

# Michael A Stone

## 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.

62

papers

2,333

citations

28

h-index

48

g-index

64

ext. papers

2,591

ext. citations

2.7

avg, IF

5.16

L-index

| #  | Paper   | IF  | Citations |
|----|---|-----|-----------|
| 62 | Age-group differences in speech identification despite matched audiometrically normal hearing: contributions from auditory temporal processing and cognition. <i>Frontiers in Aging Neuroscience</i> , <b>2014</b> , 6, 347         | 5.3 | 225       |
| 61 | Effects of moderate cochlear hearing loss on the ability to benefit from temporal fine structure information in speech. <i>Journal of the Acoustical Society of America</i> , <b>2008</b> , 123, 1140-53                            | 2.2 | 135       |
| 60 | Notionally steady background noise acts primarily as a modulation masker of speech. <i>Journal of the Acoustical Society of America</i> , <b>2012</b> , 132, 317-26   | 2.2 | 122       |
| 59 | New version of the TEN test with calibrations in dB HL. <i>Ear and Hearing</i> , <b>2004</b> , 25, 478-87   | 3.4 | 111       |
| 58 | Benefits of linear amplification and multichannel compression for speech comprehension in backgrounds with spectral and temporal dips. <i>Journal of the Acoustical Society of America</i> , <b>1999</b> , 105, 400-11              | 2.2 | 97        |
| 57 | Tolerable hearing aid delays. I. Estimation of limits imposed by the auditory path alone using simulated hearing losses. <i>Ear and Hearing</i> , <b>1999</b> , 20, 182-92  | 3.4 | 90        |
| 56 | Syllabic compression: effective compression ratios for signals modulated at different rates. <i>International Journal of Audiology</i> , <b>1992</b> , 26, 351-61   |     | 84        |
| 55 | Development of a new method for deriving initial fittings for hearing aids with multi-channel compression: CAMEQ2-HF. <i>International Journal of Audiology</i> , <b>2010</b> , 49, 216-27  | 2.6 | 78        |
| 54 | Spectro-temporal characteristics of speech at high frequencies, and the potential for restoration of audibility to people with mild-to-moderate hearing loss. <i>Ear and Hearing</i> , <b>2008</b> , 29, 907-22                     | 3.4 | 75        |
| 53 | The importance for speech intelligibility of random fluctuations in "steady" background noise. <i>Journal of the Acoustical Society of America</i> , <b>2011</b> , 130, 2874-81   | 2.2 | 72        |
| 52 | Benefit of high-rate envelope cues in vocoder processing: effect of number of channels and spectral region. <i>Journal of the Acoustical Society of America</i> , <b>2008</b> , 124, 2272-82  | 2.2 | 72        |
| 51 | Side effects of fast-acting dynamic range compression that affect intelligibility in a competing speech task. <i>Journal of the Acoustical Society of America</i> , <b>2004</b> , 116, 2311-23                                      | 2.2 | 68        |
| 50 | Comparison of different forms of compression using wearable digital hearing aids. <i>Journal of the Acoustical Society of America</i> , <b>1999</b> , 106, 3603-19  | 2.2 | 68        |
| 49 | Effect of spatial separation, extended bandwidth, and compression speed on intelligibility in a competing-speech task. <i>Journal of the Acoustical Society of America</i> , <b>2010</b> , 128, 360-71                              | 2.2 | 65        |
| 48 | Quantifying the effects of fast-acting compression on the envelope of speech. <i>Journal of the Acoustical Society of America</i> , <b>2007</b> , 121, 1654-64  | 2.2 | 58        |
| 47 | Effect of the speed of a single-channel dynamic range compressor on intelligibility in a competing speech task. <i>Journal of the Acoustical Society of America</i> , <b>2003</b> , 114, 1023-34                                    | 2.2 | 58        |
| 46 | Effects of spectro-temporal modulation changes produced by multi-channel compression on intelligibility in a competing-speech task. <i>Journal of the Acoustical Society of America</i> , <b>2008</b> , 123, 1063-76 <sup>2.2</sup> |     | 56        |

