

# Matthew J Goupell

## List of Publications by Citations

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95  
papers

1,524  
citations

21  
h-index

35  
g-index

112  
ext. papers

1,829  
ext. citations

2.6  
avg, IF

5.15  
L-index

#	Paper	IF	Citations
95	Transfer and/or breakup modes in the 6He+209Bi reaction near the coulomb barrier. <i>Physical Review Letters</i> , <b>2000</b> , 84, 5058-61	7.4	172
94	Effect of mismatched place-of-stimulation on binaural fusion and lateralization in bilateral cochlear-implant users. <i>Journal of the Acoustical Society of America</i> , <b>2013</b> , 134, 2923-36	2.2	115
93	Studies on bilateral cochlear implants at the University of Wisconsin Binaural Hearing and Speech Laboratory. <i>Journal of the American Academy of Audiology</i> , <b>2012</b> , 23, 476-94	1.3	102
92	Effect of mismatched place-of-stimulation on the salience of binaural cues in conditions that simulate bilateral cochlear-implant listening. <i>Journal of the Acoustical Society of America</i> , <b>2013</b> , 133, 2272-87	2.3	78
91	3-D localization of virtual sound sources: effects of visual environment, pointing method, and training. <i>Attention, Perception, and Psychophysics</i> , <b>2010</b> , 72, 454-69	2	60
90	Effects of interaural pitch matching and auditory image centering on binaural sensitivity in cochlear implant users. <i>Ear and Hearing</i> , <b>2015</b> , 36, e62-8	3.4	50
89	Having Two Ears Facilitates the Perceptual Separation of Concurrent Talkers for Bilateral and Single-Sided Deaf Cochlear Implantees. <i>Ear and Hearing</i> , <b>2016</b> , 37, 289-302	3.4	48
88	Two-dimensional localization of virtual sound sources in cochlear-implant listeners. <i>Ear and Hearing</i> , <b>2011</b> , 32, 198-208	3.4	42
87	Spatial hearing benefits demonstrated with presentation of acoustic temporal fine structure cues in bilateral cochlear implant listeners. <i>Journal of the Acoustical Society of America</i> , <b>2014</b> , 136, 1246	2.2	38
86	Interaural fluctuations and the detection of interaural incoherence: bandwidth effects. <i>Journal of the Acoustical Society of America</i> , <b>2006</b> , 119, 3971-86	2.2	34
85	Interaural fluctuations and the detection of interaural incoherence. III. Narrowband experiments and binaural models. <i>Journal of the Acoustical Society of America</i> , <b>2007</b> , 122, 1029-45	2.2	31
84	Enhancing and unmasking the harmonics of a complex tone. <i>Journal of the Acoustical Society of America</i> , <b>2006</b> , 120, 2142-57	2.2	31
83	Age-Related Differences in the Processing of Temporal Envelope and Spectral Cues in a Speech Segment. <i>Ear and Hearing</i> , <b>2017</b> , 38, e335-e342	3.4	30
82	Mapping procedures can produce non-centered auditory images in bilateral cochlear implantees. <i>Journal of the Acoustical Society of America</i> , <b>2013</b> , 133, EL101-7	2.2	30
81	Bilateral Loudness Balancing and Distorted Spatial Perception in Recipients of Bilateral Cochlear Implants. <i>Ear and Hearing</i> , <b>2015</b> , 36, e225-36	3.4	28
80	Binaural sensitivity in children who use bilateral cochlear implants. <i>Journal of the Acoustical Society of America</i> , <b>2017</b> , 141, 4264	2.2	23
79	Interaural envelope correlation change discrimination in bilateral cochlear implantees: effects of mismatch, centering, and onset of deafness. <i>Journal of the Acoustical Society of America</i> , <b>2015</b> , 137, 1282-97	2.3	23

