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**Laboratory for Joining Technologies & Corrosion**

**Publications 2025**

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- J. Yeom, C. Cancellieri, J. Janczak-Rusch, Novel degradation mechanism of Cu/Nb nanomultilayers into nanocomposite structure with hillock growth, *Applied Surface Science* 693 (2025) 162805 [DOI: [10.1016/j.apsusc.2025.162805](https://doi.org/10.1016/j.apsusc.2025.162805)].
- C. Cancellieri, G. Lorenzin, M. Lyanage, V. Turlo, J.F. Watts, L.P.H. Jeurgens, Chemical and Electronic Structure of Buried W/Cu, W/Cr, and W/Mo Interfaces by In Situ XPS/HAXPES Auger Parameter Analysis, *Surface and Interface Analysis* (2025) [DOI: [10.1002/sia.7391](https://doi.org/10.1002/sia.7391)].
- O. Guseva, P. Schmutz, L. P.H. Jeurgens, Predicting metastable oxide-to-hydroxide phase transformations by bulk and interface thermodynamics: Application to the phase stability of aluminium oxides and hydroxides in water, *Acta Materialia* 283 (2025) 120472 [DOI: [10.1016/j.actamat.2024.120472](https://doi.org/10.1016/j.actamat.2024.120472)].