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| 45 | Tolerable hearing aid delays. V. Estimation of limits for open canal fittings. <i>Ear and Hearing</i> , <b>2008</b> , 29, 601-17   | 3-4 | 54 |
| 44 | Tolerable hearing aid delays. III. Effects on speech production and perception of across-frequency variation in delay. <i>Ear and Hearing</i> , <b>2003</b> , 24, 175-83   | 3-4 | 54 |
| 43 | Tolerable hearing aid delays. II. Estimation of limits imposed during speech production. <i>Ear and Hearing</i> , <b>2002</b> , 23, 325-38   | 3-4 | 53 |
| 42 | On the near non-existence of "pure" energetic masking release for speech. <i>Journal of the Acoustical Society of America</i> , <b>2014</b> , 135, 1967-77   | 2.2 | 52 |
| 41 | Determination of preferred parameters for multichannel compression using individually fitted simulated hearing AIDS and paired comparisons. <i>Ear and Hearing</i> , <b>2011</b> , 32, 556-68                            | 3-4 | 47 |
| 40 | Optimization of a slow-acting automatic gain control system for use in hearing aids. <i>International Journal of Audiology</i> , <b>1991</b> , 25, 171-82  |     | 46 |
| 39 | Comparison of dual-time-constant and fast-acting automatic gain control (AGC) systems in cochlear implants. <i>International Journal of Audiology</i> , <b>2009</b> , 48, 211-21   | 2.6 | 42 |
| 38 | Preliminary evaluation of a method for fitting hearing aids with extended bandwidth. <i>International Journal of Audiology</i> , <b>2010</b> , 49, 741-53  | 2.6 | 41 |
| 37 | Simplified measurement of auditory filter shapes using the notched-noise method. <i>International Journal of Audiology</i> , <b>1992</b> , 26, 329-34  |     | 38 |
| 36 | Discrimination of envelope statistics reveals evidence of sub-clinical hearing damage in a noise-exposed population with normal hearing thresholds. <i>International Journal of Audiology</i> , <b>2008</b> , 47, 737-50 | 2.6 | 34 |
| 35 | Tolerable hearing-aid delays: IV. effects on subjective disturbance during speech production by hearing-impaired subjects. <i>Ear and Hearing</i> , <b>2005</b> , 26, 225-35   | 3-4 | 33 |
| 34 | A role for amplitude modulation phase relationships in speech rhythm perception. <i>Journal of the Acoustical Society of America</i> , <b>2014</b> , 136, 366-81   | 2.2 | 24 |
| 33 | Contribution of very low amplitude-modulation rates to intelligibility in a competing-speech task (L). <i>Journal of the Acoustical Society of America</i> , <b>2009</b> , 125, 1277-80                                  | 2.2 | 23 |
| 32 | Relative contribution to speech intelligibility of different envelope modulation rates within the speech dynamic range. <i>Journal of the Acoustical Society of America</i> , <b>2010</b> , 128, 2127-37                 | 2.2 | 22 |
| 31 | Effects of the fitting parameters of a two-channel compression system on the intelligibility of speech in quiet and in noise. <i>International Journal of Audiology</i> , <b>1992</b> , 26, 369-79                       |     | 21 |
| 30 | Energetic Masking and Masking Release. <i>Springer Handbook of Auditory Research</i> , <b>2017</b> , 41-73   | 1.2 | 19 |
| 29 | Effects of three amplification strategies on speech perception by children with severe and profound hearing loss. <i>Ear and Hearing</i> , <b>2005</b> , 26, 35-47   | 3-4 | 18 |
| 28 | Evaluation of a method for enhancing interaural level differences at low frequencies. <i>Journal of the Acoustical Society of America</i> , <b>2016</b> , 140, 2817  | 2.2 | 18 |

