

LISTĂ ARTICOLE PUBLICATE:

- Lungu, R., Crăciunoiu C., Chen M., Ebrahimpour M., ***High-Gain Disturbance Observer-Based Control of Double Gimbal Control Moment Gyro Systems with Fast Finite-time Backstepping Sliding Mode Control***, 29th International Conference on System Theory, Control and Computing (ICSTCC), 2025
- Lungu, R., Lungu, M., Efrim, C., ***Attitude Adaptive Control of Satellites using Double-Gimbal Magnetically Suspended Control Moment Gyros***, Aerospace Science and Technology, Vol. 126., 2022
- Lungu, R., Lungu, M., Efrim, C., ***Adaptive Control of DGMSCMG Using Dynamic Inversion and Neural Networks***, Advances and Space Research, vol. 68, nr.8, 2021
- Lungu, R., Efrim, C., Zheng, Z., Lungu, M., ***Dynamic Inversion based of Control of DGMSCMGs. Part 2: Control Architecture Design and Validation***, IEEE International Conference on Applied and Theroretical Electricity (ICATE), 2021
- Lungu, R., Efrim, C., Zheng, Z., Lungu, M., ***Dynamic Inversion based of Control of DGMSCMGs. Part 1: Obtaining Nonlinear Dynamic Model***, IEEE International Conference on Applied and Theroretical Electricity (ICATE), 2021
- Lungu, M., Lungu, R., Efrim, C., Boubaker, O., ***Backstepping Control of Magnetically Suspended Double-Gimbal Control Moment Gyroscope***, 24+ International Conference on System Theory, Control and Computing Joint Conference, Sinaia, Romania, 2020