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1. Main Research Results

- 1) Precipitation behavior of intermetallic compounds in high Cr heat resistant steels
- 2) Establishment of design criteria of high performance thermo-electric materials based on Half-Heustler TiNiSn through ternary substitutions and quaternary additions

2. List of publication (original article, comment/book)

1) Original Paper

- (1) Sung-Wng Kim, Yoshisato Kimura and Yoshinao Mishima; High temperature thermoelectric properties of TiNiSn-based half-Heusler compounds; Intermetallics, 15 (2007) 349-356
- (2) M. Yoshino, Y. Mishima, Y. Toda, H. Kushima, K. Sawada and K. Kimura; Effect of Ausageing on the precipitation Behavior of MX Carbonitride in Modified 9Cr-1Mo Steel; Materials Science Forum, 539-543 (2007), 2976-2981