78	Spatial attention in bilateral cochlear-implant users. <i>Journal of the Acoustical Society of America</i> , <b>2016</b> , 140, 1652	2.2	23
77	Use of Research Interfaces for Psychophysical Studies With Cochlear-Implant Users. <i>Trends in Hearing</i> , <b>2017</b> , 21, 2331216517736464	3.2	22
76	Sensitivity to interaural envelope correlation changes in bilateral cochlear-implant users. <i>Journal of the Acoustical Society of America</i> , <b>2015</b> , 137, 335-49	2.2	21
75	Median-plane sound localization as a function of the number of spectral channels using a channel vocoder. <i>Journal of the Acoustical Society of America</i> , <b>2010</b> , 127, 990-1001	2.2	21
74	Enhancing sensitivity to interaural time differences at high modulation rates by introducing temporal jitter. <i>Journal of the Acoustical Society of America</i> , <b>2009</b> , 126, 2511-21	2.2	19
73	Effects of upper-frequency boundary and spectral warping on speech intelligibility in electrical stimulation. <i>Journal of the Acoustical Society of America</i> , <b>2008</b> , 123, 2295-309	2.2	19
72	Contralateral Interference Caused by Binaurally Presented Competing Speech in Adult Bilateral Cochlear-Implant Users. <i>Ear and Hearing</i> , <b>2018</b> , 39, 110-123	3.4	19
71	Time-Varying Distortions of Binaural Information by Bilateral Hearing Aids: Effects of Nonlinear Frequency Compression. <i>Trends in Hearing</i> , <b>2016</b> , 20,	3.2	17
70	The role of envelope statistics in detecting changes in interaural correlation. <i>Journal of the Acoustical Society of America</i> , <b>2012</b> , 132, 1561-72	2.2	17
69	Interaural Time-Difference Discrimination as a Measure of Place of Stimulation for Cochlear-Implant Users With Single-Sided Deafness. <i>Trends in Hearing</i> , <b>2018</b> , 22, 2331216518765514	3.2	16
68	Current-level discrimination and spectral profile analysis in multi-channel electrical stimulation. <i>Journal of the Acoustical Society of America</i> , <b>2008</b> , 124, 3142-57	2.2	16
67	Age Effects on Neural Representation and Perception of Silence Duration Cues in Speech. <i>Journal of Speech, Language, and Hearing Research</i> , <b>2019</b> , 62, 1099-1116	2.8	16
66	Interaural Pitch-Discrimination Range Effects for Bilateral and Single-Sided-Deafness Cochlear-Implant Users. <i>JARO - Journal of the Association for Research in Otolaryngology</i> , <b>2019</b> , 20, 187-203	3.3	15
65	Lateralization of Interaural Level Differences with Multiple Electrode Stimulation in Bilateral Cochlear-Implant Listeners. <i>Ear and Hearing</i> , <b>2017</b> , 38, e22-e38	3.4	14
64	Effect of channel separation and interaural mismatch on fusion and lateralization in normal-hearing and cochlear-implant listeners. <i>Journal of the Acoustical Society of America</i> , <b>2019</b> , 146, 1448	2.2	13
63	Evidence for a neural source of the precedence effect in sound localization. <i>Journal of Neurophysiology</i> , <b>2015</b> , 114, 2991-3001	3.2	13
62	The Effect of Simulated Interaural Frequency Mismatch on Speech Understanding and Spatial Release From Masking. <i>Ear and Hearing</i> , <b>2018</b> , 39, 895-905	3.4	13
61	The effect of interaural fluctuation rate on correlation change discrimination. <i>JARO - Journal of the Association for Research in Otolaryngology</i> , <b>2014</b> , 15, 115-29	3.3	13

