

רשימת פרסומים גלויים

1. מאמרים אקדמיים

- D.Rabin, A.Meshulam, D.Fuks, Y.Gelbstein, "High entropy alloy on single sub-lattice in MNiSn compound: stability and thermoelectric properties", Journal of alloys and compounds (2021) 874, 159940.
- D.Rabin, T.Kyratsi, D.Fuks, Y.Gelbstein, "Thermoelectric transport properties of $(\text{Ti}_{1-x}\text{Al}_x)\text{NiSn}$ half-Heusler alloy", Physical chemistry chemical physics (2020) 22(3), 1566-1574.
- D.Rabin, D.Fuks, Y.Gelbstein, "Al solubility in half-Heusler $(\text{Ti}_{1-x}\text{Al}_x)\text{NiSn}$ alloy", Physical chemistry chemical physics (2019) 21(14), 7524-7533.
- D.Rabin et al. "Thermodynamic modeling of U-Al-X (X=Si, Zr)", Journal of Nuclear Materials (2015) 464, 170-184.

2. פוסטרים והרצאות בכנסים מקצועיים

- Solubility of substitutional doping elements in TiNiSn for thermoelectric applications, Euromat 2019.
- Solubility of p-type doping Sc and Al in Half-Heusler TiNiSn for thermoelectric applications, EMRS spring 2019.
- Synthesis of yttria stabilized zirconia as an SOFC electrolyte using different powder metallurgy methods, 6th international congress on ceramics, 2016.
- Synthesis of YSZ by arc-melting as a solid oxide fuel cell electrolyte, IMEC 17, 2016.
- Effect of powder consolidation parameters on the density and performance of Solid Oxide Fuel Cell (SOFC) electrolytes, IMEC 17, 2016
- Development of hybrid SOFC-TE system, 40th international conference and expo on advanced ceramics and composite, 2016.
- Thermodynamic modeling of some Al-U-X ternary systems, IMEC 16, 2014.
- Thermodynamic modeling of some Al-U-X ternary systems, CALPHAD XLII, 2013.

3. הנחיית סטודנט במסגרת פרויקט מהנדס

- A. Meshulam, Developing MNiSn (M=Ti,Zr,Hf) high entropy half-Heusler alloys, Ben-Gurion University, August 2020.
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4. דוקטורט - הצעת מחקר

- D.Rabin, "On the way to high entropy half-Heusler alloys: solubility of doping elements", Ben-Gurion University, 2019.

5. תיזה

- D.Rabin, "Thermodynamic assessment of the U-Al-Si system", Ben-Gurion University, 2014.

6. פרויקט מהנדס

- D.Rabin, " Thermodynamic calculation of the U-Al-Si phase diagram", Ben-Gurion University, 2012.