

Damage detection in quasi-isotropic composite bends using ultrasonic feature guided waves

Yu, Xudong; **Ratassepp, Madis**; Fan, Zheng Composites Science and Technology 2017 / p. 120-129 : ill

<https://doi.org/10.1016/j.compscitech.2017.01.011>

Evaluation of elastic constants in composite laminates with guided wave tomography [Online resource]

Ratassepp, Madis; Rao, Jing; Yu, X.; Fan, Zheng 12th European Conference on Non-destructive Testing : proceedings 2018 / 7 p. :

ill <http://cdn.ecndt2018.com/wp-content/uploads/2018/05/ecndt-0597-2018-File001.pdf> <http://www.ecndt2018.com/programme/list-of-authors/>

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>

Modeling the effect of anisotropy in ultrasonic-guided wave tomography

Ratassepp, Madis; Rao, Jing; Yu, Xudong; Fan, Zheng IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control

2022 / p. 330-339 : ill <https://doi.org/10.1109/TUFFC.2021.3114432> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

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](#)

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>

Quantification of thickness loss in liquid-loaded pipes based on guided wave tomography

Rao, Jing; **Ratassepp, Madis**; Fan, Zheng The 7th Asia-Pacific Workshop on Structural Health Monitoring, 2018 Nov, Hong Kong, China (APWSHM 2018) 2019 / 9 p. : ill <https://www.ndt.net/search/docs.php3?id=24103>

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>

Ultrasonic imaging of irregularly shaped notches based on elastic reverse time migration

Rao, Jing; Saini, Abhishek; Yang, Jizhong; **Ratassepp, Madis**; Fan, Zheng NDT&E international 2019 / art. 102135, 5 p. : ill

<https://doi.org/10.1016/j.ndteint.2019.102135> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)