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Employment

Senior Lecturer

Academic (Teaching & Research) Senior Lecturer
Materials Engineering
The University of Manchester
1 Aug 2019 → present

Research output

Investigating the potential of perovskite-based redox electrolytes for dye sensitised solar cells: An in-depth analysis using mathematical and DFT techniques

Sathyanarayanan, S., Pandiaraj, S., Abeykoon, C., Alzahrani, K., Alodhayb, A. N. & Grace, A. N., 1 Mar 2025, In: *Solar Energy*. 288, 113267.

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Perera, T. G. Y., Naaib, M., Ariyasinghe, N. & Abeykoon, C., 1 Mar 2025, In: *Composites Part C: Open Access*. 16, 100561.

Impact of annealing temperature on the response and sensitivity of spinel ZnFe₂O₄ thin film to ammonia gas sensing at room temperature

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Impact of Twist Factor on the Physical and Structural Properties of Jute Yarn Linear Density

Ekundayo, G., Gong, H. & Abeykoon, C., 17 Sept 2024, (Accepted/In press) In: *European Journal of Materials Science and Engineering*.

Can Sri Lanka be a net-zero nation by 2050?—Current renewable energy profile, opportunities, challenges, and recommendations

Koswatte, I., Iddawala, J., Kulasekara, R., Ranaweera, P., Dasanayaka, C. H. & Abeykoon, C., Aug 2024, In: *Cleaner Energy Systems*.

Adaptive Neuro-Fuzzy Controller for Real-Time Melt Pressure Control in Polymer Extrusion Processes

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MECHANICAL PROPERTIES OF 3D-PRINTED PLA COMPOSITES REINFORCED WITH CARBON-BASED FILLERS

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