60	Age-related differences in binaural masking level differences: behavioral and electrophysiological evidence. <i>Journal of Neurophysiology</i> , <b>2018</b> , 120, 2939-2952	3.2	13
59	Effects of rate and age in processing interaural time and level differences in normal-hearing and bilateral cochlear-implant listeners. <i>Journal of the Acoustical Society of America</i> , <b>2019</b> , 146, 3232	2.2	11
58	Speech perception in simulated electric hearing exploits information-bearing acoustic change. <i>Journal of the Acoustical Society of America</i> , <b>2013</b> , 133, EL136-41	2.2	11
57	Evidence of the enhancement effect in electrical stimulation via electrode matching (L). <i>Journal of the Acoustical Society of America</i> , <b>2012</b> , 131, 1007-10	2.2	11
56	The effect of an additional reflection in a precedence effect experiment. <i>Journal of the Acoustical Society of America</i> , <b>2012</b> , 131, 2958-67	2.2	10
55	Using prosody to infer discourse prominence in cochlear-implant users and normal-hearing listeners. <i>Cognition</i> , <b>2017</b> , 166, 184-200	3.5	10
54	Effect of Stimulation Rate on Speech Understanding in Older Cochlear-Implant Users. <i>Ear and Hearing</i> , <b>2020</b> , 41, 640-651	3.4	10
53	Binaural release from masking with single- and multi-electrode stimulation in children with cochlear implants. <i>Journal of the Acoustical Society of America</i> , <b>2016</b> , 140, 59	2.2	10
52	Age-Related Temporal Processing Deficits in Word Segments in Adult Cochlear-Implant Users. <i>Trends in Hearing</i> , <b>2019</b> , 23, 2331216519886688	3.2	10
51	Speech perception in noise with a harmonic complex excited vocoder. <i>JARO - Journal of the Association for Research in Otolaryngology</i> , <b>2014</b> , 15, 265-78	3.3	9
50	Acoustic Hearing Can Interfere With Single-Sided Deafness Cochlear-Implant Speech Perception. <i>Ear and Hearing</i> , <b>2020</b> , 41, 747-761	3.4	9
49	Speech Rate Normalization and Phonemic Boundary Perception in Cochlear-Implant Users. <i>Journal of Speech, Language, and Hearing Research</i> , <b>2017</b> , 60, 1398-1416	2.8	8
48	Interaural fluctuations and the detection of interaural incoherence. II. Brief duration noises. <i>Journal of the Acoustical Society of America</i> , <b>2007</b> , 121, 2127-36	2.2	8
47	Age-Related Compensation Mechanism Revealed in the Cortical Representation of Degraded Speech. <i>JARO - Journal of the Association for Research in Otolaryngology</i> , <b>2020</b> , 21, 373-391	3.3	8
46	Acoustic factors affecting interaural level differences for cochlear-implant users. <i>Journal of the Acoustical Society of America</i> , <b>2020</b> , 147, EL357	2.2	7
45	Age effects on perceptual restoration of degraded interrupted sentences. <i>Journal of the Acoustical Society of America</i> , <b>2018</b> , 143, 84	2.2	7
44	Vocoded speech perception with simulated shallow insertion depths in adults and children. <i>Journal of the Acoustical Society of America</i> , <b>2017</b> , 141, EL45	2.2	7
43	Effects of Aging on Perceptual and Electrophysiological Responses to Acoustic Pulse Trains as a Function of Rate. <i>Journal of Speech, Language, and Hearing Research</i> , <b>2019</b> , 62, 1087-1098	2.8	7

