



**Lista articolelor publicate în reviste indexate Clarivate Analytics – ISI WoS în ultimii 5 ani
(2019-2024)**

1. Blaj, M.-I.; Zaharia, S.-M.; Morariu, C.O.; Pop, M.A.; Cosnita, M.; Oancea, G.* Tensile Behavior of Parts Manufactured Using a Material Extrusion Process from a Filament with Short Carbon Fibers and PET Matrix. *Processes* 2024, 12, 334. <https://doi.org/10.3390/pr12020334> , Accession Number WOS:001172605600001 (FI 3,5 – Q2)
2. Nasulea, D.; Filip, A.C.; Zisu, S.; Oancea, G.* Research Regarding the Dimensional Precision of Electrical Steel Strips Machined by Waterjet Cutting in Multilayer Packages. *Processes* 2023, 11, 2788. <https://doi.org/10.3390/pr11092788>, Accession Number WOS:001075314200001 (FI 3,5 – Q2)
3. Ispăşoiu, A.; Milosan, I.*; Gabor, C.; Oancea, G. A New Methodology for Validation of the Ergonomics Risk Assessment in Industry. *Processes* 2023, 11, 3261. <https://doi.org/10.3390/pr11123261> , Accession Number WOS:001131125400001 (FI 3,5 – Q2)
4. Gavrus, C.; Ivan, N.-V.; Oancea, G.* Determination of the Depth of Cut via Surface Integrity. *Appl. Sci.* 2023, 13, 6881. <https://doi.org/10.3390/app13126881>, Accession Number WOS:001013989900001 (FI 2,7 – Q2)
5. Parv, A.L.*; Daicu, R.; Dragoi, M.V.; Rusu, M.; Oancea, G.* A Method to Design Assembling Lines for Super Premium Efficiency Motors. *Processes* 2023, 11, 215. <https://doi.org/10.3390/pr11010215> , Accession Number WOS:000927695400001 (FI 2,7 – Q2)
6. Bai, XT*; Zheng, H; Wang, ZN; Oancea, G; Hou, LL; Xiao, ZY, Investigation on the misalignment of full ceramic ball bearing rotor system caused by varying gap in wide temperature ranges, *Proceedings of the Institution of Mechanical Engineers, Part C: Journal of Mechanical Engineering Science*, on-line (Early Access), 2022, <https://doi.org/10.1177/09544062221132184>, Accession Number WOS:000870448200001
7. Gavrus, C.; Ivan, N.-V.; Oancea, G.* Machining Parameters Optimization Based on Objective Function Linearization. *Mathematics* 2022, 10, 803. <https://doi.org/10.3390/math10050803> , Accession Number WOS:000768489000001 (FI 2,4 – Q1)
8. Daicu, R.; Oancea, G.* Methodology for Measuring the Cutting Inserts Wear. *Symmetry* 2022, 14, 469. <https://doi.org/10.3390/sym14030469>, Accession Number WOS:000774516400001 (FI 2,7 – Q1-JCI, Q2-FI)
9. Dragoi, M.-V.*; Parv, L.; Mija, A.; Oancea, G.* A Method to Design Profiled Cutting Tools for Inner Turning. *Symmetry* 2022, 14, 2690. <https://doi.org/10.3390/sym14122690> , Accession Number WOS:000904226300001 (FI 2,7 – Q1-JCI, Q2-FI)
10. Blaj, M.-I.*; Zaharia, S.-M.; Pop, M.A.; Oancea, G. Tensile Properties and Manufacturing Defectives of Short Carbon Fiber Specimens Made with the FDM Process, *Materiale plastice* 2022, 59(1), <https://doi.org/10.37358/MP.22.1.5557>, Accession Number WOS:000884788800001 (FI 0,78)

