

LISTA A 10 ARTICOLE REPREZENTATIVE

1. Balan, G., Neninger, P., Ruiz Zúñiga, E., Serea, E.; **Lucache, D.-D.**, Sălceanu, A. „*A Perspective on Software-in-the-Loop and Hardware-in-the-Loop Within Digital Twin Frameworks for Automotive Lighting Systems.*” Appl. Sci. 2025, 15, 8445. <https://doi.org/10.3390/app15158445>. (IF: 2.5)
2. Ali-Tagba, A.-R.; Baneto, M.; **Lucache, D.D.** “*Factors Influencing the Energy Consumption in a Building: Comparative Study between Two Different Climates.*” Energies 2024, 17, 4041. <https://doi.org/10.3390/en17164041> (IF: 3)
3. **D. D. Lucache**, Y. Elia, E. S. Dănilă and C. D. Gălățanu, “*Grid support by BESS. Benefits for a Solar Thermal Plant*” 2023 10th International Conference on Modern Power Systems (MPS), Cluj-Napoca, Romania, 2023, pp. 1-7, doi: 10.1109/MPS58874.2023.10187444.
4. G. Chiriac, **D.D. Lucache**, C. Nițucă; A. Dragomir; S. Ramakrishna, “*Electric Bus Indoor Heat Balance in Cold Weather*”, Applied Sciences 2021, 11(24), ISSN: 2076-3417, Publisher: MDPI, DOI: 10.3390/app112411761, (IF: 2.838)
5. M.A. Boukli Hacene, **D. Lucache**, H. Rozale and A. Chahed, „*Renewable Energy in Algeria: Desire and Possibilities*”, Journal of Asian and African Studies, Jan 2020, Volume: 55 issue: 7, page(s): 947-964, DOI: 10.1177/0021909619900202, (IF: 0.717)
6. M. Hamda Soulouknga, **D.D. Lucache**, S. Y. Doka, T.C. Kofane, “*Techno-economic assessment of wind energy conversion systems for power generation for the city of N'Djamena in Chad*”, Journal of Renewable Energies 23 (2020), ISSN:1112-2242/EISSN:2716-8247, pp. 318– 330
7. **D.D.Lucache**, G.Chiriac, R.Pentiuc, D.Ioachim, „*Wider Generality Relation in the Road Lighting Calculation*”, 13th International Conference on DEVELOPMENT AND APPLICATION SYSTEMS, Suceava, Romania, May 19-21, 2016, DOI: 10.1109/DAAS.2016.7492554, pp.91-96
8. **Lucache D.D.**, Moisa C., Lobry J., „*Economic apraisal of optimal location and sizing of capacitors in radial distribution systems using PSO*”, ICATE 2014, Applied and Theoretical Electricity, IEEE Conference, 23-25 Oct. 2014, Publisher IEEE, DOI 10.1109/ICATE.2014.6972626, pp.1-6
9. **D.Lucache**, A.Bulgaru, D.Ioachim, E.Dănilă, „*On electro-dewatering a cellulosic sludge*”, Environmental Engineering and Management Journal, March/April 2009, Vol.8, No.2, pp.267-271, ISSN 1582-9596, (IF:0.885)
10. V.Horga, **D. Lucache**, M.Ratoi, A.Simion, M.Albu, „*Robust Control Strategy to Parameter Variations for an Interior PM Synchronous Machine*”, WSEAS TRANSACTIONS on SYSTEMS AND CONTROL, Issue 5, Volume 3, May 2008, ISSN 1991-8763, pp. 453-462