

FULL LIST OF PUBLICATIONS

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Journal articles (international, referee)

- [1] H. Korhola, A. Mäkivirta, and M. Karjalainen, “[Virtualized Listening Tests for Loudspeakers](#),” *J. Audio Eng. Soc.*, vol. 57, pp. 237–251, April 2009.
- [2] T. Hiekkänen and M. Karjalainen, “[Perceptual Study and Auditory Analysis on Digital Crossover Filters](#),” *J. Audio Eng. Soc.*, vol. 57, pp. 413–429, June 2009.
- [3] M. Karjalainen, “[Efficient Realization of Wave Digital Components for Physical Modeling and Sound Synthesis](#),” *IEEE Transactions on Audio, Speech and Language Processing*, vol. 16, pp. 947 – 956, July 2008.
- [4] V. Pulkki and M. Karjalainen, “[Multichannel audio rendering using amplitude panning](#),” *IEEE Signal Processing Magazine*, vol. 25, pp. 118 – 122, May 2008.
- [5] R. Rabenstein, S. Petrusch, A. Sarti, G. D. Sanctis, C. Erkut, and M. Karjalainen, “[Block-based physical modeling for digital sound synthesis](#),” *IEEE Signal Processing Magazine*, vol. 24, pp. 42–54, March 2007. Special issue on sound synthesis.
- [6] M. Karjalainen and T. Paatero, “[Equalization of Loudspeaker and Room Responses Using Kautz Filters: Direct Least Squares Design](#),” *EURASIP J. Advances in Signal Processing*, vol. 2007, no. 7, p. 13, 2007. Article ID 60949.
- [7] M. Karjalainen, T. Mäki-Patola, A. Kanerva, and A. Huovilainen, “[Virtual Air Guitar](#),” *J. Audio Eng. Soc.*, vol. 54, no. 10, pp. 964–980, 2006.
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- [14] V. Välimäki, A. Sarti, M. Karjalainen, R. Rabenstein, and L. Savioja, “[Editorial: Special Issue on Model-Based Sound Synthesis](#),” *EURASIP J. Applied Signal Processing – Special Issue on Model-Based Sound Synthesis*, vol. 2004, pp. 923–925, June 2004.
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