

LIST OF PUBLICATIONS

1. (To be submitted in small (IF-12.1) K. Agrawal and V. Santhanam, "Platinum Overlayer Durability on Gold–Silver Alloy Leaves" .
2. (Under review in *International Journal of Hydrogen Energy* (IF-8.0)) B. Bunkar, R. Chakraborty, K. Agrawal* and BR Reddy, "Comparative Parametric Analysis of Direct and Indirect Dimethyl Ether Synthesis from Syngas Using Aspen Plus Simulation". (* - Joint corresponding author)
3. A. Anil; S. Kumar S. U.; L. Elias; Sumi V. S., K. Agrawal* and SMA. Shibli; "Tuning Amorphous-Crystalline Balance via Phosphorus Incorporation in NiFeCoP for Enhanced Alkaline HER", *Journal of Power Sources*, 694 (2026), p. 241335 (*refers joint corresponding author)
4. K. Agrawal and V. Santhanam, "*Durable Platinum thin film on silver leaf, formed by Self-Terminating Electrodeposition*", *Electroanalysis* vol. 38(4), e70135 (2026)
5. K. Agrawal and V. Santhanam, "Electrochemical cycling durability of platinum overlayers formed by self-terminating electrodeposition", *International Journal of Hydrogen Energy*, 51, pp.722-73 (2024)
6. K. Agrawal, A.A. Naik, S. Chaudhary, D. Parvatalu and V. Santhanam, "Prudent Practices in Ex-Situ Durability Analysis Using Cyclic Voltammetry for Platinum-based Electrocatalysts", *Chem-Asian J* 16(21), 3311- 3325 (2021)
7. K. Agrawal, S. Chaudhary, D. Parvatalu, and V. Santhanam, "Durability of Platinum Overlayers formed By Self- Terminating Electrodeposition". *ECS Transactions* 2021., 104(8), p.379-386