

# Frederick J Gallun

## List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

96  
papers

2,384  
citations

27  
h-index

47  
g-index

127  
ext. papers

2,698  
ext. citations

2.7  
avg, IF

5.16  
L-index

#	Paper	IF	Citations
96	Enhanced pitch sensitivity in individuals with autism: a signal detection analysis. <i>Journal of Cognitive Neuroscience</i> , <b>2003</b> , 15, 226-35	3.1	335
95	The advantage of knowing where to listen. <i>Journal of the Acoustical Society of America</i> , <b>2005</b> , 118, 3804-15	1.5	199
94	Informational Masking. <i>Springer Handbook of Auditory Research</i> , <b>2008</b> , 143-189	1.2	147
93	Auditory and vestibular dysfunction associated with blast-related traumatic brain injury. <i>Journal of Rehabilitation Research and Development</i> , <b>2009</b> , 46, 797-810		125
92	Independent impacts of age and hearing loss on spatial release in a complex auditory environment. <i>Frontiers in Neuroscience</i> , <b>2013</b> , 7, 252	5.1	82
91	Spectrotemporal modulation sensitivity as a predictor of speech intelligibility for hearing-impaired listeners. <i>Journal of the American Academy of Audiology</i> , <b>2013</b> , 24, 293-306	1.3	70
90	Binaural interference and auditory grouping. <i>Journal of the Acoustical Society of America</i> , <b>2007</b> , 121, 1070-6	2.6	68
89	Performance on tests of central auditory processing by individuals exposed to high-intensity blasts. <i>Journal of Rehabilitation Research and Development</i> , <b>2012</b> , 49, 1005-25		67
88	The influence of spatial separation on divided listening. <i>Journal of the Acoustical Society of America</i> , <b>2006</b> , 120, 1506-16	2.2	57
87	Combining energetic and informational masking for speech identification. <i>Journal of the Acoustical Society of America</i> , <b>2005</b> , 118, 982-92	2.2	52
86	Distortion-product otoacoustic emission test performance for ototoxicity monitoring. <i>Ear and Hearing</i> , <b>2011</b> , 32, 61-74	3.4	48
85	Binaural release from informational masking in a speech identification task. <i>Journal of the Acoustical Society of America</i> , <b>2005</b> , 118, 1614-25	2.2	46
84	Spectrotemporal modulation sensitivity for hearing-impaired listeners: dependence on carrier center frequency and the relationship to speech intelligibility. <i>Journal of the Acoustical Society of America</i> , <b>2014</b> , 136, 301-16	2.2	45
83	Tinnitus onset rates from chemotherapeutic agents and ototoxic antibiotics: results of a large prospective study. <i>Journal of the American Academy of Audiology</i> , <b>2010</b> , 21, 409-17	1.3	45
82	Electrophysiological assessments of cognition and sensory processing in TBI: applications for diagnosis, prognosis and rehabilitation. <i>International Journal of Psychophysiology</i> , <b>2011</b> , 82, 4-15	2.9	43
81	Relating age and hearing loss to monaural, bilateral, and binaural temporal sensitivity. <i>Frontiers in Neuroscience</i> , <b>2014</b> , 8, 172	5.1	39
80	Implications of blast exposure for central auditory function: a review. <i>Journal of Rehabilitation Research and Development</i> , <b>2012</b> , 49, 1059-74		39

