

RSC Sustainability

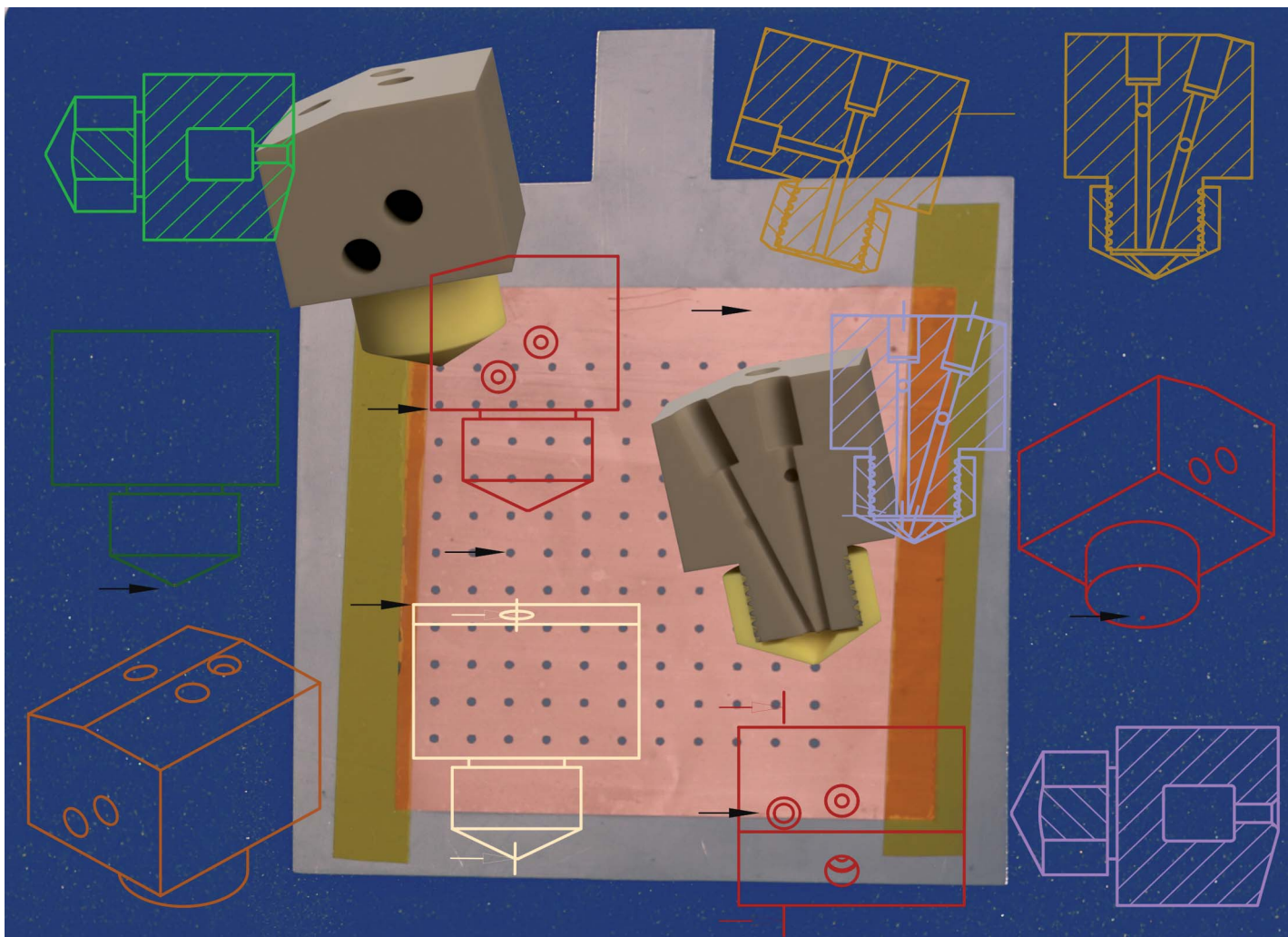
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Fundamental questions
Elemental answers



Showcasing research from Fuzhan Rahmanian and Professor Helge Sören Stein from Technical University of Munich, Bavaria, Germany.

Autonomous millimeter scale high throughput battery research system

Millimeter-scale high-throughput battery research (MISCHBARES) on slurry-derived electrodes is herein integrated with data analysis, data management, and quality control for expedited knowledge generation. In-depth high-throughput XPS and XRF enable correlative spectroscopy across all states of charge (SOC). This research is enabled by the hierarchical experimental laboratory automation and orchestration framework (HELAO) and the Modular and Autonomous Data Analysis Platform (MADAP) which offer quality control gates and data lineage tracking.

As featured in:



See Fuzhan Rahmanian, Helge Sören Stein *et al.*, *Digital Discovery*, 2024, **3**, 883.