

Entall

Thermodynamic database of alloys

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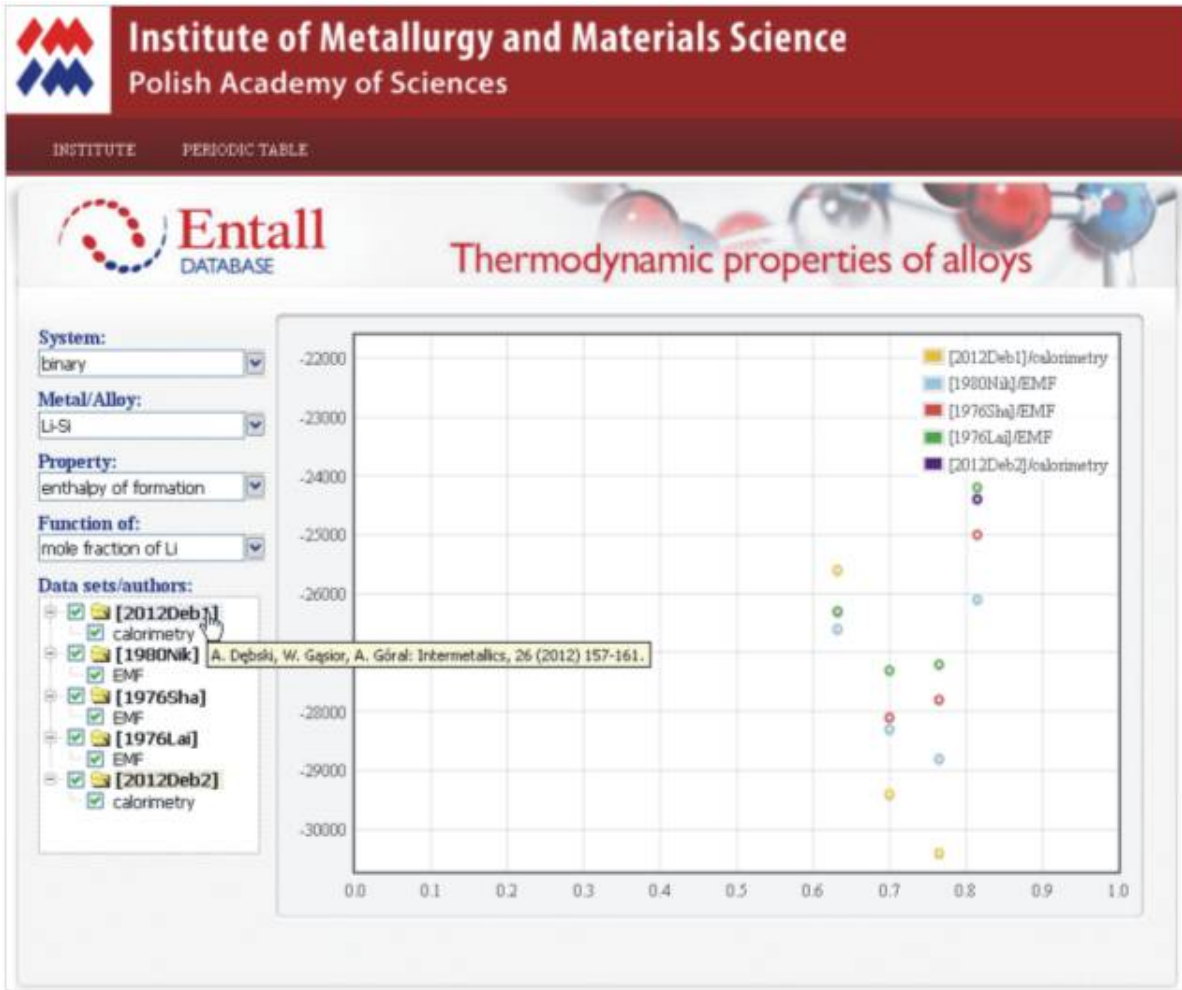
The results produced by Entall database may be used in any publications provided that a suitable reference for Entall is used:

Please refer to the following paper:

A. Dębski, Entall - Thermodynamic database of alloys, Archives of Metallurgy and Materials 58(4), (2013) 1147-1148. DOI: 10.2478/amm-2013-0139

The Li-Si, Ag-Ca, B-Li, Ca-Li, and Al-Li alloys belong to the group of materials which have an applicable character. However, there is no available literature calorimetric data for these systems. "Iuventus Plus" project makes possible to create a new database of thermodynamics properties of alloys from Li-Si, Ag-Ca, B-Li, Ca-Li, and Al-Li systems. Entall database contains the experimental data of formation enthalpy of intermetallic phases from these systems and the software, which allows to calculate other thermodynamic functions. Entall database is free of charge and is available on the website: www.entall.imim.pl.

Thermodynamic data in Entall database:



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enthalpy of solution,

-

enthalpy of formation,

-

electromotive force,

-

enthalpy of mixing,

-

activity,

-

partial molar Gibbs free energy,

-

partial enthalpy,

-

partial entropy,

-

partial excess Gibbs free energy,

-

excess entropy,

-

activity coefficient.

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