42	Across-channel interaural-level-difference processing demonstrates frequency dependence. <i>Journal of the Acoustical Society of America</i> , <b>2018</b> , 143, 645	2.2	6
41	The Relationship Between Intensity Coding and Binaural Sensitivity in Adults With Cochlear Implants. <i>Ear and Hearing</i> , <b>2017</b> , 38, e128-e141	3.4	6
40	Interaural fluctuations and the detection of interaural incoherence. IV. The effect of compression on stimulus statistics. <i>Journal of the Acoustical Society of America</i> , <b>2010</b> , 128, 3691-702	2.2	6
39	Binaural Optimization of Cochlear Implants: Discarding Frequency Content Without Sacrificing Head-Shadow Benefit. <i>Ear and Hearing</i> , <b>2020</b> , 41, 576-590	3.4	6
38	Recognition of Accented Speech by Cochlear-Implant Listeners: Benefit of Audiovisual Cues. <i>Ear and Hearing</i> , <b>2020</b> , 41, 1236-1250	3.4	5
37	Auditory Attention and Spatial Unmasking in Children With Cochlear Implants. <i>Trends in Hearing</i> , <b>2020</b> , 24, 2331216520946983	3.2	5
36	Impact of Aging and the Electrode-to-Neural Interface on Temporal Processing Ability in Cochlear-Implant Users: Amplitude-Modulation Detection Thresholds. <i>Trends in Hearing</i> , <b>2020</b> , 24, 2331216520936160	3.2	5
35	Dichotic listening performance with cochlear-implant simulations of ear asymmetry is consistent with difficulty ignoring clearer speech. <i>Attention, Perception, and Psychophysics</i> , <b>2021</b> , 83, 2083-2101	2	5
34	Binaural unmasking with temporal envelope and fine structure in listeners with cochlear implants. <i>Journal of the Acoustical Society of America</i> , <b>2019</b> , 145, 2982	2.2	4
33	Spectral and temporal resolutions of information-bearing acoustic changes for understanding vocoded sentences. <i>Journal of the Acoustical Society of America</i> , <b>2015</b> , 137, 844-55	2.2	4
32	Interaural Place-of-Stimulation Mismatch Estimates Using CT Scans and Binaural Perception, But Not Pitch, Are Consistent in Cochlear-Implant Users. <i>Journal of Neuroscience</i> , <b>2021</b> , 41, 10161-10178	6.6	4
31	Hearing with Cochlear Implants and Hearing Aids in Complex Auditory Scenes. <i>Springer Handbook of Auditory Research</i> , <b>2017</b> , 261-291	1.2	4
30	Impact of Aging and the Electrode-to-Neural Interface on Temporal Processing Ability in Cochlear-Implant Users: Gap Detection Thresholds. <i>Trends in Hearing</i> , <b>2020</b> , 24, 2331216520956560	3.2	4
29	Across-frequency processing of interaural time and level differences in perceived lateralization. <i>Acta Acustica United With Acustica</i> , <b>2018</b> , 104, 758-761	1.5	4
28	Memory Span for Spoken Digits in Adults With Cochlear Implants or Typical Hearing: Effects of Age and Identification Ability. <i>Journal of Speech, Language, and Hearing Research</i> , <b>2018</b> , 61, 2099-2114	2.8	4
27	Transmission of Binaural Cues by Bilateral Cochlear Implants: Examining the Impacts of Bilaterally Independent Spectral Peak-Picking, Pulse Timing, and Compression. <i>Trends in Hearing</i> , <b>2021</b> , 25, 23312165211030411	3.2	4
26	Effects of Stimulus Duration on Event-Related Potentials Recorded From Cochlear-Implant Users. <i>Ear and Hearing</i> , <b>2017</b> , 38, e389-e393	3.4	3
25	Untrained listeners experience difficulty detecting interaural correlation changes in narrowband noises. <i>Journal of the Acoustical Society of America</i> , <b>2015</b> , 138, EL120-5	2.2	3

