

## Lista lucrărilor științifice relevante

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2. **I. Costiuc**, A. Chiru, "Modelarea proceselor termodinamice în compresoarele cu unde de presiune", "Thermodynamic Process Modeling in Pressure Wave Supercharges", Revista Industria Automobilului Nr.43/Iunie 2017, Romanian Journal of Automotive Engineering, RoJAE 23(2) 49 – 90 (2017), ISSN 2457 – 5275 (Online, English), ISSN 1842 – 4074 (Print, Online, Romanian), **ISI indexed**, [http://siar.ro/wp-content/uploads/2017/10/RoJAE-23\\_2.pdf](http://siar.ro/wp-content/uploads/2017/10/RoJAE-23_2.pdf)
3. **I. Costiuc**, A. Chiru, "Evolution of the Pressure Wave Supercharger Concept", International Congress of Automotive and Transport Engineering, CAR 2017, Pitești, România, [doi:10.1088/1757-899X/252/1/012081](https://doi.org/10.1088/1757-899X/252/1/012081), **SCOPUS indexed**
4. L. Costiuc, **I.Costiuc**, "Comparative Analysis of an Organic Rankine Cycle for Waste Cogeneration Plants", Bulletin of Transilvania University of Brașov, Vol. 10 (59) No. 2 - 2017, ISSN 2065-2119, [http://webbut2.unitbv.ro/BU2017/Series%20I/2017/BULETIN%20I/Costiuc\\_L.pdf](http://webbut2.unitbv.ro/BU2017/Series%20I/2017/BULETIN%20I/Costiuc_L.pdf)
5. **Costiuc,I.**, A. Chiru, L. Costiuc, PRESSURE WAVE TECHNOLOGY – AN INTERESTING APPROACH IN SUPERCHARGING, Romanian Journal Of Technical Sciences, No.1/2018, Vol.63, ISSN: 2601-5811 (Print), e-ISSN: 2601-582X (Online), Romanian Academy, Publisher : Publishing House of the Romanian Academy, Indexed Copernicus 84.44 (2018). [https://rjts-am.utcluj.ro/journal/rev2018-1/RJTS-AM\\_2018\\_63\\_1\\_a4\\_Costiuc.pdf](https://rjts-am.utcluj.ro/journal/rev2018-1/RJTS-AM_2018_63_1_a4_Costiuc.pdf)
6. **Costiuc I.**, Costiuc L., "Numerical Investigation of a Pressure Wave Supercharger", 31st International Congress AITS Chișinău, Rep.Moldova (2021), 2022 *IOP Conf. Ser.: Mater. Sci. Eng.* **1220** 012022, doi:10.1088/1757-899X/1220/1/012022, <https://iopscience.iop.org/article/10.1088/1757-899X/1220/1/012022>
7. **Costiuc I.**, Costiuc L., Chiru A. "Investigation of pressure field along the channel of a Pressure Wave Supercharger", The 31st International Congress AITS Chișinău, Rep.Moldova (2021), 2022 *IOP Conf. Ser.: Mater. Sci. Eng.* **1220** 012023, <https://iopscience.iop.org/article/10.1088/1757-899X/1220/1/012023>
8. **Costiuc, I.**; Chiru, A.; Costiuc, L. A Review of Engine's Performance When Supercharging by a Pressure Wave Supercharger. *Energies* 2022, 15, 2721. <https://doi.org/10.3390/en15082721>, **IF2023=3.0, SRI-2023=0,580.**

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