

# Matthew J Goupell

## List of Publications by Year in descending order

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Version: 2024-02-01

96  
papers

1,990  
citations

304368

22  
h-index

301761

39  
g-index

112  
all docs

112  
docs citations

112  
times ranked

948  
citing authors

#	ARTICLE	IF	CITATIONS
1	Transfer and/or Breakup Modes in the H <sub>6</sub> e+B <sub>2</sub> O <sub>9</sub> i Reaction near the Coulomb Barrier. <i>Physical Review Letters</i> , 2000, 84, 5058-5061.	2.9	185
2	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> , 2013, 134, 2923-2936.	0.5	135
3	Studies on Bilateral Cochlear Implants at the University of Wisconsin's Binaural Hearing and Speech Laboratory. <i>Journal of the American Academy of Audiology</i> , 2012, 23, 476-494.	0.4	120
4	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> , 2013, 133, 2272-2287.	0.5	94
5	3-D localization of virtual sound sources: Effects of visual environment, pointing method, and training. <i>Attention, Perception, and Psychophysics</i> , 2010, 72, 454-469.	0.7	89
6	Having Two Ears Facilitates the Perceptual Separation of Concurrent Talkers for Bilateral and Single-Sided Deaf Cochlear Implantees. <i>Ear and Hearing</i> , 2016, 37, 289-302.	1.0	73
7	Effects of Interaural Pitch Matching and Auditory Image Centering on Binaural Sensitivity in Cochlear Implant Users. <i>Ear and Hearing</i> , 2015, 36, e62-e68.	1.0	64
8	Two-Dimensional Localization of Virtual Sound Sources in Cochlear-Implant Listeners. <i>Ear and Hearing</i> , 2011, 32, 198-208.	1.0	52
9	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> , 2014, 136, 1246-1256.	0.5	45
10	Interaural fluctuations and the detection of interaural incoherence: Bandwidth effects. <i>Journal of the Acoustical Society of America</i> , 2006, 119, 3971-3986.	0.5	38
11	Age-Related Differences in the Processing of Temporal Envelope and Spectral Cues in a Speech Segment. <i>Ear and Hearing</i> , 2017, 38, e335-e342.	1.0	37
12	Enhancing and unmasking the harmonics of a complex tone. <i>Journal of the Acoustical Society of America</i> , 2006, 120, 2142-2157.	0.5	36
13	Bilateral Loudness Balancing and Distorted Spatial Perception in Recipients of Bilateral Cochlear Implants. <i>Ear and Hearing</i> , 2015, 36, e225-e236.	1.0	35
14	Contralateral Interference Caused by Binaurally Presented Competing Speech in Adult Bilateral Cochlear-Implant Users. <i>Ear and Hearing</i> , 2018, 39, 110-123.	1.0	33
15	Interaural fluctuations and the detection of interaural incoherence. III. Narrowband experiments and binaural models. <i>Journal of the Acoustical Society of America</i> , 2007, 122, 1029-1045.	0.5	32
16	Mapping procedures can produce non-centered auditory images in bilateral cochlear implantees. <i>Journal of the Acoustical Society of America</i> , 2013, 133, EL101-EL107.	0.5	32
17	Binaural sensitivity in children who use bilateral cochlear implants. <i>Journal of the Acoustical Society of America</i> , 2017, 141, 4264-4277.	0.5	32
18	Use of Research Interfaces for Psychophysical Studies With Cochlear-Implant Users. <i>Trends in Hearing</i> , 2017, 21, 233121651773646.	0.7	30

