	16
48	A comparison of threshold estimation methods in children 6â€“11 years of age. Journal of the Acoustical Society of America, 2001, 109, 727-731.	1.1	14
49	Virtual pitch integration for asynchronous harmonics. Journal of the Acoustical Society of America, 2002, 112, 2956-2961.	1.1	14
50	Monaural temporal integration and temporally selective listening in children and adults. Journal of the Acoustical Society of America, 2010, 127, 3643-3653.	1.1	14
51	Acrossâ€Channel Spectral Processing. International Review of Neurobiology, 2005, 70, 87-119.	2.0	13
52	The Development of Frequency Weighting for Speech in Children with a History of Otitis Media with Effusion. Ear and Hearing, 2008, 29, 718-724.	2.1	13
53	Effect of signal-temporal uncertainty in children and adults: Tone detection in noise or a random-frequency masker. Journal of the Acoustical Society of America, 2013, 134, 4446-4457.	1.1	13
54	Effects of Hearing Aid Settings for Electric-Acoustic Stimulation. Journal of the American Academy of Audiology, 2014, 25, 133-140.	0.7	13

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55	Effects of Self-Generated Noise on Estimates of Detection Threshold in Quiet for School-Age Children and Adults. Ear and Hearing, 2016, 37, 650-659.	2.1	13
56	Spatial Hearing and Functional Auditory Skills in Children With Unilateral Hearing Loss. Journal of Speech, Language, and Hearing Research, 2021, 64, 4495-4512.	1.6	13
57	Detection of spectrally complex signals in comodulated maskers: Effect of temporal fringe. Journal of the Acoustical Society of America, 2005, 118, 3774-3782.	1.1	12
58	Comodulation detection differences for fixed-frequency and roved-frequency maskers. Journal of the Acoustical Society of America, 2006, 119, 1021.	1.1	12
59	Comparison of two cochlear implant coding strategies on speech perception. Cochlear Implants International, 2016, 17, 263-270.	1.2	12
60	Development of frequency discrimination at 250â€‰Hz is similar for tone and /ba/ stimuli. Journal of the Acoustical Society of America, 2017, 142, EL150-EL154.	1.1	12
61	FORUM: Remote testing for psychological and physiological acoustics. Journal of the Acoustical Society of America, 2022, 151, 3116-3128.	1.1	12
62	Modulation rate discrimination for unresolved components: Temporal cues related to fine structure and envelope. Journal of the Acoustical Society of America, 2003, 113, 986-993.	1.1	11
63	The effect of masker level uncertainty on intensity discrimination. Journal of the Acoustical Society of America, 2008, 123, 254-264.	1.1	11
64	The monaural temporal window based on masking period pattern data in school-aged children and adults. Journal of the Acoustical Society of America, 2013, 133, 1586-1597.	1.1	11
65	Spatial Release From Masking in Pediatric Cochlear Implant Recipients With Single-Sided Deafness. American Journal of Audiology, 2021, 30, 443-451.	1.2	11
66	Effect of Place-Based Versus Default Mapping Procedures on Masked Speech Recognition: Simulations of Cochlear Implant Alone and Electric-Acoustic Stimulation. American Journal of Audiology, 2022, 31, 322-337.	1.2	11
67	Effects of non-simultaneous masking on the binaural masking level difference. Journal of the Acoustical Society of America, 2011, 129, 907-919.	1.1	10
68	Asynchronous glimpsing of speech: Spread of masking and task set-size. Journal of the Acoustical Society of America, 2012, 132, 1152-1164.	1.1	10
69	Monaural envelope correlation perception for bands narrower or wider than a critical band. Journal of the Acoustical Society of America, 2013, 133, 405-416.	1.1	10
70	Effects of linguistic experience on the ability to benefit from temporal and spectral masker modulation. Journal of the Acoustical Society of America, 2014, 135, 1335-1343.	1.1	10
71	Temporal Processing Deficits in Middle Age. American Journal of Audiology, 2015, 24, 91-93.	1.2	10
72	Binaural comodulation masking release: Effects of masker interaural correlation. Journal of the Acoustical Society of America, 2006, 120, 3878-3888.	1.1	9

