

**LISTA LUCRĂRILOR PUBLICATE**
Asist. Dr. Ing. Ioan SZABO**Teza de doctorat:**

Cercetări privind influența solicitărilor structurale asupra surselor energetice ce echipează vehiculele electrice.

Conducător științific: Prof. Dr. Habil. Ing. Florin MARIAȘIU

Publicații în reviste științifice cotate Web of Science (ISI)

- 1- **Ioan Szabo**, Liviu I Scurtu, Horia Raboca, and Florin Mariașiu. "Topographical Optimization of a Battery Module Case That Equips an Electric Vehicle" Batteries 9, no. 2: 77. 2023. <https://doi.org/10.3390/batteries9020077> , **WoS IF 5.938/ Q2**
<https://www.mdpi.com/2313-0105/9/2/77>
- 2- Bogdan Ovidiu Varga , Florin Mariasiu, Cristian Daniel Miclea, **Ioan Szabo**, Anamaria Andreea Sirca and Vlad Nicolae, Direct and Indirect Environmental Aspects of an Electric Bus Fleet Under Service, MDPI, ISSN 1996-1073, Energies 2020. **WoS IF 3.252/Q3**
<https://www.mdpi.com/1996-1073/13/2/336>

Publicații în reviste științifice indexate BDI

- 1- **I Szabo**, A A Sirca, L Scurtu, L Kocsis, I N Hanches, F Mariașiu, Comparative study of Li-ion 18650 cylindrical cell under pinch indentation, Annual Session of Scientific Papers - IMT Oradea 2022, Materials Science and Engineering, 2022
<https://iopscience.iop.org/article/10.1088/1757-899X/1256/1/012022>
- 2- **I Szabo**, A A Sirca, L Scurtu, L Kocsis, I N Hanches and F Mariașiu, Comparative study of Li-ion 21700 cylindrical cell under mechanical deformation, Annual Session of Scientific Papers - IMT Oradea 2022, Materials Science and Engineering, 2022
<https://iopscience.iop.org/article/10.1088/1757-899X/1256/1/012023/meta>
- 3- A.A. Sirca, **I.Szabo** , F. Mariașiu, D.Moldovanu and H.Cărăușan, Influence of drone's nacelle conicity on the airflow dynamics, Annual Session of Scientific Papers - IMT Oradea 2022, Materials Science and Engineering, 2022
<https://iopscience.iop.org/article/10.1088/1757-899X/1256/1/012015/meta>
- 4- **I Szabo**, L Kocsis and F Mariasiu, Research on the behaviour of a LiFePo4 pouch cell under mechanical stress, Annual Session of Scientific Papers - IMT Oradea 2020, ISSN: 2457-8347, Materials Science and Engineering, 2020
<https://iopscience.iop.org/article/10.1088/1757-899X/898/1/012020>



- 5- **I Szabo**, L Kocsis and F Mariasiu, Research on the behaviour of a LiFePo₄ prismatic cell subjected to mechanical stress, Annual Session of Scientific Papers - IMT Oradea 2020, ISSN: 2457-8347, IOP Materials Science and Engineering, 2020
<https://iopscience.iop.org/article/10.1088/1757-899X/898/1/012021/meta>
- 6- L Scurtu , **I Szabo** , F Mariasiu, D Moldovanu, L Mihali , Ancuta Jurco, Numerical analysis of the influence of mechanical stress on the battery pack's housing of an electric vehicle, Annual Session of Scientific Papers "IMT ORADEA 2019, ISSN: 1757-8981, IOP Materials Science and Engineering, 2019
<https://iopscience.iop.org/article/10.1088/1757-899X/568/1/012054/meta>
- 7- Florin MARIASIU, Adela BORZAN, Marius S. MOTOGNA, **Ioan SZABO**, Performance Analysis of Electric Vehicles Available in the Current Automotive Market, THE ANNALS OF "DUNAREA DE JOS" UNIVERSITY OF GALATI FASCICLE IX. METALLURGY AND MATERIALS SCIENCE No . 1 – 2019, ISSN 2668-4748; e-ISSN 2668-4756, 2019
<https://www.gup.ugal.ro/ugaljournals/index.php/mms/article/view/2767>

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