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19	Spatial attention in bilateral cochlear-implant users. <i>Journal of the Acoustical Society of America</i> , 2016, 140, 1652-1662.	0.5	29
20	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> , 2015, 137, 1282-1297.	0.5	27
21	Age Effects on Neural Representation and Perception of Silence Duration Cues in Speech. <i>Journal of Speech, Language, and Hearing Research</i> , 2019, 62, 1099-1116.	0.7	26
22	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> , 2010, 127, 990-1001.	0.5	25
23	Interaural Time-Difference Discrimination as a Measure of Place of Stimulation for Cochlear-Implant Users With Single-Sided Deafness. <i>Trends in Hearing</i> , 2018, 22, 233121651876551.	0.7	24
24	The Effect of Simulated Interaural Frequency Mismatch on Speech Understanding and Spatial Release From Masking. <i>Ear and Hearing</i> , 2018, 39, 895-905.	1.0	24
25	Enhancing sensitivity to interaural time differences at high modulation rates by introducing temporal jitter. <i>Journal of the Acoustical Society of America</i> , 2009, 126, 2511-2521.	0.5	23
26	Sensitivity to interaural envelope correlation changes in bilateral cochlear-implant users. <i>Journal of the Acoustical Society of America</i> , 2015, 137, 335-349.	0.5	22
27	Time-Varying Distortions of Binaural Information by Bilateral Hearing Aids. <i>Trends in Hearing</i> , 2016, 20, 233121651666830.	0.7	22
28	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> , 2019, 146, 1448-1463.	0.5	22
29	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> , 2019, 20, 187-203.	0.9	22
30	Effects of upper-frequency boundary and spectral warping on speech intelligibility in electrical stimulation. <i>Journal of the Acoustical Society of America</i> , 2008, 123, 2295-2309.	0.5	21
31	The role of envelope statistics in detecting changes in interaural correlation. <i>Journal of the Acoustical Society of America</i> , 2012, 132, 1561-1572.	0.5	18
32	Evidence for a neural source of the precedence effect in sound localization. <i>Journal of Neurophysiology</i> , 2015, 114, 2991-3001.	0.9	18
33	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> , 2019, 146, 3232-3254.	0.5	18
34	Lateralization of Interaural Level Differences with Multiple Electrode Stimulation in Bilateral Cochlear-Implant Listeners. <i>Ear and Hearing</i> , 2017, 38, e22-e38.	1.0	17
35	Effect of Stimulation Rate on Speech Understanding in Older Cochlear-Implant Users. <i>Ear and Hearing</i> , 2020, 41, 640-651.	1.0	17
36	Age-Related Compensation Mechanism Revealed in the Cortical Representation of Degraded Speech. <i>JARO - Journal of the Association for Research in Otolaryngology</i> , 2020, 21, 373-391.	0.9	17

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37	Current-level discrimination and spectral profile analysis in multi-channel electrical stimulation. <i>Journal of the Acoustical Society of America</i> , 2008, 124, 3142-3157.	0.5	16
38	The Effect of Interaural Fluctuation Rate on Correlation Change Discrimination. <i>JARO - Journal of the Association for Research in Otolaryngology</i> , 2014, 15, 115-129.	0.9	16
39	Acoustic Hearing Can Interfere With Single-Sided Deafness Cochlear-Implant Speech Perception. <i>Ear and Hearing</i> , 2020, 41, 747-761.	1.0	16
40	Age-related differences in binaural masking level differences: behavioral and electrophysiological evidence. <i>Journal of Neurophysiology</i> , 2018, 120, 2939-2952.	0.9	15
41	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> , 2021, 41, 10161-10178.	1.7	15
42	Age-Related Temporal Processing Deficits in Word Segments in Adult Cochlear-Implant Users. <i>Trends in Hearing</i> , 2019, 23, 233121651988668.	0.7	14
43	Binaural release from masking with single- and multi-electrode stimulation in children with cochlear implants. <i>Journal of the Acoustical Society of America</i> , 2016, 140, 59-73.	0.5	13
44	Speech Perception in Noise with a Harmonic Complex Excited Vocoder. <i>JARO - Journal of the Association for Research in Otolaryngology</i> , 2014, 15, 265-278.	0.9	12
45	Binaural Optimization of Cochlear Implants: Discarding Frequency Content Without Sacrificing Head-Shadow Benefit. <i>Ear and Hearing</i> , 2020, 41, 576-590.	1.0	12
46	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> , 2020, 24, 233121652095656.	0.7	12
47	Evidence of the enhancement effect in electrical stimulation via electrode matching (L). <i>Journal of the Acoustical Society of America</i> , 2012, 131, 1007-1010.	0.5	11
48	Speech perception in simulated electric hearing exploits information-bearing acoustic change. <i>Journal of the Acoustical Society of America</i> , 2013, 133, EL136-EL141.	0.5	11
49	Vocoded speech perception with simulated shallow insertion depths in adults and children. <i>Journal of the Acoustical Society of America</i> , 2017, 141, EL45-EL50.	0.5	11
50	Acoustic factors affecting interaural level differences for cochlear-implant users. <i>Journal of the Acoustical Society of America</i> , 2020, 147, EL357-EL362.	0.5	11
51	Using prosody to infer discourse prominence in cochlear-implant users and normal-hearing listeners. <i>Cognition</i> , 2017, 166, 184-200.	1.1	11
52	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> , 2019, 62, 1087-1098.	0.7	11
53	The effect of an additional reflection in a precedence effect experiment. <i>Journal of the Acoustical Society of America</i> , 2012, 131, 2958-2967.	0.5	10
54	Speech Rate Normalization and Phonemic Boundary Perception in Cochlear-Implant Users. <i>Journal of Speech, Language, and Hearing Research</i> , 2017, 60, 1398-1416.	0.7	10