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73	Within- and across-channel gap detection in cochlear implant listeners. Journal of the Acoustical Society of America, 2007, 122, 3651-3658.	1.1	9
74	Factors contributing to comodulation masking release with dichotic maskers. Journal of the Acoustical Society of America, 2008, 124, 1905-1908.	1.1	9
75	Features of across-frequency envelope coherence critical for comodulation masking release. Journal of the Acoustical Society of America, 2009, 126, 2455-2466.	1.1	9
76	Excitation-based and informational masking of a tonal signal in a four-tone masker. Journal of the Acoustical Society of America, 2010, 127, 2441-2450.	1.1	9
77	Gap Detection in School-Age Children and Adults: Effects of Inherent Envelope Modulation and the Availability of Cues Across Frequency. Journal of Speech, Language, and Hearing Research, 2014, 57, 1098-1107.	1.6	9
78	Gap Detection in School-Age Children and Adults: Center Frequency and Ramp Duration. Journal of Speech, Language, and Hearing Research, 2017, 60, 172-181.	1.6	9
79	The effect of hearing impairment on the identification of speech that is modulated synchronously or asynchronously across frequency. Journal of the Acoustical Society of America, 2008, 123, 955-962.	1.1	8
80	The role of off-frequency masking in binaural hearing. Journal of the Acoustical Society of America, 2010, 127, 3666-3677.	1.1	8
81	Amplitude modulation detection and modulation masking in school-age children and adults. Journal of the Acoustical Society of America, 2019, 145, 2565-2575.	1.1	8
82	Independent and Combined Effects of Fundamental Frequency and Vocal Tract Length Differences for School-Age Children's Sentence Recognition in a Two-Talker Masker. Journal of Speech, Language, and Hearing Research, 2021, 64, 206-217.	1.6	8
83	Frequency correlation functions for the detection of a tone added to modulated noise maskers. Journal of the Acoustical Society of America, 1996, 99, 1645-1652.	1.1	7
84	Change in envelope beats as a possible cue in comodulation masking release (CMR). Journal of the Acoustical Society of America, 1998, 103, 1592-1597.	1.1	7
85	Modulation gap detection: Effects of modulation rate, carrier separation, and mode of presentation. Journal of the Acoustical Society of America, 1999, 106, 946-953.	1.1	7
86	MÃ©niÃ¨reâ€™s Disease: Effects of Glycerol on Tasks Involving Temporal Processing. Audiology and Neuro-Otology, 2004, 9, 115-124.	1.3	7
87	Gap duration discrimination for frequency-asymmetric gap markers: Psychophysical and electrophysiological findings. Journal of the Acoustical Society of America, 2007, 122, 446-457.	1.1	7
88	Comodulation detection differences in children and adults. Journal of the Acoustical Society of America, 2008, 123, 2213-2219.	1.1	7
89	Exploring the additivity of binaural and monaural masking release. Journal of the Acoustical Society of America, 2011, 129, 2080-2087.	1.1	7
90	Factors Affecting the Processing of Intensity in School-Aged Children. Journal of Speech, Language, and Hearing Research, 2013, 56, 71-80.	1.6	7

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91	Development of speech glimpsing in synchronously and asynchronously modulated noise. Journal of the Acoustical Society of America, 2014, 135, 3594-3600.	1.1	7
92	Preliminary evaluation of a two-interval, two-alternative infant behavioral testing procedure. Journal of the Acoustical Society of America, 2014, 136, EL236-EL241.	1.1	7
93	Factors responsible for remote-frequency masking in children and adults. Journal of the Acoustical Society of America, 2016, 140, 4367-4377.	1.1	7
94	The effect of presentation level on spectral weights for sentences. Journal of the Acoustical Society of America, 2016, 139, 466-471.	1.1	7
95	The Clear-Speech Benefit for School-Age Children: Speech-in-Noise and Speech-in-Speech Recognition. Journal of Speech, Language, and Hearing Research, 2020, 63, 4265-4276.	1.6	7
96	Gap detection in modulated noise: Across-frequency facilitation and interference. Journal of the Acoustical Society of America, 2008, 123, 998-1007.	1.1	6
97	Masked Sentence Recognition Assessed at Ascending Target-to-Masker Ratios. Ear and Hearing, 2015, 36, e14-e22.	2.1	6
98	Cochlear hearing loss and the detection of sinusoidal versus random amplitude modulation. Journal of the Acoustical Society of America, 2016, 140, EL184-EL190.	1.1	6
99	Effects of Self-Generated Noise on Quiet Threshold by Transducer Type in School-Age Children and Adults. Journal of Speech, Language, and Hearing Research, 2020, 63, 2027-2033.	1.6	5
100	The effects on comodulation masking release of systematic variations in onâ€•and offâ€frequency masker modulation patterns. Journal of the Acoustical Society of America, 1996, 99, 3109-3118.	1.1	4
101	Across-channel interference in intensity discrimination: The role of practice and listening strategy. Journal of the Acoustical Society of America, 2008, 123, 265-272.	1.1	4
102	Effects of masker envelope coherence on intensity discrimination. Journal of the Acoustical Society of America, 2009, 126, 2467-2478.	1.1	4
103	Spectral integration under conditions of comodulation masking release. Journal of the Acoustical Society of America, 2009, 125, 1612-1621.	1.1	4
104	Masked detection and discrimination of tone sequences under conditions of monaural and binaural masking release. Journal of the Acoustical Society of America, 2011, 129, 1482-1489.	1.1	4
105	Factors affecting the development of speech recognition in steady and modulated noise. Journal of the Acoustical Society of America, 2016, 139, 2964-2969.	1.1	4
106	Frequency discrimination under conditions of comodulation masking release (L). Journal of the Acoustical Society of America, 2012, 131, 2557-2560.	1.1	3
107	Effects of masker envelope irregularities on tone detection in narrowband and broadband noise maskers. Hearing Research, 2012, 294, 73-81.	2.0	3
108	Speech recognition for school-age children and adults tested in multi-tone vs multi-noise-band maskers. Journal of the Acoustical Society of America, 2018, 143, 1458-1466.	1.1	3

