

Armin Kohlrausch

List of Publications by Year in descending order

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Version: 2024-02-01

39
papers

2,964
citations

331670

21
h-index

302126

39
g-index

42
all docs

42
docs citations

42
times ranked

1033
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 1 | Perceptual similarity between piano notes: Simulations with a template-based perception model. Journal of the Acoustical Society of America, 2021, 149, 3534-3552. | 1.1 | 10 |
| 2 | Assessing the perceived reverberation in different rooms for a set of musical instrument sounds. Journal of the Acoustical Society of America, 2020, 148, EL93-EL98. | 1.1 | 2 |
| 3 | Perceptual similarity between piano notes: Experimental method applicable to reverberant and non-reverberant sounds. Journal of the Acoustical Society of America, 2019, 146, 1024-1035. | 1.1 | 1 |
| 4 | Auditory Modelling of the Perceptual Similarity Between Piano Sounds. Acta Acustica United With Acustica, 2018, 104, 930-934. | 0.8 | 5 |
| 5 | Predicting the perceived reverberation in different room acoustic environments using a binaural auditory model. Journal of the Acoustical Society of America, 2017, 141, EL381-EL387. | 1.1 | 7 |
| 6 | Why orchestral musicians are bound to wear earplugs: About the ineffectiveness of physical measures to reduce sound exposure. Journal of the Acoustical Society of America, 2017, 142, 3154-3164. | 1.1 | 5 |
| 7 | Modelling the sensation of fluctuation strength. Proceedings of Meetings on Acoustics, 2016, , . | 0.3 | 7 |
| 8 | Where Mathematics and Hearing Science Meet: Low Peak Factor Signals and Their Role in Hearing Research. , 2015, , 113-144. | | 0 |
| 9 | Tone-in-Noise Detection: Observed Discrepancies in Spectral Integration. , 2010, , 133-141. | | 0 |
| 10 | On the ability to discriminate Gaussian-noise tokens or random tone-burst complexes. Journal of the Acoustical Society of America, 2008, 124, 2251-2262. | 1.1 | 16 |
| 11 | Sound segregation based on temporal envelope structure and binaural cues. Journal of the Acoustical Society of America, 2008, 124, 1130-1145. | 1.1 | 13 |
| 12 | Parametric Coding of Stereo Audio. Eurasip Journal on Advances in Signal Processing, 2005, 2005, 1. | 1.7 | 92 |
| 13 | Audio-Visual Interaction in the Context of Multi-Media Applications. , 2005, , 109-138. | | 25 |
| 14 | A Perceptual Model for Sinusoidal Audio Coding Based on Spectral Integration. Eurasip Journal on Advances in Signal Processing, 2005, 2005, 1. | 1.7 | 52 |
| 15 | Binaural processing model based on contralateral inhibition. II. Dependence on spectral parameters. Journal of the Acoustical Society of America, 2001, 110, 1089-1104. | 1.1 | 55 |
| 16 | The influence of interaural stimulus uncertainty on binaural signal detection. Journal of the Acoustical Society of America, 2001, 109, 331-345. | 1.1 | 17 |
| 17 | Binaural processing model based on contralateral inhibition. I. Model structure. Journal of the Acoustical Society of America, 2001, 110, 1074-1088. | 1.1 | 185 |
| 18 | Binaural processing model based on contralateral inhibition. III. Dependence on temporal parameters. Journal of the Acoustical Society of America, 2001, 110, 1105-1117. | 1.1 | 54 |

