

Highlighted Publications

1.- A.A. Moya, Identification of characteristic time constants in the initial dynamic response of electric double layer capacitors from high-frequency electrochemical impedance, Journal of Power Sources 397 (2018) 124-133.

DOI: 10.1016/j.jpowsour.2018.07.015

2.- A.A. Moya, Low-frequency development approximations to the transmissive Warburg diffusion impedance, Journal of Energy Storage 55 (2022) 105632:1-12.

DOI: 10.1016/j.est.2022.105632

3.- A.A. Moya, Comparing the characteristic frequencies of the transmissive and reflexive finite-length Warburg diffusion processes, Journal of Electroanalytical Chemistry 929 (2023) 117132:1-3.

DOI: 10.1016/j.jelechem.2022.117132

4.- A.A. Moya, Nonlinear charge-voltage relationships in electric double layer capacitors performing under constant load resistance, Journal of Energy Storage 71 (2023) 108136.

DOI: 10.1016/j.est.2023.108136

5.- A.A. Moya, Low-frequency development approximations to the finite-length Warburg diffusion impedance: The reflexive case, Journal of Energy Storage 97 (2024) 112911.

DOI: 10.1016/j.est.2024.112911

6.- A.A. Moya, “A physically consistent electric circuit to interpret the galvanostatic charge-discharge curves of electric double layer capacitors”, Journal of Power Sources 656 (2025) 238050.

DOI: 10.1016/j.jpowsour.2025.238050

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