24	Internalized elevation perception of simple stimuli in cochlear-implant and normal-hearing listeners. <i>Journal of the Acoustical Society of America</i> , <b>2014</b> , 136, 841-52	2.2	3
23	Spectral-Temporal Trade-Off in Vcoded Sentence Recognition: Effects of Age, Hearing Thresholds, and Working Memory. <i>Ear and Hearing</i> , <b>2020</b> , 41, 1226-1235	3.4	3
22	Bimodal Cochlear Implant Listeners Ability to Perceive Minimal Audible Angle Differences. <i>Journal of the American Academy of Audiology</i> , <b>2019</b> , 30, 659-671	1.3	3
21	Access to semantic cues does not lead to perceptual restoration of interrupted speech in cochlear-implant users. <i>Journal of the Acoustical Society of America</i> , <b>2021</b> , 149, 1488	2.2	2
20	A Comparison of Place-Pitch-Based Interaural Electrode Matching Methods for Bilateral Cochlear-Implant Users. <i>Trends in Hearing</i> , <b>2021</b> , 25, 2331216521997324	3.2	2
19	Effect of Chronological Age on Pulse Rate Discrimination in Adult Cochlear-Implant Users. <i>Trends in Hearing</i> , <b>2021</b> , 25, 23312165211007367	3.2	2
18	Binaural Hearing and Across-Channel Processing. <i>Springer Handbook of Auditory Research</i> , <b>2021</b> , 181-207	1.2	2
17	The effect of envelope modulations on binaural processing. <i>Hearing Research</i> , <b>2019</b> , 379, 117-127	3.9	1
16	Children's syntactic parsing and sentence comprehension with a degraded auditory signal. <i>Journal of the Acoustical Society of America</i> , <b>2022</b> , 151, 699	2.2	1
15	Recognition of vocoded words and sentences in quiet and multi-talker babble with children and adults. <i>PLoS ONE</i> , <b>2020</b> , 15, e0244632	3.7	1
14	Audiovisual Speech Recognition With a Cochlear Implant and Increased Perceptual and Cognitive Demands. <i>Trends in Hearing</i> , <b>2020</b> , 24, 2331216520960601	3.2	1
13	Benefits of triple acoustic beamforming during speech-on-speech masking and sound localization for bilateral cochlear-implant users. <i>Journal of the Acoustical Society of America</i> , <b>2021</b> , 149, 3052	2.2	1
12	Aging Effects on Cortical Responses to Tones and Speech in Adult Cochlear-Implant Users. <i>JARO - Journal of the Association for Research in Otolaryngology</i> , <b>2021</b> , 22, 719-740	3.3	1
11	Head Shadow, Summation, and Squelch in Bilateral Cochlear-Implant Users With Linked Automatic Gain Controls. <i>Trends in Hearing</i> , <b>2021</b> , 25, 23312165211018147	3.2	1
10	Dichotic listening performance and effort as a function of spectral resolution and interaural symmetry. <i>Journal of the Acoustical Society of America</i> , <b>2021</b> , 150, 920	2.2	1
9	Interaural-time-difference thresholds for broad band-limited pulses are affected by relative bandwidth not temporal envelope sharpness. <i>JASA Express Letters</i> , <b>2021</b> , 1, 124401		1
8	The effect of target and interferer frequency on across-frequency binaural interference of interaural-level-difference sensitivity. <i>Journal of the Acoustical Society of America</i> , <b>2022</b> , 151, 924	2.2	0
7	Effects of aging and hearing loss on perceptual and electrophysiological measures of pulse-rate discrimination. <i>Journal of the Acoustical Society of America</i> , <b>2022</b> , 151, 1639	2.2	0

- 6 Open-Set Phoneme Recognition Performance With Varied Temporal Cues in Younger and Older Cochlear Implant Users.. *Journal of Speech, Language, and Hearing Research*, **2022**, 1-16 2.8
- 5 Accuracy and cue use in word segmentation for cochlear-implant listeners and normal-hearing listeners presented vocoded speech. *Journal of the Acoustical Society of America*, **2021**, 150, 2936 2.2
- 4 Intracranial lateralization bias observed in the presence of symmetrical hearing thresholds. *JASA Express Letters*, **2021**, 1, 104401
- 3 Letter to the Editor: Possible Sex Effects on the Processing of Temporal Cues in Word Segments in Adult Cochlear-Implant Users. *Trends in Hearing*, **2020**, 24, 2331216520946675 3.2
- 2 Stimulus context affects the phonemic categorization of temporally based word contrasts in adult cochlear-implant users.. *Journal of the Acoustical Society of America*, **2022**, 151, 2149 2.2
- 1 Impacts of signal processing factors on perceptual restoration in cochlear-implant users. *Journal of the Acoustical Society of America*, **2022**, 151, 2898-2915 2.2