

## Publications List – Noa (Lulu) Bitton

\*הפרסומים בצבע כחול פורסמו לאחר קבלת הדרגה ג'

### Peer reviewed journals

1. N. Lulu-Bitton, E. Sabatani, N. Kostirya, G. Agronov, E. Tiferet, N. Eliaz, N. Navi, "Mechanical behavior of electrochemically Hydrogenated Electron Beam melting (EBM) and wrought Ti-6Al-4V using small punch test (SPT)", International Journal of Hydrogen Energy, accepted on November 2021.
2. R. Ben David, N. Bitton, F. Simca, S. Samuha, D. Fadel, A. Danon and Y. Finkelstein, " Non-isothermal hydrogen desorption from  $\beta$ -UH<sub>3</sub>: Kinetics and mechanism", Journal of Nuclear materials 510: 484-491 (2018).
3. E. Aghion, N. Lulu, " The corrosion performance of die-cast magnesium alloy MRI 230D in 3.5% NaCl solution saturated with Mg(OH)<sub>2</sub>", Materials Characterization, vol. 61, Issue 11, 1221-1226 (2010).
4. E. Aghion, N. Lulu, " The effect of skin characteristics on environmental behavior of die-cast AZ91D magnesium alloy", Journal of Materials Science, 44:4279-4285 (2009).

### Conference proceedings

5. N. Lulu, E. Aghion, N. Moscovitch, B. Bronfin, " The environment behavior of magnesium alloy MRI 230D", article in proceeding magnesium of the DGM 8<sup>th</sup> international conference on magnesium alloys and their applications, Germany, Weimar, pp 887-892 (2009).

### Oral presentations

6. N. Lulu-Bitton, "The influence of electrochemically charged Hydrogen on the mechanical behavior of Electron Beam Melting (EBM) and Wrought Ti-6Al-4V using Small Punch Test (SPT)", 19<sup>th</sup> IMEC Conference, Israel, 13-14 December 2021.
7. N. Lulu, "The Environmental Behavior of Magnesium Alloy MRI 230D", The 8<sup>th</sup> International Conference on Magnesium alloys and their applications, DGM, Wiemar, Germany, 2009.

### Posters

8. I. Tuplman, **N. Lulu-Bitton**, M. Emuna, Y. Snir, G. Levi-Katarivas, "*A Novel Ti-Al Hybrid Composite based on Additively Manufactured Lattice – impregnated Structure*". 19<sup>th</sup> IMEC Conference, Israel, 13-14 December 2021 (Poster prize winner).
9. **N. Bitton**, R. Ben David, F. Simca, T. Eretz Kedosha, A. Danon and Y. Finkelstein, "*Simultaneous thermal desorption of hydrogen and deuterium from  $TiH_xD_{2-x}$* ", IMEC 2018 Conference, Israel, 6-8 Februar 2018.
10. R. Ben David, **N. Bitton**, F. Simca, T. Eretz Kedosha, N. Kostirya, D. Fadel, S. Samuha, G. Agronov, A. Danon and Y. Finkelstein, "*A kinetic study of non-isothermal hydrogen desorption from uranium hydride*", IMEC 2018 Conference, Israel, 6-8 Februar 2018.
11. E. Priel, B. Mittleman, N. Trabelsi, N. Navi, **N. Bitton**, O. Rahamim, S. Haroush, S. Hayun, N. Frage, "*The mechanical response and failure of Al-TiB<sub>2</sub> composites produced by spark plasma sintering: A multi scale computational study*", WCCM-conference, New-York, USA, 2018.