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Publications

PUBLICATIONS

- **Corrosion-resistant mesoporous carbon allowing for durable, high-performance hydrogen fuel cells for heavy-duty vehicle applications** *EES CATALYSIS*
Atwa, M., Pedram, S., Xu, S., Dull, S., Jung, Y., Yoshii, T., Sui, R., Xu, R., Marriott, R., Nishihara, H., Mueller, J. E., Wiethop, M., Kirsch, et al
2026
- **Controlled distribution of both Pt nanoparticles and ionomer in self-supported nanoporous carbon scaffolds significantly enhances oxygen reduction kinetics and stability** *JOURNAL OF MATERIALS CHEMISTRY A*
Atwa, M., Xu, S., Li, X., Dull, S., Wang, Z., Yu, H., Tang, R., Goh, T., Jung, Y., Kiani, M., Lid, M., Nishihara, H., Prinz, et al
2025
- **Scalable nanoporous carbon films allow line-of-sight 3D atomic layer deposition of Pt: towards a new generation catalyst layer for PEM fuel cells.** *Materials horizons*
Atwa, M., Li, X., Wang, Z., Dull, S., Xu, S., Tong, X., Tang, R., Nishihara, H., Prinz, F., Birss, V.
2021; 8 (9): 2451-2462
- **Scalable nanoporous carbon films allow line-of-sight 3D atomic layer deposition of Pt: towards a new generation catalyst layer for PEM fuel cells** *MATERIALS HORIZONS*
Atwa, M., Li, X., Wang, Z., Dull, S., Xu, S., Tong, X., Tang, R., Nishihara, H., Prinz, F., Birss, V.
2021