79	Spatial unmasking of birdsong in human listeners: energetic and informational factors. <i>Journal of the Acoustical Society of America</i> , <b>2005</b> , 118, 3766-73	2.2	39
78	Release from masking for small spatial separations: Effects of age and hearing loss. <i>Journal of the Acoustical Society of America</i> , <b>2016</b> , 140, EL73	2.2	37
77	Exploring the role of the modulation spectrum in phoneme recognition. <i>Ear and Hearing</i> , <b>2008</b> , 29, 800-134	3.4	34
76	Informational masking for simultaneous nonspeech stimuli: psychometric functions for fixed and randomly mixed maskers. <i>Journal of the Acoustical Society of America</i> , <b>2005</b> , 118, 2482-97	2.2	32
75	Auditory and Cognitive Factors Associated with Speech-in-Noise Complaints following Mild Traumatic Brain Injury. <i>Journal of the American Academy of Audiology</i> , <b>2017</b> , 28, 325-339	1.3	30
74	Spatial unmasking of birdsong in zebra finches ( <i>Taeniopygia guttata</i> ) and budgerigars ( <i>Melopsittacus undulatus</i> ). <i>Journal of Comparative Psychology (Washington, D C: 1983)</i> , <b>2009</b> , 123, 357-67 <sup>2.1</sup>	2.1	30
73	Hearing complaints among veterans following traumatic brain injury. <i>Brain Injury</i> , <b>2017</b> , 31, 1183-1187	2.1	28
72	Cortical Measures of Binaural Processing Predict Spatial Release from Masking Performance. <i>Frontiers in Human Neuroscience</i> , <b>2017</b> , 11, 124	3.3	28
71	The impact of noise and hearing loss on the processing of simultaneous sentences. <i>Ear and Hearing</i> , <b>2010</b> , 31, 213-20	3.4	27
70	The role of interaural differences on speech intelligibility in complex multi-talker environments. <i>Journal of the Acoustical Society of America</i> , <b>2017</b> , 141, EL170	2.2	25
69	Task-dependent costs in processing two simultaneous auditory stimuli. <i>Perception &amp; Psychophysics</i> , <b>2007</b> , 69, 757-71		25
68	The Benefits of Increased Sensation Level and Bandwidth for Spatial Release From Masking. <i>Ear and Hearing</i> , <b>2017</b> , 38, e13-e21	3.4	23
67	Auditory brainstem response demonstrates that reduced peripheral auditory input is associated with self-report of tinnitus. <i>Journal of the Acoustical Society of America</i> , <b>2019</b> , 146, 3849	2.2	23
66	Effect of hospital noise on patients' ability to hear, understand, and recall speech. <i>Research in Nursing and Health</i> , <b>2013</b> , 36, 228-41	2	22
65	Validating a Rapid, Automated Test of Spatial Release From Masking. <i>American Journal of Audiology</i> , <b>2017</b> , 26, 507-518	1.8	21
64	Individual sensitivity to spectral and temporal cues in listeners with hearing impairment. <i>Journal of Speech, Language, and Hearing Research</i> , <b>2015</b> , 58, 520-34	2.8	20
63	The ability to listen with independent ears. <i>Journal of the Acoustical Society of America</i> , <b>2007</b> , 122, 2814-25	2.5	20
62	Effects of Reverberation and Compression on Consonant Identification in Individuals with Hearing Impairment. <i>Ear and Hearing</i> , <b>2016</b> , 37, 144-52	3.4	18

61	Development and validation of Portable Automated Rapid Testing (PART) measures for auditory research. <i>Proceedings of Meetings on Acoustics</i> , <b>2018</b> , 33,	1	18
60	Application of the envelope difference index to spectrally sparse speech. <i>Journal of Speech, Language, and Hearing Research</i> , <b>2012</b> , 55, 824-37	2.8	16
59	Chronic effects of exposure to high-intensity blasts: Results on tests of central auditory processing. <i>Journal of Rehabilitation Research and Development</i> , <b>2016</b> , 53, 705-720		16
58	Normative Data for a Rapid, Automated Test of Spatial Release From Masking. <i>American Journal of Audiology</i> , <b>2018</b> , 27, 529-538	1.8	16
57	Portable Automated Rapid Testing (PART) for auditory assessment: Validation in a young adult normal-hearing population. <i>Journal of the Acoustical Society of America</i> , <b>2020</b> , 148, 1831	2.2	14
56	Amplification and consonant modulation spectra. <i>Ear and Hearing</i> , <b>2010</b> , 31, 268-76	3.4	13
55	Amplitude modulation sensitivity as a mechanism increment detection. <i>Journal of the Acoustical Society of America</i> , <b>2006</b> , 119, 3919-30	2.2	13
54	Blast Exposure Impairs Sensory Gating: Evidence from Measures of Acoustic Startle and Auditory Event-Related Potentials. <i>Journal of Neurotrauma</i> , <b>2019</b> , 36, 702-712	5.4	11
53	Temporal resolution with a prescriptive fitting formula. <i>American Journal of Audiology</i> , <b>2013</b> , 22, 216-25	1.8	9
52	The extent to which a position-based explanation accounts for binaural release from informational masking. <i>Journal of the Acoustical Society of America</i> , <b>2008</b> , 124, 439-49	2.2	9
51	The role of early and late reflections on spatial release from masking: Effects of age and hearing loss. <i>Journal of the Acoustical Society of America</i> , <b>2017</b> , 141, EL185	2.2	8
50	Frequency-dependent integration of auditory and vestibular cues for self-motion perception. <i>Journal of Neurophysiology</i> , <b>2020</b> , 123, 936-944	3.2	8
49	Hearing Impairment and Traumatic Brain Injury among Soldiers: Special Considerations for the Audiologist. <i>Seminars in Hearing</i> , <b>2009</b> , 30, 005-027	2	8
48	A Comparison of Behavioral Methods for Indexing the Auditory Processing of Temporal Fine Structure Cues. <i>Journal of Speech, Language, and Hearing Research</i> , <b>2019</b> , 62, 2018-2034	2.8	8
47	A Questionnaire Survey of Current Rehabilitation Practices for Adults With Normal Hearing Sensitivity Who Experience Auditory Difficulties. <i>American Journal of Audiology</i> , <b>2020</b> , 29, 738-761	1.8	8
46	The Characteristics of Adults with Severe Hearing Loss. <i>Journal of the American Academy of Audiology</i> , <b>2018</b> , 29, 764-779	1.3	8
45	Effects of hearing and aging on sentence-level time-gated word recognition. <i>Journal of Speech, Language, and Hearing Research</i> , <b>2015</b> , 58, 481-96	2.8	7
44	Impacts of age on memory for auditory intensity. <i>Journal of the Acoustical Society of America</i> , <b>2012</b> , 132, 944-56	2.2	7

