

LIST OF PUBLICATIONS

1. (Under review in the journal of power sources), A. Anil, K. Agrawal, Syam Kumar S. U., L. Elias, and Sumi V. S., "Tuning Amorphous-Crystalline Balance via Phosphorus Incorporation in NiFeCoP for Enhanced Alkaline HER"
2. (Under review in Digital discovery journal) K. Garg, D. Kumar, K Agrawal, "When LLMs Ideate and Judge: Human–AI Alignment in Chemical Engineering Research Ideation"
3. K. Agrawal and V. Santhanam, "Durable Platinum thin film on silver leaf, formed by Self-Terminating Electrodeposition", *Electroanalysis* vol. 38, no. 4, e70135 (2026) (IF = 2.30, DOI - <https://doi.org/10.1002/elan.70135>)
4. 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) (IF = 7.139, DOI - 10.1016/j.ijhydene.2023.10.185)
5. 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) (IF = 4.50, DOI - 10.1002/asia.202100746)
6. 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. (IF = 0.65, DOI - 10.1149/10408.0379ecst)