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55	Age effects on perceptual restoration of degraded interrupted sentences. <i>Journal of the Acoustical Society of America</i> , 2018, 143, 84-97.	0.5	10
56	Across-channel interaural-level-difference processing demonstrates frequency dependence. <i>Journal of the Acoustical Society of America</i> , 2018, 143, 645-658.	0.5	10
57	Dichotic listening performance with cochlear-implant simulations of ear asymmetry is consistent with difficulty ignoring clearer speech. <i>Attention, Perception, and Psychophysics</i> , 2021, 83, 2083-2101.	0.7	10
58	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> , 2020, 24, 233121652093616.	0.7	9
59	Interaural fluctuations and the detection of interaural incoherence. II. Brief duration noises. <i>Journal of the Acoustical Society of America</i> , 2007, 121, 2127-2136.	0.5	8
60	The Relationship Between Intensity Coding and Binaural Sensitivity in Adults With Cochlear Implants. <i>Ear and Hearing</i> , 2017, 38, e128-e141.	1.0	8
61	Recognition of Accented Speech by Cochlear-Implant Listeners: Benefit of Audiovisual Cues. <i>Ear and Hearing</i> , 2020, 41, 1236-1250.	1.0	8
62	Spectral-Temporal Trade-Off in Vcoded Sentence Recognition: Effects of Age, Hearing Thresholds, and Working Memory. <i>Ear and Hearing</i> , 2020, 41, 1226-1235.	1.0	8
63	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> , 2021, 25, 233121652110304.	0.7	8
64	Binaural unmasking with temporal envelope and fine structure in listeners with cochlear implants. <i>Journal of the Acoustical Society of America</i> , 2019, 145, 2982-2993.	0.5	7
65	Auditory Attention and Spatial Unmasking in Children With Cochlear Implants. <i>Trends in Hearing</i> , 2020, 24, 233121652094698.	0.7	7
66	Hearing with Cochlear Implants and Hearing Aids in Complex Auditory Scenes. <i>Springer Handbook of Auditory Research</i> , 2017, , 261-291.	0.3	7
67	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> , 2010, 128, 3691-3702.	0.5	6
68	Across-Frequency Processing of Interaural Time and Level Differences in Perceived Lateralization. <i>Acta Acustica United With Acustica</i> , 2018, 104, 758-761.	0.8	6
69	Effect of Chronological Age on Pulse Rate Discrimination in Adult Cochlear-Implant Users. <i>Trends in Hearing</i> , 2021, 25, 233121652110073.	0.7	6
70	Computed-Tomography Estimates of Interaural Mismatch in Insertion Depth and Scalar Location in Bilateral Cochlear-Implant Users. <i>Otology and Neurotology</i> , 2022, 43, 666-675.	0.7	6
71	Spectral and temporal resolutions of information-bearing acoustic changes for understanding vocoded sentences. <i>Journal of the Acoustical Society of America</i> , 2015, 137, 844-855.	0.5	5
72	Effects of Stimulus Duration on Event-Related Potentials Recorded From Cochlear-Implant Users. <i>Ear and Hearing</i> , 2017, 38, e389-e393.	1.0	5