43	Acoustical correlates of performance on a dynamic range compression discrimination task. <i>Journal of the Acoustical Society of America</i> , <b>2013</b> , 134, 2136-47	2.2	6
42	Informational masking increases the costs of monitoring multiple channels. <i>Journal of the Acoustical Society of America</i> , <b>2008</b> , 124, EL223-9	2.2	6
41	On the Contribution of Target Audibility to Performance in Spatialized Speech Mixtures. <i>Advances in Experimental Medicine and Biology</i> , <b>2016</b> , 894, 83-91	3.6	6
40	Contributions to Speech-Cue Weighting in Older Adults With Impaired Hearing. <i>Journal of Speech, Language, and Hearing Research</i> , <b>2020</b> , 63, 334-344	2.8	6
39	The detection of increments and decrements is not facilitated by abrupt onsets or offsets. <i>Journal of the Acoustical Society of America</i> , <b>2006</b> , 119, 3950-9	2.2	5
38	Announcing a New Registered Report Article Type at the .. <i>Journal of Speech, Language, and Hearing Research</i> , <b>2022</b> , 1-4	2.8	5
37	Comparing Spatial Release From Masking Using Traditional Methods and Portable Automated Rapid Testing iPad App. <i>American Journal of Audiology</i> , <b>2020</b> , 29, 907-915	1.8	5
36	Competing Views on Abnormal Auditory Results After Mild Traumatic Brain Injury. <i>Perspectives on Hearing and Hearing Disorders Research and Research Diagnostics</i> , <b>2015</b> , 19, 12		5
35	Age-Related Deficits in Electrophysiological and Behavioral Measures of Binaural Temporal Processing. <i>Frontiers in Neuroscience</i> , <b>2020</b> , 14, 578566	5.1	5
34	Impaired Binaural Hearing in Adults: A Selected Review of the Literature. <i>Frontiers in Neuroscience</i> , <b>2021</b> , 15, 610957	5.1	5
33	A two-component circular regression model for repeated measures auditory localization data. <i>Journal of the Royal Statistical Society Series C: Applied Statistics</i> , <b>2013</b> , 62, 515-534	1.5	4
32	Measurement with verification of stationary signals and noise in extremely quiet environments: measuring below the noise floor. <i>Journal of the Acoustical Society of America</i> , <b>2015</b> , 137, 1164-79	2.2	3
31	Reliability and Repeatability of the Speech Cue Profile. <i>Journal of Speech, Language, and Hearing Research</i> , <b>2018</b> , 61, 2126-2137	2.8	3
30	Exploring the factors predictive of informational masking in a speech recognition task <b>2013</b> ,		3
29	Age-Related Changes in Segregation of Sound Sources. <i>Springer Handbook of Auditory Research</i> , <b>2020</b> , 143-171	1.2	3
28	Broad binaural fusion impairs segregation of speech based on voice pitch differences in a cocktail party environment		3
27	Exponential spectro-temporal modulation generation. <i>Journal of the Acoustical Society of America</i> , <b>2021</b> , 149, 1434	2.2	3
26	Temporal integration of monaural and dichotic frequency modulation. <i>Journal of the Acoustical Society of America</i> , <b>2021</b> , 150, 745	2.2	3

