

Investigation of the reconstruction accuracy of guided wave tomography using full waveform inversion

Rao, Jing; **Ratassepp, Madis**; Fan, Zheng Journal of sound and vibration 2017 / p. 317-328 : ill <https://doi.org/10.1016/j.jsv.2017.04.017>

Multi-parameter reconstruction of velocity and density using ultrasonic tomography based on full waveform inversion

Rao, Jing; Yang, Jizhong; **Ratassepp, Madis**; Fan, Zheng Ultrasonics 2020 / art. 106004, 10 p. : ill

<https://doi.org/10.1016/j.ultras.2019.106004> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

On-line corrosion monitoring of plate structures based on guided wave tomography using piezoelectric sensors

Rao, Jing; **Ratassepp, Madis**; Lisevych, Danylo; Caffoor, Mahadhir Hamzah; Fan, Zheng Sensors 2017 / art. 2882, p. 1-14 : ill

<https://doi.org/10.3390/s17122882> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Optimising full waveform inversion with inhomogeneous transducers : parameters and considerations for successful implementation

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Optimising full waveform inversion with inhomogeneous transducers: Parameters and considerations for successful implementation

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2025 / art. 103265 <https://doi.org/10.1016/j.ndteint.2024.103265>

Quantification of thickness loss in a liquid-loaded plate using ultrasonic guided wave tomography

Rao, Jing; **Ratassepp, Madis**; Fan, Zheng Smart materials and structures 2017 / art. 125017, 10 p : ill <http://dx.doi.org/10.1088/1361-665X/aa95e9>

Quantitative imaging of Young's modulus in plates using guided wave tomography

Ratassepp, Madis; Rao, Jing; Fan, Zheng NDT&E international 2018 / p. 22-30 : ill <https://doi.org/10.1016/j.ndteint.2017.09.016>