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73	Head Shadow, Summation, and Squelch in Bilateral Cochlear-Implant Users With Linked Automatic Gain Controls. <i>Trends in Hearing</i> , 2021, 25, 233121652110181.	0.7	5
74	Recognition of vocoded words and sentences in quiet and multi-talker babble with children and adults. <i>PLoS ONE</i> , 2020, 15, e0244632.	1.1	5
75	Untrained listeners experience difficulty detecting interaural correlation changes in narrowband noises. <i>Journal of the Acoustical Society of America</i> , 2015, 138, EL120-EL125.	0.5	4
76	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> , 2018, 61, 2099-2114.	0.7	4
77	Bimodal Cochlear Implant Listeners' Ability to Perceive Minimal Audible Angle Differences. <i>Journal of the American Academy of Audiology</i> , 2019, 30, 659-671.	0.4	4
78	Audiovisual Speech Recognition With a Cochlear Implant and Increased Perceptual and Cognitive Demands. <i>Trends in Hearing</i> , 2020, 24, 233121652096060.	0.7	4
79	A Comparison of Place-Pitch-Based Interaural Electrode Matching Methods for Bilateral Cochlear-Implant Users. <i>Trends in Hearing</i> , 2021, 25, 233121652199732.	0.7	4
80	Ageing Effects on Cortical Responses to Tones and Speech in Adult Cochlear-Implant Users. <i>JARO - Journal of the Association for Research in Otolaryngology</i> , 2021, 22, 719-740.	0.9	4
81	Dichotic listening performance and effort as a function of spectral resolution and interaural symmetry. <i>Journal of the Acoustical Society of America</i> , 2021, 150, 920-935.	0.5	4
82	Effects of aging and hearing loss on perceptual and electrophysiological measures of pulse-rate discrimination. <i>Journal of the Acoustical Society of America</i> , 2022, 151, 1639-1650.	0.5	4
83	Internalized elevation perception of simple stimuli in cochlear-implant and normal-hearing listeners. <i>Journal of the Acoustical Society of America</i> , 2014, 136, 841-852.	0.5	3
84	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> , 2021, 149, 3052-3072.	0.5	3
85	Binaural Hearing and Across-Channel Processing. <i>Springer Handbook of Auditory Research</i> , 2021, , 181-207.	0.3	3
86	The effect of envelope modulations on binaural processing. <i>Hearing Research</i> , 2019, 379, 117-127.	0.9	2
87	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> , 2021, 149, 1488-1497.	0.5	2
88	Accuracy and cue use in word segmentation for cochlear-implant listeners and normal-hearing listeners presented vocoded speech. <i>Journal of the Acoustical Society of America</i> , 2021, 150, 2936-2951.	0.5	1
89	Intracranial lateralization bias observed in the presence of symmetrical hearing thresholds. <i>JASA Express Letters</i> , 2021, 1, 104401.	0.5	1
90	Children's syntactic parsing and sentence comprehension with a degraded auditory signal. <i>Journal of the Acoustical Society of America</i> , 2022, 151, 699-711.	0.5	1

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91	Open-Set Phoneme Recognition Performance With Varied Temporal Cues in Younger and Older Cochlear Implant Users. <i>Journal of Speech, Language, and Hearing Research</i> , 2022, 65, 1196-1211.	0.7	1
92	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> , 2022, 151, 924-938.	0.5	1
93	Interaural-time-difference thresholds for broad band-limited pulses are affected by relative bandwidth not temporal envelope sharpness. <i>JASA Express Letters</i> , 2021, 1, 124401.	0.5	1
94	Letter to the Editor: Possible Sex Effects on the Processing of Temporal Cues in Word Segments in Adult Cochlear-Implant Users. <i>Trends in Hearing</i> , 2020, 24, 233121652094667.	0.7	0
95	Stimulus context affects the phonemic categorization of temporally based word contrasts in adult cochlear-implant users. <i>Journal of the Acoustical Society of America</i> , 2022, 151, 2149-2158.	0.5	0
96	Impacts of signal processing factors on perceptual restoration in cochlear-implant users. <i>Journal of the Acoustical Society of America</i> , 2022, 151, 2898-2915.	0.5	0