Publikationen Julia Jungbluth, Stand 13. Januar 2026

Peer-Reviewed Paper:

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[2] J. Rehra *u. a.*, „Damage and failure mechanisms of hybrid carbon fiber and steel fiber reinforced polymer composites“, *Compos. Part Appl. Sci. Manuf.*, Bd. 185, S. 108366, Okt. 2024, doi: 10.1016/j.compositesa.2024.108366.

[3] A. Gapeeva *u. a.*, „Pull-Out Testing of Electrochemically Etched NiTi Shape Memory Alloy Wires in Shape Memory Alloy Hybrid Composites“, *Adv. Eng. Mater.*, Bd. 26, Nr. 9, S. 2301912, Mai 2024, doi: 10.1002/adem.202301912.

[4] J. Jungbluth *u. a.*, „Interface failure analysis of embedded NiTi SMA wires using in situ high-resolution X-ray synchrotron tomography“, *Mater. Charact.*, Bd. 205, S. 113345, Nov. 2023, doi: 10.1016/j.matchar.2023.113345.

[5] S. Arweiler-Böllert, M. Liesegang, T. Beck, J. Jungbluth, und S. Schmeer, „Relation Between Interface Geometry and Tensile Shear Strength of Ultrasonically Welded Joints“, *J. Mater. Eng. Perform.*, Bd. 32, Nr. 22, S. 10469–10485, Nov. 2023, doi: 10.1007/s11665-023-08325-2.

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[10] J. Jungbluth geb. Vogtmann, C. Schmidt, A. Gapeeva, S. Bruns, F. Beckmann, J. Moosmann, B. Zeller-Plum-Hoff, J. Carstensen, R. Adelung, M. Gurka, „Characterization and improvement of SMA-polymer interface in active hybrid composites.“, ICCM23, Belfast, Ireland, Aug. 2023

[11] Y. Harutyun, J. Vogtmann, M. Gurka, „Development of a New Methodology for Automated Quantification of Impact Induced Damage Pattern in CFRP Measured by IRT and X-Ray Radiography.“, ECCM20; Lausanne, Schwiss, June 2022 30.06 2022.

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