11. Nasulea, D.; Oancea, G.* Achieving Accuracy Improvements for Single-Point Incremental Forming Process Using a Circumferential Hammering Tool. *Metals* 2021, 11, 482. <https://doi.org/10.3390/met11030482> , Accession Number WOS:000633882400001 (FI 2,3 – Q2)
12. Dharmawardhana, M.; Ratnaweera, A.*; Oancea, G.* STEP-NC Compliant Intelligent CNC Milling Machine with an Open Architecture Controller. *Appl. Sci.* 2021, 11, 6223. <https://doi.org/10.3390/app11136223> , Accession Number WOS:000672280500001 (FI 2,7 – Q2)
13. Sacarea, A.I.; Oancea, G.; Parv, L.* Magnetic Particle Inspection Optimization Solution within the Frame of NDT 4.0. *Processes* 2021, 9, 1067. <https://doi.org/10.3390/pr9061067> , Accession Number WOS:000665999900001 (FI 3.35, Q2)
14. Dragoi, M.-V.*; Rosca, D.M.; Folea, M.F.; Oancea, G.* A Fully Symmetrical High Performance Modular Milling Cutter. *Symmetry* 2021, 13, 496. <https://doi.org/10.3390/sym13030496> , Accession Number WOS:000634236300001 (FI2.94, Q1-JCI, Q2-FI)
15. Haba, S., A., Oancea, G.* , Study on Thermal Expansion of a V10 Engine Block Used in Shrink-Fit Assembling, *TEHNICKI VJESNIK-TECHNICAL GAZETTE*. Vol. 27, nr. 4, 2020, p. 1031-1036, ISSN 1330-3651, <https://doi.org/10.17559/TV-20160404135750> , Accession Number WOS: 000560780800001 (FI = 0.67), <https://hrcak.srce.hr/file/351867> .
16. Croitoru EI*, Morariu C.O., Soica A., Oancea G., Composite Automobile Fender Impact Testing with a Spherical Ball. *Materiale Plastice*, Vol. 57, Nr. 1, 2020, p. 175-190, ISSN 2537-5741, DOI <https://doi.org/10.37358/MP.20.1.5324>, Accession Number WOS: 000528195000020 (FI=1.517), <https://revmaterialeplastice.ro/Articles.asp?ID=5324>
17. Parv, L*, Deaky, B., Nasulea, D., Oancea, G., Agent-Based Simulation of Value Flow in an Industrial Production Process, *Processes*, Vol. 7., No. 2 (2019), Art. No. 82, <https://doi.org/10.3390/pr7020082>, WOS:000460800900028 (FI 1,96 – Q2);
18. Milosan, I* ,.....Oancea, G., Characterisation of EN 1.4136 stainless steel heat-treated in solar furnace. *The International Journal of Advanced Manufacturing Technology*, Vol. 101, No 9-12, (2019) pp. 2955-2964, <https://doi.org/10.1007/s00170-018-3153-9>, Accession Number WOS:000463669500060 (FI 2,601 – Q2);
19. Pisec, IF*, Blaga, FS, Oancea, G., A Feature Recognition and Extraction Method Used to Develop a CAPP Model or „L-Block” Family of Parts. *Acta Technica Napocensis Series-Applied Mathematics Mechanics and Engineering*, Vol. 62, No. 1, (2019) pp.201-210, Accession Number WOS:000464577100028 (FI 0);
20. Filip, AC, Morariu CO., Mihail, L., Oancea, G.* , Research on Surface Roughness of Hardox Steels Parts Machined by Abrasive Waterjet, *Strojnicki Vestnik-Journal of Mechanical Engineering*, Vol. 65, No. 4 (2019), pp. 230-237, , <https://doi.org/10.5545/sv-jme.2019.5998>, Accession Number WOS:00046557000004 (FI 1.182)
21. Nasulea, D., Oancea, G*., Simulations and Experiments in Single Point Incremental Forming Process *Materials Forming*, pp. 41-69, In: Kyratsis, PDavim, J.P. (eds) *Experiments and Simulations in Advanced Manufacturing*, ISBN 2195-0911, 2021, Springer Nature Switzerland AG, https://doi.org/10.1007/978-3-030-69472-2_3
22. Zaharia, S. M., Lancea, C., Kruk, A., Cempura, G., Gruszczyński, A., Chicos, L. A., Pop, M. A. (2024). Mechanical Properties and Microstructure of Inconel 718 Lattice Structures Produced by Selective Laser Melting Process. *Materials*, vol. 17, nr. 3, pp. 622, ISSN: 1996-1944, IF 3.4, WOS:001160123500001.
23. Zaharia, S. M., Pascariu, I. S., Chicos, L. A., Buican, G. R., Pop, M. A., Lancea, C., Stamate, V. M. (2023). Material Extrusion Additive Manufacturing of the Composite UAV Used for Search-and-Rescue Missions. *Drones*, vol. 7, nr. 10, pp. 602, ISSN: 2504-446X, FI 4.8, WOS:001092500000001.

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25. Zaharia, S. M., Pop, M. A., Buican, G. R., Chicos, L. A., Stamate, V. M., Pascariu, I. S., & Lancea, C. (2023). Design and Testing of Brushless DC Motor Components of A6 Steel Additively Manufactured by Selective Laser Sintering. *Aerospace*, vol. 10, nr.1, pp. 60, ISSN: 2226-4310, FI 2.6, WOS: 000916773600001.
26. Zaharia, S. M., Pop, M. A., Chicos, L. A., Buican, G. R., Lancea, C., Pascariu, I. S., Stamate, V. M. (2022). Compression and bending properties of short carbon fiber reinforced polymers sandwich structures produced via fused filament fabrication process. *Polymers*, vol. 14, no. 14, pp. 2923, ISSN: 2073-4360, FI 5, WOS: 000831977400001
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