Dr. rer. nat. Tatiana Lyapin (zuvor Liapina)

VERÖFFENTLICHUNGEN

- T. Liapina, A. Leineweber and E.J. Mittemeijer „Nitrogen Redistribution in ε/γ'-Iron Nitride Compound Layers upon Annealing", Scripta Materialia 48, 1643-1648 (2003).
- T. Liapina, A. Leineweber, E.J. Mittemeijer and W. Kockelmann „The Lattice Parameters of ε-Iron Nitrides: Lattice Strains due to a Varying Degree of Nitrogen Ordering", Acta Materialia 52, 173-180 (2004).
- T. Liapina, A. Leineweber and E.J. Mittemeijer „Phase Transformations in ε-/γ'-Iron Nitride Compound Layers in the Temperature Range of 613K—693K", Defect and Diffusion Forum 237-240, 1147-1152 (2005).
- T. Liapina, A. Leineweber, E.J. Mittemeijer, M. Knapp, C. Baehtz, Z.Q. Liu, K. Mitsuishi and K. Furuya „γ'-Fe4N Formation in Decomposing ε-Fe3N: A Powder Diffraction Study Using Synchrotron Radiation", Zeitschrift für Kristallographie Suppl. 23, 449-454 (2006).
- T. Liapina, A. Leineweber and E.J. Mittemeijer „Phase Transformations in Iron-Nitride Compound Layers upon Low-Temperature Annealing: Diffusion Kinetics of Nitrogen in ε- and γ'-Iron Nitrides", Metallurgical and Materials Transactions A 37A, 319-330 (2006).
- A. Leineweber, T. Liapina, T. Gressmann, M. Nikolussi and E.J. Mittemeijer „Phase Transformations and Interstitial Atom Diffusion in Iron-Nitride, Iron-Carbonitride and Iron-Carbide Layers", Advances in Science and Technology 46, 32-41 (2006).
- T. Liapina, D. Vogel, Ch. Sternemann and M. Spiegel "Phase characterization of thin oxide scales grown on FeAl alloys", Second DELTA User meeting, Report 2006, Dortmund.
- T. Liapina, M. Spiegel, and F. Stein: "Short-Term Oxidation of Fe-Al: Effect of Ternary Elements and Al Content", 4th Discussion Meeting on the Development of Innovative Iron Aluminium Alloys, Oct. 24, 2007, Interlaken, Switzerland

TAGUNGEN

- MCTM: Summer School on Mass and Charge Transport in Materials, 13-17 July 2004, Krakow, Poland
- DIMAT 2004: 6th international conference on diffusion in materials, 18-23 July 2004, Krakow, Poland.
- 3rd Disc. Meeting on the Development of Innovative Iron Aluminium Alloys, 22-24 January 2006, Mettmann-Düsseldorf, Germany