

MNaF List of Publications (updated 20/04/2023)

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- S. Laube et. al., Formation and thermal stability of two-phase microstructures in Al-containing refractory compositionally complex alloys, **Science and Technology of Advanced Materials** 23, (2022), 692-706
- M. Yazlak et. al., Thermodynamic modelling of the V-Ti-B system, **Calphad** 79, (2022), 102477
- K. Fota et. al., Thermomechanical fatigue behaviour of roughing mill work roll alloys, **Proceedings of LCF9 - Ninth International Conference on Low Cycle Fatigue, Berlin, 21.-23. Juni 2022, T. Beck und E. Charkaluk (Hg.), DVM, Berlin, (2022), 19-24**
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- C. D. Schmidt, H.-J. Christ, A. von Hehl, Hydrogen as a temporary alloying element for establishing specific microstructural gradients in Ti-6Al-4V, **Special Issue metals** 12, (2022), 1267
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- Q. Wu et. al., A modern look at a medieval bilayer metal leaf: nanotomography of Zwischgold, **Nanoscale** 14, (2022), 15165-15180
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- A. Wildeis et. al., Prüftechnik zur Untersuchung der Ermüdungsschädigungsentwicklung in einem martensitischen Federstahl, **Tagungsband der Tagung Werkstoffprüfung, Dresden, 27.+28.10.2022. DGM - Deutsche Gesellschaft für Materialkunde e.V.**, (2022), 393-399

- A. Wildeis, R. Brandt, H.-J. Christ, Influence of Residual Stresses on the Crack Initiation and Short Crack Propagation in a Martensitic Spring Steel, **Metals**, 12 (7) (2022) 1085
- N. Nagarjuna et. al., On the low temperature creep controlling mechanism in a high strength spring steel, **Journal of Materials Research and Technology** 21 (2022), 2309-2315
- R. Brandt et. al., The impact of additive manufacturing on the mechanical properties of a stainless precipitation hardening steel, **Science and Technology of Advanced Materials: Methods**, 2 (1), (2022), 38-49
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- H. Choi et. al., Carboxylic acid end-capped brushes on titanium via interface-mediated RAFT polymerization and cell surface interactions, **ACS Appl. Polym. Mater.**, 4, (2022), 755 - 765
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