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109	Auditory sensitivity to spectral modulation phase reversal as a function of modulation depth. PLoS ONE, 2018, 13, e0195686.	2.5	3
110	Speech-in-speech recognition in preschoolers. International Journal of Audiology, 2022, , 1-8.	1.7	3
111	Spectral integration and wideband analysis in gap detection and overshoot paradigms. Journal of the Acoustical Society of America, 2007, 122, 3598-3608.	1.1	2
112	Spectral profile cues in comodulation masking release. Journal of the Acoustical Society of America, 2010, 127, 3614-3628.	1.1	2
113	Across-frequency envelope correlation discrimination and masked signal detection. Journal of the Acoustical Society of America, 2013, 134, 1205-1214.	1.1	2
114	The effect of noise fluctuation and spectral bandwidth on gap detection. Journal of the Acoustical Society of America, 2016, 139, 1601-1610.	1.1	2
115	Speech-in-Speech Recognition and Spatially Selective Attention in Children and Adults. Journal of Speech, Language, and Hearing Research, 2021, 64, 3617-3626.	1.6	2
116	Influence of Postponed Follow-Up after Cochlear Implant Activation during the COVID-19 Pandemic on Aided Sound Field Detection and Speech Recognition. Audiology and Neuro-Otology, 2022, 27, 227-234.	1.3	2
117	Effect of Protective Face Coverings on Sentence Recognition in Noise for Cochlear Implant Patients. American Journal of Audiology, 2022, 31, 427-432.	1.2	2
118	The role of auditory filters in comodulation masking release (CMR). Journal of the Acoustical Society of America, 1998, 103, 3561-3566.	1.1	1
119	The effects of different envelope patterns and uncertainty for the detection of a tone added to SAM complex tonal maskers. Journal of the Acoustical Society of America, 1998, 103, 1058-1066.	1.1	1
120	Frequency dependent latency and the envelope following response. Acoustics Research Letters Online: ARLO, 2002, 3, 59-64.	0.7	1
121	The Effect of Temporal Stimulus Characteristics in Maintenance of the Acoustic Reflex. JARO - Journal of the Association for Research in Otolaryngology, 2003, 4, 41-48.	1.8	1
122	The Effects of Sensorineural Hearing Impairment on Asynchronous Glimpsing of Speech. PLoS ONE, 2016, 11, e0154920.	2.5	1
123	Does Sentence-Level Coarticulation Affect Speech Recognition in Noise or a Speech Masker?. Journal of Speech, Language, and Hearing Research, 2021, 64, 1390-1403.	1.6	1
124	Effects of word familiarity and receptive vocabulary size on speech-in-noise recognition among young adults with normal hearing. PLoS ONE, 2022, 17, e0264581.	2.5	1
125	Optimal integration of independent observations from Poisson sources. Journal of the Acoustical Society of America, 2015, 137, EL20-EL25.	1.1	0
126	Effect of stimulus bandwidth and duration on monaural envelope correlation perception. Journal of the Acoustical Society of America, 2015, 137, EL51-EL57.	1.1	0

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127	A Simplified Approach to Quantifying a Child's Bilingual Language Experience. American Journal of Audiology, 2021, 30, 769-776.	1.2	0