

- List of Publications and Patents –

Hans Jürgen Seifert

Peer-reviewed articles

1. F. Aldinger and H. J. Seifert, Konstitution als Schlüssel zur Werkstoffentwicklung, *Z. Metallkd.* **84** (1993) 2-10.
2. B. Burton, T. G. Chart, H. L. Lukas, A. D. Pelton, H. J. Seifert and P. J. Spencer, Estimation of Enthalpies and Entropies of Transformation, *CALPHAD* **19** (1995) 537-553.
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4. H. J. Seifert and F. Aldinger, Applied Phase Studies, *Z. Metallkd.* **87** (1996) 841-853.
5. H. J. Seifert, H. L. Lukas and G. Petzow, Thermodynamic Optimization of the Ti-Si System, *Z. Metallkd.* **87** (1996) 2-13.
6. H. J. Seifert, H. L. Lukas and G. Petzow, Thermodynamic Optimization of the Ti-C System, *J. Phase Equilibria* **17** (1996) 24-35.
7. J. Gröbner, U. Kolitsch, H. J. Seifert, S. G. Fries, H. L. Lukas and F. Aldinger, Re-Assessment of the Y-O Binary System, *Z. Metallkd.* **87** (1996) 88-91.
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10. B. Sundman, H. J. Seifert and F. Aldinger (eds.), Thermodynamic Modeling of Solutions and Alloys, *CALPHAD (Spec. Issue)* **21** (1997) 139-285.
11. U. Kolitsch, H. J. Seifert and F. Aldinger, Phase Relationships in the Gd_2O_3 - Al_2O_3 - SiO_2 System, *J. Alloys and Compounds* **257** (1997) 104-114.
12. U. Kolitsch, V. A. Ijevskii, H. J. Seifert, I. Wiedmann and F. Aldinger, Formation and General Characterisation of a Previously Unknown Ytterbium Silicate (A-type Yb_2SiO_5), *J. Mater. Sci.* **32** (1997) 6135-6139.
13. P. A. G. O'Hare, I. Tomaszewicz and H. J. Seifert, The Standard Molar Enthalpies of Formation of α - Si_3N_4 and β - Si_3N_4 by Combustion Calorimetry in Fluorine, and the Enthalpy of the α to β Transition at the Temperature 298.15 K, *J. Mater. Res.* **12** (1997) 3201-3203.
14. P. Donnadieu, M. Harmelin, H.-L. Su, H. J. Seifert, G. Effenberg and F. Aldinger, A Quasicrystal with Inflation Symmetry and no Forbidden Symmetry Axes in a Mg-Al rapidly Solidified Alloy, *Z. Metallkd.* **88** (1997) 33-37.
15. H. L. Su, M. Harmelin, P. Donnadieu, C. Bätzner, H. J. Seifert, H. L. Lukas, G. Effenberg and F. Aldinger, Experimental Investigation of the Mg-Al Phase Diagram from 47 to 63 at.% Al, *J. Alloys and Compounds* **247** (1997) 57-65.
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 34. P. A. G. O'Hare, I. Tomaszewicz, C. M. Beck II and H. J. Seifert, Thermodynamics of Silicon Nitride. I. Standard Molar Enthalpies of Formation $\Delta_f H_m^0$ at the Temperature 298.15 K of α - Si_3N_4 and β - Si_3N_4 , *J. Chem. Thermodynamics* **31** (1999) 303-322.
 35. J.-j. Liang, A. Navrotsky, T. Ludwig, H. J. Seifert and F. Aldinger, Enthalpy of Formation of Rare Earth Silicates (Y_2SiO_5 and Yb_2SiO_5) and N-containing Silicate ($Y_{10}(SiO_4)_6N_2$), *J. Mater. Res.* **14** (1999) 1181-1185.
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