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|----|---|-----|----|
| 27 | The near non-existence of "pure" energetic masking release for speech: Extension to spectro-temporal modulation and glimpsing. <i>Journal of the Acoustical Society of America</i> , <b>2016</b> , 140, 832                                     | 2.2 | 16 |
| 26 | High-rate envelope information in many channels provides resistance to reduction of speech intelligibility produced by multi-channel fast-acting compression. <i>Journal of the Acoustical Society of America</i> , <b>2009</b> , 126, 2155-8   | 2.2 | 16 |
| 25 | Amplitude-modulation detection by recreational-noise-exposed humans with near-normal hearing thresholds and its medium-term progression. <i>Hearing Research</i> , <b>2014</b> , 317, 50-62   | 3.9 | 14 |
| 24 | Application of Data Mining to "Big Data" Acquired in Audiology: Principles and Potential. <i>Trends in Hearing</i> , <b>2018</b> , 22, 2331216518776817   | 3.2 | 13 |
| 23 | Direct-to-Consumer Hearing Devices: Capabilities, Costs, and Cosmetics. <i>Trends in Hearing</i> , <b>2019</b> , 23, 2331216519858301   | 3.2 | 11 |
| 22 | A version of the TEN Test for use with ER-3A insert earphones. <i>Ear and Hearing</i> , <b>2012</b> , 33, 554-7   | 3.4 | 11 |
| 21 | A technique for estimating the occlusion effect for frequencies below 125 Hz. <i>Ear and Hearing</i> , <b>2014</b> , 35, 49-55  | 3.4 | 10 |
| 20 | Application of Data Mining to a Large Hearing-Aid Manufacturer's Dataset to Identify Possible Benefits for Clinicians, Manufacturers, and Users. <i>Trends in Hearing</i> , <b>2018</b> , 22, 2331216518773632                                  | 3.2 | 9  |
| 19 | Estimated variability of real-ear insertion response (REIR) due to loudspeaker type and placement. <i>International Journal of Audiology</i> , <b>2004</b> , 43, 271-5  | 2.6 | 8  |
| 18 | Use of high-rate envelope speech cues and their perceptually relevant dynamic range for the hearing impaired. <i>Journal of the Acoustical Society of America</i> , <b>2012</b> , 132, 1141-51  | 2.2 | 7  |
| 17 | The dynamic range of useful temporal fine structure cues for speech in the presence of a competing talker. <i>Journal of the Acoustical Society of America</i> , <b>2011</b> , 130, 2162-72   | 2.2 | 6  |
| 16 | Effects of fast-acting high-frequency compression on the intelligibility of speech in steady and fluctuating background sounds. <i>International Journal of Audiology</i> , <b>1997</b> , 31, 257-73  |     | 6  |
| 15 | FreeHear: A New Sound-Field Speech-in-Babble Hearing Assessment Tool. <i>Trends in Hearing</i> , <b>2019</b> , 23, 2331216519872378   | 3.2 | 6  |
| 14 | Effects of wide dynamic-range compression on the perceived clarity of individual musical instruments. <i>Journal of the Acoustical Society of America</i> , <b>2015</b> , 137, 1867-76  | 2.2 | 5  |
| 13 | Effect of the number of amplitude-compression channels and compression speed on speech recognition by listeners with mild to moderate sensorineural hearing loss. <i>Journal of the Acoustical Society of America</i> , <b>2020</b> , 147, 1344 | 2.2 | 4  |
| 12 | Recording Obligatory Cortical Auditory Evoked Potentials in Infants: Quantitative Information on Feasibility and Parent Acceptability. <i>Ear and Hearing</i> , <b>2020</b> , 41, 630-639   | 3.4 | 4  |
| 11 | Improving hearing-aid gains based on automatic speech recognition. <i>Journal of the Acoustical Society of America</i> , <b>2020</b> , 148, EL227   | 2.2 | 4  |
| 10 | A Set of Time-and-Frequency-Localized Short-Duration Speech-Like Stimuli for Assessing Hearing-Aid Performance via Cortical Auditory-Evoked Potentials. <i>Trends in Hearing</i> , <b>2019</b> , 23, 2331216519885368                           |     | 4  |

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| 9 | Improving the measurement and acoustic performance of transparent face masks and shields. <i>Journal of the Acoustical Society of America</i> , <b>2022</b> , 151, 2931-2944                   | 2.2 | 3 |
| 8 | Evaluation of a system for enhancing mobile telephone communication for people with hearing loss. <i>International Journal of Audiology</i> , <b>2019</b> , 58, 417-426                        | 2.6 | 1 |
| 7 | Measuring access to high-modulation-rate envelope speech cues in clinically fitted auditory prostheses. <i>Journal of the Acoustical Society of America</i> , <b>2020</b> , 147, 1284          | 2.2 | 1 |
| 6 | OPRA-RS: A Hearing-Aid Fitting Method Based on Automatic Speech Recognition and Random Search.. <i>Frontiers in Neuroscience</i> , <b>2022</b> , 16, 779048                                    | 5.1 | 1 |
| 5 | Low-sound-level auditory processing in noise-exposed adults. <i>Hearing Research</i> , <b>2021</b> , 409, 108309   | 3.9 | 0 |
| 4 | Evaluation of an aided TEN test for diagnosis of dead regions in the cochlea. <i>Ear and Hearing</i> , <b>2008</b> , 29, 392-400   | 3.4 |   |
| 3 | International technical standards: Whose problem is it? Response to M. C. Martin. <i>International Journal of Audiology</i> , <b>2002</b> , 41, 374-374  | 2.6 |   |
| 2 | Consumer-Grade Headphones for Children: Limited Effectiveness of "Level Limiters" When Used With Portable or Home Media Players. <i>Trends in Hearing</i> , <b>2019</b> , 23, 2331216519889232 | 3.2 |   |
| 1 | Using Automatic Speech Recognition to Optimize Hearing-Aid Time Constants.. <i>Frontiers in Neuroscience</i> , <b>2022</b> , 16, 779062  | 5.1 |   |