

# Listă de lucrări

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## Articole de jurnal (ISI)

1. C.-M. Ionescu, I. Muntean, J. Tenreiro-Machado, R. De Keyser, and M. Abrudean, "A theoretical study on modeling the respiratory tract with ladder networks by means of intrinsic fractal geometry," IEEE TRANSACTIONS ON BIOMEDICAL ENGINEERING, vol. 57, no. 2, pp. 246–253, 2010.
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3. N. A. Kilyen, R. F. Lemnariu, G. D. Mois, Y. Chen, B. T. Morris and I. Muntean, "The IEEE ITSS and Bosch Future Mobility Challenge: A Hands-on Start to Autonomous Driving [Technical Activities]," in IEEE Intelligent Transportation Systems Magazine, vol. 13, no. 3, pp. 276-282, Fall 2021
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5. N. A. Kilyen, R. F. Lemnariu, I. Muntean, G. D. Mois, An Indoor Localization System for Automotive Driving Competitions, International Journal of Computers Communications & Control, Volume: 19, Issue: 1, Month: February, Year: 2024

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5. I. Muntean, M. Unguresan and M. Abrudean, "A N-15 isotopic exchange column simulator using partial derivative equations," 2010 IEEE International Conference on Automation, Quality and Testing, Robotics (AQTR), 2010, pp. 1-4, doi: 10.1109/AQTR.2010.5520889
6. Savu, A., Muntean, I., Lazea, G., & Agachi, P. Ș. (2011). A study for the implementation of an economic optimization of coking plants. Chemical Engineering Transactions, 24, 409-414. <https://doi.org/10.3303/CET1124069>
7. I. Muntean, M. L. Unguresan, A. Savu and M. Abrudean, "Modeling and composition estimation of an isotopic distillation column," Proceedings of 2012 IEEE International Conference on

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10. A.A. Busu, I. Muntean, S.-D. Stan, "An analysis of the current challenges of WEEE remanufacturing", *Procedia Technology*, 2015, 19, pp. 444-450
11. I. Muntean and I. Clitan, "Digitization of continuous interval transfer functions: A revisited method and its application on a case study," 2014 IEEE International Conference on Automation, Quality and Testing, Robotics, 2014, pp. 1-4, doi: 10.1109/AQTR.2014.6857829.
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2. A. Savu, I. Muntean, G. Lazea, and P.S. Agachi, "A study for the implementation of an economic optimization of coking plants." *Chemical Engineering Transactions*, vol. 24, pp. 409-414, 2011 <https://doi.org/10.3303/CET1124069>
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9. R. -B. Roxana and M. Ionut, "Advanced Control Design for Anti-Lock Braking Systems," 2021 9th International Conference on Modern Power Systems (MPS), 2021, pp. 1-6, doi: 10.1109/MPS52805.2021.9492667.

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