

Jacek Wodecki

Lista publikacji

1. Wodecki, J., Michalak, A., Zimroz, R. (2018). Optimal filter design with progressive genetic algorithm for local damage detection in rolling bearings. *Mechanical Systems and Signal Processing*, 102, 102-116. DOI: 10.1016/j.ymssp.2017.09.008
2. Wodecki, J., Michalak, A., Zimroz, R., Wyłomańska, A. (2020). Separation of multiple local-damage-related components from vibration data using Nonnegative Matrix Factorization and multichannel data fusion. *Mechanical Systems and Signal Processing*, 145, 106954. DOI: 10.1016/j.ymssp.2020.106954
3. Wodecki, J., Michalak, A., Zimroz, R., Barszcz, T., Wyłomańska, A. (2019). Impulsive source separation using combination of Nonnegative Matrix Factorization of bi-frequency map, spatial denoising and Monte Carlo simulation. *Mechanical Systems and Signal Processing*, 127, 89-101. DOI:10.1016/j.ymssp.2019.02.052
4. Wodecki, J., Michalak, A., Zimroz, R. (2021). Local damage detection based on vibration data analysis in the presence of Gaussian and heavy-tailed impulsive noise. *Measurement*, 169, 108400. DOI: 10.1016/j.measurement.2020.108400
5. Wodecki, J., Kruczek, P., Bartkowiak, A., Zimroz, R., Wyłomańska, A. (2019). Novel method of informative frequency band selection for vibration signal using Nonnegative Matrix Factorization of spectrogram matrix. *Mechanical Systems and Signal Processing*, 130, 585-596. DOI: 10.1016/j.ymssp.2019 .05 .020