25	Clinical Importance of Binaural Information: Extending Auditory Assessment in Clinical Populations Using a Portable Testing Platform. <i>American Journal of Audiology</i> , <b>2021</b> , 30, 655-668	1.8	3
24	Noise-induced enhancement of envelope following responses in normal-hearing adults. <i>Journal of the Acoustical Society of America</i> , <b>2020</b> , 147, EL201	2.2	2
23	Vowel identification by amplitude and phase contrast. <i>JARO - Journal of the Association for Research in Otolaryngology</i> , <b>2013</b> , 14, 125-37	3.3	2
22	The consonant-weighted envelope difference index (cEDI): a proposed technique for quantifying envelope distortion. <i>Journal of Speech, Language, and Hearing Research</i> , <b>2012</b> , 55, 1802-6	2.8	2
21	Temporal integration of monaural and dichotic frequency modulation		2
20	Behavioral and Neural Identification of Birdsong under Several Masking Conditions <b>2007</b> , 207-214		2
19	Concussion Management Guidelines Neglect Auditory Symptoms. <i>Clinical Journal of Sport Medicine</i> , <b>2020</b> ,	3.2	2
18	Verification of an automated headphone-based test of spatial release from masking <b>2016</b> ,		2
17	Blast Exposure and Self-Reported Hearing Difficulty in Service Members and Veterans Who Have Normal Pure-Tone Hearing Sensitivity: The Mediating Role of Posttraumatic Stress Disorder. <i>Journal of Speech, Language, and Hearing Research</i> , <b>2021</b> , 64, 4458-4467	2.8	2
16	FORUM: Remote testing for psychological and physiological acoustics. <i>Journal of the Acoustical Society of America</i> , <b>2022</b> , 151, 3116-3128	2.2	2
15	Community network for deaf scientists. <i>Science</i> , <b>2017</b> , 356, 386-387	33.3	1
14	Judgments of intensity for brief sequences. <i>Journal of the Acoustical Society of America</i> , <b>2010</b> , 127, EL166-71		1
13	Auditory Processing After Traumatic Brain Injury. <i>Perspectives of the ASHA Special Interest Groups</i> , <b>2017</b> , 2, 147-151	0.9	1
12	Binaural spatial adaptation as a mechanism for asymmetric trading of interaural time and level differences. <i>Journal of the Acoustical Society of America</i> , <b>2020</b> , 148, 526	2.2	1
11	Methods for expressing spectral modulation depth and the effects of modulator shape on spectral modulation detection thresholds <b>2019</b> ,		1
10	Training with an auditory perceptual learning game transfers to speech in competition. <i>Journal of Cognitive Enhancement: Towards the Integration of Theory and Practice</i> , <b>2021</b> , 1-20	2.4	1
9	Does the Speech Cue Profile Affect Response to Amplitude Envelope Distortion?. <i>Journal of Speech, Language, and Hearing Research</i> , <b>2021</b> , 64, 2053-2069	2.8	0
8	Clinical Ramifications of the Effects of Hearing Impairment and Aging on Spatial and Binaural Hearing. <i>Springer Handbook of Auditory Research</i> , <b>2021</b> , 317-347	1.2	0

7	Relating Suprathreshold Auditory Processing Abilities to Speech Understanding in Competition. <i>Brain Sciences</i> , <b>2022</b> , 12, 695	3.4	o
6	Letter to the Editor: Johnson, J. A., Xu, J., Cox, R. M. (2017). Impact of Hearing Aid Technology on Outcomes in Daily Life III: Localization, Ear Hear, 38, 746-759. <i>Ear and Hearing</i> , <b>2018</b> , 39, 398-399	3.4	
5	Theory construction in auditory perception: need for development of teaching materials. <i>Journal of the Acoustical Society of America</i> , <b>2007</b> , 122, 1014-6	2.2	
4	Impacts of Diabetes, Aging, and Hearing Loss on Speech-on-Speech Masking and Spatial Release in a Large Veteran Cohort. <i>American Journal of Audiology</i> , <b>2021</b> , 30, 1023-1036	1.8	
3	Modeling the role of duration in intensity increment detection <b>2005</b> , 236-242		
2	Cognition and Neural Coding: Perspectives for Audiologists. <i>Perspectives of the ASHA Special Interest Groups</i> , <b>2018</b> , 3, 61-76	0.9	
1	Effects of Signal Type and Noise Background on Auditory Evoked Potential N1, P2, and P3 Measurements in Blast-Exposed Veterans. <i>Ear and Hearing</i> , <b>2020</b> , 42, 106-121	3.4	