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 19 | The influence of carrier level and frequency on modulation and beat-detection thresholds for sinusoidal carriers. <i>Journal of the Acoustical Society of America</i> , 2000, 108, 723-734. | 1.1 | 225 |
| 20 | The contribution of static and dynamically varying ITDs and IIDs to binaural detection. <i>Journal of the Acoustical Society of America</i> , 1999, 106, 979-992. | 1.1 | 19 |
| 21 | Intrinsic envelope fluctuations and modulation-detection thresholds for narrow-band noise carriers. <i>Journal of the Acoustical Society of America</i> , 1999, 106, 2752-2760. | 1.1 | 93 |
| 22 | Dependence of binaural masking level differences on center frequency, masker bandwidth, and interaural parameters. <i>Journal of the Acoustical Society of America</i> , 1999, 106, 1940-1947. | 1.1 | 73 |
| 23 | Diotic and dichotic detection using multiplied-noise maskers. <i>Journal of the Acoustical Society of America</i> , 1998, 103, 2100-2110. | 1.1 | 29 |
| 24 | Binaural signal detection with phase-shifted and time-delayed noise maskers. <i>Journal of the Acoustical Society of America</i> , 1998, 103, 2079-2083. | 1.1 | 9 |
| 25 | Modeling auditory processing of amplitude modulation. I. Detection and masking with narrow-band carriers. <i>Journal of the Acoustical Society of America</i> , 1997, 102, 2892-2905. | 1.1 | 513 |
| 26 | Modeling auditory processing of amplitude modulation. II. Spectral and temporal integration. <i>Journal of the Acoustical Society of America</i> , 1997, 102, 2906-2919. | 1.1 | 288 |
| 27 | A new approach to comparing binaural masking level differences at low and high frequencies. <i>Journal of the Acoustical Society of America</i> , 1997, 101, 1671-1680. | 1.1 | 148 |
| 28 | A quantitative model of the "effective" signal processing in the auditory system. I. Model structure. <i>Journal of the Acoustical Society of America</i> , 1996, 99, 3615-3622. | 1.1 | 474 |
| 29 | A quantitative model of the "effective" signal processing in the auditory system. II. Simulations and measurements. <i>Journal of the Acoustical Society of America</i> , 1996, 99, 3623-3631. | 1.1 | 127 |
| 30 | Phase effects in masking related to dispersion in the inner ear. II. Masking period patterns of short targets. <i>Journal of the Acoustical Society of America</i> , 1995, 97, 1817-1829. | 1.1 | 113 |
| 31 | The role of distortion products in masking by single bands of noise. <i>Journal of the Acoustical Society of America</i> , 1995, 98, 3125-3134. | 1.1 | 2 |
| 32 | Analytical expressions for the envelope correlation of certain narrow-band stimuli. <i>Journal of the Acoustical Society of America</i> , 1995, 98, 3157-3169. | 1.1 | 23 |
| 33 | Effect of masker level on overshoot in running and frozen noise maskers. <i>Journal of the Acoustical Society of America</i> , 1994, 95, 2192-2201. | 1.1 | 75 |
| 34 | Comment on "Temporal modulation transfer functions in patients with cochlear implants" [J. Acoust. Soc. Am. 91, 2156-2164 (1992)]. <i>Journal of the Acoustical Society of America</i> , 1993, 93, 1649-1650. | 1.1 | 21 |
| 35 | Spectral integration of broadband signals in diotic and dichotic masking experiments. <i>Journal of the Acoustical Society of America</i> , 1992, 91, 317-326. | 1.1 | 19 |
| 36 | Differences in auditory performance between monaural and diotic conditions. I: Masked thresholds in frozen noise. <i>Journal of the Acoustical Society of America</i> , 1992, 91, 3456-3470. | 1.1 | 31 |

| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 37 | Auditory filter shape derived from binaural masking experiments. Journal of the Acoustical Society of America, 1988, 84, 573-583. | 1.1 | 39 |
| 38 | The influence of signal duration, signal frequency and masker duration on binaural masking level differences. Hearing Research, 1986, 23, 267-273. | 2.0 | 25 |
| 39 | Phase effects in masking related to dispersion in the inner ear. Journal of the Acoustical Society of America, 1986, 80, 1631-1637. | 1.1 | 65 |